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DEPARTMENT OF COMMERCE AND LABOR

BUREAU OF THE CENSUS

S. N. D. NORTH, DIRECTOR

SPECIAL REPORTS

THE BLIND AND THE DEAF

1900

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LETTER OF TRANSMITTAL.

DEPARTMENT OF COMMERCE AND LABOR,
BUREAU OF THE CENSUS,
Washington, D. C., June 15, 1906

SIR:

I have the honor to transmit the Special Report relating to the Blind and the Deaf, in 1900, compiled in accordance with section 7 of the act of Congress of March 6, 1902.

The preliminary data for this report were collected by the enumerators of the Twelfth Census, who reported the name, age, sex, and post office address of each person alleged to be blind or deaf, as a basis for a more complete return to be secured by correspondence with the individuals.

The inquiry was initiated and the correspondence conducted under the direction of Dr. Alexander Graham Bell, who determined the scope of the investigation and specified the tabulations to be made from the data secured. He also prepared the text relating to the deaf. In arranging the classification of the causes of blindness, Doctor Bell was assisted by the late Dr. Swan M. Burnett, who kindly revised the comments relating to this part of the work. The compilation of the statistical tables was performed in the division of vital statistics under the supervision of the late William A. King, chief statistician for vital statistics.

The returns collected in connection with this inquiry have not only served as the statistical basis for this report, but have been utilized to the more immediate advantage of the blind and deaf by preparing, upon request, lists of addresses and personal data for schools, libraries, and other institutions established for the benefit of these classes. Over 203 lists aggregating 42,084 names of blind persons and 29,544 of deaf have been supplied by the Bureau of the Census, and it is believed that this use of the data will contribute more directly to the personal benefit of the blind and deaf than any other that could be made.

Very respectfully,

S. N. D. North

Director.

Hon. VICTOR H. METCALF,
Secretary of Commerce and Labor.

THE BLIND

THE BLIND.

INTRODUCTION.

This report relates to the blind on June 1, 1900. Before discussing the results of the inquiry, the method pursued in the collection of the data should be explained. Heretofore census statistics of this class have been based upon the complete return, by the regular census enumerators, of all the details concerning each individual enumerated, upon special schedules designed for that purpose, and there has been no means of determining the thoroughness of their canvass or the accuracy of the returns made by them.

At the Twelfth Census, however, a change was made in the plan for securing the returns, and the work of the enumerators was restricted to a brief preliminary return showing only the name, sex, age, post office address, and nature of the existing defects in all persons alleged to be blind or deaf. The form of schedule furnished the enumerators for this purpose, including the instructions and explanations defining the defects mentioned, is as follows:

TWELFTH CENSUS OF THE UNITED STATES.

SPECIAL SCHEDULE.

Persons defective in sight, hearing, or speech.

State..... *Supervisor's District No*.....
County..... *Enumeration District No*.....
Township or other division of county.....
Name of incorporated city, town, or village within the above-named division. }.....
....., *Enumerator.*

INSTRUCTIONS.

The object of this special schedule is to obtain the name, sex, age, and post office address of all persons who are either blind or deaf (including those who are deaf and dumb).

After completing the enumeration of all the members of a family on Schedule No. 1 (Form 7-224), you will ask whether all the persons just enumerated have good sight and good hearing—that is, can see well and hear well. For all such persons no further inquiry need be made; but if you find that some member of the family can not see well, you will then ask whether he or she can see well enough to read a book; and should it appear that the sight is so seriously impaired that it is impossible for the person to read a book, even with the aid of glasses, then you will note such person as "Blind," even though, as a matter of fact, he or she may have some slight power of sight.

In the same way, if you find that some member of the family can not hear well, you will then ask whether he or she can hear well enough to understand loud conversation; and should it appear that the hearing is so seriously impaired that the person can not be made to understand what people say, even when they shout, you will note such person as "Deaf," even though, as a matter of fact, he or she may have some slight power of hearing. You will then ask further whether this deaf person can speak; and should it appear that the person can not speak so as to be understood, you will note such persons as "Deaf" and "Dumb," even though, as a matter of fact, he or she may have some slight power of speech.

Only those dumb persons who are *deaf as well as dumb* are to be noted; so that if you should come across dumb persons *who are not deaf*, they should not be included nor should the "semi-blind" and those blind only in one eye be reported on this schedule.

For each person reported on this special schedule as blind or deaf you will write on the population schedule (Form 7-224), on the right-hand margin opposite the name of any person defective as above, the letter "B" if the person is blind; the letter "D" if the person is deaf; and the letters "DD" if the person is deaf and dumb. If a person is blind and also deaf, use the letters "BD"; if blind and also deaf and dumb, use the letters "BDD." You will then make the entries called for on this special schedule, in columns 1 to 9, according to the following instructions:

In columns 1 and 2 enter the number of the sheet and of the line of the population schedule (Form 7-224) on which the defective person is enumerated, and then copy in columns 3, 4, and 5 the name, sex, and age of the person as originally entered on that schedule.

In column 6 enter the post office address of the person reported as defective; or if the person is a minor, or unable, through disability, to respond to communications by mail, obtain and enter in this column the name and post office address of his or her parent, guardian, or nearest friend, using the two spaces as subdivided by the dotted line. The intent of this inquiry is to secure the name and address of the proper person from whom further information can be obtained by correspondence concerning the blind and deaf persons enumerated.

In columns 7, 8, and 9 note the nature of the disability as follows:

If the person is defective in sight but can hear and speak, write "Blind" in column 7 and "No" in columns 8 and 9.

If the person is defective in sight and hearing, but can speak, write "Blind" in column 7, "Deaf" in column 8, and "No" in column 9.

If the person is defective in sight, hearing, and speech, write "Blind" in column 7, "Deaf" in column 8, and "Dumb" in column 9.

If the person is defective in hearing, but can see and speak, write "No" in column 7, "Deaf" in column 8, and "No" in column 9.

If the person is defective in both hearing and speech, but can see, write "No" in column 7, "Deaf" in column 8, and "Dumb" in column 9.

	FROM SCHEDULE NO. 1. [Population.]		NAME.	DESCRIPTION.		POST OFFICE ADDRESS.	NATURE OF DISABILITY.			
	Sheet No.	Line No.	Enter surname first, then the given name and middle initial, if any.	Sex.	Age at last birthday.	If the person is a minor or unable, through	Defect in sight.	Defect in hearing.	Defect in speech.	
	1	2	3	4	5	6	7	8	9	
1										1
2										2
3										3

These returns supplied the primary information and located the persons alleged to be blind or partially blind, leaving the details to be secured by correspondence with the individuals or their guardians or friends through the medium of a personal schedule of the following form:

TWELFTH CENSUS OF THE UNITED STATES.

PERSONAL SCHEDULE.

State.....
S. D..... *E. D*.....

The blind.

DEPARTMENT OF THE INTERIOR, CENSUS OFFICE,
Washington, D. C., October 1, 1900.

Dr. Alexander Graham Bell, of Washington, D. C., has been appointed Expert Special Agent of the Census Office, for the preparation of the report on the Deaf and the Blind, authorized and required by an "Act relating to the Twelfth and subsequent censuses," approved February 1, 1900, and he is empowered to conduct in his own name the correspondence relating to this branch of the census inquiry.

All communications and replies to questions asked by him will be held and regarded as strictly confidential, and no use will be made of them which can directly or indirectly injure the persons to whom they relate.

WILLIAM R. MERRIAM,
Director of the Census.

In the return made by a United States census enumerator for the state named above occurs the following entry:
Name of person reported.....
Post office address.....
This person is said by the enumerator to be.....
Sex.....; age.....

In order to verify the truth of this return, and also to obtain certain additional information regarding the case reported, the person to whom this circular is addressed (*or some other person acting for him or her*) is respectfully requested to write in the blank spaces below answers to the following printed questions.

The circular, when so filled, should be forwarded to the Census Office, at Washington, in the inclosed envelope addressed to Doctor Bell, *which requires no postage stamp*, but will be transmitted through the mails *free of charge*. An *immediate* reply is earnestly desired.

(1) Is the person named above blind?..... (Write "Yes" or "No," as the case may be.)

(2) Is the blindness total or partial?..... Is he (or she) blind in one eye or in both?..... Can he see to read?..... Can he recognize persons or objects by the eye?..... Can he go about the neighborhood without a guide? .....Does he wear glasses?..... If so, of what description?.....
.....

(3) Was he born blind?..... If not, at what age did blindness occur? (State the age exactly, if known; if not, state it as nearly as you can.).....

(4) What is the supposed cause of blindness.....

(5) Has he attended, or does he now attend, school?..... If yes, where? (If in a special school for the blind, name it; if not, write "common school," "private school," "high school," "academy," "college," or "privately instructed at home.").....

(6) Were his (or her) parents first cousins?..... If not first cousins, were they otherwise related by blood to each other, before their marriage?.....

(7) Were any of his relatives blind? (Write "Yes" or "No.").....If yes, what relatives? (Father, mother, grandparents, brothers, sisters, uncles, aunts, and how many of each, so far as known.).....

(8) What occupation does he follow for a livelihood, if any?.....

ALEXANDER GRAHAM BELL,
Expert Special Agent.

CERTIFICATE.

I hereby certify that the answers given to the foregoing questions are true, to the best of my knowledge and belief.

☞ *Sign here.* Name of informant.....
Post office address.....
Street and number.....

Additional remarks, if any.

It is from the data contained in the personal schedules returned to the Office that the appended tables have been compiled.

The enumerators reported a total of 101,123 persons alleged to be blind as defined in the instructions contained in the schedules, but this number was greatly reduced as a result of the correspondence directly with the individuals, 8,842 reporting that the alleged defect did not exist, and 6,544 that they were blind only in one eye but were able to see with the other, and hence did not come within the scope of the inquiry. No replies were received in 19,884 cases in which personal schedules were sent, although repeated inquiries were made; consequently these cases were dropped. In 380 cases the personal schedules returned were too incomplete for use, and in 75 cases duplication was discovered. The number eliminated for the reasons specified was 35,725.

It was also found that the defects alleged by the enumerators did not, in many cases, agree with those disclosed by the personal schedules. In 561 cases reported by the enumerators simply as deaf or deaf and dumb, blindness also was shown to exist, and in 1,196 cases in which blindness was alleged by the enumerators there was no defect of vision disclosed by the personal schedules.

The result of the correspondence with the persons alleged by the enumerators in their preliminary return to be blind, as set forth above, indicates that the accuracy of statistics of this class based upon the enumerators' returns are likely to be seriously defective, and that the personal particulars obtained by direct correspondence with the individuals are much more reliable. It also indicates that any comparisons with the published statistics of 1890 would be misleading.

Much of the detailed information furnished in the personal schedules is necessarily indefinite, particularly that relating to the causes of blindness, which, being stated in the language of the individuals, who are in many cases ignorant of the facts or are illiterate, does not permit a thoroughly scientific classification of the causes of blindness.

The number of cases remaining for statistical treatment, after making the eliminations and corrections described, was 64,763, representing 35,645 totally blind and 29,118 partially blind. This number, however, can be considered only as the minimum, as an unknown proportion of the blind were not located by the enumerators, and doubtless a considerable proportion of the 19,884 persons who failed to return the personal schedules should be included in the total. The number of partially blind by no means represents the facts as to defective eyesight among people, but so far as the returns cover the field they represent *verified* cases, and possess a greater authenticity than any heretofore secured.

Notwithstanding the probable deficiencies in the ·rns the figures furnish a basis for determining, with ir accuracy, the seat of the cause of blindness and the lative frequency of different diseases of the eye proıcing loss or impairment of vision.

SUMMARY OF RESULTS.

The principal facts concerning the blind set forth in e general tables are those relating to sex, color, genal nativity, marital condition, present age and age at ıich blindness occurred, causes of blindness, and ocpations. Consanguinity of parents, the number of e blind having blind relatives, and the educational vantages as indicated by school attendance are also own.

The general relation of these data to the blind, disıguished as totally and partially blind, is shown iefly in the following tables and comments:

Sex.—Of the 64,763 blind reported, 37,054, or 57.2 r cent, are males, and 27,709, or 42.8 per cent, are males, the number per 100,000 of corresponding ›pulation being: Total, 85.2; male, 95.5; female, .5. The numbers, percentages, and ratios to populaın are shown in relation to sex and degree of blindıss in Table I.

Regarding the degree of blindness, it is shown that ,645, or 55 per cent, of the blind are totally blind, ıd 29,118, or 45 per cent, are partially blind. Of the tally blind, 56.5 per cent are males and of the partially blind, 58.1 per cent. To state these facts in another way, blind males show a smaller proportion of their number totally blind than do blind females, the respective percentages being 54.4 and 55.9. The number of totally blind per 100,000 of total population is 46.9; in the male population, 51.9; and in the female population, 41.7. The corresponding numbers per 100,000 for the partially blind are 38.3, 43.6, and 32.8, respectively. These figures indicate that blindness, both total and partial, is more common among males than females.

TABLE I.—*The blind, by degree of blindness and sex.*

SEX.	The blind.	The totally blind.	The partially blind.
Number:			
Total	64,763	35,645	29,118
Male	37,054	20,144	16,910
Female	27,709	15,501	12,208
Per cent distribution:			
Total	100.0	100.0	100.0
Male	57.2	56.5	58.1
Female	42.8	43.5	41.9
Number per 100,000 population of same sex:			
Both sexes	85.2	46.9	38.3
Male	95.5	51.9	43.6
Female	74.5	41.7	32.8

States and territories.—The distribution, by degree of blindness, of the blind and the number of each class per 100,000 of the population are shown for states and territories in Table II.

TABLE II.—THE BLIND, BY DEGREE OF BLINDNESS, FOR STATES AND TERRITORIES.

STATE OR TERRITORY.	The blind.	The totally blind.	The partially blind.	PER CENT.		NUMBER PER 100,000 OF POPULATION.		
				The totally blind.	The partially blind.	The blind.	The totally blind.	The partially blind.
ntinental United States	64,763	35,645	29,118	55.0	45.0	85.2	46.9	38.3
Vorth Atlantic division	15,777	9,257	6,520	58.7	41.3	75.0	44.0	31.0
New England	4,846	2,789	2,057	57.6	42.4	86.7	49.9	36.8
[illegible]	724	386	338	53.3	46.7	104.3	55.6	48.7
[illegible]	417	262	155	62.8	37.2	101.3	63.6	37.7
[illegible]	456	247	209	54.2	45.8	132.7	71.9	60.8
[illegible]	2,217	1,260	957	56.8	43.2	79.0	44.9	34.1
[illegible]	285	182	103	63.9	36.1	66.5	42.5	24.0
[illegible]	747	452	295	60.5	39.5	82.2	49.7	32.5
Southern North Atlantic	10,931	6,468	4,463	59.2	40.8	70.7	41.8	28.9
New York	5,486	3,287	2,199	59.9	40.1	75.5	45.2	30.3
New Jersey	1,004	612	392	61.0	39.0	53.3	32.5	20.8
Pennsylvania	4,441	2,569	1,872	57.8	42.2	70.5	40.8	29.7
South Atlantic division	9,159	5,074	4,085	55.4	44.6	87.7	48.6	39.1
Northern South Atlantic	3,841	2,104	1,737	54.8	45.2	86.0	47.1	38.9
Delaware	142	76	66	53.5	46.5	76.8	41.1	35.7
Maryland	983	560	423	57.0	43.0	82.7	47.1	35.6
District of Columbia	202	129	73	63.9	36.1	72.5	46.3	26.2
Virginia	1,589	886	703	55.8	44.2	85.7	47.8	37.9
West Virginia	925	453	472	49.0	51.0	96.5	47.3	49.2
Southern South Atlantic	5,318	2,970	2,348	55.8	44.2	88.9	49.7	39.2
North Carolina	1,788	992	796	55.5	44.5	94.4	52.4	42.0
South Carolina	1,102	617	485	56.0	44.0	82.2	46.0	36.2
Georgia	2,034	1,138	896	55.9	44.1	91.8	51.4	40.4
Florida	394	223	171	56.6	43.4	74.5	42.2	32.3

TABLE II.—THE BLIND, BY DEGREE OF BLINDNESS, FOR STATES AND TERRITORIES—Continued.

STATE OR TERRITORY.	The blind.	The totally blind.	The partially blind.	PER CENT.		NUMBER PER 1 POPULAT	
				The totally blind.	The partially blind.	The blind.	The totall blind
North Central division	23,380	12,360	11,020	52.9	47.1	88.8	46.
Eastern North Central	14,666	7,819	6,847	53.3	46.7	91.7	48.
Ohio	4,466	2,452	2,014	54.9	45.1	107.4	59.
Indiana	2,987	1,511	1,476	50.6	49.4	118.7	60.
Illinois	3,767	1,990	1,777	52.8	47.2	78.1	41.
Michigan	1,946	1,049	897	53.9	46.1	80.4	43.
Wisconsin	1,500	817	683	54.5	45.5	72.5	39.
Western North Central	8,714	4,541	4,173	52.1	47.9	84.2	43.
Minnesota	887	526	361	59.3	40.7	50.6	30.
Iowa	2,014	1,017	997	50.5	49.5	90.2	45.
Missouri	3,325	1,678	1,647	50.5	49.5	107.0	54.
North Dakota	168	94	74	56.0	44.0	52.6	29.
South Dakota	280	161	119	57.5	42.5	69.7	40.
Nebraska	640	361	279	56.4	43.6	60.0	33.
Kansas	1,400	704	696	50.3	49.7	95.2	47.
South Central division	13,485	7,134	6,351	52.9	47.1	95.8	50.
Eastern South Central	8,221	4,256	3,965	51.8	48.2	108.9	56.
Kentucky	2,780	1,353	1,427	48.7	51.3	129.4	63.
Tennessee	2,400	1,170	1,230	48.8	51.2	118.8	57.
Alabama	1,791	1,055	736	58.9	41.1	97.9	57.
Mississippi	1,250	678	572	54.2	45.8	80.6	43.7
Western South Central	5,264	2,878	2,386	54.7	45.3	80.6	44.1
Louisiana	1,071	689	382	64.3	35.7	77.5	49.9
Arkansas	1,587	762	825	48.0	52.0	121.0	58.1
Indian Territory	261	134	127	51.3	48.7	66.6	34.2
Oklahoma	250	117	133	46.8	53.2	62.8	29.4
Texas	2,095	1,176	919	56.1	43.9	68.7	38.6
Western division	2,962	1,820	1,142	61.4	38.6	72.4	44.5
Rocky Mountain	975	650	325	66.7	33.3	79.1	52.7
Montana	99	69	30	69.7	30.3	40.7	28.4
Idaho	111	68	43	61.3	38.7	68.6	42.0
Wyoming	20	13	7	65.0	35.0	21.6	14.0
Colorado	295	190	105	64.4	35.6	54.7	35.2
New Mexico	450	310	140	68.9	31.1	230.4	158.7
Basin and Plateau	332	206	126	62.0	38.0	75.1	46.6
Arizona	69	44	25	63.8	36.2	56.1	35.8
Utah	207	118	89	57.0	43.0	74.8	42.6
Nevada	56	44	12	78.6	21.4	132.3	103.9
Pacific	1,655	964	691	58.2	41.8	68.5	39.9
Washington	210	117	93	55.7	44.3	40.5	22.6
Oregon	249	150	99	60.2	39.8	60.2	36.3
California	1,196	697	499	58.3	41.7	80.5	46.9

Color.—The number of white persons returned as blind is 56,535, of which 30,359 are totally blind and 26,176 are partially blind. The number of colored blind is 8,228. This includes 7,646 negroes, 568 Indians, and 14 Chinese or Japanese, which, in the tables, are grouped under the caption "colored." Of the 8,228 colored, 5,286 are totally blind and 2,942 partially blind. The numbers, with the percentages of each class, and the number per 100,000 of corresponding population are shown in Table III.

The figures in the following table show that of the blind whites, 53.7 per cent are totally blind and 46.3 per cent are partially blind. Of the colored blind, the per cent totally blind is much greater, being 64.2; while the per cent partially blind is correspondingly less (35.8). The number of blind per 100,000 is greater in the colored population (89.6) than in the white (84.6). The number of totally blind per 100,000 is also greater among the colored than amo whites, but the number of partially blind per is smaller.

TABLE III.—*The blind, by degree of blindness and colo*

COLOR.	The blind.	The totally blind.
Number:		
White	56,535	30,359
Colored	8,228	5,286
Per cent distribution by degree of blindness:		
White	100.0	53.7
Colored	100.0	64.2
Number per 100,000 population of same color:		
White	84.6	45.4
Colored	89.6	57.6

Table IV shows the number of white and c blind, by degree of blindness, in each state anc tory, with the number per 100,000 of corresp population.

TABLE IV.—THE BLIND, BY DEGREE OF BLINDNESS AND COLOR, FOR STATES AND TERRITORIES.

STATE OR TERRITORY.	WHITE.						COLORED.					
	Number.			Per 100,000 of population.			Number.			Per 100,000 of population.		
	The blind.	The totally blind.	The partially blind.	The blind.	The totally blind.	The partially blind.	The blind.	The totally blind.	The partially blind.	The blind.	The totally blind.	The partially blind.
ntinental United States	56,535	30,359	26,176	84.6	45.4	39.2	8,228	5,286	2,942	89.6	57.6	32.0
orth Atlantic division	15,461	9,039	6,422	74.9	43.8	31.1	316	218	98	77.3	53.3	24.0
New England	4,793	2,750	2,043	86.7	49.7	37.0	53	39	14	81.5	60.0	21.5
Maine	724	386	338	104.6	55.8	48.8	.....	.....	.....	.....	.....	.....
New Hampshire	417	262	155	101.5	63.8	37.7	.....	.....	.....	.....	.....	.....
Vermont	454	246	208	132.4	71.7	60.7	2	1	1	229.9	115.0	114.9
Massachusetts	2,186	1,236	950	78.9	44.6	34.3	31	24	7	87.1	67.4	19.7
Rhode Island	275	174	101	65.6	41.5	24.1	10	8	2	105.2	84.2	21.0
Connecticut	737	446	291	82.6	50.0	32.6	10	6	4	62.5	37.5	25.0
Southern North Atlantic	10,668	6,289	4,379	70.6	41.6	29.0	263	179	84	76.5	52.1	24.4
New York	5,398	3,220	2,178	75.4	45.0	30.4	88	67	21	78.6	59.8	18.8
New Jersey	936	571	365	51.6	31.5	20.1	68	41	27	95.3	57.5	37.8
Pennsylvania	4,334	2,498	1,836	70.6	40.7	29.9	107	71	36	66.7	44.3	22.4
outh Atlantic division	6,015	3,105	2,910	89.7	46.3	43.4	3,144	1,969	1,175	84.1	52.7	31.4
Northern South Atlantic	2,896	1,495	1,401	85.0	43.9	41.1	945	609	336	89.3	57.5	31.8
Delaware	123	63	60	79.9	40.9	39.0	19	13	6	61.8	42.3	19.5
Maryland	742	412	330	77.9	43.3	34.6	241	148	93	102.3	62.8	39.5
District of Columbia	123	72	51	64.2	37.6	26.6	79	57	22	90.6	65.4	25.2
Virginia	1,018	520	498	85.3	43.6	41.7	571	366	205	86.3	55.3	31.0
West Virginia	890	428	462	97.2	46.7	50.5	35	25	10	80.3	57.4	22.9
Southern South Atlantic	3,119	1,610	1,509	94.5	48.8	45.7	2,199	1,360	839	82.1	50.8	31.3
North Carolina	1,253	658	595	99.2	52.1	47.1	535	334	201	84.9	53.0	31.9
South Carolina	491	262	229	88.0	47.0	41.0	611	355	256	78.1	45.4	32.7
Georgia	1,161	598	563	98.3	50.6	47.7	873	540	333	84.3	52.1	32.2
Florida	214	92	122	71.9	30.9	41.0	180	131	49	77.9	56.7	21.2
orth Central division	22,658	11,882	10,776	87.9	46.1	41.8	722	478	244	129.6	85.8	43.8
Eastern North Central	14,364	7,614	6,750	91.4	48.4	43.0	302	205	97	109.6	74.4	35.2
Ohio	4,321	2,348	1,973	106.4	57.8	48.6	145	104	41	148.9	106.8	42.1
Indiana	2,934	1,474	1,460	119.3	59.9	59.4	53	37	16	91.4	63.8	27.6
Illinois	3,717	1,962	1,755	78.5	41.4	37.1	50	28	22	57.7	32.3	25.4
Michigan	1,911	1,024	887	79.7	42.7	37.0	35	25	10	156.1	111.5	44.6
Wisconsin	1,481	806	675	72.0	39.2	32.8	19	11	8	170.7	98.8	71.9
Western North Central	8,294	4,268	4,026	82.4	42.4	40.0	420	273	147	149.1	96.9	52.2
Minnesota	866	509	357	49.9	29.3	20.6	21	17	4	146.3	118.4	27.9
Iowa	1,998	1,008	990	90.0	45.4	44.6	16	9	7	121.3	68.2	53.1
Missouri	3,132	1,537	1,595	106.4	52.2	54.2	193	141	52	119.2	87.1	32.1
North Dakota	129	76	53	41.4	24.4	17.0	39	18	21	524.6	242.1	282.5
South Dakota	199	114	85	52.3	30.0	22.3	81	47	34	388.4	225.4	163.0
Nebraska	626	350	276	59.2	33.1	26.1	14	11	3	143.2	112.5	30.7
Kansas	1,344	674	670	94.9	47.6	47.3	56	30	26	103.4	55.4	48.0
outh Central division	9,778	4,771	5,007	99.6	48.6	51.0	3,707	2,363	1,344	86.9	55.4	31.5
Eastern South Central	5,911	2,815	3,096	117.2	55.8	61.4	2,310	1,441	869	92.3	57.6	34.7
Kentucky	2,400	1,114	1,286	128.9	59.8	69.1	380	239	141	133.4	83.9	49.5
Tennessee	1,900	861	1,039	123.4	55.9	67.5	500	309	191	104.1	64.3	39.8
Alabama	1,039	544	495	103.8	54.3	49.5	752	511	241	90.9	61.8	29.1
Mississippi	572	296	276	89.2	46.2	43.0	678	382	296	74.5	42.0	32.5
Western South Central	3,867	1,956	1,911	81.1	41.0	40.1	1,397	922	475	79.3	52.3	27.0
Louisiana	520	318	202	71.3	43.6	27.7	551	371	180	84.5	56.9	27.6
Arkansas	1,271	556	715	134.6	58.9	75.7	316	206	110	86.1	56.1	30.0
Indian Territory	176	83	93	58.1	27.4	30.7	85	51	34	95.1	57.1	38.0
Oklahoma	217	96	121	59.0	26.1	32.9	33	21	12	107.1	68.2	38.9
Texas	1,683	903	780	69.3	37.2	32.1	412	273	139	66.2	43.9	22.3
estern division	2,623	1,562	1,061	67.7	40.3	27.4	339	258	81	155.6	118.4	37.2
Rocky Mountain	853	568	285	72.3	48.2	24.1	122	82	40	227.8	153.1	74.7
Montana	72	47	25	31.8	20.8	11.0	27	22	5	158.4	129.1	29.3
Idaho	68	47	21	44.0	30.4	13.6	43	21	22	590.9	288.6	302.3
Wyoming	16	9	7	18.0	10.1	7.9	4	4	.....	114.9	114.9	.....
Colorado	291	187	104	55.0	35.3	19.7	4	3	1	37.5	28.1	9.4
New Mexico	406	278	128	225.3	154.3	71.0	44	32	12	291.3	211.9	79.4
Basin and Plateau	258	148	110	64.4	36.9	27.5	74	58	16	179.4	140.6	38.8
Arizona	39	24	15	42.0	25.8	16.2	30	20	10	99.9	66.6	33.3
Utah	200	114	86	73.4	41.8	31.6	7	4	3	163.4	93.4	70.0
Nevada	19	10	9	53.7	28.3	25.4	37	34	3	533.9	490.6	43.3
Pacific	1,512	846	666	65.9	36.9	29.0	143	118	25	116.2	95.9	20.3
Washington	189	98	91	38.0	19.7	18.3	21	19	2	96.3	87.1	9.2
Oregon	203	114	89	51.4	28.9	22.5	46	36	10	242.7	189.9	52.8
California	1,120	634	486	79.8	45.2	34.6	76	63	13	92.3	76.5	15.8

The relation of color to blindness is shown in the following general tables:

Table 1 gives details of color, nativity, and age.

Table 3 gives details of color, nativity, age, sex, and age when blindness occurred.

Table 8 gives details of color, nativity, cause of blindness, and sex.

Table 12 gives details of color, school attendance, sex, and age.

Table 13 gives details of color, school attendance, and age when blindness occurred.

Table 15 gives details of color, age, sex, and occupations.

Nativity of the blind whites.—Of the 56,535 blind whites, 45,479 are native born and 10,694 are of foreign birth. The number and per cent of each class, by degree of blindness, and the number per 100,000 of corresponding class of population, are shown in Table V.

TABLE V.—*The blind whites, by degree of blindness and nativity.*

NATIVITY.	The blind.	The totally blind.	The partially blind.
Number:			
Native white	45,479	23,636	21,843
Foreign born white	10,694	6,511	4,183
[illegible]	362	212	150
Per [illegible] of blindness:			
[illegible]	100.0	52.0	48.0
Foreign born white	100.0	60.9	39.1
Number per 100,000 population of same nativity:			
Native white	80.4	41.8	38.6
Foreign born white	104.7	63.7	41.0

From these figures it appears that a smaller proportion of the blind are totally blind among native whites (52 per cent) than among foreign born whites (60.9 per cent).

The number of blind per 100,000 of population is considerably greater among the foreign born white population than among the native white (foreign born whites, 104.7; native whites, 80.4). The difference is more marked for the totally blind (foreign born whites, 63.7; native whites, 41.8) than it is for the partially blind (foreign born whites, 41; native whites, 38.6).

The greater proportion of blindness among the foreign born whites, as compared with the native whites, is due to the difference in the age distribution of the two classes, 46.5 per cent of the foreign born white population being over 40 years of age, while 49.5 per cent of the native white population is under 20 years of age. The differences in the proportions for the native and the foreign born whites are further explained in the discussions under "ages of the blind" and "age at which blindness occurred."

The relation of nativity to blindness is shown in the following general tables:

Table 1 gives details of nativity, color, and age.

Table 3 gives details of nativity, color, age, sex, and age when blindness occurred.

Table 8 gives details of nativity, color, cau blindness, and sex.

Age.—Blindness, either *total* or *partial*, is so l a defect of the aged, and occurs with so much g frequency as the age advances and the popu diminishes, that in any comparison of the prop of the blind in the general population of dif classes, such as native and foreign born whit white and colored, the age distribution of the p tion of each class should be constantly bor mind. The differences in this respect accou many of the differences in the gross ratios, and only when ratios are compared for classes of p tion of identical ages that their relative liabili blindness can properly be inferred.

The proportion of the general population o stated classes of each age, per 100,000 of all a shown in Table VI.

TABLE VI.—*Proportion of the general population of each speci per 100,000 of all ages.*

AGE PERIOD.	POPULATION PER 100 ALL AGES. White. Native.	Foreign born.
All ages	100,000	100,000
Under 20 years	49,453	10,504
20 years and over	50,335	89,252
Age unknown	212	244
Under 20 years	49,453	10,504
20 to 39 years	30,382	42,765
40 to 59 years	14,772	31,846
60 to 79 years	4,779	13,678
80 to 99 years	401	959
Under 10 years	27,138	1,954
10 to 19 years	22,315	8,550
20 to 29 years	17,813	19,745
30 to 39 years	12,569	23,020
40 to 49 years	9,102	17,685
50 to 59 years	5,670	14,161
60 to 69 years	3,287	9,358
70 to 79 years	1,492	4,320
80 to 89 years	374	893
90 to 99 years	27	66
100 years and over	1	4

The figures given in Table VI show that the p tions of the native white and the colored popu comprised in the *specified* age groups are very s while the proportions of foreign born whites a above 20 years greatly exceed those of the n whites; the proportion of foreign born whites be 60 and 80 years of age—the period in which blin most frequently occurs—being nearly three time of the native whites (foreign born whites, 13,67 100 000; native whites, 4,779 per 100,000).

Table VII shows the classification, by degree of b ness, of the blind under 20 years of age, 20 years and over, and of unknown age, with respect to and nativity, with the number at the specified per 100,000 of population in the same age group

TABLE VII.—*The blind, by degree of blindness, age periods, color, and nativity.*

DEGREE OF BLINDNESS AND AGE PERIOD.	All classes.	WHITE.			Colored.
		Total.	Native.	Foreign born.	
Number:					
The blind	64,763	56,535	45,479	10,694	8,228
Under 20 years	8,308	7,252	6,937	231	1,056
20 years and over	56,165	49,067	38,388	10,420	7,098
Age unknown	290	216	154	43	74
The totally blind	35,645	30,359	23,636	6,511	5,286
Under 20 years	4,123	3,543	3,377	129	580
20 years and over	31,363	26,704	20,179	6,363	4,659
Age unknown	159	112	80	19	47
The partially blind	29,118	26,176	21,843	4,183	2,942
Under 20 years	4,185	3,709	3,560	102	476
20 years and over	24,802	22,363	18,209	4,057	2,439
Age unknown	131	104	74	24	27
Number per 100,000 population of same age:					
The blind	85.2	84.6	80.4	104.7	89.6
Under 20 years	24.7	25.0	24.8	21.5	22.9
20 years and over	133.4	130.5	134.8	114.3	157.4
The totally blind	46.9	45.4	41.8	63.7	57.6
Under 20 years	12.3	12.2	12.1	12.0	12.6
20 years and over	74.5	71.0	70.8	69.8	103.3
The partially blind	38.3	39.2	38.6	41.0	32.0
Under 20 years	12.4	12.8	12.7	9.5	10.3
20 years and over	58.9	59.5	63.9	44.5	54.1

It will be seen from Table VII that among the blind under 20 years of age the number of totally blind is practically the same as the number of partially blind—4,123 and 4,185 being the respective numbers. But among the blind 20 years of age and over the totally blind are much more numerous, the number of totally blind being 31,363 and of partially blind, 24,802.

It will also be seen from the preceding table that the number of totally blind under 20 years of age per 100,000 population of corresponding age is practically the same for native whites, foreign born whites, and colored, the numbers being, respectively, 12.1, 12, and 12.6. In the group 20 years of age and over the number totally blind per 100,000 of population is about the same for the native whites (70.8) and the foreign born whites (69.8), but is considerably greater for the colored (103.3) than for either class of whites.

The number of partially blind per 100,000 of population in the age group under 20 years is greatest for the native whites (12.7), least for the foreign born whites (9.5), and intermediate for the colored (10.3). About the same relative difference occurs in the proportions for the group 20 years of age and over (native whites, 63.9; foreign born whites, 44.5; colored, 54.1).

Table VIII shows the number of the blind, by present age and degree of blindness, and the number at each age per 100,000 of corresponding age.

TABLE VIII.—*The blind, by degree of blindness and age periods.*

AGE PERIOD.	The blind.	The totally blind.	The partially blind.
Number:			
All ages	64,763	35,645	29,118
Under 10 years	2,307	1,262	1,045
10 to 19 years	6,001	2,861	3,140
20 to 29 years	4,861	2,851	2,010
30 to 39 years	5,024	3,077	1,947
40 to 49 years	6,504	3,778	2,726
50 to 59 years	8,530	4,791	3,739
60 to 69 years	10,507	5,835	4,672
70 to 79 years	11,421	6,132	5,289
80 to 89 years	7,490	3,885	3,605
90 to 99 years	1,596	851	745
100 years and over	232	163	69
Age unknown	290	159	131
Number per 100,000 population of same age:			
All ages	85.2	46.9	38.3
Under 10 years	12.8	7.0	5.8
10 to 19 years	38.4	18.3	20.1
20 to 29 years	35.1	20.6	14.5
30 to 39 years	47.8	29.3	18.5
40 to 49 years	84.5	49.1	35.4
50 to 59 years	165.5	93.0	72.5
60 to 69 years	339.6	188.6	151.0
70 to 79 years	813.6	436.8	376.8
80 to 89 years	2,202.2	1,142.3	1,059.9
90 to 99 years	5,274.6	2,812.5	2,462.1
100 years and over	6,621.0	4,651.8	1,969.2
Age unknown	144.6	79.3	65.3

The proportion of the population totally or partially blind, as shown in the above table, increases steadily with advancing years. In the age group 10 to 19 years there are more persons partially blind (20.1 per 100,000) than totally blind (18.3 per 100,000), but in all other age groups the totally blind exceed the partially blind.

Table IX shows the number of blind under 20 years of age, 20 years of age and over, and of unknown age in each state and territory, with the number of each specified age per 100,000 of corresponding population.

TABLE IX.—*The blind, by age periods, for states and territories.*

STATE OR TERRITORY.	THE BLIND.					
	Number.				Per 100,000 population of same age.	
	All ages.	Under 20 years.	20 years and over.	Unknown age.	Under 20 years.	20 years and over.
Continental United States	64,763	8,308	56,165	290	24.7	133.4
North Atlantic division	15,777	1,551	14,159	67	19.0	110.2
New England	4,846	469	4,369	8	23.3	122.7
Maine	724	43	681	.....	17.1	154.4
New Hampshire	417	29	387	1	20.5	143.8
Vermont	456	19	437	.....	15.2	201.0
Massachusetts	2,217	303	1,910	4	30.1	106.7
Rhode Island	285	20	263	2	12.5	98.2
Connecticut	747	55	691	1	16.6	120.0
Southern North Atlantic	10,931	1,082	9,790	59	17.6	105.4
New York	5,486	548	4,913	25	19.9	109.0
New Jersey	1,004	81	920	3	10.9	81.0
Pennsylvania	4,441	453	3,957	31	17.2	108.4

TABLE IX.—*The blind, by age periods, for states and territories*—Cont'd.

STATE OR TERRITORY.	THE BLIND.					
	Number.				Per 100,000 population of same age.	
	All ages.	Under 20 years.	20 years and over.	Unknown age.	Under 20 years.	20 years and over.
South Atlantic division	9,159	1,522	7,582	55	29.2	145.7
Northern South Atlantic	3,841	606	3,213	22	29.3	134.9
Delaware	142	12	128	2	15.8	118.1
Maryland	983	164	814	5	31.9	121.4
District of Columbia	202	11	189	2	11.6	102.7
Virginia	1,580	239	1,341	9	26.1	143.2
West Virginia	925	180	741	4	38.1	153.4
Southern South Atlantic	5,318	916	4,369	33	29.1	154.9
North Carolina	1,788	353	1,417	18	35.4	158.7
South Carolina	1,102	167	932	3	22.9	153.1
Georgia	2,034	351	1,674	9	30.3	159.2
Florida	394	45	346	3	17.4	129.3
North Central division	23,380	2,676	20,616	88	23.3	139.3
Eastern North Central	14,666	1,705	12,900	61	25.2	140.3
Ohio	4,466	470	3,982	14	27.8	161.8
Indiana	2,987	338	2,635	14	31.6	182.9
Illinois	3,767	495	3,261	11	24.2	118.1
Michigan	1,946	208	1,735	3	20.7	122.9
Wisconsin	1,500	194	1,287	19	20.4	115.2
Western North Central	8,714	971	7,716	27	20.6	137.7
Minnesota	887	145	741	1	17.9	78.9
Iowa	2,014	177	1,836	1	17.9	148.2
Missouri	3,325	361	2,949	15	25.7	174.3
North Dakota	168	32	134	2	20.7	81.9
South Dakota	280	34	246	.....	17.4	119.5
Nebraska	640	96	539	5	19.3	95.2
Kansas	1,400	126	1,271	3	18.8	159.4
South Central division	13,485	2,187	11,230	68	30.2	165.4
Eastern South Central	8,221	1,242	6,942	37	32.4	188.0
Kentucky	2,780	464	2,299	17	44.7	208.5
Tennessee	2,400	412	1,979	9	40.8	197.3
Alabama	1,791	202	1,581	8	21.1	182.9
Mississippi	1,250	164	1,083	3	19.9	149.8
Western South Central	5,264	945	4,288	31	27.7	138.4
Louisiana	1,071	138	924	9	19.5	137.5
Arkansas	1,587	318	1,256	13	46.0	204.0
Indian Territory	261	42	218	1	19.9	122.1
Oklahoma	250	46	204	.....	23.1	103.1
Texas	2,095	401	1,686	8	25.0	117.5
Western division	2,962	372	2,578	12	23.3	104.4
Rocky Mountain	975	156	814	5	31.2	112.2
Montana	99	23	76	.....	26.0	49.5
Idaho	111	12	96	3	16.3	109.6
Wyoming	20	4	16	.....	11.1	28.5
Colorado	295	49	246	.....	23.5	75.2
New Mexico	450	68	380	2	72.8	375.4
Basin and Plateau	332	25	304	3	12.6	131.4
Arizona	69	6	62	1	11.8	87.6
Utah	207	17	188	2	11.9	141.4
Nevada	56	2	54	.....	14.0	195.4
Pacific	1,655	191	1,460	4	21.6	96.5
Washington	210	44	165	1	21.8	53.3
Oregon	249	26	222	1	20.6	77.4
California	1,196	121	1,073	2	23.4	112.1

The relation of age to blindness is shown in the following general tables:

Table 1 gives details of age, color, and nativity.

Table 2 gives details of age, and age when blindness occurred.

Table 3 gives details of age, color, nativity, sex and age when blindness occurred.

Table 12 gives details of age, color, sex, and school attendance.

Table 15 gives details of age, color, sex, and occupations.

Age when blindness occurred.—The age at which blindness occurred has a most important bearing upon the statistics showing the relation of other factors to blindness; but the nature and development of the disability in certain cases prevent an accurate statement of the age at which it occurred, and where the exact age could not be given the individuals were requested to indicate the approximate age by specifying the period of life, as infancy, childhood, youth, adult life, or old age.

This permits the subdivision of age of occurrence into two broad groups—under 20 years and 20 years and over—which have been used in all of the tables showing the age at which blindness occurred.

Table x shows, by degree of blindness, the number who became blind in the specified age periods, and the number in each age period per 1,000 blind of all ages.

TABLE X.—*The blind, by degree of blindness and age period when blindness occurred.*

AGE PERIOD WHEN BLINDNESS OCCURRED.	The blind.	The totally blind.	The partially blind.
Number:			
Under 20 years	20,704	11,500	9,204
20 years and over	41,200	22,969	18,231
Age unknown	2,859	1,176	1,683
Number at each age per 1,000 at all ages:			
Under 20 years	319.7	322.6	316.1
20 years and over	636.2	644.4	626.1

The figures in Table x include the foreign born whites, for which class the number who became blind under 20 years of age is inadequately represented, as the disability prevents their immigration; the proportions under 20 years are therefore somewhat too low, and those for 20 years and over are somewhat too high.

Table xi shows, by degree of blindness, the number who became blind at the specified ages, and the number who became blind at each age per 1,000 blind of all ages.

It will be seen from the figures that of the totally blind, 2,317, or 65 per 1,000, have been blind from birth, and that 2,084, or 58.5 per 1,000, became blind after birth but under 2 years of age. Of the partially blind, 2,413, or 82.9 per 1,000, are blind from birth, and 1,352, or 46.4 per 1,000, became blind before reaching 2 years of age. Thus the number who lost their sight, either entirely or partially, before reaching the age of 2 years, is 8,166, or 126.1 per 1,000 of the blind at all ages.

TABLE XI.—*The blind, by degree of blindness and age when blindness occurred.*

AGE WHEN BLINDNESS OCCURRED.	The blind.	The totally blind.	The partially blind.
Number:			
All ages	64,763	35,645	29,118
Ages definitely stated:			
At birth	4,730	2,317	2,413
After birth and under 2 years	3,436	2,084	1,352
2 to 4 years	2,606	1,417	1,189
5 to 9 years	3,790	2,219	1,571
10 to 14 years	2,858	1,685	1,173
15 to 19 years	2,394	1,423	971
20 to 39 years	10,970	6,104	4,866
40 to 59 years	12,491	7,154	5,337
60 to 79 years	13,793	7,821	5,972
80 years and over	3,011	1,697	1,314
Ages indefinitely stated:			
Infancy, childhood, or youth (under 20)	890	355	535
Adult life or old age (20 and over)	935	193	742
Unknown	2,859	1,176	1,683
Number at each age per 1,000 of all ages:			
All ages	1,000.0	1,000.0	1,000.0
Ages definitely stated:			
At birth	73.0	65.0	82.9
After birth and under 2 years	53.1	58.5	46.4
2 to 4 years	40.2	39.8	40.8
5 to 9 years	58.5	62.2	54.0
10 to 14 years	44.1	47.3	40.3
15 to 19 years	37.0	39.9	33.3
20 to 39 years	169.4	171.2	167.1
40 to 59 years	192.9	200.7	183.3
60 to 79 years	213.0	219.4	205.1
80 years and over	46.5	47.6	45.1
Ages indefinitely stated:			
Infancy, childhood, or youth (under 20)	13.8	10.0	18.4
Adult life or old age (20 and over)	14.4	5.4	25.5
Unknown	44.1	33.0	57.8

The proportion of congenital blind, or blind from birth, is greater among the partially blind (82.9 per 1,000) than among the totally blind (65 per 1,000); so, too, is the proportion that became blind under 5 years of age—170.1 per 1,000 of the partially blind and 163.3 per 1,000 of the totally blind. But the proportion that became blind in each age period above 5 years of age is greater among the totally blind than among the partially blind.

The relation of age or period of life when blindness occurred is shown in the following general tables:

Table 2 gives age of the blind and age when blindness occurred.

Table 3 gives present age, sex, color, and nativity of the blind and age when blindness occurred.

Table 4 gives the age when blindness occurred.

Table 5, in greater detail than Table 4, gives the age when blindness occurred.

Table 6 gives the data similar to those in Table 5, with greater detail as to age when blindness occurred.

Table 7 gives the age when blindness occurred, sex, and marital condition.

Table 10 gives the age when blindness occurred and causes of blindness.

Table 13 gives the age when blindness occurred, color, and school attendance.

Tables 14 and 16 give the age when blindness occurred and occupation.

Table 17 gives the age when blindness occurred and age when deafness occurred.

TABLE XII.—*The blind, by degree and cause of blindness.*

CAUSE OF BLINDNESS.	The blind.	The totally blind.	The partially blind.
All causes	64,763	35,645	29,118
Opacity of eye	33,930	18,384	15,546
Causes affecting the conjunctiva, cornea, and sclera	11,380	5,853	5,527
Granulated lids	1,168	357	811
Foreign particles and irritating substances in eye	274	117	157
Catarrh	531	239	292
Colds	816	499	317
Miscellaneous causes affecting the conjunctiva	308	158	150
Measles	1,451	663	788
Scarlet fever	622	451	171
Scrofula	1,165	465	700
Smallpox	468	333	135
Miscellaneous causes affecting the cornea and sclera	742	417	325
Sore, weak, or inflamed eyes	3,735	2,102	1,633
Growth or tumor on eye	11	7	4
Miscellaneous causes affecting the conjunctiva, cornea, and sclera	89	45	44
Causes affecting the iris, ciliary body, and choroid	1,307	764	543
Venereal diseases	223	151	72
Exposure to heat and cold	469	238	231
Miscellaneous causes affecting the iris, ciliary body, and choroid	615	375	240
Causes affecting the lens	11,769	5,380	6,389
Cataract	7,865	3,952	3,913
Old age	3,904	1,428	2,476
Miscellaneous causes affecting the lens	.....	.....	.....
Other causes producing opacity of eye	9,474	6,387	3,087
[illegible]	1,759	1,152	607
[illegible]	922	704	218
[illegible]	6,688	4,462	2,226
[illegible]	105	69	36
Nervous apparatus affected	7,944	4,953	2,991
Retina affected	1,729	860	869
Strain[illegible]	1,206	627	579
Errors	110	34	76
Miscell[illegible]	413	199	214
Optic nerve affected	2,097	1,524	573
Meningitis	660	533	127
Miscellaneous causes affecting the optic nerve	1,437	991	446
Brain center for sight affected	530	393	137
Congestion, or disease, of brain	468	345	123
Miscellaneous causes affecting the brain center for sight	62	48	14
Other causes affecting nerve	3,588	2,176	1,412
Miscellaneous causes affecting the perceiving mechanism of eye	3,588	2,176	1,412
Unclassified	14,885	7,947	6,938
Congenital	4,728	2,316	2,412
Military service	2,393	1,170	1,223
Fever	524	331	193
Hereditary	328	146	182
Grip	771	474	297
Mal[illegible]	191	135	56
[illegible]	1	1	.....
[illegible]	35	16	19
Accident one eye, other causes other eye, not cataract	279	164	115
Miscellaneous (different causes for each eye)	3	3	.....
Other causes unclassified	5,632	3,191	2,441
Unknown	8,004	4,361	3,643

Causes of blindness.—In classifying the causes of blindness for statistical compilation it was considered desirable, and at the same time scientific, to arrange the causes, as far as possible, according to the anatomical

divisions of the eye. For example, under "opacity of the eye" have been classed all diseases of the cornea, stated as such, and also cases attributed to granulated lids, and all other diseases of the conjunctiva indicated by such causes as measles, scarlet fever, scrofula, smallpox, and sore or inflamed eyes, since these causes do not usually impair vision except when the cornea is affected.

In the same manner, diseases of the iris, ciliary body, and choroid have been inferred as the causes of blindness in cases reported as due to venereal disease (syphilis), exposure to heat or cold, rheumatism, etc., since these diseases of the eye generally result from the causes mentioned.

Affections of the nervous apparatus, either in the eye itself or the cerebral region, have been considered the causes of blindness in cases attributed to strained eyes, errors of refraction, meningitis, and diseases of the brain.

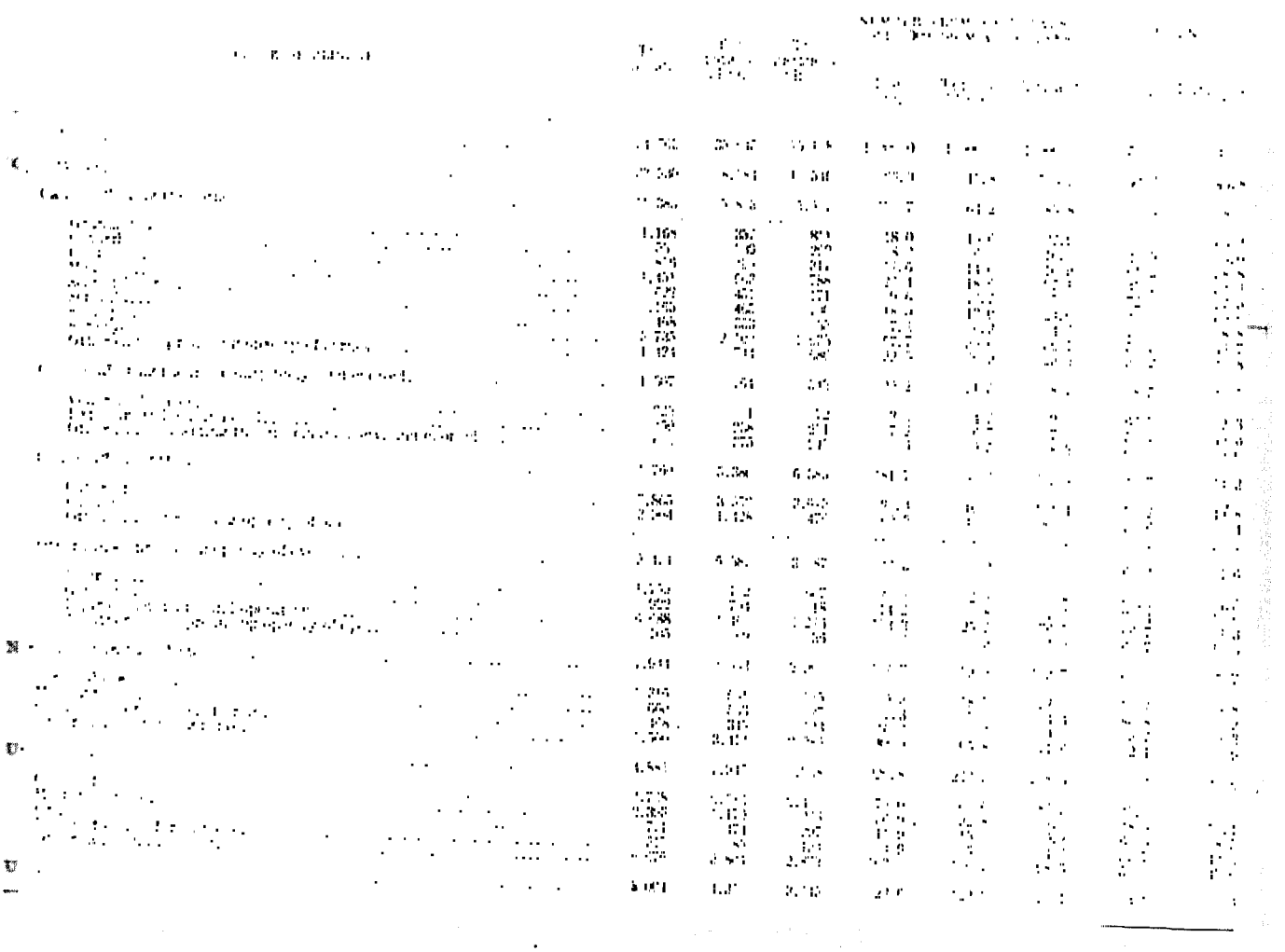
Of the 64,763 cases reported, 41,874, or about 65 per cent, became blind from the classified causes. Other causes, such as "congenital," "military service," "hereditary," "grip," "fever," "accidents," and "different cause for each eye," etc., which do not come specifically within the classes described, have been grouped as "unclassified." These number 14,885, or 23 per cent of the total.

In 8,004 cases, or about 12 per cent of the total, the cause was either reported as unknown or so indefinitely stated as to preclude classification under any other title.

Table XII gives the complete classification adopted, with the number of blind from each cause and class, by degree of blindness.

In the general tables the list of causes has been somewhat condensed, the classification being specified in Table XIII, which shows, by degree of blindness, the number blind from each cause, the number blind from each cause per 1,000 blind from all causes, and the per cent totally and partially blind from each cause.

TABLE XIII.—THE BLIND, BY DEGREE AND CAUSE OF BLINDNESS.



It will be seen from Table XIII that of the specific causes of blindness, those to which the greatest proportion of cases per 1,000 from all causes is due are: Cataract (121.4), injuries, accidents, and operations (103.3), congenital (73), old age (60.3), and sore eyes (57.7). Unknown causes are responsible for a slightly greater proportion than any of the above, namely, 123.6 per 1,000.

Considered with reference to the degree of blindness, the percentage totally blind is considerably greater than that partially blind when the defect is due to the following causes: Meningitis (80.8), glaucoma (76.4), congestion, or disease, of brain (73.7), scarlet fever (72.5), smallpox (71.2), venereal diseases (67.7), injuries, accidents, and operations (66.7), neuralgia (65.5), grip (61.5), and colds (61.2); while the percentage partially blind is greater in the cases due to granulated lids (69.4), old age (63.4), scrofula (60), catarrh (55), measles (54.3), and military service (51.1).

Table XIV shows for each color, by degree of blindness, the number blind from each cause per 1,000 blind from all causes. The figures show that the causes resulting in a greater proportion of blindness among the whites than among the colored were: Granulated lids (white, 20.1; colored, 3.8); catarrh (white, 8.5; colored, 6.2); colds (white, 13.5; colored, 6.4); measles (white, 23.8; colored, 12.9); scarlet fever (white, 10.8; colored, 1.5); smallpox (white, 7.3; colored, 6.4); cataract (white, 127.1; colored, 82.3); neuralgia (white, 27.9; colored, 22.2); glaucoma (white, 15.9; colored, 3); meningitis (white, 10.4; colored, 8.9); congestion, or disease, of brain (white, 7.7; colored, 4.1); congenital (white, 74; colored, 66.5); military service (white, 39.1; colored, 22.3); and grip (white, 12.5; colored, 7.8).

Attention is drawn to the great disparity between the white and colored in the occurrence of blindness as the result of granulated lids and glaucoma. The figures confirm the opinion, generally held by observers in America, that granulated lids, or trachoma, which is so fruitful a cause of blindness among the Irish, the Russians, the Jews, and the Italians, is almost unknown among the negroes in this country.

The causes producing a greater proportion of blindness among the colored than among the whites were: Scrofula (colored, 26.7; white, 16.7); sore eyes (colored, 61.3; white, 57.2); venereal diseases (colored, 9.6; white, 2.6); exposure to heat and cold (colored, 11.2; white, 6.7); old age (colored, 92; white, 55.7); injuries, accidents, and operations (colored, 107.7; white, 102.6); strained eyes (colored, 25.5; white, 19.5); and unknown causes (colored, 186.7; white, 114.4).

TABLE XIV.—*Number of blind from each cause per 1,000 blind from all causes, by color and degree of blindness.*

CAUSE OF BLINDNESS.	WHITE.			COLORED.		
	The blind.	The totally blind.	The partially blind.	The blind.	The totally blind.	The partially blind.
All causes	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0
Opacity of eye	530.8	523.7	539.0	476.8	470.3	488.4
Causes affecting the cornea	180.6	168.6	194.5	142.1	138.7	148.2
Granulated lids	20.1	11.2	30.4	3.8	3.0	5.1
Catarrh	8.5	7.0	10.2	6.2	4.7	8.8
Colds	13.5	15.5	11.2	6.4	5.5	8.2
Measles	23.8	20.0	28.2	12.9	10.6	17.0
Scarlet fever	10.8	14.5	6.5	1.5	1.9	0.7
Scrofula	16.7	11.2	23.1	26.7	23.7	32.3
Smallpox	7.3	9.8	4.5	6.4	7.0	5.4
Sore eyes	57.2	57.5	56.8	61.3	67.5	50.0
Other causes producing opacity of cornea	22.7	21.9	23.6	16.9	14.8	20.7
Causes affecting the iris, ciliary body, and choroid	19.3	20.3	18.0	26.6	28.0	24.1
Venereal diseases	2.6	3.1	1.9	9.6	11.0	7.1
Exposure to heat and cold	6.7	5.9	7.6	11.2	11.1	11.2
Other causes affecting the iris, ciliary body, and choroid	10.0	11.3	8.5	5.8	5.9	5.8
Causes affecting the lens	182.8	149.0	222.0	174.3	162.1	196.1
Cataract	127.1	117.1	138.8	82.3	75.3	94.8
Old age	55.7	31.9	83.2	92.0	86.8	101.3
Other causes producing opacity of lens	.....	.....	.....	.....	.....	.....
Other causes producing opacity of eye	148.1	185.8	104.5	133.8	141.5	120.0
Neuralgia	27.9	33.9	20.9	22.2	23.5	20.1
Glaucoma	15.9	22.6	8.1	3.0	3.6	2.0
Injuries, accidents, and operations	102.6	127.2	74.1	107.7	113.3	97.6
All other causes producing opacity of eye	1.7	2.1	1.4	0.9	1.1	0.3
Nervous apparatus affected	128.2	147.0	106.4	84.6	92.5	70.4
Strained eyes	19.5	17.5	21.9	25.5	24.2	27.9
Meningitis	10.4	15.4	4.6	8.9	12.3	2.7
Congestion, or disease, of brain	7.7	10.4	4.5	4.1	5.5	1.7
Other causes affecting nerve	90.6	103.7	75.4	46.1	50.5	38.1
Unclassified	226.6	218.8	235.7	251.9	247.1	260.7
Congenital	74.0	65.6	83.6	66.5	61.3	75.8
Military service	39.1	35.1	43.7	22.3	19.9	26.8
Grip	12.5	14.1	10.6	7.8	8.5	6.5
Different causes for each eye	4.9	5.4	4.5	4.6	4.0	5.8
Other causes unclassified	96.1	98.6	93.3	150.7	153.4	145.8
Unknown	114.4	110.5	118.9	186.7	190.1	180.5

Table XV gives for each age period the number of blind from each cause and class of causes.

TABLE XV.—*The blind, by causes of blindness and period of life when blindness occurred.*

CAUSE OF BLINDNESS.	The blind.	PERIOD OF LIFE WHEN BLINDNESS OCCURRED. Childhood (under 20 years).	Adult life (20 years and over).	Age unknown.
All causes	64,763	20,704	41,200	2,859
Opacity of eye	33,930	9,321	23,642	967
Causes affecting the cornea	11,380	5,645	5,400	335
Granulated lids	1,168	341	776	51
Catarrh	531	73	441	17
Colds	816	390	416	10
Measles	1,451	841	574	36
Scarlet fever	622	543	71	8
Scrofula	1,165	725	411	29
Smallpox	468	302	156	10
Sore eyes	3,735	1,753	1,873	109
Other causes producing opacity of cornea	1,424	677	682	65
Causes affecting the iris, ciliary body, and choroid	1,307	199	1,064	44
Venereal diseases	223	53	161	9
Exposure to heat and cold	469	45	409	15
Other causes affecting the iris, ciliary body, and choroid	615	101	494	20
Causes affecting the lens	11,769	942	10,473	354
Cataract	7,865	942	6,569	354
Old age	3,904	.....	3,904	.....
Other causes producing opacity of lens	.....	.....	.....	.....
Other causes producing opacity of eye	9,474	2,535	6,705	234
Neuralgia	1,759	162	1,558	39
Glaucoma	922	57	830	35
Injuries, accidents, and operations	6,668	2,295	4,243	150
All other causes producing opacity of eye	105	21	74	10
Nervous apparatus affected	7,944	2,576	5,134	234
Strained eyes	1,316	156	1,100	60
Meningitis	660	582	73	5
Congenital disease of brain	468	317	139	12
Other causes affecting nerve	5,500	1,521	3,822	157
Unclassified	14,885	6,988	7,549	348
Congenital	4,728	4,728	.....	.....
Military service	2,393	118	2,171	104
Grip	771	131	623	17
Different causes for each eye	317	78	230	9
Other causes unclassified	6,676	1,933	4,525	218
Unknown	8,004	1,819	4,875	1,310

The numbers given in Table XV are reduced to ratios in Table XVI, which shows the per 1,000 distribution, by cause, of those who became blind from all causes in the specified age periods.

TABLE XVI.—*The blind, by causes of blindness and period of life when blindness occurred.*

CAUSE OF BLINDNESS.	NUMBER FROM EACH CAUSE PER 1,000 FROM ALL CAUSES. In childhood (under 20 years).	In adult life (20 years and over).
All causes	1,000.0	1,000.0
Opacity of eye	450.2	573.9
Causes affecting the cornea	272.7	131.1
Granulated lids	16.5	18.8
Catarrh	3.5	10.7
Colds	18.9	10.1
Measles	40.6	13.9
Scarlet fever	26.2	1.7
Scrofula	35.0	10.0
Smallpox	14.6	3.8
Sore eyes	84.7	45.5
Other causes producing opacity of cornea	32.7	16.6
Causes affecting the iris, ciliary body, and choroid	9.6	25.8
Venereal diseases	2.5	3.9
Exposure to heat and cold	2.2	9.9
Other causes affecting the iris, ciliary body, and choroid	4.9	12.0
Causes affecting the lens	45.5	254.2
Cataract	45.5	159.4
Old age	.....	94.8
Other causes producing opacity of lens	.....	.....
Other causes producing opacity of eye	122.4	162.8
[illegible]	7.8	37.8
[illegible]	2.8	20.2
[illegible]	110.8	103.0
[illegible]	1.0	1.8
Nervous apparatus affected	124.4	124.6
Strained eyes	7.5	26.7
[illegible]	28.1	1.3
[illegible]	15.3	3.4
[illegible]	73.5	92.7
Unclassified	337.5	183.2
Congenital	228.3	.....
Military service	5.7	52.7
Grip	6.3	15.1
Different causes for each eye	3.8	5.6
Other causes unclassified	93.4	109.8
Unknown	87.9	118.3

It will be seen from Table XVI that causes affecting the cornea caused blindness in a larger number of cases among those blind from childhood than among the blind from adult life. Causes affecting the iris, ciliary body, and choroid, and causes affecting the lens produce blindness principally among adults; likewise other causes producing opacity of the eyes. Affections of the nervous apparatus cause blindness about as often among those under 20 years of age as among adults.

Of the 20,704 persons who were blind from childhood, 4,728 were born blind—about 23 per cent—the other principal causes being injuries, accidents, and operations, 2,295; sore eyes, 1,753; cataract, 942; measles, 841; scrofula, 725.

Cataract, injuries, accidents, and operations, old age, affections of the nervous apparatus, military service, sore eyes, and neuralgia were the principal causes of blindness among adults.

The detailed ages at which blindness occurred, constituting the two broad age groups specified in Table XVI, are given, in relation to causes of blindness, in Table 10, and an examination of that table shows that of the totally blind, 3,935 were blind at birth or became so under 1 year of age, while for the partially blind the corresponding figures are 3,434. These 7,369 persons, whose vision was either totally lost or seriously impaired before the completion of the first year of life, represent 11.4 per cent of the total number of blind.

Excluding congenital defects and injuries, accidents, and operations there are 2,556 who lost sight after birth but under 1 year of age, and in 644, or 25.2 per cent, of these cases the cause of blindness was probably ophthalmia neonatorum, or "babies' sore eyes," since other diseases of the eye causing blindness under 1 year of age are extremely rare. The importance of these figures lies in the fact that this disease, which is very malignant and which attacks the infant at birth or immediately after and almost always results in total destruction of the sight—usually of both eyes—or in very seriously impaired vision, is now considered preventable, and if proper measures had been instituted at the time of birth few or none of these cases would have occurred.

It is not pertinent in this connection to discuss the means of prevention, which are well known, but it can at least be pointed out, with emphasis, that the so-called "sore eyes" of babies is a highly dangerous affection, and that its treatment should be prompt and energetic and carried out by a thoroughly competent person.

The relation of causes of blindness to other details is shown in the following general tables:

Table 8 gives the causes of blindness, color and nativity, and sex.

Table 9 gives causes of blindness.

Table 10 gives causes of blindness and age when blindness occurred.

Table 11 gives causes of blindness, consanguinity of parents, and classes of blind relatives.

Marital condition.—Of the 64,763 blind reported, 22,120 are single, 24,559 are married, 17,333 are widowed, 379 are divorced, and for 372 the marital condition is not stated. Table XVII shows, by degree of blindness, the number and per cent of the blind in each marital class, with the number per 100,000 of each marital class of the population.

TABLE XVII.—*The blind, by degree of blindness and marital condition.*

MARITAL CONDITION.	The blind.	The totally blind.	The partially blind.
Number:			
Total	64,763	35,645	29,118
Single	22,120	13,122	8,998
Married	24,559	12,459	12,100
Widowed	17,333	9,609	7,724
Divorced	379	225	154
Unknown	372	230	142
Per cent distribution:			
Total	100.0	100.0	100.0
Single	34.1	36.8	30.9
Married	37.9	35.0	41.6
Widowed	26.8	27.0	26.5
Divorced	0.6	0.6	0.5
Unknown	0.6	0.6	0.5
Number per 100,000 population of same marital class:			
All classes	85.2	46.9	38.3
Single	50.3	29.8	20.5
Married	88.4	44.8	43.6
Widowed	444.9	246.6	198.3
Divorced	190.5	113.1	77.4

The figures in Table XVII are based upon the blind of all ages. On this basis the percentages of the blind by marital condition are: Single, 34.1; married, 37.9; widowed, 26.8; and divorced, 0.6. There is a much larger proportion of the partially blind than of the totally blind married, while the reverse is true of the single.

The numbers per 100,000 of population show that of the entire unmarried population 50.3 in each 100,000 are blind, 29.8 being totally blind and 20.5 partially blind. Of the married, 88.4 per 100,000 are blind; of the widowed, 444.9 per 100,000 are blind; and of the divorced, 190.5 per 100,000 are blind.

The excessive proportion of blind among the widowed or divorced population is due to the fact that the ages of the widowed and the divorced are much higher than those of the single and the married, and the further fact that the disability occurs with increasing frequency as the age increases. It also operates, to a certain extent, as a bar to remarriage.

In comparing results concerning the marital condition of different classes of the population, those under 15 years of age are generally excluded as almost wholly single or as unqualified for marriage. Making this exclusion in both the blind and the general population, the proportions of single, married, widowed, and divorced in the two classes are as follows:

CLASS.	PER CENT.			
	Single.	Married.	Widowed.	Divorced.
Population at least 15 years of age:				
Total	35.8	55.7	7.8	0.4
The blind	28.4	41.2	29.1	0.6

In making deductions from the above table the marked difference already referred to between the age distribution of the blind and that of the total popula-

tion must be borne in mind. The fact that the proportion of blind in the population increases very rapidly with each successive age period, especially after 50 years of age (Table VIII), is doubtless the principal reason for the large proportion of widowed and the small proportion of single among the blind, as compared with the total population.

Excluding those under 15 years of age the number of unmarried blind per 100,000 of population is 94.8 (totally blind, 58.8; partially blind, 36). This exclusion does not affect the proportions of blind among the married, widowed, or divorced in any appreciable degree, as the number of these classes under 15 years of age is so small as to be negligible.

The relation of marital condition to blindness is shown in Table 7.

Consanguinity of parents, and blind relatives.—The relationship or consanguinity of the parents of the 64,763 blind was reported in 56,507 cases, in 2,527, or 4.5 per cent, of which the parents were related as cousins.

In 57,726 cases the inquiry as to the existence of blind relatives was answered; 10,967, or 19 per cent, of this number reported that they had blind relatives.

The blind relatives are divided into two groups—the first comprising blind brothers, sisters, or ancestors, and the second collateral relatives or descendants. The results are shown in Table XVIII.

TABLE XVIII.—*The blind, by consanguinity of parents, degree of blindness, and blind relatives of other classes.*

CONSANGUINITY OF PARENTS.	Total.	Blind brothers, sisters, or ancestors.	Collateral relatives or descendants alone, blind.	No blind relatives or relatives by marriage alone, blind.	Not stated.
All classes:					
The blind	64,763	8,629	2,338	46,759	7,037
Totally blind	35,645	4,378	1,215	26,349	3,703
Partially blind	29,118	4,251	1,123	20,410	3,334
Parents cousins—					
The blind	2,527	844	149	1,456	78
Totally blind	1,291	435	78	739	39
Partially blind	1,236	409	71	717	39
Parents not cousins—					
The blind	53,980	7,395	2,095	43,368	1,122
Totally blind	29,892	3,720	1,090	24,541	541
Partially blind	24,088	3,675	1,005	18,827	581
Consanguinity of parents not stated—					
The blind	8,256	390	94	1,935	5,837
Totally blind	4,462	223	47	1,069	3,123
Partially blind	3,794	167	47	866	2,714

Of the 2,527 blind persons whose parents were cousins, 993, or 39.3 per cent, have blind relatives—844 having blind brothers, sisters, or ancestors, and 149 having blind collateral relatives or descendants. Of the 53,980 blind whose parents were not related, 9,490, or 17.6 per cent, have blind relatives, 7,395 having blind brothers, sisters, or ancestors, and 2,095 having blind collateral relatives or descendants.

Considered with reference to the degree of blindness the figures show that 1,291, or 51.1 per cent, of those whose parents were cousins are totally blind, and 1,236, or 48.9 per cent, are partially blind. Of those whose parents were not related, 29,892, or 55.4 per cent, are totally blind, and 24,088, or 44.6 per cent, are partially blind. It appears from these figures that total blindness occurs with somewhat greater frequency among those whose parents were not related.

Table XIX shows the causes of blindness among the blind, classified by consanguinity of parents and blind relatives.

TABLE XIX.—*The blind, by consanguinity of parents, blind relatives, and causes of blindness.*

CAUSE OF BLINDNESS.	PARENTS COUSINS.			PARENTS NOT COUSINS.		
	Total.	Blind brothers, sisters, or ancestors.	Collateral relatives or descendants alone, blind.	Total.	Blind brothers, sisters, or ancestors.	Collateral relatives or descendants alone, blind.
All causes	2,527	844	149	53,980	7,395	2,095
Opacity of eye	1,000	244	66	28,797	3,770	1,093
Causes affecting the cornea	444	108	34	10,016	1,283	444
Granulated lids	35	7	6	1,041	147	40
Catarrh	23	8	2	467	63	24
Colds	25	1	1	736	55	27
Measles	73	20	5	1,267	169	42
Scarlet fever	27	5	2	545	33	14
Scrofula	71	21	5	1,026	232	80
Smallpox	7	.....	.....	404	28	15
Sore eyes	152	34	12	3,270	419	152
Other causes producing opacity of cornea	31	12	1	1,260	137	50
Causes affecting the iris, ciliary body, and choroid	33	8	3	1,093	129	44
Venereal diseases	4	1	.....	161	13	7
Exposure to heat and cold	7	3	.....	399	52	15
Other causes affecting the iris, ciliary body, and choroid	22	4	3	533	64	22
Causes affecting the lens	288	89	14	9,467	1,603	321
Cataract	227	71	14	6,625	1,244	259
Old age	61	18	.....	2,842	359	62
Other causes producing opacity of lens	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Other causes producing opacity of eye	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Neuralgia	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Glaucoma	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Injuries, wounds and lesions and loss of eyes	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
All other causes producing opacity of eyes	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Nervous and muscular affections	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Strain	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Meningitis	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Congestion of brain	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Other causes affecting nerves	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Unclassified	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Congenital	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Military service	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Grip	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Different causes for each eye	4	1	[illegible]	[illegible]	[illegible]	[illegible]
Other causes not specified	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Unknown	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

The most significant fact derived from the figures given in Table XIX is found in the showing that of the 2,527 blind whose parents were cousins, 632, or 25 per cent, are congenitally blind, of whom 350, or 55.4 per cent, also have blind relatives of the classes specified; while among the 53,980 whose parents were not so related the number of congenitally blind is 3,666, or but 6.8 per cent, of whom only 1,023, or 27.9 per cent, have blind relatives.

The only specific causes other than congenital, to which a greater proportion of the total cases of blindness among those whose parents were cousins than among those whose parents were not related is due, are: Catarrh (parents cousins, 9.1; parents not cousins, 8.7 per 1,000); scarlet fever (parents cousins, 10.7; parents not cousins, 10.1 per 1,000); scrofula (parents cousins, 28.1; parents not cousins, 19 per 1,000); and measles (parents cousins, 28.9; parents not cousins, 23.5 per 1,000). The difference in these proportions is but slight, and the relative number of cases of blindness attributed to each of the other causes is greater among those whose parents were not related.

Table 11 gives the number of blind, by causes of blindness, consanguinity of parents, and classes of blind relatives.

School attendance.—The inquiry concerning education of the blind was limited to the simple question of whether the person had attended school, and if so, the kind of school attended, as "special school for the blind," or "common school," "high school," "college," etc.

Table XX shows the number and per cent of cases in which the totally and partially blind of each color returned a definite answer to the inquiry regarding school attendance.

TABLE XX.—*The blind, by degree of blindness, color, and school attendance.*

[illegible]	[illegible]	ATTENDED [illegible]	DID NOT AT- [illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
W: [illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Co [illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

The question was answered in 53,582 cases, and the replies show that 24,556, or 37.9 per cent, of the whole number of blind have a greater or less amount of schooling, while 29,026, or 44.8 per cent, have not attended any kind of school. In 11,181 cases, or 17.3 per cent, the information was not supplied.

Of the totally blind, 12,927, or 36.3 per cent, have attended school, and 17,141, or 48.1 per cent, have not. Of the partially blind, 11,629, or 39.9 per cent, have attended school, while 11,885, or 40.8 per cent, report no schooling whatever.

The number and per cent of the white and colored blind, classified by degree of blindness, who have received instruction in special schools for the blind is shown in Table XXI.

TABLE XXI.—*The blind, by degree of blindness and color, instructed in special schools.*

RACE, AND DEGREE OF BLINDNESS.	ATTENDED SCHOOL.		
	Total.	Special.	
		Number.	Per cent.
White:			
The blind	22,707	8,702	38.3
Totally blind	11,893	5,853	49.2
Partially blind	10,814	2,849	26.3
Colored:			
The blind	1,849	543	29.4
Totally blind	1,034	386	37.3
Partially blind	815	157	19.3

The detailed information with respect to schooling of the blind is contained in the following general tables:

Table 12 shows the blind, by color, school attendance, age, and sex.

Table 13 shows the blind, by color, school attendance, and age when blindness occurred.

Occupations.—Of 62,456 blind 10 years of age and upward, 12,506, or 20 per cent, were reported as engaged in definite remunerative occupations. The per cent of the general population similarly employed was 50.2.

Classifying the occupied blind by degree of blindness, the number reported as totally blind is 5,581 and the number reported as partially blind is 6,925. In other words, 16.2 per cent of the totally blind 10 years of age and over are gainfully employed and 24.7 per cent of the partially blind.

The occupations of the blind were compiled according to the classification adopted for the total population, and the number of the blind, classified by degree of blindness, engaged in the general classes of occupations, with the percentage that each class forms of those gainfully employed are shown in Table XXII.

TABLE XXII.—*The blind, gainfully employed, by degree of blindness and class of occupations.*

CLASS OF OCCUPATIONS.	The blind.	The totally blind.	The partially blind.
Number:			
All occupations	12,506	5,581	6,925
Agricultural pursuits	5,273	1,424	3,849
Professional service	1,404	1,010	394
Domestic and personal service	1,783	642	1,141
Trade and transportation	1,671	1,040	631
Manufacturing and mechanical pursuits	2,375	1,465	910
Per cent distribution:			
All occupations	100.0	100.0	100.0
Agricultural pursuits	42.2	25.5	55.6
Professional service	11.2	18.1	5.7
Domestic and personal service	14.2	11.5	16.5
Trade and transportation	13.4	18.6	9.1
Manufacturing and mechanical pursuits	19.0	26.3	13.1

The per cent distribution of the general population gainfully employed, by classes of occupations, for comparison with the preceding results obtained for the blind, is as follows:

Per cent distribution, by class of occupations, of population gainfully employed.

All occupations	100.0
Agricultural pursuits	35.7
Professional service	4.3
Domestic and personal service	19.2
Trade and transportation	16.4
Manufacturing and mechanical pursuits	24.4

The preceding figures show that there is a larger percentage of totally blind persons gainfully employed engaged in professional pursuits, trade and transportation, and manufacturing and mechanical industries than is found in the general population, while the percentage engaged in agricultural pursuits and domestic and personal service is less. Of the partially blind gainfully employed, the majority follow agricultural pursuits, the percentage in this class (55.6) being higher than that in the general population (35.7).

Comparing the proportions that those engaged in each class of occupations form of the totally blind gainfully employed with the corresponding proportions for the partially blind, it will be seen that the percentage of the former is higher in the professional, trade and transportation, and manufacturing and mechanical classes, while the partially blind have a higher percentage in agricultural pursuits and domestic and personal service.

The relation of occupation to blindness is shown in the following general tables:

Table 14 gives the number and per cent distribution, by class of occupations, of the blind over 10 years of age gainfully employed, by age when blindness occurred.

Table 15 gives the number of blind over 10 years of age engaged in each specified occupation and class of occupations, by color, sex, and age.

Table 16 gives the number of blind over 10 years of age engaged in each specified occupation and class of occupations, by age when blindness occurred.

The blind-deaf.—Of the 64,763 persons reported as blind, 2,772, or 42.8 per 1,000, were found to be also deaf.

The returns for this class have been compiled according to the age at which each disability occurred and the results are given in Table 17, showing the age at which blindness occurred in relation to the age at which deafness occurred.

The coincidence of the two defects is not disclosed by the figures showing age at occurrence by groups of years, and can not be stated exactly except for those blind and deaf from birth, of whom there are 76, but it fell within the same age groups in 1,194 cases, as follows: At birth, 76; between birth and 5 years of age, 64; at 5 to 9 years, 54; at 10 to 14 years, 37; at 15 to 19 years, 24; at 20 to 39 years, 145; at 40 to 59 years, 172; at 60 to 79 years, 429; and at 80 years and over, 193.

There are 153 cases in which the unfortunate persons lost both sight and hearing under 5 years of age.

GENERAL TABLES

TABLE 1.—THE BLIND, BY DEGREE OF BLINDNESS, PRESENT AGE PERIOD, AND COLOR AND NATIVITY, FOR STATES AND TERRITORIES: 1900.

THE BLIND.

STATE OR TERRITORY.	All ages.	PRESENT AGE UNDER 20.						PRESENT AGE 20 AND OVER.						PRESENT AGE UNKNOWN.					
		Aggregate.	White.				Colored.	Aggregate.	White.				Colored.	Aggregate.	White.				Colored.
			Total.	Native.	Foreign born.	Unknown.			Total.	Native.	Foreign born.	Unknown.			Total.	Native.	Foreign born.	Unknown.	
Continental United States	64,763	8,308	7,252	6,937	231	84	1,056	56,165	49,067	38,388	10,420	259	7,098	290	216	154	43	19	74
Alabama	1,791	202	123	122	1	.....	79	1,581	913	893	16	4	668	8	3	2	.....	1	5
Arizona	69	6	3	1	2	.....	3	62	35	24	11	.....	27	1	1	.....	.....	1	.....
Arkansas	1,587	318	246	245	.....	1	72	1,256	1,015	983	22	10	241	13	10	9	.....	1	3
California	1,196	121	116	106	10	.....	5	1,073	1,003	612	384	7	70	2	1	.....	1	.....	1
Colorado	295	49	48	32	1	15	1	246	243	173	63	7	3	.....	.....	.....	.....	.....	.....
Connecticut	747	55	54	45	9	.....	1	691	682	486	195	1	9	1	1	1	.....	.....	.....
Delaware	142	12	10	9	1	.....	2	128	111	92	19	.....	17	2	2	2	.....	.....	.....
District of Columbia	202	11	10	9	.....	1	1	189	111	83	28	.....	78	2	2	1	1	.....	.....
Florida	394	45	29	29	.....	.....	16	346	183	150	31	2	163	3	2	1	.....	1	1
Georgia	2,034	351	216	216	.....	.....	135	1,674	939	924	14	1	735	9	6	6	.....	.....	3
Idaho	111	12	11	11	.....	.....	1	96	56	35	21	.....	40	3	1	1	.....	.....	2
Illinois	3,767	495	488	463	23	2	7	3,261	3,219	2,329	869	21	42	11	10	7	2	1	1
Indian Territory	261	42	33	33	.....	.....	9	218	142	127	13	2	76	1	1	1	.....	.....	.....
Indiana	2,987	338	331	330	1	.....	7	2,635	2,590	2,298	274	18	45	14	13	10	1	2	1
Iowa	2,014	177	177	172	5	.....	.....	1,836	1,820	1,309	502	9	16	1	1	1	.....	.....	.....
Kansas	1,400	126	124	120	2	2	2	1,271	1,217	984	230	3	54	3	3	2	1	.....	.....
Kentucky	2,780	464	423	423	.....	.....	41	2,299	1,964	1,848	110	6	335	17	13	12	1	.....	4
Louisiana	1,071	138	77	76	1	.....	61	924	438	345	87	6	486	9	5	4	.....	1	4
Maine	724	43	43	40	3	.....	.....	681	681	586	94	1	.....	.....	.....	.....	.....	.....	.....
Maryland	983	164	132	129	2	1	32	814	608	470	135	3	206	5	2	2	.....	.....	3
Massachusetts	2,217	303	297	266	28	3	6	1,910	1,885	1,281	600	4	25	4	4	2	2	.....	.....
Michigan	1,946	208	205	191	11	3	3	1,735	1,703	1,154	544	5	32	3	3	2	1	.....	.....
Minnesota	887	145	143	106	7	30	2	741	722	292	403	27	19	1	1	1	.....	.....	.....
Mississippi	1,250	164	74	74	.....	.....	90	1,083	498	483	14	1	585	3	.....	.....	.....	.....	3
Missouri	3,325	361	348	345	3	.....	13	2,949	2,775	2,384	365	26	174	15	9	8	.....	1	6
Montana	99	23	16	16	.....	.....	7	76	56	29	27	.....	20	.....	.....	.....	.....	.....	.....
Nebraska	640	96	95	91	4	.....	1	539	526	362	163	1	13	5	5	3	1	1	.....
Nevada	56	2	.....	.....	.....	.....	2	54	19	6	13	.....	35	.....	.....	.....	.....	.....	.....
New Hampshire	417	29	29	27	2	.....	.....	387	387	320	67	.....	.....	1	1	.....	1	.....	.....
New Jersey	1,004	81	80	75	4	1	1	920	853	646	207	.....	67	3	3	2	1	.....	.....
New Mexico	450	68	58	57	1	.....	10	380	346	322	24	.....	34	2	2	2	.....	.....	.....
New York	5,486	548	537	483	50	4	11	4,913	4,836	3,132	1,689	15	77	25	25	9	13	3	.....
North Carolina	1,788	353	259	259	.....	.....	94	1,417	993	979	9	5	424	18	1	.....	1	.....	17
North Dakota	168	32	23	17	6	.....	9	134	105	37	67	1	29	2	1	.....	1	.....	1
Ohio	4,466	470	460	436	8	16	10	3,982	3,851	3,017	815	19	131	14	10	7	1	2	4
Oklahoma	250	46	41	41	.....	.....	5	204	176	161	13	2	28	.....	.....	.....	.....	.....	.....
Oregon	249	26	26	26	.....	.....	.....	222	177	140	36	1	45	1	.....	.....	.....	.....	1
Pennsylvania	4,441	453	443	428	13	2	10	3,957	3,862	2,951	889	22	95	31	29	19	9	1	2
Rhode Island	285	20	20	17	3	.....	.....	263	253	155	98	.....	10	2	2	1	1	.....	.....
South Carolina	1,102	167	83	83	.....	.....	84	932	408	394	8	6	524	3	.....	.....	.....	.....	3
South Dakota	280	34	31	29	2	.....	3	246	168	92	76	.....	78	.....	.....	.....	.....	.....	.....
Tennessee	2,400	412	326	324	.....	2	86	1,979	1,568	1,525	37	6	411	9	6	5	.....	1	3
Texas	2,095	401	337	325	12	.....	64	1,686	1,341	1,137	196	8	345	8	5	4	1	.....	3
Utah	207	17	17	16	1	.....	.....	188	181	72	109	.....	7	2	2	2	.....	.....	.....
Vermont	456	19	19	19	.....	.....	.....	437	435	357	77	1	2	.....	.....	.....	.....	.....	.....
Virginia	1,589	239	174	173	1	.....	65	1,341	836	816	19	1	505	9	8	8	.....	.....	1
Washington	210	44	43	41	2	.....	1	165	145	103	40	2	20	1	1	1	.....	.....	.....
West Virginia	925	180	177	177	.....	.....	3	741	711	660	47	4	30	4	2	1	.....	1	2
Wisconsin	1,500	194	194	181	12	1	.....	1,287	1,268	619	648	1	19	19	19	15	3	1	.....
Wyoming	20	4	3	3	.....	.....	1	16	13	11	2	.....	3	.....	.....	.....	.....	.....	.....

TABLE 1.—THE BLIND, BY DEGREE OF BLINDNESS, PRESENT AGE PERIOD, AND COLOR AND NATIVITY, FOR STAT AND TERRITORIES: 1900—Continued.

THE TOTALLY BLIND.

STATE OR TERRITORY.	All ages.	PRESENT AGE UNDER 20.						PRESENT AGE 20 AND OVER.						PRESENT AGE UNKNOWN.					
		Aggregate.	White.				Colored.	Aggregate.	White.				Colored.	Aggregate.	White.				Co ore
			Total.	Native.	Foreign born.	Unknown.			Total.	Native.	Foreign born.	Unknown.			Total.	Native.	Foreign born.	Unknown.	
Continental United States	35,645	4,123	3,543	3,377	129	37	580	31,363	26,704	20,179	6,363	162	4,659	159	112	80	19	13	
Alabama	1,055	104	60	59	1	.....	44	946	482	468	10	4	464	5	2	1	.....	1	
Arizona	44	5	2	1	1	.....	3	38	21	14	7	.....	17	1	1	.....	.....	1	
Arkansas	762	117	76	76	.....	.....	41	636	473	450	15	8	163	9	7	6	.....	1	
California	697	67	65	58	7	.....	2	630	569	336	228	5	61	.....	.....	.....	.....	.....	
Colorado	190	28	28	20	1	7	.....	162	159	113	40	6	3	.....	.....	.....	.....	.....	
Connecticut	452	37	36	29	7	.....	1	414	409	291	118	.....	5	1	1	1	.....	.....	
Delaware	76	5	4	3	1	.....	1	70	58	46	12	.....	12	1	1	1	.....	.....	
District of Columbia	129	5	5	5	.....	.....	.....	123	66	49	17	.....	57	1	1	1	.....	.....	
Florida	223	27	16	16	.....	.....	11	194	75	64	11	.....	119	2	1	.....	.....	1	
Georgia	1,138	168	99	99	.....	.....	69	966	496	486	10	.....	470	4	3	3	.....	.....	
Idaho	68	9	8	8	.....	.....	1	57	38	23	15	.....	19	2	1	1	.....	.....	
Illinois	1,990	233	248	232	14	2	5	1,729	1,707	1,170	526	11	22	8	7	5	1	1	
Indian Territory	134	15	13	13	.....	.....	2	119	70	61	8	1	49	.....	.....	.....	.....	.....	
Indiana	1,511	168	166	166	.....	.....	2	1,340	1,306	1,148	149	9	34	3	2	1	1	.....	
Iowa	1,017	82	82	78	4	.....	.....	934	925	632	287	6	9	1	1	1	.....	.....	
Kansas	704	68	67	67	.....	.....	1	636	607	490	114	3	29	.....	.....	.....	.....	.....	
Kentucky	1,353	195	175	175	.....	.....	20	1,152	934	862	68	4	218	6	5	5	.....	.....	
Louisiana	689	74	33	32	1	.....	41	611	283	218	60	5	328	4	2	2	.....	.....	
Maine	386	20	20	19	1	.....	.....	366	366	309	56	1	.....	.....	.....	.....	.....	.....	
Maryland	560	87	69	69	.....	.....	18	469	341	261	78	2	128	4	2	2	.....	.....	
Massachusetts	1,260	155	151	134	16	1	4	1,104	1,084	714	368	2	20	1	1	1	.....	.....	
Michigan	1,049	107	104	93	9	2	3	941	919	594	321	4	22	1	1	1	.....	.....	
Minnesota	526	70	68	57	3	8	2	455	440	160	263	17	15	1	1	1	.....	.....	
Mississippi	678	88	38	38	.....	.....	50	588	258	251	7	.....	330	2	.....	.....	.....	.....	2
Missouri	1,678	182	174	172	2	.....	8	1,486	1,358	1,133	206	19	128	10	5	4	.....	1	5
Montana	69	15	10	10	.....	.....	5	54	37	19	18	.....	17	.....	.....	.....	.....	.....	
Nebraska	361	60	59	57	2	.....	1	300	290	191	99	.....	10	1	1	1	.....	.....	
Nevada	44	2	.....	.....	.....	.....	2	42	10	3	7	.....	32	.....	.....	.....	.....	.....	
New Hampshire	262	20	20	20	.....	.....	.....	242	242	199	43	.....	.....	.....	.....	.....	.....	.....	
New Jersey	612	57	56	53	2	1	1	555	515	378	137	.....	40	.....	.....	.....	.....	.....	
New Mexico	310	46	38	37	1	.....	8	264	240	227	13	.....	24	.....	.....	.....	.....	.....	
New York	3,287	292	283	258	23	2	9	2,976	2,918	1,823	1,087	8	58	19	19	7	9	3	
North Carolina	992	171	126	126	.....	.....	45	814	532	526	4	2	282	7	.....	.....	.....	.....	7
North Dakota	94	15	12	7	5	.....	3	77	63	22	41	.....	14	2	1	.....	1	.....	1
Ohio	2,452	269	266	252	3	11	3	2,174	2,075	1,563	497	15	99	9	7	4	1	2	2
Oklahoma	117	19	17	17	.....	.....	2	98	79	71	7	1	19	.....	.....	.....	.....	.....	
Oregon	150	12	12	12	.....	.....	.....	137	102	83	18	1	35	1	.....	.....	.....	.....	1
Pennsylvania	2,569	236	229	220	8	1	7	2,317	2,255	1,681	563	11	62	16	14	10	4	.....	2
Rhode Island	182	13	13	11	2	.....	.....	169	161	95	66	.....	8	.....	.....	.....	.....	.....	
South Carolina	617	78	35	35	.....	.....	43	536	227	220	3	4	309	3	.....	.....	.....	.....	3
South Dakota	161	15	14	14	.....	.....	1	146	100	45	55	.....	46	.....	.....	.....	.....	.....	
Tennessee	1,170	155	105	104	.....	1	50	1,007	751	729	18	4	256	8	5	4	.....	1	3
Texas	1,176	196	161	153	8	.....	35	976	741	590	146	5	235	4	1	1	.....	.....	3
Utah	118	11	11	10	1	.....	.....	106	102	36	66	.....	4	1	1	1	.....	.....	
Vermont	247	8	8	8	.....	.....	.....	239	238	190	47	1	1	.....	.....	.....	.....	.....	
Virginia	886	109	74	73	1	.....	35	772	442	427	14	1	330	5	4	4	.....	.....	1
Washington	117	15	15	14	1	.....	.....	101	82	61	20	1	19	1	1	1	.....	.....	
West Virginia	453	69	69	69	.....	.....	.....	380	357	325	31	1	23	4	2	1	.....	1	2
Wisconsin	817	102	102	97	4	1	.....	704	693	325	368	.....	11	11	11	9	2	.....	.....
Wyoming	13	2	1	1	.....	.....	1	11	8	7	1	.....	3	.....	.....	.....	.....	.....	

TABLE 1.—THE BLIND, BY DEGREE OF BLINDNESS, PRESENT AGE PERIOD, AND COLOR AND NATIVITY, FOR STATES AND TERRITORIES: 1900—Continued.

THE PARTIALLY BLIND.

STATE OR TERRITORY.	All ages.	PRESENT AGE UNDER 20.						PRESENT AGE 20 AND OVER.						PRESENT AGE UNKNOWN.					
		Aggregate.	White.				Colored.	Aggregate.	White.				Colored.	Aggregate.	White.				Colored.
			Total.	Native.	Foreign born.	Unknown.			Total.	Native.	Foreign born.	Unknown.			Total.	Native.	Foreign born.	Unknown.	
Continental United States	29,118	4,185	3,709	3,560	102	47	476	24,802	22,363	18,209	4,057	97	2,439	131	104	74	24	6	27
Alabama	736	98	63	63			35	635	431	425	6		204	3	1	1			2
Arizona	25	1	1		1			24	14	10	4		10						
Arkansas	825	201	170	169		1	31	620	542	533	7	2	78	4	3	3			1
California	499	54	51	48	3		3	443	434	276	156	2	9	2	1		1		1
Colorado	105	21	20	12		8	1	84	84	60	23	1							
Connecticut	295	18	18	16	2			277	273	195	77	1	4						
Delaware	66	7	6	6			1	58	53	46	7		5	1	1	1			
District of Columbia	73	6	5	4		1	1	66	45	34	11		21	1	1		1		
Florida	171	18	13	13			5	152	108	86	20	2	44	1	1	1			
Georgia	896	183	117	117			66	708	443	438	4	1	265	5	3	3			2
Idaho	43	3	3	3				39	18	12	6		21	1					1
Illinois	1,777	242	240	231	9		2	1,532	1,512	1,159	343	10	20	3	3	2	1		
Indian Territory	127	27	20	20			7	99	72	66	5	1	27	1	1	1			
Indiana	1,476	170	165	164	1		5	1,295	1,284	1,150	125	9	11	11	11	9		2	
Iowa	997	95	95	94	1			902	895	677	215	3	7						
Kansas	696	58	57	53	2	2	1	635	610	494	116		25	3	3	2	1		
Kentucky	1,427	269	248	248			21	1,147	1,030	986	42	2	117	11	8	7	1		3
Louisiana	382	64	44	44			20	313	155	127	27	1	158	5	3	2		1	2
Maine	338	23	23	21	2			315	315	277	38								
Maryland	423	77	63	60	2	1	14	345	267	209	57	1	78	1					1
Massachusetts	957	148	146	132	12	2	2	806	801	567	232	2	5	3	3	1	2		
Michigan	897	101	101	98	2	1		794	784	560	223	1	10	2	2	1	1		
Minnesota	361	75	75	49	4	22		286	282	132	140	10	4						
Mississippi	572	76	36	36			40	495	240	232	7	1	255	1					1
Missouri	1,647	179	174	173	1		5	1,463	1,417	1,251	159	7	46	5	4	4			1
Montana	30	8	6	6			2	22	19	10	9		3						
Nebraska	279	36	36	34	2			239	236	171	64	1	3	4	4	2	1	1	
Nevada	12							12	9	3	6		3						
New Hampshire	155	9	9	7	2			145	145	121	24			1	1		1		
New Jersey	392	24	24	22	2			365	338	268	70		27	3	3	2	1		
New Mexico	140	22	20	20			2	116	106	95	11		10	2	2	2			
New York	2,199	256	254	225	27	2	2	1,937	1,918	1,309	602	7	19	6	6	2	4		
North Carolina	796	182	133	133			49	603	461	453	5	3	142	11	1		1		10
North Dakota	74	17	11	10	1		6	57	42	15	26	1	15						
Ohio	2,014	201	194	184	5	5	7	1,808	1,776	1,454	318	4	32	5	3	3			2
Oklahoma	133	27	24	24			3	106	97	90	6	1	9						
Oregon	99	14	14	14				85	75	57	18		10						
Pennsylvania	1,872	217	214	208	5	1	3	1,640	1,607	1,270	326	11	33	15	15	9	5	1	
Rhode Island	103	7	7	6	1			94	92	60	32		2	2	2	1	1		
South Carolina	485	89	48	48			41	396	181	174	5	2	215						
South Dakota	119	19	17	15	2		2	100	68	47	21		32						
Tennessee	1,230	257	221	220		1	36	972	817	796	19	2	155	1	1	1			
Texas	919	205	176	172	4		29	710	600	547	50	3	110	4	4	3	1		
Utah	89	6	6	6				82	79	36	43		3	1	1	1			
Vermont	209	11	11	11				198	197	167	30		1						
Virginia	703	130	100	100			30	569	394	389	5		175	4	4	4			
Washington	93	29	28	27	1		1	64	63	42	20	1	1						
West Virginia	472	111	108	108			3	361	354	335	16	3	7						
Wisconsin	683	92	92	84	8			583	575	294	280	1	8	8	8	6	1	1	
Wyoming	7	2	2	2				5	5	4	1								

TABLE 2.—THE BLIND, BY DEGREE OF BLINDNESS, PRESENT AGE, AND PERIOD OF LIFE AND AGE WHEN BLINDNESS OCCURRED, FOR STATES AND TERRITORIES: 1900.

THE TOTALLY BLIND.

STATE OR TERRITORY, AND PRESENT AGE.	Total.	PERIOD OF LIFE WHEN BLINDNESS OCCURRED.			AGE WHEN BLINDNESS OCCURRED.											
					Under 20							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	0 to 1	2 to 4	5 to 9	10 to 14	15 to 19	Not stated.	20 to 39	40 to 59	60 to 79	80 and over.	Not stated
Continental United States	35,645	11,500	22,969	1,176	2,317	2,084	1,417	2,219	1,685	1,423	355	6,104	7,154	7,821	1,697	1
Under 5	387	387			147	196	29				15					
5 to 9	875	875			292	297	136	105			45					
10 to 14	1,348	1,348			334	335	190	304	103		82					
15 to 19	1,513	1,513			307	251	193	355	230	83	94					
20 to 24	1,505	1,349	115	41	268	231	134	264	214	226	12	115				
25 to 29	1,346	1,014	291	41	175	168	112	191	195	163	10	290				
30 to 34	1,434	887	489	58	168	148	98	169	149	142	13	489				
35 to 39	1,643	836	743	64	127	136	115	154	137	156	11	742				
40 to 44	1,809	699	1,035	75	123	70	96	164	112	116	18	852	177			
45 to 49	1,969	599	1,288	82	94	71	71	123	119	108	13	738	547			
50 to 54	2,262	517	1,671	74	70	48	62	102	97	124	14	694	974			
55 to 59	2,529	409	2,034	86	58	41	39	67	92	105	7	651	1,374			
60 to 64	2,798	289	2,412	97	58	32	28	54	69	43	5	551	1,493	360		
65 to 69	3,037	250	2,664	123	43	29	31	47	57	39	4	416	1,080	1,156		
70 to 74	3,139	176	2,855	108	20	11	18	47	32	46	2	294	706	1,833		
75 to 79	2,993	147	2,734	112	16	4	27	31	33	33	3	162	418	2,126		
80 to 84	2,503	97	2,321	85	10	8	25	18	16	17	3	63	245	1,593	386	
85 to 89	1,382	49	1,282	51	1	4	4	12	11	16	1	17	73	534	626	
90 to 94	622	13	576	33			2	5	4	2		8	31	140	380	
95 to 99	229	7	215	7				1	5		1	3	4	39	161	
100 and over	163	2	156	5				2						12	139	
Unknown	159	37	88	34	6	4	7	4	10	4	2	19	32	28	5	
Alabama:																
All ages	1,055	334	688	33	78	46	38	68	49	48	7	202	211	215	53	
Under 20	104	104			28	27	15	20	6	5	3					
20 and over	946	229	684	33	49	19	23	48	43	43	4	201	210	214	53	
Unknown	5	1	4		1							1	1	1		
Arizona:																
All ages	44	13	23	8	3		4	4	1	1		7	9	6	1	
Under 20	5	5			3		1	1								
20 and over	38	8	23	7			3	3	1	1		7	9	6	1	
Unknown	1			1												
Arkansas:																
All ages	762	336	410	16	57	52	36	74	45	60	12	143	125	108	34	
Under 20	117	117			35	25	15	24	7	1	10					
20 and over	633	215	405	16	22	27	19	50	37	58	2	140	123	108	34	
Unknown	9	4	5				2		1	1		3	2			
California:																
All ages	697	162	485	50	31	28	17	30	27	22	7	141	153	159	27	
Under 20	67	67			14	18	6	15	6	3	5					
20 and over	630	95	485	50	17	10	11	15	21	19	2	141	153	159	27	
Unknown																
Colorado:																
All ages	190	54	126	10	18	12	6	7	6	3	2	45	46	32	3	
Under 20	28	28			12	7	4	2	1		2					
20 and over	162	26	126	10	6	5	2	5	5	3		45	46	32	3	
Unknown																
Connecticut:																
All ages	452	117	324	11	21	17	17	29	17	16		72	91	125	26	1
Under 20	37	37			10	11	6	6	3	1						
20 and over	414	80	323	11	11	6	11	23	14	15		72	90	125	26	1
Unknown	1		1										1			
Delaware:																
All ages	76	23	52	1	6	4	1	3	8	1		11	21	17	2	
Under 20	5	5			1	2		1	1							
20 and over	70	18	52		5	2	1	2	7	1		11	21	17	2	
Unknown	1			1												
District of Columbia:																
All ages	129	29	85	15	2	4	3	5	8	6	1	23	36	19	2	
Under 20	5	5			1		1	1	1		1					
20 and over	123	24	84	15	1	4	2	4	7	6		23	35	19	2	
Unknown	1		1										1			
Florida:																
All ages	223	72	141	10	15	12	8	13	7	14	3	28	50	47	11	
Under 20	27	27			6	9	4	3	2	1	2					
20 and over	194	45	140	9	9	3	4	10	5	13	1	28	50	47	11	
Unknown	2		1	1												
Georgia:																
All ages	1,138	411	687	40	100	78	46	69	53	51	14	197	193	238	53	
Under 20	168	168			36	50	25	32	12	3	10					
20 and over	966	241	685	40	63	28	21	37	41	47	4	197	193	236	53	
Unknown	4	2	2		1					1				2		
Idaho:																
All ages	68	21	45	2	5	7	2	4	2	1		9	17	14	4	
Under 20	9	9			4	2		2	1							
20 and over	57	11	44	2	1	5	2	2		1		9	16	14	4	
Unknown	2	1	1						1				1			

TABLE 2.—THE BLIND, BY DEGREE OF BLINDNESS, PRESENT AGE, AND PERIOD OF LIFE AND AGE WHEN BLINDNESS OCCURRED, FOR STATES AND TERRITORIES: 1900—Continued.

THE TOTALLY BLIND—Continued.

STATE OR TERRITORY, AND PRESENT AGE.	Total.	PERIOD OF LIFE WHEN BLINDNESS OCCURRED.			AGE WHEN BLINDNESS OCCURRED.											
					Under 20							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	0 to 1	2 to 4	5 to 9	10 to 14	15 to 19	Not stated.	20 to 39	40 to 59	60 to 79	80 and over.	Not stated.
Illinois:																
All ages	1,990	695	1,222	73	120	127	98	146	120	65	19	368	405	364	79	6
Under 20	253	253			62	62	39	43	30	5	12					
20 and over	1,729	441	1,217	71	57	65	59	103	90	60	7	366	402	364	79	6
Unknown	8	1	5	2	1							2	3			
Indian Territory:																
All ages	134	47	81	6	10	11	5	9	7	4	1	38	26	15	2	
Under 20	15	15			2	7	1	3	1		1					
20 and over	119	32	81	6	8	4	4	6	6	4		38	26	15	2	
Unknown																
Indiana:																
All ages	1,511	518	948	45	105	99	58	93	104	55	4	290	259	314	80	5
Under 20	168	168			41	50	15	31	23	6	2					
20 and over	1,340	350	946	44	64	49	43	62	81	49	2	290	258	314	80	4
Unknown	3		2	1									1			1
Iowa:																
All ages	1,017	288	706	23	53	51	41	57	40	41	5	165	199	268	72	2
Under 20	82	82			21	24	13	19	4		1					
20 and over	934	206	705	23	32	27	28	38	36	41	4	165	198	268	72	2
Unknown	1		1										1			
Kansas:																
All ages	704	220	467	17	28	41	37	40	33	36	5	107	142	177	41	
Under 20	68	68			17	18	9	13	8	2	1					
20 and over	636	152	467	17	11	23	28	27	25	34	4	107	142	177	41	
Unknown																
Kentucky:																
All ages	1,353	468	849	36	102	73	51	94	65	53	30	233	270	278	62	6
Under 20	195	195			53	45	22	37	11	3	24					
20 and over	1,152	271	845	36	49	27	29	57	53	50	6	231	270	276	62	6
Unknown	6	2	4			1			1			2		2		
Louisiana:																
All ages	689	196	472	21	53	35	20	24	31	25	8	118	152	145	46	11
Under 20	74	74			31	16	6	8	8		5					
20 and over	611	122	469	20	22	19	14	16	23	25	3	118	152	142	46	11
Unknown	4		3	1										3		
Maine:																
All ages	386	94	283	9	23	11	10	17	17	15	1	68	100	92	20	3
Under 20	20	20			5	3	5	3	2	1	1					
20 and over	366	74	283	9	18	8	5	14	15	14		68	100	92	20	3
Unknown																
Maryland:																
All ages	560	208	334	18	49	30	13	51	28	22	15	102	109	98	23	2
Under 20	87	87			23	17	8	19	7		13					
20 and over	469	121	331	17	26	13	5	32	21	22	2	100	108	98	23	2
Unknown	4		3	1								2	1			
Massachusetts:																
All ages	1,260	386	824	50	63	76	59	93	44	45	6	156	281	300	70	8
Under 20	155	155			37	41	30	37	4	1	5					
20 and over	1,104	231	823	50	26	35	29	56	40	44	1	156	281	308	70	8
Unknown	1		1											1		
Michigan:																
All ages	1,049	311	711	27	53	66	34	51	42	54	11	188	210	251	57	5
Under 20	107	107			30	31	8	15	10	4	9					
20 and over	941	204	710	27	23	35	26	36	32	50	2	188	209	251	57	5
Unknown	1		1										1			
Minnesota:																
All ages	526	177	338	11	30	30	21	44	23	23	6	80	100	132	25	1
Under 20	70	70			19	16	9	17	4	3	2					
20 and over	455	106	338	11	11	13	12	27	19	20	4	80	100	132	25	1
Unknown	1	1				1										
Mississippi:																
All ages	678	219	438	21	59	30	21	37	33	33	6	128	122	139	46	3
	88	88			29	16	12	19	7		5					
	588	131	437	20	30	14	9	18	26	33	1	127	122	139	46	3
	2		1	1								1				
Missouri:																
All ages	1,678	528	1,103	47	83	108	55	115	90	67	10	350	341	325	79	8
Under 20	182	182			32	51	17	46	21	5	10					
20 and over	1,486	345	1,098	43	51	57	38	68	69	62		350	339	322	79	8
Unknown	10	1	5	4				1					2	3		
Montana:																
All ages	69	23	44	2	2	6	4	6	4	1		9	26	7	2	
Under 20	15	15			2	4	4	4	1							
20 and over	54	8	44	2		2		2	3	1		9	26	7	2	
Unknown																

TABLE 2.—THE BLIND, BY DEGREE OF BLINDNESS, PRESENT AGE, AND PERIOD OF LIFE AND AGE WI BLINDNESS OCCURRED, FOR STATES AND TERRITORIES: 1900—Continued.

THE TOTALLY BLIND—Continued.

STATE OR TERRITORY, AND PRESENT AGE.	Total.	PERIOD OF LIFE WHEN BLINDNESS OCCURRED.			AGE WHEN BLINDNESS OCCURRED.										
					Under 20							20 and over.			
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	0 to 1	2 to 4	5 to 9	10 to 14	15 to 19	Not stated.	20 to 39	40 to 59	60 to 79	80 an over.
Nebraska:															
All ages	361	126	230	5	27	26	17	19	17	16	4	60	65	80	2
Under 20	60	60			17	15	6	11	8		3				
20 and over	300	66	229	5	10	11	11	8	9	16	1	60	65	80	2
Unknown	1		1												1
Nevada:															
All ages	44	4	26	14					2		2	7	12	7	
Under 20	2	2									2				
20 and over	42	2	26	14					2			7	12	7	
New															
			190	5	17	13	8	9	5	14	1	42	60	67	2
Under 20	20	20			6	7	3	3	1						
20 and over	242	47	190	5	11	6	5	6	4	14	1	42	60	67	2
Unknown															
New Jersey:															
All ages	612	181	418	13	30	42	14	35	22	28	10	104	138	152	2
Under 20	57	57			17	15	6	7	4	1	7				
20 and over	555	124	418	13	13	27	8	28	18	27	3	104	138	152	2
[illegible]															
New [illegible]				14	23	23	17	24	19	9	7	18	57	83	11
Under 20	46	46			5	9	7	15	3	3	4				
20 and over	264	76	174	14	18	14	10	9	16	6	3	18	57	83	11
[illegible]															
New [illegible]		1,001	2,141	145	159	187	154	207	151	115	28	551	711	728	12
Under 20	292	292			66	79	51	[illegible]	[illegible]	[illegible]	[illegible]				
20 and over	2,976	707	2,131	138	93	108	101								124
Unknown	19	2	10	7			2								1
North Carolina:															
All ages	992	367	598	27	150	48	37	43	49	27	13	135	187	215	58
Under 20	171	171			82	28	22	17	13	2	7				
20 and over	814	192	597	25	67	20	15	25	34	25	6	134	187	215	58
Unknown	7	4	1	2	1			1	2			1			
North Dakota:															
All ages	94	28	63	3	6	1	5	8	4	3	1	15	19	24	5
Under 20	15	15			5	1	2	3	3	1					
20 and over	77	13	62	2	1		3	5	1	2	1	15	19	24	4
Unknown	2		1	1											1
Ohio:															
All ages	2,452	741	1,627	84	140	152	106	133	90	93	27	390	494	604	129
Under 20	269	269			69	84	39	31	18	5	23				
20 and over	2,174	471	1,619	84	71	67	67	102	72	88	4	390	490	600	129
Unknown	9	1	8			1							4	4	
Oklahoma:															
All ages	117	45	70	2	9	7	5	9	6	8	1	23	21	22	4
Under 20	19	19			5	4	2	3	2	2	1				
20 and over	98	26	70	2	4	3	3	6	4	6		23	21	22	4
Unknown															
Oregon:															
All ages	150	50	91	9	4	8	9	14	9	5	1	24	24	34	6
Under 20	12	12			2	5	2	2	1						
20 and over	137	38	90	9	2	3	7	12	8	5	1	23	24	34	6
Unknown	1		1									1			
Pennsylvania:															
All ages	2,569	799	1,685	85	153	177	94	137	102	105	31	446	537	594	97
Under 20	236	236			62	77	26	33	19	8	11				
20 and over	2,317	558	1,679	80	90	100	67	102	82	97	20	446	533	593	96
Unknown	16	5	6	5	1		1	2	1				4	1	1
Rhode Island:															
All ages	182	59	118	5	16	10	7	13	8	5		28	50	32	6
Under 20	13	13			6	2		3	2						
20 and over	169	46	118	5	10	8	7	10	6	5		28	50	32	6
Unknown															
South Carolina:															
All ages	617	190	407	20	54	26	23	36	29	20	2	96	123	141	40
Under 20	78	78			27	16	13	11	7	2	2				
20 and over	536	112	404	20	27	10	10	25	22	18		95	122	140	40
Unknown	3		3									1	1	1	
South Dakota:															
All ages	161	44	113	4	10	6	5	8	8	7		32	42	33	6
Under 20	15	15			4	4	1	2	2	2					
20 and over	146	29	113	4	6	2	4	6	6	5		32	42	33	6
Unknown															

TABLE 2.—THE BLIND, BY DEGREE OF BLINDNESS, PRESENT AGE, AND PERIOD OF LIFE AND AGE WHEN BLINDNESS OCCURRED, FOR STATES AND TERRITORIES: 1900—Continued.

THE TOTALLY BLIND—Continued.

STATE OR TERRITORY, AND PRESENT AGE.	Total.	PERIOD OF LIFE WHEN BLINDNESS OCCURRED.			AGE WHEN BLINDNESS OCCURRED.											
					Under 20							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	0 to 1	2 to 4	5 to 9	10 to 14	15 to 19	Not stated.	20 to 39	40 to 59	60 to 79	80 and over.	Not stated.
Tennessee:																
All ages	1,170	415	727	28	92	71	55	72	61	47	17	234	223	227	40	3
Under 20	155	155			34	37	29	32	10	2	11					
20 and over	1,007	259	721	27	57	34	26	40	51	45	6	232	219	227	40	3
Unknown	8	1	6	1	1							2	4			
Texas:																
All ages	1,176	433	710	33	68	70	57	97	72	54	15	212	224	233	39	2
Under 20	196	196			42	47	21	51	18	4	13					
20 and over	976	234	709	33	26	23	36	46	52	50	1	212	224	232	39	2
Unknown	4	3	1						2		1			1		
Utah:																
All ages	118	35	82	1	3	5	5	13	6	3		20	16	40	5	1
Under 20	11	11			1	2	1	7								
20 and over	106	24	81	1	2	3	4	6	6	3		20	16	39	5	1
Unknown	1		1											1		
Vermont:																
All ages	247	54	189	4	8	5	8	13	13	6	1	33	48	88	19	1
Under 20	8	8			1	2	2	2			1					
20 and over	239	46	189	4	7	3	6	11	13	6		33	48	88	19	1
Unknown																
Virginia:																
All ages	886	304	554	28	82	55	27	53	41	37	9	146	158	192	52	6
Under 20	109	109			31	31	10	23	4	3	7					
20 and over	772	194	551	27	51	24	17	30	37	33	2	146	157	190	52	6
Unknown	5	1	3	1						1			1	2		
Washington:																
All ages	117	35	77	5	1	5	2	11	8	7	1	24	24	22	6	1
Under 20	15	15			1	5		5	3		1					
20 and over	101	20	76	5			2	6	5	7		24	24	22	5	1
Unknown	1		1												1	
West Virginia:																
All ages	453	160	272	21	34	38	22	26	19	19	2	56	88	105	20	3
Under 20	69	69			16	24	12	12	3	1	1					
20 and over	380	91	269	20	18	14	10	14	16	18	1	56	88	103	20	2
Unknown	4		3	1										2		1
Wisconsin:																
All ages	817	286	512	19	62	55	34	54	40	32	9	126	135	203	43	5
Under 20	102	102			23	33	18	15	6	3	4					
20 and over	704	177	511	16	39	21	14	39	32	28	4	125	135	203	43	5
Unknown	11	7	1	3		1	2		2	1	1	1				
Wyoming:																
All ages	13	4	9				1	2		1		4	4	1		
Under 20	2	2						2								
20 and over	11	2	9				1			1		4	4	1		
Unknown																

TABLE 2.—THE BLIND, BY DEGREE OF BLINDNESS, PRESENT AGE, AND PERIOD OF LIFE AND AGE WI BLINDNESS OCCURRED, FOR STATES AND TERRITORIES: 1900—Continued.

THE PARTIALLY BLIND.

STATE OR TERRITORY, AND PRESENT AGE.	Total.	PERIOD OF LIFE WHEN BLINDNESS OCCURRED.			AGE WHEN BLINDNESS OCCURRED.										
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Under 20							20 and over.			
					Birth.	0 to 1	2 to 4	5 to 9	10 to 14	15 to 19	Not stated.	20 to 39	40 to 59	60 to 79	80 a ove
Continental United States	29,118	9,204	18,231	1,683	2,413	1,352	1,189	1,571	1,173	971	535	4,866	5,337	5,972	1,3
Under 5	258	258			107	117	21				13				
5 to 9	787	787			243	221	143	107			73				
10 to 14	1,525	1,525			437	286	218	321	126		137				
15 to 19	1,615	1,615			446	195	191	300	236	99	148				
20 to 24	1,096	953	81	62	252	139	119	151	151	134	7	80			
25 to 29	914	648	210	56	173	85	82	99	95	100	14	209			
30 to 34	858	475	331	52	127	71	48	78	85	53	13	330			
35 to 39	1,089	497	529	63	107	71	70	80	60	90	19	526			
40 to 44	1,333	481	771	81	122	48	50	88	89	72	21	613	155		
45 to 49	1,393	408	894	91	93	26	46	78	73	75	17	488	404		
50 to 54	1,756	431	1,203	122	85	33	45	56	60	137	15	468	724		
55 to 59	1,983	299	1,541	143	56	14	36	50	47	81	15	560	966		
60 to 64	2,244	201	1,896	147	47	14	23	42	38	29	8	567	1,017	290	
65 to 69	2,428	182	2,059	187	41	14	25	34	31	25	12	447	793	776	
70 to 74	2,598	153	2,281	164	30	9	32	30	22	25	5	301	521	1,377	
75 to 79	2,691	136	2,371	184	18	4	18	22	32	30	12	156	383	1,700	
80 to 84	2,219	69	2,016	134	8	1	9	15	22	10	4	62	228	1,253	3
85 to 89	1,386	38	1,239	109	4	1	3	11	9	9	1	31	93	430	5
90 to 94	598	8	550	40	1	1	2	2	1	1		9	25	98	3
95 to 99	147	7	132	8			2	3	2			3	6	26	
100 and over	69		59	10									2	2	
Unknown	131	33	68	30	16	2	6	4	3	1	1	16	20	20	
Alabama:															
All ages	736	241	467	28	87	22	30	21	45	29	7	139	139	136	
Under 20	98	98			42	14	14	6	15	4	3				
20 and over	635	143	466	26	45	8	16	15	30	25	4	139	139	135	
Unknown	3		1	2										1	
Arizona:															
All ages	25	8	16	1	2		1	3		2		8	4	3	
Under 20	1	1			1										
20 and over	24	7	16	1	1		1	3		2		8	4	3	
Unknown															
Arkansas:															
All ages	825	383	401	41	60	51	67	88	57	37	23	179	127	72	
Under 20	201	201			32	29	39	44	29	6	22				
20 and over	620	181	399	40	28	22	28	43	28	31	1	178	126	72	
Unknown	4	1	2	1				1				1	1		
California:															
All ages	499	125	333	41	41	17	13	16	18	13	7	88	101	111	
Under 20	54	54			18	14	9	6	4		3				
20 and over	443	71	331	41	23	3	4	10	14	13	4	88	101	110	
Unknown	2		2											1	
Colorado:															
All ages	105	35	61	9	9	4	7	4	6	3	2	20	20	14	
Under 20	21	21			6	3	3	2	5		2				
20 and over	84	14	61	9	3	1	4	2	1	3		20	20	14	
Unknown															
Connecticut:															
All ages	295	71	201	23	30	9	6	8	7	9	2	31	53	81	
Under 20	18	18			7	3	3	3	1		1				
20 and over	277	53	201	23	23	6	3	5	6	9	1	31	53	81	
Unknown															
Delaware:															
All ages	66	18	47	1	4	2	1	4	3	2	2	14	12	13	
Under 20	7	7			1	1		2	2		1				
20 and over	58	11	46	1	3	1	1	2	1	2	1	14	12	12	
Unknown	1		1											1	
District of Columbia:															
All ages	73	14	51	8	4	3	2	2	2	1		9	20	11	
Under 20	6	6			3	2			1						
20 and over	66	8	50	8	1	1	2	2	1	1		9	20	11	
Unknown	1		1												
Florida:															
All ages	171	43	119	9	11	5	5	7	5	5	5	31	40	28	
Under 20	18	18			5	1	4	2		2	4				
20 and over	152	25	118	9	6	4	1	5	5	3	1	30	40	28	
Unknown	1		1									1			
Georgia:															
All ages	896	345	500	51	131	41	44	39	32	37	21	160	150	148	
Under 20	183	183			84	26	24	18	13	4	14				
20 and over	708	161	497	50	47	15	19	21	19	33	7	159	149	147	
Unknown	5	1	3	1			1					1	1	1	
Idaho:															
All ages	43	9	31	3	2		1	3	1	1	1	3	13	13	
Under 20	3	3			2				1						
20 and over	39	6	31	2			1	3		1	1	3	13	13	
Unknown	1			1											

TABLE 2.—THE BLIND, BY DEGREE OF BLINDNESS, PRESENT AGE, AND PERIOD OF LIFE AND AGE WHEN BLINDNESS OCCURRED, FOR STATES AND TERRITORIES: 1900—Continued.

THE PARTIALLY BLIND—Continued.

STATE OR TERRITORY, AND PRESENT AGE.	Total.	PERIOD OF LIFE WHEN BLINDNESS OCCURRED.			AGE WHEN BLINDNESS OCCURRED.											
					Under 20							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	0 to 1	2 to 4	5 to 9	10 to 14	15 to 19	Not stated.	20 to 39	40 to 59	60 to 79	80 and over.	Not stated.
Illinois:																
All ages	1,777	604	1,057	116	121	87	90	109	90	74	33	322	281	325	78	51
Under 20	242	242			62	46	27	54	26	2	25					
20 and over	1,532	362	1,056	114	59	41	63	55	64	72	8	322	280	325	78	51
Unknown	3		1	2									1			
Indian Territory:																
All ages	127	65	56	6	6	12	12	16	9	7	3	28	18	6	1	3
Under 20	27	27			5	6	4	8	2		2					
20 and over	99	38	55	6	1	6	8	8	7	7	1	28	17	6	1	3
Unknown	1		1										1			
Indiana:																
All ages	1,476	437	926	113	97	64	38	77	62	70	29	288	249	274	71	44
Under 20	170	170			43	35	18	30	23	6	15					
20 and over	1,295	264	918	113	52	29	20	46	39	64	14	286	249	272	70	41
Unknown	11	3	8		2			1				2		2	1	3
Iowa:																
All ages	997	264	671	62	58	44	26	56	40	28	12	184	201	212	45	29
Under 20	95	95			23	24	11	20	7	2	8					
20 and over	902	169	671	62	35	20	15	36	33	26	4	184	201	212	45	29
Unknown																
Kansas:																
All ages	696	168	497	31	40	14	24	27	30	23	10	162	138	160	28	9
Under 20	58	58			14	8	6	10	10	3	7					
20 and over	635	110	494	31	26	6	18	17	20	20	3	160	137	160	28	9
Unknown	3		3									2	1			
Kentucky:																
All ages	1,427	553	796	78	136	68	59	98	72	65	55	235	275	207	47	32
Under 20	269	269			70	40	35	52	24	4	44					
20 and over	1,147	281	792	74	64	28	24	46	47	61	11	234	273	207	47	31
Unknown	11	3	4	4	2				1			1	2			1
Louisiana:																
All ages	382	110	248	24	35	19	15	18	12	9	2	71	73	80	18	6
Under 20	64	64			27	11	7	10	4	3	2					
20 and over	313	45	245	23	7	8	8	8	8	6		70	72	80	17	6
Unknown	5	1	3	1	1							1	1		1	
Maine:																
All ages	338	66	253	19	21	9	6	13	9	5	3	54	66	92	31	10
Under 20	23	23			5	6	2	5	3	1	1					
20 and over	315	43	253	19	16	3	4	8	6	4	2	54	66	92	31	10
Unknown																
Maryland:																
All ages	423	153	232	38	63	19	15	15	14	14	13	52	82	78	10	10
Under 20	77	77			43	11	4	7	5		7					
20 and over	345	75	232	38	20	8	11	8	8	14	6	52	82	78	10	10
Unknown	1	1							1							
Massachusetts:																
All ages	957	269	632	56	68	53	32	59	28	15	14	98	185	241	67	41
Under 20	148	148			40	41	15	31	10	2	9					
20 and over	806	121	630	55	28	12	17	28	18	13	5	98	184	240	67	41
Unknown	3		2	1									1	1		
Michigan:																
All ages	897	249	609	39	60	47	32	40	40	17	13	134	175	228	43	29
Under 20	101	101			23	31	9	21	7		10					
20 and over	794	148	608	38	37	16	23	19	33	17	3	134	174	228	43	29
Unknown	2		1	1									1			
Minnesota:																
All ages	361	154	192	15	44	23	25	28	15	13	6	51	60	64	12	5
Under 20	75	75			22	18	12	12	4	2	5					
20 and over	286	79	192	15	22	5	13	16	11	11	1	51	60	64	12	5
Unknown																
Mississippi:																
All ages	572	161	365	46	50	17	17	26	20	22	9	101	119	112	28	5
Under 20	76	76			29	14	9	12	3	4	5					
20 and over	495	85	364	46	21	3	8	14	17	18	4	101	119	111	28	5
Unknown	1		1											1		
Missouri:																
All ages	1,647	525	1,022	100	79	71	77	111	81	85	21	384	299	274	44	21
Under 20	179	179			29	38	44	39	14	5	10					
20 and over	1,463	345	1,020	98	50	33	33	71	67	80	11	384	298	273	44	21
Unknown	5	1	2	2				1					1	1		
Montana:																
All ages	30	12	18		1	2	2	3	4			2	9	7		
Under 20	8	8				2	2	3	1							
20 and over	22	4	18		1				3			2	9	7		
Unknown																

TABLE 2.—THE BLIND, BY DEGREE OF BLINDNESS, PRESENT AGE, AND PERIOD OF LIFE AND AGE WHE BLINDNESS OCCURRED, FOR STATES AND TERRITORIES: 1900—Continued.

THE PARTIALLY BLIND—Continued.

STATE OR TERRITORY, AND PRESENT AGE.	Total.	PERIOD OF LIFE WHEN BLINDNESS OCCURRED.			AGE WHEN BLINDNESS OCCURRED.										
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Under 20							20 and over.			
					Birth.	0 to 1	2 to 4	5 to 9	10 to 14	15 to 19	Not stated.	20 to 39	40 to 59	60 to 79	80 and over.
Nebraska:															
All ages	279	81	182	16	24	16	9	16	7	6	3	55	48	63	14
Under 20	36	36			13	9	4	5	1	1	3				
20 and over	239	45	178	16	11	7	5	11	6	5		54	48	60	14
Unknown	4		4									1		3	
Nevada:															
All ages	12	1	11					1				2	6	3	
Under 20															
20 and over	12	1	11					1				2	6	3	
Unknown															
New Hampshire:															
All ages	155	36	113	6	9	6	8	4	3	4	2	22	34	35	14
Under 20	9	9			2	2	2	1	1		1				
20 and over	145	27	112	6	7	4	6	3	2	4	1	22	34	35	14
Unknown	1		1												
New Jersey:															
All ages	392	94	276	22	27	8	19	17	11	10	2	46	78	112	28
Under 20	24	24			7	2	5	4	4		2				
20 and over	365	68	275	22	20	6	14	13	6	9		46	78	111	28
Unknown	3	2	1						1	1				1	
New Mexico:															
All ages	140	44	92	4	7	16	5	5	4	3	4	16	29	33	9
Under 20	22	22			3	9	3	4	1		2				
20 and over	116	22	90	4	4	7	2	1	3	3	2	15	29	32	9
Unknown	2		2									1		1	
New York:															
All ages	2,199	574	1,459	166	143	105	76	107	63	50	30	285	397	555	145
Under 20	256	256			70	64	32	52	16	6	16				
20 and over	1,937	317	1,456	164	73	40	44	55	47	44	14	284	395	555	145
Unknown	6	1	3	2		1						1	2		
North Carolina:															
All ages	796	347	416	33	138	42	51	37	33	37	9	96	138	148	23
Under 20	182	182			75	30	29	18	15	6	9				
20 and over	603	157	414	32	57	12	20	19	18	31		95	138	147	23
Unknown	11	8	2	1	6		2					1		1	
North Dakota:															
All ages	74	26	43	5	5	6	5	6	3	1		9	13	17	1
Under 20	17	17			2	3	5	6	1						
20 and over	57	9	43	5	3	3			2	1		9	13	17	1
Unknown															
Ohio:															
All ages	2,014	485	1,411	118	116	73	58	83	70	64	21	311	410	519	115
Under 20	201	201			55	45	27	40	16	3	15				
20 and over	1,808	284	1,406	118	61	28	31	43	54	61	6	311	408	517	114
Unknown	5		5										2	2	1
Oklahoma:															
All ages	133	60	72	1	15	7	16	9	3	6	4	28	25	17	1
Under 20	27	27			6	4	8	4	2	1	2				
20 and over	106	33	72	1	9	3	8	5	1	5	2	28	25	17	1
Unknown															
Oregon:															
All ages	99	33	62	4	4	7	4	5	10	2	1	18	12	26	4
Under 20	14	14			3	4	3	3	1						
20 and over	85	19	62	4	1	3	1	2	9	2	1	18	12	26	4
Unknown															
Pennsylvania:															
All ages	1,872	520	1,207	145	149	105	64	83	56	39	24	255	334	454	95
Under 20	217	217			69	64	24	32	10	5	13				
20 and over	1,640	299	1,204	137	78	41	39	51	46	34	10	255	332	454	94
Unknown	15	4	3	8	2		1				1		2		1
Rhode Island:															
All ages	103	29	65	9	9	7	3	4	2	2	2	12	11	25	12
Under 20	7	7			1	2	1	1	1		1				
20 and over	94	22	63	9	8	5	2	3	1	2	1	11	10	25	12
Unknown	2		2									1	1		
South Carolina:															
All ages	485	138	334	13	46	20	13	22	15	14	8	96	113	97	13
Under 20	89	89			29	17	11	15	8	2	7				
20 and over	396	49	334	13	17	3	2	7	7	12	1	96	113	97	13
Unknown															
South Dakota:															
All ages	119	43	70	6	15	6	6	5	4	5	2	28	21	18	1
Under 20	19	19			7	5	3	2	1		1				
20 and over	100	24	70	6	8	1	3	3	3	5	1	28	21	18	1
Unknown															

TABLE 2.—THE BLIND, BY DEGREE OF BLINDNESS, PRESENT AGE, AND PERIOD OF LIFE AND AGE WHEN BLINDNESS OCCURRED, FOR STATES AND TERRITORIES: 1900—Continued.

THE PARTIALLY BLIND—Continued.

STATE OR TERRITORY, AND PRESENT AGE.	Total.	PERIOD OF LIFE WHEN BLINDNESS OCCURRED.			AGE WHEN BLINDNESS OCCURRED.											
					Under 20							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	0 to 1	2 to 4	5 to 9	10 to 14	15 to 19	Not stated.	20 to 39	40 to 59	60 to 79	80 and over.	Not stated.
Tennessee:																
All ages	1,230	468	710	52	121	53	55	82	66	36	55	244	200	214	32	20
Under 20	257	257			74	32	30	40	26	8	47					
20 and over	972	211	709	52	47	21	25	42	40	28	8	244	200	213	32	2
Unknown	1		1											1		
Texas:																
All ages	919	376	516	27	103	50	55	68	36	41	23	151	169	154	27	15
Under 20	205	205			59	32	37	34	14	8	21					
20 and over	710	169	514	27	44	17	18	33	22	33	2	150	168	154	27	15
Unknown	4	2	2			1		1				1	1			
Utah:																
All ages	89	21	68		4	2	2	6	4	1	2	15	24	22	3	4
Under 20	6	6			3			2	1							
20 and over	82	15	67		1	2	2	4	3	1	2	14	24	22	3	4
Unknown	1		1									1				
Vermont:																
All ages	209	48	146	15	14	5	9	8	6	4	2	23	29	61	24	9
Under 20	11	11			3	2	5	1								
20 and over	198	37	146	15	11	3	4	7	6	4	2	23	29	61	24	9
Unknown																
Virginia:																
All ages	703	258	415	30	89	35	27	38	29	21	19	110	115	146	30	14
Under 20	130	130			54	21	14	20	10	1	10					
20 and over	569	128	413	28	35	14	13	18	19	20	9	110	115	145	30	13
Unknown	4		2	2										1		1
Washington:																
All ages	93	45	47	1	15	8	6	7	5	1	3	10	19	10	7	1
Under 20	29	29			10	4	4	5	4		2					
20 and over	64	16	47	1	5	4	2	2	1	1	1	10	19	10	7	1
Unknown																
West Virginia:																
All ages	472	186	267	19	48	35	25	33	16	19	10	82	80	82	19	4
Under 20	111	111			32	21	11	24	8	6	9					
20 and over	361	75	267	19	16	14	14	9	8	13	1	82	80	82	19	4
Unknown																
Wisconsin:																
All ages	683	207	443	33	52	37	25	33	25	19	16	103	121	169	32	18
Under 20	92	92			20	22	12	19	7	2	10					
20 and over	583	110	441	32	29	15	11	14	18	17	6	103	120	168	32	18
Unknown	8	5	2	1	3		2						1	1		
Wyoming:																
All ages	7	2	5				1	1				1	2	2		
Under 20	2	2					1	1								
20 and over	5		5									1	2	2		
Unknown																

TABLE 3.—THE BLIND, BY DEGREE OF BLINDNESS, PRESENT AGE PERIOD, COLOR AND NATIVITY, SEX, AND PE LIFE AND AGE WHEN BLINDNESS OCCURRED, FOR CONTINENTAL UNITED STATES: 1900.

THE TOTALLY BLIND.

COLOR AND NATIVITY, SEX, AND PRESENT AGE PERIOD.	Total.	PERIOD OF LIFE WHEN BLINDNESS OCCURRED.			AGE WHEN BLINDNESS OCCURRED.										
					Under 20							20 and over.			
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	0 to 1	2 to 4	5 to 9	10 to 14	15 to 19	Not stated.	20 to 39	40 to 59	60 to 79	80 a ove
All ages	35,645	11,500	22,969	1,176	2,317	2,084	1,417	2,219	1,685	1,423	355	6,104	7,154	7,821	1,
White	30,359	9,984	19,472	903	1,993	1,921	1,232	1,923	1,444	1,171	300	5,097	6,120	6,785	1,
Males	17,267	5,536	11,190	481	1,102	1,036	678	1,050	825	702	143	3,479	3,513	3,533	
Females	13,152	4,448	8,282	422	891	885	554	873	619	469	157	1,618	2,607	3,252	
Native	23,636	9,018	14,037	581	1,886	1,760	1,087	1,726	1,294	998	267	3,963	4,348	4,651	
Males	13,278	5,011	7,948	319	1,050	946	597	945	740	605	128	2,691	2,410	2,364	
Females	10,358	4,007	6,089	262	836	814	490	781	554	393	139	1,272	1,938	2,287	
Foreign born	6,511	876	5,340	295	95	141	132	187	142	161	18	1,101	1,752	2,103	
Males	3,825	480	3,194	151	49	79	75	100	81	90	6	769	1,089	1,156	
Females	2,686	396	2,146	144	46	62	57	87	61	71	12	332	663	947	
Unknown	212	90	95	27	12	20	13	10	8	12	15	33	20	31	
Males	104	45	48	11	3	11	6	5	4	7	9	19	14	13	
Females	108	45	47	16	9	9	7	5	4	5	6	14	6	18	
Colored	5,286	1,516	3,497	273	324	163	185	296	241	252	55	1,007	1,034	1,036	
Males	2,937	874	1,911	152	200	89	102	164	128	165	26	683	621	456	
Females	2,349	642	1,586	121	124	74	83	132	113	87	29	324	413	580	
Under 20	4,123	4,123			1,076	1,079	548	764	333	87	236				
White	3,543	3,543			915	981	448	646	277	76	200				
Males	1,967	1,967			519	526	256	351	166	42	107				
Females	1,576	1,576			396	455	192	295	111	34	93				
Native	3,377	3,377			886	929	428	618	264	67	185				
Males	1,875	1,875			507	496	244	335	157	38	98				
Females	1,502	1,502			379	433	184	283	107	29	87				
Foreign born	129	129			24	40	17	27	11	7	3				
Males	71	71			12	23	10	15	7	3	1				
Females	58	58			12	17	7	12	4	4	2				
Unknown	37	37			5	12	3	1	2	2	12				
Males	21	21				7	2	1	2	1	8				
Females	16	16			5	5	1			1	4				
Colored	580	580			161	98	100	118	56	11	36				
Males	310	310			99	52	50	60	24	5	20				
Females	270	270			62	46	50	58	32	6	16				
20 and over	31,363	7,340	22,881	1,142	1,235	1,001	862	1,451	1,342	1,332	117	6,085	7,122	7,793	1,6
White	26,704	6,411	19,415	878	1,073	936	777	1,274	1,160	1,092	99	5,087	6,095	6,768	1,3
Males	15,181	3,548	11,163	470	581	509	416	697	653	657	35	3,475	3,496	3,528	5
Females	11,523	2,863	8,252	408	492	427	361	577	507	435	64	1,612	2,599	3,240	7
Native	20,179	5,614	13,994	571	995	828	654	1,105	1,023	928	81	3,956	4,328	4,638	9
Males	11,358	3,117	7,925	316	541	449	349	608	577	564	29	2,688	2,395	2,360	4
Females	8,821	2,497	6,069	255	454	379	305	497	446	364	52	1,268	1,933	2,278	5
Foreign born	6,363	746	5,330	287	71	101	114	160	131	154	15	1,100	1,747	2,100	3
Males	3,745	408	3,191	146	37	56	64	85	74	87	5	769	1,087	1,155	1
Females	2,618	338	2,139	141	34	45	50	75	57	67	10	331	660	945	1
Unknown	162	51	91	20	7	7	9	9	6	10	3	31	20	30	
Males	78	23	47	8	3	4	3	4	2	6	1	18	14	13	
Females	84	28	44	12	4	3	6	5	4	4	2	13	6	17	
Colored	4,659	929	3,466	264	162	65	85	177	182	240	18	998	1,027	1,025	3
Males	2,603	560	1,897	146	101	37	52	103	102	159	6	678	617	452	1
Females	2,056	369	1,569	118	61	28	33	74	80	81	12	320	410	573	2
Age unknown	159	37	88	34	6	4	7	4	10	4	2	19	32	28	
White	112	30	57	25	5	4	7	3	7	3	1	10	25	17	
Males	59	21	27	11	2	1	6	2	6	3	1	4	17	5	
Females	53	9	30	14	3	3	1	1	1			6	8	12	
Native	80	27	43	10	5	3	5	3	7	3	1	7	20	13	
Males	45	19	23	3	2	1	4	2	6	3	1	3	15	4	
Females	35	8	20	7	3	2	1	1	1			4	5	9	
Foreign born	19	1	10	8			1					1	5	3	
Males	9	1	3	5			1						2	1	
Females	10		7	3								1	3	2	
Unknown	13	2	4	7		1	1					2		1	
Males	5	1	1	3			1					1			
Females	8	1	3	4		1						1		1	
Colored	47	7	31	9	1			1	3	1	1	9	7	11	
Males	24	4	14	6				1	2	1		5	4	4	
Females	23	3	17	3	1				1		1	4	3	7	

TABLE 3.—THE BLIND, BY DEGREE OF BLINDNESS, PRESENT AGE PERIOD, COLOR AND NATIVITY, SEX, AND PERIOD OF LIFE AND AGE WHEN BLINDNESS OCCURRED, FOR CONTINENTAL UNITED STATES: 1900—Continued.

THE PARTIALLY BLIND.

COLOR AND NATIVITY, SEX, AND PRESENT AGE PERIOD.	Total.	PERIOD OF LIFE WHEN BLINDNESS OCCURRED.			AGE WHEN BLINDNESS OCCURRED.										
		Childhood 20.	Adult life 26	Un-	Under 20							20 and over.			
Foreign born	4,183	540	3,311	332	115	65	70	113	82	70	25	651	1,011	1,271	222	156
Males	2,505	301	2,026	178	60	39	41	58	45					734	102	72
Females	1,678	239	1,285	154	55	26	29	55	37					537	120	84
Unknown	150	78	55	17	27	16	9	10	4	3	9	19	10	20	3	3
Males	77	40	32	5	15	10	3	5	1	2	4	12	6	10	2	2
Females	73	38	23	12	12	6	6	5	3	1	5	7	4	10	1	1
Colored	2,942	913	1,861	168	223	85	117	159	146	121	62	554	591	533	118	65
Males	1,575	484	1,003	88	132	43	56	81	67	69	36	341	328	258	51	25
Females	1,367	429	858	80	91	42	61	78	79	52	26	213	263	275	67	40
Under 20	4,185	4,185			1,233	818	572	730	362	99	371					
White	3,709	3,709			1,113	760	493	643	295	78	327					
Males	1,966	1,966			592	415	270	328	151	46	164					
Females	1,743	1,743			521	345	223	315	144	32	163					
Native	3,560	3,560			1,072	718	473	615	291	77	314					
Males	1,881	1,881			573	384	259	314	149	45	157					
Females	1,679	1,679			499	334	214	301	142	32	157					
Foreign born	102	102			25	30	14	24	2	1	6					
Males	58	58			12	22	8	11	1	1	3					
Females	44	44			13	8	6	13	1		3					
Unknown	47	47			16	12	6	4	2		7					
Males	27	27			7	9	3	3	1		4					
Females	20	20			9	3	3	1	1		3					
Colored	476	476			120	58	79	87	67	21	44					
Males	237	237			72	26	33	41	30	9	26					
Females	239	239			48	32	46	46	37	12	18					
20 and over	24,802	4,986	18,163	1,653	1,164	532	611	837	808	871	163	4,850	5,317	5,952	1,310	734
White	22,363	4,559	16,311	1,493	1,067	505	576	765	730	771	145	4,297	4,727	5,424	1,192	671
Males	13,309	2,615	9,856	838	659	263	329	423	403	472	66	2,978	2,877	3,123	572	306
Females	9,054	1,944	6,455	655	408	242	247	342	327	299	79	1,319	1,850	2,301	620	365
Native	18,209	4,096	12,964	1,149	971	466	517	670	648	699	125	3,631	3,712	4,138	968	515
Males	10,832	2,363	7,812	657	606	245	296	374	359	425	58	2,495	2,234	2,382	468	233
Females	7,377	1,733	5,152	492	365	221	221	296	289	274	67	1,136	1,478	1,756	500	282
Foreign born	4,057	434	3,295	328	87	35	56	89	80	69	18	648	1,005	1,267	221	154
Males	2,431	241	2,014	176	47	17	33	47	44	45	8	472	637	731	102	72
Females	1,626	193	1,281	152	40	18	23	42	36	24	10	176	368	536	119	82
Unknown	97	29	52	16	9	4	3	6	2	3	2	18	10	19	3	2
Males	46	11	30	5	6	1		2		2		11	6	10	2	1
Females	51	18	22	11	3	3	3	4	2	1	2	7	4	9	1	1
Colored	2,439	427	1,852	160	97	27	35	72	78	100	18	553	590	528	118	63
Males	1,325	241	1,000	84	56	17	21	40	37	60	10	340	328	256	51	25
Females	1,114	186	852	76	41	10	14	32	41	40	8	213	262	272	67	38
Age unknown	131	33	68	30	16	2	6	4	3	1	1	16	20	20	4	8
White	104	23	59	22	10	2	3	4	2	1	1	15	19	15	4	6
Males	60	11	38	11	4	2	1	1	1	1	1	12	13	8	2	3
Females	44	12	21	11	6		2	3	1			3	6	7	2	3
Native	74	17	40	17	5	2	3	4	2	1		11	13	10	3	3
Males	40	7	24	9	1	2	1	1	1	1		8	7	5	2	2
Females	34	10	16	8	4		2	3	1			3	6	5	1	1
Foreign born	24	4	16	4	3						1	3	6	4	1	2
Males	16	2	12	2	1						1	3	6	3		
Females	8	2	4	2	2									1	1	2
Unknown	6	2	3	1	2							1		1		1
Males	4	2	2		2							1				1
Females	2		1	1										1		
Colored	27	10	9	8	6		3		1			1	1	5		2
Males	13	6	3	4	4		2					1		2		
Females	14	4	6	4	2		1		1				1	3		2

TABLE 4.—THE BLIND, BY DEGREE OF BLINDNESS AND PERIOD OF LIFE WHEN BLINDNESS OCCURRED, FOR S AND TERRITORIES: 1900.

STATE OR TERRITORY.	THE BLIND.			PERIOD OF LIFE WHEN BLINDNESS OCCURRED.							
				Childhood (under 20).			Adult life (20 and over).			Unknown.	
	Total.	The totally blind.	The partially blind.	Total.	The totally blind.	The partially blind.	Total.	The totally blind.	The partially blind.	Total.	The totally blind.
Continental United States	64,763	35,645	29,118	20,704	11,500	9,204	41,200	22,969	18,231	2,859	1,176
Alabama	1,791	1,055	736	575	334	241	1,155	688	467	61	33
Arizona	69	44	25	21	13	8	39	23	16	9	8
Arkansas	1,587	762	825	719	336	383	811	410	401	57	16
California	1,196	697	499	287	162	125	818	485	333	91	50
Colorado	295	190	105	89	54	35	187	126	61	19	10
Connecticut	747	452	295	188	117	71	525	324	201	34	11
Delaware	142	76	66	41	23	18	99	52	47	2	1
District of Columbia	202	129	73	43	29	14	136	85	51	23	15
Florida	394	223	171	115	72	43	260	141	119	19	10
Georgia	2,034	1,138	896	756	411	345	1,187	687	500	91	40
Idaho	111	68	43	30	21	9	76	45	31	5	2
Illinois	3,767	1,990	1,777	1,299	695	604	2,279	1,222	1,057	189	73
Indian Territory	261	134	127	112	47	65	137	81	56	12	6
Indiana	2,987	1,511	1,476	955	518	437	1,874	948	926	158	45
Iowa	2,014	1,017	997	552	288	264	1,377	706	671	85	23
Kansas	1,400	704	696	388	220	168	964	467	497	48	17
Kentucky	2,780	1,353	1,427	1,021	468	553	1,645	849	796	114	36
Louisiana	1,071	689	382	306	196	110	720	472	248	45	21
Maine	724	386	338	160	94	66	536	283	253	28	9
Maryland	983	560	423	361	208	153	566	334	232	56	18
Massachusetts	2,217	1,260	957	655	386	269	1,456	824	632	106	50
Michigan	1,946	1,049	897	560	311	249	1,320	711	609	66	27
Minnesota	887	526	361	331	177	154	530	338	192	26	11
Mississippi	1,250	678	572	380	219	161	803	438	365	67	21
Missouri	3,325	1,678	1,647	1,053	528	525	2,125	1,103	1,022	147	47
Montana	99	69	30	35	23	12	62	44	18	2	2
Nebraska	640	361	279	207	126	81	412	230	182	21	5
Nevada	56	44	12	5	4	1	37	26	11	14	14
New Hampshire	417	262	155	103	67	36	303	190	113	11	5
New Jersey	1,004	612	392	275	181	94	694	418	276	35	13
New Mexico	450	310	140	166	122	44	266	174	92	18	14
New York	5,486	3,287	2,199	1,575	1,001	574	3,600	2,141	1,459	311	145
North Carolina	1,788	992	796	714	367	347	1,014	598	416	60	27
North Dakota	168	94	74	54	28	26	106	63	43	8	3
Ohio	4,466	2,452	2,014	1,226	741	485	3,038	1,627	1,411	202	84
Oklahoma	250	117	133	105	45	60	142	70	72	3	2
Oregon	249	150	99	83	50	33	153	91	62	13	9
Pennsylvania	4,441	2,569	1,872	1,319	799	520	2,892	1,685	1,207	230	85
Rhode Island	285	182	103	88	59	29	183	118	65	14	5
South Carolina	1,102	617	485	328	190	138	741	407	334	33	20
South Dakota	280	161	119	87	44	43	183	113	70	10	4
Tennessee	2,400	1,170	1,230	883	415	468	1,487	727	710	80	28
Texas	2,095	1,176	919	809	433	376	1,226	710	516	60	33
Utah	207	118	89	56	35	21	150	82	68	1	1
Vermont	456	247	209	102	54	48	335	189	146	19	4
Virginia	1,589	886	703	562	304	258	969	554	415	58	28
Washington	210	117	93	80	35	45	124	77	47	6	5
West Virginia	925	453	472	346	160	186	539	272	267	40	21
Wisconsin	1,500	817	683	493	286	207	955	512	443	52	19
Wyoming	20	13	7	6	4	2	14	9	5	.....	.....

TABLE 5.—THE BLIND, BY DEGREE OF BLINDNESS AND PERIOD OF LIFE AND AGE WHEN BLINDNESS OCCURRED, FOR STATES AND TERRITORIES: 1900.

THE TOTALLY BLIND.

STATE OR TERRITORY.	Total.	PERIOD OF LIFE WHEN BLINDNESS OCCURRED.			AGE WHEN BLINDNESS OCCURRED.											
					Under 20							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	Under 1	1 to 4	5 to 9	10 to 14	15 to 19	Not stated.	20 to 39	40 to 59	60 to 79	80 and over.	Not stated.
Continental United States.	35,645	11,500	22,969	1,176	2,317	1,618	1,883	2,219	1,685	1,423	355	6,104	7,154	7,821	1,697	193
Alabama	1,055	334	688	33	78	38	46	68	49	48	7	202	211	215	53	7
Arizona	44	13	23	8	3	.....	4	4	1	1	.....	7	9	6	1	.....
Arkansas	762	336	410	16	57	30	58	74	45	60	12	143	125	108	34	.....
California	697	162	485	50	31	20	25	30	27	22	7	141	153	159	27	5
Colorado	190	54	126	10	18	8	10	7	6	3	2	45	46	32	3	.....
Connecticut	452	117	324	11	21	14	20	29	17	16	.....	72	91	125	26	10
Delaware	76	23	52	1	6	4	1	3	8	1	.....	11	21	17	2	1
District of Columbia	129	29	85	15	2	3	4	5	8	6	1	23	36	19	2	5
Florida	223	72	141	10	15	10	10	13	7	14	3	28	50	47	11	5
Georgia	1,138	411	687	40	100	69	55	69	53	51	14	197	193	238	53	6
Idaho	68	21	45	2	5	5	4	4	2	1	.....	9	17	14	4	1
Illinois	1,990	695	1,222	73	120	101	124	146	120	65	19	368	405	364	79	6
Indian Territory	134	47	81	6	10	9	7	9	7	4	1	38	26	15	2	.....
Indiana	1,511	518	948	45	105	76	81	93	104	55	4	290	259	314	80	5
Iowa	1,017	288	706	23	53	34	58	57	40	41	5	165	199	268	72	2
Kansas	704	220	467	17	28	33	45	40	33	36	5	107	142	177	41	.....
Kentucky	1,353	468	849	36	102	55	69	94	65	53	30	233	270	278	62	6
Louisiana	689	196	472	21	53	28	27	24	31	25	8	118	152	145	46	11
Maine	386	94	283	9	23	11	10	17	17	15	1	68	100	92	20	3
Maryland	560	208	334	18	49	28	15	51	28	22	15	102	109	98	23	2
Massachusetts	1,260	386	824	50	63	65	70	93	44	45	6	156	281	309	70	8
Michigan	1,049	311	711	27	53	53	47	51	42	54	11	188	210	251	57	5
Minnesota	526	177	338	11	30	25	26	44	23	23	6	80	100	132	25	1
Mississippi	678	219	438	21	59	25	26	37	33	33	6	128	122	139	46	3
Missouri	1,678	528	1,103	47	83	79	84	115	90	67	10	350	341	325	79	8
Montana	69	23	44	2	2	3	7	6	4	1	.....	9	26	7	2	.....
Nebraska	361	126	230	5	27	21	22	19	17	16	4	60	65	80	23	2
Nevada	44	4	26	14	.....	.....	.....	.....	2	.....	2	7	12	7	.....	.....
New Hampshire	262	67	190	5	17	10	11	9	5	14	1	42	60	67	20	1
New Jersey	612	181	418	13	30	35	21	35	22	28	10	104	138	152	23	1
New Mexico	310	122	174	14	23	19	21	24	19	9	7	18	57	83	11	5
New York	3,287	1,001	2,141	145	159	147	194	207	151	115	28	551	711	728	125	26
North Carolina	992	367	598	27	150	33	52	43	49	27	13	135	187	215	58	3
North Dakota	94	28	63	3	6	1	5	8	4	3	1	15	19	24	5	.....
Ohio	2,452	741	1,627	84	140	118	140	133	90	93	27	390	494	604	129	10
Oklahoma	117	45	70	2	9	5	7	9	6	8	1	23	21	22	4	.....
Oregon	150	50	91	9	4	7	10	14	9	5	1	24	24	34	6	3
Pennsylvania	2,569	799	1,685	85	153	140	131	137	102	105	31	446	537	594	97	11
Rhode Island	182	59	118	5	16	9	8	13	8	5	.....	28	50	32	6	2
South Carolina	617	190	407	20	54	24	25	36	29	20	2	96	123	141	40	7
South Dakota	161	44	113	4	10	5	6	8	8	7	.....	32	42	33	6	.....
Tennessee	1,170	415	727	28	92	48	78	72	61	47	17	234	223	227	40	3
Texas	1,176	433	710	33	68	45	82	97	72	54	15	212	224	233	39	2
Utah	118	35	82	1	3	5	5	13	6	3	.....	20	16	40	5	1
Vermont	247	54	189	4	8	5	8	13	13	6	1	33	48	88	19	1
Virginia	886	304	554	28	82	41	41	53	41	37	9	146	158	192	52	6
Washington	117	35	77	5	1	4	3	11	8	7	1	24	24	22	6	1
West Virginia	453	160	272	21	34	27	33	26	19	19	2	56	88	105	20	3
Wisconsin	817	286	512	19	62	43	46	54	40	32	9	126	135	203	43	5
Wyoming	13	4	9	.....	.....	.....	1	2	.....	1	.....	4	4	1	.....	.....

TABLE 5.—THE BLIND, BY DEGREE OF BLINDNESS AND PERIOD OF LIFE AND AGE WHEN BLINDNESS O FOR STATES AND TERRITORIES: 1900—Continued.

THE PARTIALLY BLIND.

STATE OR TERRITORY.	Total.	PERIOD OF LIFE WHEN BLINDNESS OCCURRED.			AGE WHEN BLINDNESS OCCURRED.										
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Under 20							20 and over.			
					Birth.	Under 1	1 to 4	5 to 9	10 to 14	15 to 19	Not stated.	20 to 39	40 to 59	60 to 79	80 o
Continental United States.	29,118	9,204	18,231	1,683	2,413	1,021	1,520	1,571	1,173	971	535	4,866	5,337	5,972	1
Alabama	736	241	467	28	87	17	35	21	45	29	7	139	139	136	
Arizona	25	8	16	1	2	.....	1	3	.....	2	.....	8	4	3	
Arkansas	825	383	401	41	60	36	82	88	57	37	23	179	127	72	
California	499	125	333	41	41	16	14	16	18	13	7	88	101	111	
Colorado	105	35	61	9	9	3	8	4	6	3	2	20	20	14	
Connecticut	295	71	201	23	30	9	6	8	7	9	2	31	53	81	
Delaware	66	18	47	1	4	1	2	4	3	2	2	14	12	13	
District of Columbia	73	14	51	8	4	3	2	2	2	1	.....	9	20	11	
Florida	171	43	119	9	11	3	7	7	5	5	5	31	40	28	
Georgia	896	345	500	51	131	30	55	39	32	37	21	160	150	148	
Idaho	43	9	31	3	2	.....	1	3	1	1	1	3	13	13	
Illinois	1,777	604	1,057	116	121	64	113	109	90	74	33	322	281	325	
Indian Territory	127	65	56	6	6	6	18	16	9	7	3	28	18	6	
Indiana	1,476	437	926	113	97	46	56	77	62	70	29	288	249	274	
Iowa	997	264	671	62	58	38	32	56	40	28	12	184	201	212	
Kansas	696	168	497	31	40	10	28	27	30	23	10	162	138	160	
Kentucky	1,427	553	796	78	136	42	85	98	72	65	55	235	275	207	
Louisiana	382	110	248	24	35	15	19	18	12	9	2	71	73	80	
Maine	338	66	253	19	21	6	9	13	9	5	3	54	66	92	
Maryland	423	153	232	38	63	16	18	15	14	14	13	52	82	78	
Massachusetts	957	269	632	56	68	44	41	59	28	15	14	98	185	241	
Michigan	897	249	609	39	60	35	44	40	40	17	13	134	175	228	
Minnesota	361	154	192	15	44	21	27	28	15	13	6	51	60	64	
Mississippi	572	161	365	46	50	14	20	26	20	22	9	101	119	112	
Missouri	1,647	525	1,022	100	79	55	93	111	81	85	21	384	299	274	
Montana	30	12	18	.....	1	2	2	3	4	.....	.....	2	9	7	....
Nebraska	279	81	182	16	24	13	12	16	7	6	3	55	48	63	
Nevada	12	1	11	.....	.....	.....	.....	1	.....	.....	.....	2	6	3	....
New Hampshire	155	36	113	6	9	4	10	4	3	4	2	22	34	35	
New Jersey	392	94	276	22	27	4	23	17	11	10	2	46	78	112	
New Mexico	140	44	92	4	7	13	8	5	4	3	4	16	29	33	
New York	2,199	574	1,459	166	143	78	103	107	63	50	30	285	397	555	
North Carolina	796	347	416	33	138	34	59	37	33	37	9	96	138	148	
North Dakota	74	26	43	5	5	3	8	6	3	1	.....	9	13	17	
Ohio	2,014	485	1,411	118	116	55	76	83	70	64	21	311	410	519	
Oklahoma	133	60	72	1	15	4	19	9	3	6	4	28	25	17	
Oregon	99	33	62	4	4	6	5	5	10	2	1	18	12	26	
Pennsylvania	1,872	520	1,207	145	149	89	80	83	56	39	24	255	334	454	
Rhode Island	103	29	65	9	9	7	3	4	2	2	2	12	11	25	
South Carolina	485	138	334	13	46	17	16	22	15	14	8	96	113	97	
South Dakota	119	43	70	6	15	5	7	5	4	5	2	28	21	18	
Tennessee	1,230	468	710	52	121	35	73	82	66	36	55	244	200	214	
Texas	919	376	516	27	103	39	66	68	36	41	23	151	169	154	
Utah	89	21	68	.....	4	.....	4	6	4	1	2	15	24	22	
Vermont	209	48	146	15	14	2	12	8	6	4	2	23	29	61	
Virginia	703	258	415	30	89	25	37	38	29	21	19	110	115	146	
Washington	93	45	47	1	15	8	6	7	5	1	3	10	19	10	
West Virginia	472	186	267	19	48	24	36	33	16	19	10	82	80	82	
Wisconsin	683	207	443	33	52	24	38	33	25	19	16	103	121	169	
Wyoming	7	2	5	.....	.....	.....	1	1	.....	.....	.....	1	2	2	....

TABLE 6.—THE BLIND, BY DEGREE OF BLINDNESS AND THE TOTALLY BLIND.

	STATE OR TERRITORY.	All ages.	AGE WHEN BLINDNESS OCCURRED. Definitely stated.													
			Birth.	Under 1	1	2	3	4	5	6	7	8	9	10	11	1
1	Continental United States	35,645	2,317	1,618	466	468	500	449	530	455	439	461	334	443	242	4
2	Alabama	1,055	78	38	8	10	22	6	9	12	18	20	9	12	2	
3	Arizona	44	3	.....	.....	2	1	1	1	.....	3	.....	.....	.....	.....	...
4	Arkansas	762	57	30	22	7	16	13	19	20	17	9	9	12	4	
5	California	697	31	20	8	5	4	8	7	7	9	2	5	3	4	
6	Colorado	190	18	8	4	4	.....	2	5	.....	1	1	.....	.....	1	
7	Connecticut	452	21	14	3	3	8	6	11	6	2	7	3	5	.....	
8	Delaware	76	6	4	.....	.....	1	.....	.....	1	.....	2	.....	4	.....	
9	District of Columbia	129	2	3	1	1	1	1	2	1	2	.....	.....	3	2	
10	Florida	223	15	10	2	4	2	2	3	2	2	2	4	3	1	
11	Georgia	1,138	100	69	9	16	15	15	19	14	13	14	9	14	9	
12	Idaho	68	5	5	2	.....	2	.....	.....	1	2	.....	1	2	.....	...
13	Illinois	1,990	120	101	26	35	38	25	37	33	26	24	26	35	22	
14	Indian Territory	134	10	9	2	2	1	2	2	3	3	1	.....	1	1	
15	Indiana	1,511	105	76	23	26	15	17	18	18	24	19	14	24	9	
16	Iowa	1,017	53	34	17	11	16	14	17	8	8	14	10	3	8	
17	Kansas	704	28	33	8	10	16	11	12	7	10	5	6	7	7	1
18	Kentucky	1,353	102	55	18	18	16	17	23	24	19	14	14	17	12	1
19	Louisiana	689	53	28	7	7	6	7	5	7	5	4	3	7	4	
20	Maine	386	23	11	.....	1	4	5	3	.....	1	6	7	4	1	
21	Maryland	560	49	28	2	3	7	3	13	10	13	9	6	11	2	
22	Massachusetts	1,260	63	65	11	18	21	20	30	21	15	17	10	12	2	1
23	Michigan	1,049	53	53	13	12	15	7	14	11	11	8	7	14	5	1
24	Minnesota	526	30	25	5	8	5	8	10	11	3	13	7	6	2	
25	Mississippi	678	59	25	5	3	10	8	8	6	7	8	8	5	10	
26	Missouri	1,678	83	79	29	21	21	13	27	25	22	26	15	27	20	1
27	Montana	69	2	3	3	.....	1	3	1	.....	3	2	.....	1	.....	
28	Nebraska	361	27	21	5	8	5	4	1	5	4	5	4	5	2	
29	Nevada	44	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	...
30	New Hampshire	262	17	10	3	.....	8	.....	1	2	1	4	1	2	.....	...
31	New Jersey	612	30	35	7	3	5	6	7	5	8	9	6	8	4	
32	New Mexico	310	23	19	4	6	4	7	5	7	7	3	2	7	2	
33	New York	3,287	159	147	40	57	45	52	53	41	33	50	30	31	28	3
34	North Carolina	992	150	83	15	9	14	14	12	7	7	12	5	15	5	1
35	North Dakota	94	6	1	.....	1	2	2	2	1	1	2	2	.....	.....	
36	Ohio	2,452	140	118	34	30	37	39	33	25	24	31	20	30	13	1
37	Oklahoma	117	9	5	2	2	1	2	.....	1	4	3	1	.....	2	1
38	Oregon	150	4	7	1	4	3	2	2	2	4	4	2	4	2	.....
39	Pennsylvania	2,569	153	140	37	29	36	29	25	25	27	38	22	25	18	2
40	Rhode Island	182	16	9	1	1	2	4	2	2	4	2	3	4	.....	1
41	South Carolina	617	54	24	2	8	10	5	7	4	14	5	6	8	1	9
42	South Dakota	161	10	5	1	1	3	1	3	1	.....	1	3	5	.....	.....
43	Tennessee	1,170	92	48	23	26	16	13	18	19	9	18	8	19	3	23
44	Texas	1,176	68	45	25	21	14	22	24	25	15	14	19	16	13	21
45	Utah	118	3	5	.....	2	2	1	2	3	2	4	2	1	1	1
46	Vermont	247	8	5	.....	3	2	3	6	1	1	3	2	4	2	2
47	Virginia	886	82	41	14	12	5	10	17	13	6	12	5	11	5	10
48	Washington	117	1	4	1	.....	.....	2	2	2	5	1	1	3	.....	1
49	West Virginia	453	34	27	11	11	4	7	2	4	10	4	6	2	2	7
50	Wisconsin	817	62	43	12	7	17	10	10	11	13	9	11	11	9	9
51	Wyoming	13	.....	.....	.....	.....	1	.....	.....	1	1	.....	.....	.....	.....	.....

BLINDNESS OCCURRED, FOR STATES AND TERRITORIES: 1900.

THE TOTALLY BLIND—Continued.

AGE WHEN BLINDNESS OCCURRED—continued.																				
Definitely stated—Continued.														Indefinitely stated.						
15	16	17	18	19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 to 99	100 and over.	Present age under 20	Infancy.	Childhood.	Youth.	Adult life.	Old age.	Unknown.	
319	280	244	351	229	3,011	3,093	3,450	3,704	4,218	3,603	1,411	245	41	169	119	55	12	59	134	1,176	1
9	9	5	17	8	94	108	109	102	128	87	33	19	1	2	3	1	1	1	6	33	2
1	.....	.....	.....	.....	4	3	2	7	3	3	.....	.....	1	.....	.....	.....	.....	.....	.....	8	3
18	10	6	13	13	79	64	66	59	64	44	21	10	3	5	6	1	.....	.....	.....	16	4
2	5	7	5	3	50	91	89	64	106	53	21	5	1	3	2	2	.....	5	.....	50	5
.....	1	1	1	.....	18	27	26	20	18	14	2	1	.....	2	.....	.....	.....	.....	.....	10	6
5	3	3	3	2	32	40	32	59	72	53	23	3	.....	.....	.....	.....	.....	3	7	11	7
.....	1	.....	.....	.....	5	6	10	11	13	4	1	1	.....	.....	.....	.....	.....	.....	1	1	8
.....	2	1	2	1	7	16	19	17	12	7	1	.....	1	1	.....	.....	.....	.....	5	15	9
2	3	3	1	5	19	9	25	25	26	21	8	3	.....	.....	1	1	1	1	4	10	10
9	8	7	17	10	97	100	95	98	131	107	36	13	4	10	3	1	.....	1	5	40	11
.....	.....	.....	1	.....	4	5	8	9	10	4	4	.....	.....	.....	.....	.....	.....	.....	1	2	12
10	16	15	16	8	188	180	194	211	184	180	74	5	.....	10	3	5	1	3	3	73	13
1	.....	.....	3	.....	24	14	13	13	13	2	2	.....	.....	1	.....	.....	.....	.....	.....	6	14
16	5	11	12	11	142	148	121	138	152	162	74	6	.....	2	1	.....	1	3	2	45	15
9	6	7	10	9	90	75	99	100	144	124	62	9	1	1	3	1	.....	2	.....	23	16
7	6	9	7	7	57	50	66	76	89	88	34	4	3	1	1	2	1	.....	.....	17	17
14	15	9	9	6	124	109	137	133	145	133	53	9	.....	11	16	2	1	.....	6	36	18
9	3	5	2	6	62	56	65	87	92	53	31	13	2	4	1	2	1	.....	11	21	19
3	4	2	4	2	26	42	51	49	49	43	18	2	.....	1	.....	.....	.....	.....	3	9	20
6	5	2	7	2	56	46	52	57	53	45	18	4	1	4	10	1	.....	.....	2	18	21
14	8	6	11	6	78	78	141	140	173	136	61	9	.....	5	.....	1	.....	1	7	50	22
10	11	10	18	5	84	104	114	96	138	113	49	8	.....	7	3	1	.....	4	1	27	23
7	4	5	3	4	36	44	49	51	61	71	24	1	.....	1	2	3	.....	.....	1	11	24
5	9	8	10	1	79	49	66	56	70	69	29	12	5	4	2	.....	.....	.....	3	21	25
10	10	13	22	12	167	183	179	162	160	165	71	7	1	9	1	.....	.....	1	7	47	26
.....	.....	.....	1	.....	5	4	12	14	4	3	1	1	.....	.....	.....	.....	.....	.....	.....	2	27
3	3	4	3	3	31	29	27	38	40	40	19	4	.....	3	.....	.....	1	1	1	5	28
.....	.....	.....	.....	.....	2	5	6	6	5	2	.....	.....	.....	2	.....	.....	.....	.....	.....	14	29
2	.....	3	7	2	20	22	28	32	29	38	18	1	1	.....	1	.....	.....	1	.....	5	30
9	5	7	4	3	44	60	69	69	81	71	16	6	1	6	3	1	.....	.....	1	13	31
2	3	1	3	.....	12	6	20	37	46	37	8	3	.....	4	1	2	.....	.....	5	14	32
19	25	24	32	15	280	271	347	364	373	355	114	10	1	12	9	7	.....	14	12	145	33
6	9	4	5	3	78	57	73	114	130	85	51	6	1	7	4	2	.....	.....	3	27	34
.....	2	.....	1	.....	7	8	10	9	7	17	4	1	.....	.....	1	.....	.....	.....	.....	3	35
17	17	13	27	19	195	195	222	272	322	282	114	13	2	16	8	2	1	3	7	84	36
3	2	.....	3	.....	12	11	11	10	14	8	2	2	.....	1	.....	.....	.....	.....	.....	2	37
2	1	.....	1	1	8	16	10	14	22	12	5	1	.....	.....	.....	.....	1	1	2	9	38
21	26	19	21	18	197	249	252	285	318	276	91	6	.....	6	11	14	.....	6	5	85	39
3	.....	1	.....	1	12	16	19	31	17	15	6	.....	.....	.....	.....	.....	.....	1	1	5	40
5	7	1	2	5	57	39	52	71	80	61	28	9	3	1	1	.....	.....	1	6	20	41
2	2	2	1	.....	15	17	21	21	18	15	6	.....	.....	.....	.....	.....	.....	.....	.....	4	42
14	8	1	14	10	112	122	117	106	128	99	31	9	.....	4	11	1	1	.....	3	28	43
15	7	12	11	9	100	112	103	121	135	98	30	6	3	12	2	.....	1	.....	2	33	44
2	.....	.....	1	.....	11	9	5	11	26	14	5	.....	.....	.....	.....	.....	.....	.....	1	1	45
2	1	2	.....	1	15	18	24	24	45	43	15	4	.....	1	.....	.....	.....	.....	1	4	46
11	7	6	8	5	76	70	72	86	110	82	40	8	4	7	2	.....	.....	3	3	28	47
1	2	1	1	2	12	12	12	12	12	10	6	.....	.....	.....	.....	1	.....	.....	1	5	48
5	2	3	5	4	26	30	33	55	52	53	15	5	.....	.....	2	.....	.....	.....	3	21	49
8	7	4	6	7	58	68	75	60	97	106	36	6	1	3	5	1	.....	3	2	19	50
.....	.....	1	.....	.....	4	.....	2	2	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	51

TABLE 6.—THE BLIND, BY DEGREE OF BLINDNESS AND A

THE PARTIALLY BLIND.

	STATE OR TERRITORY.	All ages.	AGE WHEN BLINDNESS OCCURRED. Definitely stated.													
			Birth.	Under 1	1	2	3	4	5	6	7	8	9	10	11	12
1	Continental United States	29,118	2,413	1,021	331	436	394	359	329	374	324	330	214	389	153	295
2	Alabama	736	87	17	5	13	6	11	2	6	6	4	3	14	7	13
3	Arizona	25	2	.....	.....	1	.....	.....	1	.....	1	1	.....	.....	.....	.....
4	Arkansas	825	60	36	15	28	25	14	26	21	12	18	11	14	12	10
5	California	499	41	16	1	4	1	8	4	5	4	1	2	6	4	3
6	Colorado	165	9	3	1	1	3	3	2	1	.....	1	.....	3	.....	1
7	Connecticut	295	30	9	.....	4	1	1	2	3	1	.....	2	1	3	2
8	Delaware	66	4	1	1	.....	.....	1	1	2	1	.....	.....	1	.....	.....
9	District of Columbia	73	4	3	.....	1	1	.....	1	.....	1	.....	.....	.....	.....	2
10	Florida	171	11	3	2	3	.....	2	3	1	1	1	1	1	1	1
11	Georgia	896	131	30	11	11	14	19	5	8	7	10	9	14	2	9
12	Idaho	43	2	.....	.....	.....	.....	1	1	1	.....	1	.....	.....	.....	1
13	Illinois	1,777	121	64	23	44	22	24	18	30	23	18	20	27	15	20
14	Indian Territory	127	6	6	6	3	2	7	3	3	5	4	1	2	.....	3
15	Indiana	1,476	97	46	18	10	20	8	16	16	14	22	9	28	8	9
16	Iowa	997	58	38	6	7	6	13	15	14	12	10	5	14	7	8
17	Kansas	696	40	10	4	14	7	3	7	6	5	5	4	7	4	8
18	Kentucky	1,427	136	42	26	16	20	23	22	24	18	25	9	28	9	23
19	Louisiana	382	35	15	4	6	3	6	4	6	2	2	4	6	1	2
20	Maine	338	21	6	3	1	2	3	.....	7	2	3	1	4	2	3
21	Maryland	423	63	16	3	4	4	7	4	3	3	4	1	2	2	5
22	Massachusetts	957	68	44	9	15	9	8	10	22	10	12	5	7	4	12
23	Michigan	897	60	35	12	13	11	8	7	9	9	9	6	14	1	8
24	Minnesota	361	44	21	2	14	7	4	6	3	7	6	6	8	2	3
25	Mississippi	572	50	14	3	6	7	4	8	5	4	6	3	6	1	4
26	Missouri	1,647	79	55	16	28	29	20	23	19	29	24	16	26	8	22
27	Montana	30	1	2	.....	1	.....	1	.....	1	1	1	.....	1	.....	2
28	Nebraska	279	24	13	3	.....	5	4	1	3	6	6	.....	1	1	3
29	Nevada	12	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....
30	New Hampshire	155	9	4	2	4	2	2	2	.....	.....	1	1	1	.....	2
31	New Jersey	392	27	4	4	6	8	5	6	9	1	.....	1	7	.....	3
32	New Mexico	140	7	13	3	3	2	.....	1	3	.....	1	.....	1	.....	1
33	New York	2,199	143	78	27	24	27	25	21	17	29	23	17	19	9	13
34	North Carolina	796	138	34	8	20	16	15	9	11	4	8	5	18	1	6
35	North Dakota	74	5	3	3	2	3	.....	1	1	1	3	.....	1	.....	.....
36	Ohio	2,014	116	55	18	18	25	15	23	18	17	19	6	24	11	17
37	Oklahoma	133	15	4	3	5	7	4	2	1	2	3	1	1	.....	1
38	Oregon	99	4	6	1	.....	1	3	1	1	.....	2	1	3	1	3
39	Pennsylvania	1,872	149	89	16	20	21	23	17	19	22	12	13	18	13	10
40	Rhode Island	103	9	7	.....	1	1	1	1	1	1	1	.....	2	.....	.....
41	South Carolina	485	46	17	3	6	4	3	6	3	4	5	4	7	2	2
42	South Dakota	119	15	5	1	2	1	3	2	.....	1	1	1	1	1	2
43	Tennessee	1,220	121	35	18	17	22	16	11	22	13	18	18	15	9	19
44	Texas	919	103	39	11	16	23	16	11	11	19	14	13	11	6	12
45	Utah	89	4	.....	2	.....	.....	2	1	.....	1	3	1	3	.....	1
46	Vermont	209	14	2	3	3	2	4	.....	1	4	2	1	1	.....	3
47	Virginia	703	89	25	10	12	8	7	8	9	11	8	2	7	2	10
48	Washington	93	15	8	.....	5	1	.....	3	2	1	.....	1	2	.....	1
49	West Virginia	472	48	24	11	13	6	6	5	13	4	7	4	5	.....	4
50	Wisconsin	683	52	24	13	10	9	6	6	12	4	5	6	7	4	6
51	Wyoming	7	.....	.....	.....	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....

BLINDNESS OCCURRED, FOR STATES AND TERRITORIES: 1900—Continued.

THE PARTIALLY BLIND—Continued.

AGE WHEN BLINDNESS OCCURRED—continued.																				
Definitely stated—Continued.													Indefinitely stated.							
15	16	17	18	19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 7[illegible]	[illegible]	[illegible]	[illegible]	Infancy.	Childhood.	Youth.	Adult life.	Old age.	Unknown.	
263	201	134	227	146	2,347	2,519	2,728	2,609	3,075	2,897	1,153	149	12	266	138	95	36	82	660	1,683	1
13	6	1	7	2	61	78	77	62	81	55	27	9	1	1	3	3	.....	.....	16	28	2
.....	.....	.....	1	1	4	4	4	.....	1	2	.....	.....	1	.....	.....	.....	.....	.....	.....	1	3
12	8	4	8	5	90	89	77	50	45	27	7	2	.....	14	8	1	.....	1	13	41	4
1	4	3	2	3	47	41	52	49	52	59	13	1	1	2	2	3	.....	2	16	41	5
.....	1	2	.....	.....	12	8	12	8	9	5	5	2	.....	2	.....	.....	.....	.....	.....	9	6
4	1	2	1	1	18	13	31	22	35	46	20	2	.....	1	.....	.....	1	3	11	23	7
1	.....	.....	.....	1	5	9	8	4	7	6	4	.....	.....	1	.....	1	.....	2	2	1	8
.....	1	.....	.....	.....	5	4	12	8	6	5	2	.....	.....	.....	.....	.....	.....	1	8	8	9
.....	1	1	3	.....	10	21	24	16	17	11	9	2	.....	1	1	3	.....	.....	9	9	10
8	8	2	11	8	77	83	73	77	83	65	29	3	.....	11	6	3	1	.....	10	51	11
1	.....	.....	.....	.....	.....	3	3	10	10	3	.....	2	.....	.....	1	.....	.....	.....	.....	3	12
19	19	6	17	13	160	162	150	131	164	161	72	6	.....	21	7	3	2	6	45	116	13
1	1	3	2	.....	16	12	12	6	4	2	.....	1	.....	2	.....	1	.....	.....	3	6	14
18	10	16	13	13	147	141	129	120	132	142	66	5	.....	12	5	9	3	4	40	113	15
12	4	3	6	3	98	86	104	97	106	106	39	6	.....	5	3	2	2	3	26	62	16
6	2	5	5	5	80	82	73	65	87	73	26	2	.....	6	2	2	.....	1	8	31	17
20	16	8	9	12	100	135	141	134	105	102	41	5	1	27	19	8	1	1	31	78	18
4	1	.....	3	1	36	35	36	37	46	34	13	4	1	1	1	.....	.....	.....	6	24	19
2	1	.....	2	.....	19	35	28	38	43	49	30	1	.....	1	1	.....	1	3	7	19	20
6	4	3	1	.....	22	30	40	42	44	34	7	2	1	7	2	3	1	1	9	38	21
6	3	4	2	.....	46	52	79	106	110	131	63	4	.....	7	3	3	1	4	37	56	22
3	3	3	7	1	71	63	97	78	119	109	36	7	.....	8	2	2	1	5	24	39	23
5	1	3	3	1	21	30	29	31	29	35	10	2	.....	3	1	1	1	1	4	15	24
8	3	3	5	3	47	54	59	60	69	43	22	5	1	5	.....	4	.....	1	4	46	25
22	14	10	23	16	188	196	182	117	150	124	42	2	.....	7	4	10	.....	1	20	100	26
.....	.....	.....	.....	.....	2	.....	5	4	6	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	27
1	2	1	1	1	28	27	22	26	33	30	14	.....	.....	3	.....	.....	.....	.....	2	16	28
.....	.....	.....	.....	.....	.....	2	2	4	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	29
.....	.....	.....	4	.....	9	13	12	22	19	16	12	2	.....	1	.....	.....	1	.....	8	6	30
3	2	1	3	1	26	20	41	37	55	57	24	4	.....	2	.....	.....	.....	1	11	22	31
2	.....	1	.....	.....	4	12	15	14	18	15	7	1	1	1	1	2	.....	.....	5	4	32
19	10	5	5	11	121	164	190	207	275	280	130	14	1	10	11	5	4	20	57	166	33
10	13	4	5	5	50	46	67	71	72	76	19	3	1	9	.....	.....	.....	1	10	33	34
.....	.....	1	.....	.....	6	3	4	9	12	5	1	.....	.....	.....	.....	.....	.....	1	2	5	35
10	16	14	17	7	152	159	191	219	245	274	102	13	.....	12	3	3	3	4	52	118	36
1	3	.....	2	.....	18	10	21	4	9	8	1	.....	.....	1	2	1	.....	.....	1	1	37
1	.....	.....	1	.....	9	9	2	10	11	15	4	.....	.....	.....	.....	.....	1	.....	2	4	38
8	9	3	10	9	119	136	154	180	234	220	89	6	.....	11	7	2	4	7	62	145	39
.....	1	.....	1	.....	7	5	5	6	13	12	9	3	.....	1	.....	1	.....	2	3	9	40
3	4	1	4	2	40	56	55	58	56	41	11	2	.....	6	1	.....	1	1	14	13	41
.....	1	.....	2	2	12	16	10	11	10	8	1	.....	.....	1	1	.....	.....	.....	2	6	42
8	9	6	10	3	130	114	110	90	116	98	24	7	1	19	29	4	3	3	17	52	43
11	8	7	9	6	76	75	84	85	80	74	24	3	.....	19	2	2	.....	1	14	27	44
.....	.....	1	.....	.....	7	8	10	14	13	9	3	.....	.....	.....	1	1	.....	.....	4	.....	45
2	.....	.....	2	.....	10	13	10	19	32	29	22	2	.....	.....	1	1	.....	.....	9	15	46
3	3	2	9	4	54	56	66	49	76	70	24	5	1	9	4	4	2	1	13	30	47
.....	.....	.....	1	.....	5	5	7	12	7	3	5	2	.....	2	.....	.....	1	.....	1	1	48
8	4	3	3	1	45	37	46	34	39	43	18	1	.....	5	2	3	.....	.....	4	19	49
1	4	2	7	5	36	67	67	54	85	84	26	6	.....	9	2	4	1	.....	18	33	50
.....	.....	.....	.....	.....	1	.....	.....	2	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	51

TABLE 7.—THE BLIND, BY DEGREE OF BLINDNESS, SEX, MARITAL CONDITION, AND PERIOD OF LIFE AND AGE BLINDNESS OCCURRED, FOR CONTINENTAL UNITED STATES: 1900.

DEGREE OF BLINDNESS, SEX, AND MARITAL CONDITION.	Total.	PERIOD OF LIFE WHEN BLINDNESS OCCURRED.			AGE WHEN BLINDNESS OCCURRED.										
					Under 20							20 and over.			
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	Under 1	1 to 4	5 to 9	10 to 14	15 to 19	Not stated.	20 to 39	40 to 59	60 to 79	80 and over
The blind:															
Aggregate	64,763	20,704	41,200	2,859	4,750	2,639	3,403	3,790	2,858	2,594	890	10,970	12,491	13,793	3,01
Single	22,120	16,082	5,318	720	4,162	2,401	2,688	2,828	1,926	1,321	756	2,746	1,384	951	14
Married	24,559	3,346	20,122	1,091	408	182	505	698	636	825	92	6,200	7,107	5,845	68
Widowed	17,333	1,110	15,240	983	122	45	186	232	266	223	36	1,827	3,837	6,878	2,15
Divorced	379	57	300	22	10	4	7	10	12	12	2	135	106	48	
Unknown	372	109	220	43	28	7	17	22	18	13	4	62	57	71	1
Males	37,054	11,486	23,998	1,570	2,689	1,411	1,873	2,047	1,575	1,455	436	7,493	7,352	7,378	1,35
Single	12,686	8,839	3,404	443	2,325	1,271	1,476	1,519	1,082	784	382	1,971	882	451	6
Married	17,284	2,118	14,449	717	285	118	320	418	376	556	45	4,485	4,865	4,340	55
Widowed	6,595	431	5,786	378	56	15	64	90	101	97	8	899	1,483	2,513	72
Divorced	267	37	217	13	8	4	6	6	6	7	.....	97	82	29	
Unknown	222	61	142	19	15	3	7	14	10	11	1	41	40	45	1
Females	27,709	9,218	17,202	1,289	2,041	1,228	1,530	1,743	1,283	939	454	3,477	5,139	6,415	1,65
Single	9,434	7,243	1,914	277	1,837	1,130	1,212	1,309	844	537	374	775	502	500	8
Married	7,275	1,228	5,673	374	123	64	185	280	260	269	47	1,715	2,242	1,505	13
Widowed	10,738	679	9,454	605	66	30	122	142	165	126	28	928	2,354	4,365	1,43
Divorced	112	20	83	9	2	.....	1	4	6	5	2	38	24	19	2
Unknown	150	48	78	24	13	4	10	8	8	2	3	21	17	26	7
The totally blind—															
Total	35,645	11,500	22,969	1,176	2,317	1,618	1,883	2,219	1,685	1,423	355	6,104	7,154	7,821	1,697
Single	13,122	9,266	3,480	376	2,111	1,478	1,525	1,723	1,218	900	311	1,856	926	581	92
Married	12,459	1,553	10,543	363	146	99	249	346	314	372	27	3,090	3,823	3,200	378
Widowed	9,609	585	8,618	406	45	34	93	133	135	132	13	1,032	2,295	3,969	1,213
Divorced	225	30	187	8	4	3	3	4	7	8	1	83	67	30	5
Unknown	220	66	141	23	11	4	13	13	11	11	3	43	43	41	9
Males	20,144	6,410	13,101	633	1,302	871	1,034	1,214	953	867	169	4,162	4,134	3,989	728
Single	7,522	5,079	2,211	232	1,161	783	829	926	689	541	150	1,298	590	271	43
Married	8,766	1,038	7,495	233	107	70	167	224	204	250	16	2,265	2,592	2,298	301
Widowed	3,556	238	3,167	151	27	13	30	52	52	62	2	507	867	1,380	377
Divorced	163	20	137	6	3	3	3	3	3	5	.....	63	54	15	3
Unknown	137	35	91	11	4	2	5	9	5	9	1	29	31	25	4
Females	15,501	5,090	9,868	543	1,015	747	849	1,005	732	556	186	1,942	3,020	3,832	969
Single	5,600	4,187	1,269	144	950	695	696	797	529	359	161	558	336	310	49
Married	3,693	515	3,048	130	39	29	82	122	110	122	11	825	1,231	902	77
Widowed	6,053	347	5,451	255	18	21	63	81	83	70	11	525	1,428	2,589	836
Divorced	62	10	50	2	1	.....	.....	1	4	3	1	20	13	15	2
Unknown	93	31	50	12	7	2	8	4	6	2	2	14	12	16	5
The partially blind—															
Total	29,118	9,204	18,231	1,683	2,413	1,021	1,520	1,571	1,173	971	535	4,866	5,337	5,972	1,314
Single	8,998	6,816	1,838	344	2,051	923	1,163	1,105	708	421	445	890	458	370	51
Married	12,100	1,793	9,579	728	262	83	256	352	322	453	65	3,110	3,284	2,645	309
Widowed	7,724	525	6,622	577	77	11	93	99	131	91	23	795	1,542	2,909	943
Divorced	154	27	113	14	6	1	4	6	5	4	1	52	39	18	3
Unknown	142	43	79	20	17	3	4	9	7	2	1	19	14	30	8
Males	16,910	5,076	10,897	937	1,387	540	839	833	622	588	267	3,331	3,218	3,389	625
Single	5,164	3,760	1,193	211	1,164	488	647	593	393	243	232	673	292	180	17
Married	8,518	1,080	6,954	484	178	48	153	194	172	306	29	2,220	2,273	2,042	253
Widowed	3,039	193	2,619	227	29	2	34	38	49	35	6	392	616	1,133	346
Divorced	104	17	80	7	5	1	3	3	3	2	.....	34	28	14	3
Unknown	85	26	51	8	11	1	2	5	5	2	.....	12	9	20	6
Females	12,208	4,128	7,334	746	1,026	481	681	738	551	383	268	1,535	2,119	2,583	689
Single	3,834	3,056	645	133	887	435	516	512	315	178	213	217	166	190	34
Married	3,582	713	2,625	244	84	35	103	158	150	147	36	890	1,011	603	56
Widowed	4,685	332	4,003	350	48	9	59	61	82	56	17	403	926	1,776	597
Divorced	50	10	33	7	1	.....	1	3	2	2	1	18	11	4	.....
Unknown	57	17	28	12	6	2	2	4	2	.....	1	7	5	10	2

TABLE 8.—THE BLIND, BY DEGREE AND CAUSES OF BLINDNESS,

	DEGREE AND CAUSE OF BLINDNESS.	ALL CLASSES.			WHITE.			
		Aggregate.	Male.	Female.	Aggregate.			Native
					Total.	Male.	Female.	Male.
1	The totally blind	35,645	20,144	15,501	30,359	17,207	13,152	13,278
2	Opacity of eye	18,384	10,281	8,103	15,898	8,903	6,995	6,755
3	Causes affecting the cornea	5,853	2,993	2,860	5,120	2,597	2,523	2,162
4	Granulated lids	357	190	167	341	177	164	155
5	Catarrh	239	108	131	214	98	116	81
6	Colds	499	225	274	470	211	259	141
7	Measles	663	357	306	607	328	279	298
8	Scarlet fever	451	226	225	441	222	219	197
9	Scrofula	465	191	274	340	134	206	131
10	Smallpox	333	206	127	296	184	112	132
11	[illegible]	2,102	1,089	1,013	1,745	881	864	758
12	[illegible]	744	401	343	666	362	304	269
13	Causes affecting the iris	764	469	295	616	372	244	303
14	Venereal diseases	151	110	41	93	62	31	55
15	Exposure to heat and cold	238	145	93	179	114	65	86
16	Other causes affecting iris	375	214	161	344	196	148	162
17	Causes affecting the lens	5,380	2,486	2,894	4,523	2,133	2,390	1,497
18	Cataract	3,952	1,971	1,981	3,554	1,776	1,778	1,277
19	Old age	1,428	515	913	969	357	612	220
20	Other causes producing opacity of lens	.....	.....	.....	.....	.....	.....	.....
21	Other causes producing opacity of eye	6,387	4,333	2,054	5,639	3,801	1,838	2,793
22	Neuralgia	1,152	360	792	1,028	310	718	273
23	Glaucoma	704	266	438	685	256	429	174
24	Injuries, accidents, and operations	4,462	3,671	791	3,863	3,200	663	2,316
25	All other causes producing opacity of eye	69	36	33	63	35	28	30
26	Nervous apparatus affected	4,953	2,827	2,126	4,464	2,548	1,916	2,023
27	Strained eyes	661	380	281	533	308	225	212
28	[illegible]	533	253	280	468	216	252	203
29	[illegible]	345	184	161	316	168	148	146
30	[illegible]	3,414	2,010	1,404	3,147	1,856	1,291	1,462
31	Unclassified	7,947	4,784	3,163	6,641	4,037	2,604	3,346
32	Congenital	2,316	1,302	1,014	1,992	1,102	890	1,050
33	Military service	1,170	1,155	15	1,065	1,051	14	878
34	Grip	474	191	283	429	170	259	136
35	Different causes for each eye	183	139	44	162	121	41	99
36	Other causes unclassified	3,804	1,997	1,807	2,993	1,593	1,400	1,183
37	Unknown	4,361	2,252	2,109	3,356	1,719	1,637	1,154
38	The partially blind	29,118	16,910	12,208	26,176	15,335	10,841	12,753
39	Opacity of eye	15,546	8,773	6,773	14,109	8,037	6,072	6,646
40	Causes affecting the cornea	5,527	2,932	2,595	5,091	2,722	2,369	2,463
41	Granulated lids	811	465	346	796	457	339	425
42	Catarrh	292	173	119	266	163	103	154
43	Colds	317	175	142	293	162	131	117
44	Measles	788	432	356	738	406	332	383
45	Scarlet fever	171	92	79	169	92	77	83
46	Scrofula	700	273	427	605	242	363	237
47	Smallpox	135	83	52	119	74	45	62
48	Sore eyes	1,633	851	782	1,486	771	715	693
49	Other causes producing opacity of cornea	680	388	292	619	355	264	309
50	Causes affecting the iris	543	351	192	472	306	166	236
51	Venereal diseases	72	53	19	51	37	14	26
52	Exposure to heat and cold	231	160	71	198	140	58	106
53	Other causes affecting iris	240	138	102	223	129	94	104
54	Causes affecting the lens	6,389	3,341	3,048	5,812	3,085	2,727	2,414
55	Cataract	3,913	2,212	1,701	3,634	2,081	1,553	1,632
56	Old age	2,476	1,129	1,347	2,178	1,004	1,174	782
57	Other causes producing opacity of lens	.....	.....	.....	.....	.....	.....	.....
58	Other causes producing opacity of eye	3,087	2,149	938	2,734	1,924	810	1,533
59	Neuralgia	607	254	353	548	229	319	208
60	Glaucoma	218	108	110	212	104	108	88
61	Injuries, accidents, and operations	2,226	1,769	457	1,939	1,574	365	1,222
62	All other causes producing opacity of eye	36	18	18	35	17	18	15
63	Nervous apparatus affected	2,991	1,705	1,286	2,784	1,594	1,190	1,316
64	Strained eyes	655	340	315	573	297	276	219
65	[illegible]	127	61	66	119	56	63	55
66	[illegible]	123	79	44	118	77	41	68
67	[illegible]	2,086	1,225	861	1,974	1,164	810	974
68	Unclassified	6,938	4,404	2,534	6,171	3,948	2,223	3,403
69	Congenital	2,412	1,387	1,025	2,189	1,255	934	1,180
70	Military service	1,223	1,215	8	1,144	1,136	8	963
71	Grip	297	146	151	278	140	138	116
72	Different causes for each eye	134	111	23	117	97	20	74
73	Other causes unclassified	2,872	1,545	1,327	2,443	1,320	1,123	1,070
74	Unknown	3,643	2,028	1,615	3,112	1,756	1,356	1,388

AND NATIVITY, AND SEX, FOR CONTINENTAL UNITED STATES: 1900.

WHITE—continued.				COLORED.									
Foreign born.		Unknown.		Aggregate.			Negro.		Indian.		Chinese and Japanese.		
Male.	Female.	Male.	Female.	Total.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	
3,825	2,686	104	108	5,286	2,937	2,349	2,728	2,153	206	190	3	6	1
2,102	1,446	46	53	2,486	1,378	1,108	1,274	1,011	103	97	1	.....	2
418	369	17	24	733	396	337	351	277	44	60	1	.....	3
21	25	1	1	16	13	3	6	3	7	.....	.....	.....	4
17	13	.....	2	25	10	15	10	15	.....	.....	.....	.....	5
67	93	3	.....	29	14	15	13	13	1	2	.....	.....	6
29	31	1	3	56	29	27	27	26	2	1	.....	.....	7
24	22	1	2	10	4	6	4	6	.....	.....	.....	.....	8
3	10	.....	1	125	57	68	55	64	1	4	1	.....	9
50	30	2	1	37	22	15	19	6	3	9	.....	.....	10
117	102	6	9	357	208	149	182	115	26	34	.....	.....	11
90	43	3	5	78	39	39	35	29	4	10	.....	.....	12
65	39	4	1	148	97	51	88	47	9	4	.....	.....	13
6	5	1	.....	58	48	10	40	6	8	4	.....	.....	14
26	10	2	.....	59	31	28	30	28	1	.....	.....	.....	15
33	24	1	1	31	18	13	18	13	.....	.....	.....	.....	16
630	725	6	20	857	353	504	326	482	27	22	.....	.....	17
494	527	5	15	398	195	203	192	200	3	3	.....	.....	18
136	198	1	5	459	158	301	134	282	24	19	.....	.....	19
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	20
989	313	19	8	748	532	216	509	205	23	11	.....	.....	21
36	64	1	3	124	50	74	47	73	3	1	.....	.....	22
80	89	2	.....	19	10	9	10	9	.....	.....	.....	.....	23
808	155	16	5	599	471	128	451	118	20	10	.....	.....	24
5	5	.....	.....	6	1	5	1	5	.....	.....	.....	.....	25
504	323	21	9	489	279	210	272	204	7	5	.....	1	26
94	47	2	2	128	72	56	71	56	1	.....	.....	.....	27
10	11	3	2	65	37	28	37	28	.....	.....	.....	.....	28
20	30	2	3	29	16	13	16	12	.....	1	.....	.....	29
380	235	14	2	267	154	113	148	108	6	4	.....	1	30
676	446	15	19	1,306	747	559	691	513	54	45	2	1	31
49	46	3	9	324	200	124	195	120	5	4	.....	.....	32
170	2	3	.....	105	104	1	102	1	2	.....	.....	.....	33
32	60	2	1	45	21	24	21	24	.....	.....	.....	.....	34
22	9	.....	1	21	18	3	17	3	1	.....	.....	.....	35
403	329	7	8	811	404	407	356	365	46	41	2	1	36
543	471	22	27	1,005	533	472	491	425	42	43	.....	4	37
2,505	1,678	77	73	2,942	1,575	1,367	1,466	1,299	105	67	4	1	38
1,350	967	41	32	1,437	736	701	668	653	65	47	3	1	39
242	212	17	12	436	210	226	177	197	32	29	1	.....	40
29	31	3	.....	15	8	7	5	4	3	3	.....	.....	41
9	11	.....	.....	26	10	16	10	16	.....	.....	.....	.....	42
43	40	2	1	24	13	11	13	11	.....	.....	.....	.....	43
23	18	.....	1	50	26	24	24	24	2	.....	.....	.....	44
9	7	.....	1	2	.....	2	.....	2	.....	.....	.....	.....	45
5	1	.....	1	95	31	64	29	60	2	4	.....	.....	46
[illegible]	15	1	.....	16	9	7	8	7	1	.....	.....	.....	47
[illegible]	48	5	8	147	80	67	61	49	19	18	.....	.....	48
40	41	6	.....	61	33	28	27	24	5	4	1	.....	49
67	15	3	1	71	45	26	41	25	3	1	1	.....	50
10	1	1	.....	21	16	5	14	4	1	1	1	.....	51
33	6	1	.....	33	20	13	18	13	2	.....	.....	.....	52
24	8	1	1	17	9	8	9	8	.....	.....	.....	.....	53
658	621	13	11	577	256	321	243	308	12	12	1	1	54
437	361	12	8	279	131	148	125	144	5	4	1	.....	55
221	260	1	3	298	125	173	118	164	7	8	.....	1	56
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	57
383	119	8	8	353	225	128	207	123	18	5	.....	.....	58
20	20	1	4	59	25	34	21	34	4	.....	.....	.....	59
16	25	.....	1	6	4	2	3	1	1	1	.....	.....	60
345	72	7	3	287	195	92	182	88	13	4	.....	.....	61
2	2	.....	.....	1	1	.....	1	.....	.....	.....	.....	.....	62
270	155	8	6	207	111	96	110	96	1	.....	.....	.....	63
76	54	2	1	82	43	39	43	39	.....	.....	.....	.....	64
.....	1	1	1	8	5	3	5	3	.....	.....	.....	.....	65
8	6	1	.....	5	2	3	2	3	.....	.....	.....	.....	66
186	94	4	4	112	61	51	60	51	1	.....	.....	.....	67
522	267	23	17	767	456	311	431	303	25	8	.....	.....	68
60	55	15	12	223	132	91	127	90	5	1	.....	.....	69
170	.....	3	.....	79	79	.....	75	.....	4	.....	.....	.....	70
23	20	1	1	19	6	13	6	13	.....	.....	.....	.....	71
22	4	1	.....	17	14	3	14	3	.....	.....	.....	.....	72
247	188	3	4	429	225	204	209	197	16	7	.....	.....	73
363	289	5	18	531	272	259	257	247	14	12	1	.....	74

TABLE 9.—THE BLIND, BY DEGREE AND CAUSE

	DEGREE AND CAUSE OF BLINDNESS.	Continental United States.	Alabama.	Arizona.	Arkansas.	California.	Colorado.	Connecticut.	Delaware.	District of Columbia.	Florida.	Georgia.	Idaho.	Illinois.	Indian Territory.	Indiana.	Iowa.	Kansas.	Kentucky.	Louisiana.	Maine.
1	The totally blind	35,645	1,055	44	762	697	190	452	76	129	223	1,138	68	1,990	134	1,511	1,017	704	1,353	689	386
2	Opacity of eye	18,384	559	29	438	343	95	233	26	52	111	535	40	1,036	85	779	558	390	740	306	183
3	Causes affecting the cornea	5,853	178	11	206	91	25	54	5	15	38	185	12	360	39	282	183	120	277	90	34
4	Granulated lids	357	5	....	10	6	....	....	....	....	....	6	1	32	7	32	21	15	21	3	....
5	Catarrh	239	14	....	12	3	2	3	....	2	2	5	1	13	....	14	10	5	18	4	....
6	Colds	499	4	1	3	17	5	2	3	2	6	5	2	35	....	13	16	4	14	13	4
7	Measles	663	24	....	22	4	2	5	....	1	....	18	....	52	2	44	21	21	37	8	7
8	Scarlet fever	451	5	1	5	7	....	8	1	5	2	6	1	27	....	15	14	7	10	....	4
9	Scrofula	465	8	....	19	1	1	3	....	....	....	12	....	35	2	45	9	9	56	4	5
10	Smallpox	333	5	2	10	4	6	3	....	4	....	3	....	21	2	5	10	4	3	2	....
11	Sore eyes	2,102	99	6	119	25	6	10	1	1	23	114	5	107	24	85	54	37	92	40	7
12	Other causes producing opacity of cornea.	744	14	1	6	24	3	20	....	....	5	16	2	38	2	29	28	18	26	16	7
13	Causes affecting the iris	764	33	....	25	11	4	9	1	4	6	30	....	40	2	29	14	16	39	10	12
14	Venereal diseases	151	13	....	4	4	2	1	....	1	1	12	....	5	....	3	3	....	6	3	....
15	Exposure to heat and cold	238	13	....	13	4	1	2	1	....	5	5	....	12	1	10	4	8	22	3	....
16	Other causes affecting iris	375	7	....	8	3	1	6	....	3	....	13	....	23	1	16	7	8	11	4	12
17	Causes affecting the lens	5,380	164	11	68	92	20	85	8	15	43	143	14	241	10	227	181	128	166	109	70
18	Cataract	3,952	94	8	39	78	16	70	5	10	24	78	4	173	9	183	134	95	106	42	55
19	Old age	1,428	70	3	29	14	4	15	3	5	19	65	10	68	1	44	47	33	60	67	15
20	Other causes producing opacity of lens.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
21	Other causes producing opacity of eye.	6,387	184	7	139	149	46	85	12	18	24	177	14	395	34	241	180	126	258	97	67
22	[illegible]	1,152	67	....	76	18	2	4	4	....	8	40	1	74	20	51	29	21	86	15	4
23	[illegible]	704	5	....	4	15	4	20	1	2	1	14	....	36	1	22	17	10	19	8	13
24	[illegible]	4,462	111	7	56	115	40	59	7	16	15	120	13	278	13	164	131	95	151	74	49
25	[illegible] of eye.	69	1	....	3	1	....	2	....	....	....	3	....	7	....	4	3	....	2	....	1
26	Nervous apparatus affected	4,953	108	1	70	131	33	86	12	23	24	130	6	333	13	208	125	102	148	75	60
27	Strained eyes	661	24	....	8	17	1	12	3	3	8	18	....	18	1	15	10	14	26	19	11
28	[illegible]	533	27	1	13	15	4	11	1	2	5	27	3	38	2	26	7	8	15	6	....
29	[illegible]	345	3	....	1	3	1	3	1	2	1	1	....	19	3	19	12	3	13	6	1
30	[illegible]	3,414	54	....	48	96	27	60	7	16	10	84	3	258	7	148	96	77	94	44	48
31	Unclassified	7,947	240	8	174	145	46	89	22	26	58	291	15	427	26	387	230	134	299	192	94
32	Congenital	2,316	78	3	57	31	18	21	6	2	15	100	5	120	10	105	53	28	102	53	23
33	Military service	1,170	20	....	26	8	5	9	2	7	1	25	....	65	3	98	46	55	38	24	11
34	Grip	474	11	....	6	5	....	10	1	....	3	8	....	23	....	43	22	9	18	7	7
35	Different causes for each eye	183	10	....	11	11	1	5	1	....	3	7	....	12	....	6	4	7	5	6	3
36	Other causes unclassified	3,804	121	5	74	90	22	44	12	17	36	151	10	207	13	135	105	35	136	102	50
37	Unknown	4,361	148	6	80	78	16	44	16	28	30	182	7	194	10	137	104	78	166	116	49
38	The partially blind	29,118	736	25	825	499	105	295	66	73	171	896	43	1,777	127	1,476	997	696	1,427	382	338
39	Opacity of eye	15,546	403	16	497	272	53	141	34	27	94	410	27	975	84	785	576	382	845	176	164
40	Causes affecting the cornea	5,527	123	7	304	57	13	23	10	5	22	151	9	404	51	353	228	144	458	59	27
41	Granulated lids	811	13	1	44	6	3	4	1	....	....	7	....	67	10	61	48	47	65	4	3
42	Catarrh	292	13	....	13	....	....	1	....	....	1	16	....	14	1	17	16	7	18	4	2
43	Colds	317	5	....	1	9	1	....	....	....	....	10	....	25	2	17	11	4	20	6	4
44	Measles	788	11	2	33	7	3	3	1	1	3	18	....	85	10	57	47	25	49	7	5
45	Scarlet fever	171	1	....	3	3	1	2	1	....	....	3	1	11	....	7	3	1	5	....	3
46	Scrofula	700	16	1	51	1	....	1	1	....	....	14	....	59	7	69	15	12	102	1	2
47	Smallpox	135	2	1	10	2	....	....	....	....	....	4	....	11	1	9	4	1	8	4	....
48	Sore eyes	1,633	51	2	137	19	3	6	3	2	13	61	4	87	18	68	55	32	143	20	3
49	Other causes producing opacity of cornea.	680	11	....	12	10	2	6	3	2	5	18	4	45	2	48	29	15	48	13	5
50	Causes affecting the iris	543	29	....	29	8	3	2	2	1	5	20	2	28	5	18	12	12	38	4	6
51	Venereal diseases	72	10	....	9	2	1	....	....	....	1	1	1	3	....	2	1	....	2	1	....
52	Exposure to heat and cold	231	16	....	13	2	1	1	....	....	3	7	1	10	5	6	4	7	29	2	....
53	Other causes affecting iris	240	3	....	7	4	1	1	2	1	1	12	....	15	....	10	7	5	7	1	6
54	Causes affecting the lens	6,389	162	5	63	135	19	85	11	18	50	156	13	359	12	302	221	146	205	81	92
55	Cataract	3,913	77	3	33	86	15	50	6	8	22	84	4	226	8	189	134	92	111	39	61
56	Old age	2,476	85	2	30	49	4	35	5	10	28	72	9	133	4	113	87	54	94	42	31
57	Other causes producing opacity of lens.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
58	Other causes producing opacity of eye.	3,087	89	4	101	72	18	31	11	3	17	83	3	184	16	112	115	80	144	32	39
59	Neuralgia	607	43	....	50	7	1	1	1	....	6	15	....	48	7	22	21	14	49	6	1
60	Glaucoma	218	2	....	1	7	3	3	1	1	....	4	....	7	....	4	10	5	9	2	5
61	Injuries, accidents, and operations	2,226	42	4	49	58	14	27	9	2	11	62	3	129	9	84	82	59	84	23	33
62	All other causes producing opacity of eye.	36	2	....	1	....	....	....	....	....	....	2	....	....	....	2	2	2	2	1	....
63	Nervous apparatus affected	2,991	55	1	56	72	9	38	5	9	20	68	4	191	5	154	105	71	85	42	46
64	Strained eyes	655	15	....	7	7	2	7	2	4	5	9	1	32	2	19	17	18	21	12	21
65	[illegible]	127	2	....	7	3	1	3	....	....	....	9	....	7	....	2	1	2	....	....	....
66	[illegible]	123	2	....	....	1	....	....	....	....	....	....	....	5	....	9	5	3	4	4	....
67	[illegible]	2,086	36	1	42	61	6	28	3	5	15	50	3	147	3	124	82	48	60	26	25
68	Unclassified	6,938	189	7	178	105	27	83	15	18	35	286	9	411	27	356	212	178	314	98	85
69	Congenital	2,412	87	2	60	41	9	30	4	4	11	131	2	121	6	97	57	40	136	35	21
70	Military service	1,223	22	1	27	7	2	12	2	7	2	25	2	80	6	93	47	76	34	9	19
71	Grip	297	5	....	5	9	3	9	....	1	1	4	....	16	1	18	11	9	8	....	11
72	Different causes for each eye	134	4	....	5	1	3	1	....	....	1	7	....	11	1	8	3	2	3	3	2
73	Other causes unclassified	2,872	71	4	81	47	10	31	9	6	20	119	5	183	13	140	94	51	133	51	32
74	Unknown	3,643	89	1	94	50	16	33	12	19	22	132	3	200	11	181	104	65	183	66	43

BLINDNESS, FOR STATES AND TERRITORIES: 1900.

Massachusetts.	Michigan.	Minnesota.	Mississippi.	Missouri.	Montana.	Nebraska.	Nevada.	New Hampshire.	New Jersey.	New Mexico.	New York.	North Carolina.	North Dakota.	Ohio.	Oklahoma.	Oregon.	Pennsylvania.	Rhode Island.	South Carolina.	South Dakota.	Tennessee.	Texas.	Utah.	Vermont.	Virginia.	Washington.	West Virginia.	Wisconsin.	Wyoming.	
1,260	1,049	526	678	1,678	69	361	44	262	612	310	3,287	992	94	2,452	117	150	2,569	182	617	161	1,170	1,176	118	247	886	117	453	817	13	1
662	600	243	377	928	41	187	18	132	321	154	1,746	388	41	1,206	70	83	1,367	79	302	79	577	664	67	146	364	81	239	393	7	2
163	192	82	113	365	11	62	4	27	72	76	485	94	13	376	24	28	345	21	91	33	214	282	19	33	103	28	81	124	4	3
3	10	2	6	43	....	7	1	....	....	....	14	1	1	38	6	3	6	2	....	1	13	22	....	1	1	6	3	7	....	4
6	6	3	4	10	....	2	....	....	3	....	13	9	....	17	1	2	12	....	5	....	7	11	1	1	5	2	5	4	....	5
16	20	15	6	24	1	6	....	2	13	8	72	5	2	41	....	1	47	1	10	1	6	5	1	....	8	3	5	22	....	6
21	22	8	13	48	....	7	....	....	3	2	48	8	1	56	1	2	32	1	9	4	26	26	4	2	12	1	17	10	....	7
24	16	6	2	18	1	5	....	4	11	1	78	2	1	26	1	2	61	2	3	1	17	15	4	5	8	2	5	10	....	8
5	8	4	18	34	....	1	....	4	1	3	10	15	....	35	3	2	11	1	3	1	43	11	1	4	19	1	8	4	....	9
8	6	3	3	13	1	4	....	1	9	55	32	2	2	14	1	....	26	2	3	3	6	34	1	1	3	....	2	7	....	10
47	86	30	50	128	6	24	2	11	17	7	173	43	6	103	11	14	77	8	51	19	70	129	4	13	28	9	24	43	4	11
33	18	11	11	47	2	6	1	5	15	....	45	9	....	46	....	2	73	4	7	3	26	29	3	6	19	4	12	17	....	12
37	30	9	14	34	2	6	8	2	10	7	61	22	3	47	7	....	45	5	12	3	44	16	1	5	19	2	12	10	....	13
6	5	1	5	11	1	....	8	....	3	1	4	5	....	8	2	....	5	2	3	....	9	6	....	....	3	....	1	3	....	14
....	7	3	7	10	1	3	....	....	2	5	13	11	1	11	2	....	6	....	6	2	20	6	1	....	6	1	5	5	....	15
31	18	5	2	13	....	3	....	2	5	1	44	6	2	28	3	....	34	3	3	1	15	4	....	5	10	1	6	2	....	16
203	177	78	112	240	7	54	2	53	108	37	601	133	9	388	17	22	447	22	109	10	129	135	21	65	113	19	66	127	....	17
177	143	50	53	180	5	41	1	45	91	5	505	77	4	313	12	12	384	17	53	5	96	88	13	56	82	12	51	96	....	18
26	34	28	59	60	2	13	1	8	17	32	96	56	5	75	5	10	63	5	56	5	33	47	8	9	31	7	15	31	....	19
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	20
259	201	74	138	289	21	65	4	50	131	34	599	139	16	395	22	33	530	31	90	33	190	231	26	43	129	32	80	132	3	21
13	13	5	45	98	....	9	....	6	6	2	29	47	1	52	6	6	32	3	18	3	75	96	3	....	26	1	15	6	....	22
73	25	7	....	16	....	5	1	4	21	....	110	14	....	66	....	1	72	8	3	....	8	16	2	8	9	4	6	12	....	23
172	162	61	90	173	21	49	3	38	103	31	458	74	15	272	16	23	420	20	68	30	105	118	21	34	91	27	59	114	3	24
1	1	1	3	2	....	2	....	2	1	1	2	4	....	5	....	3	6	....	1	....	2	1	....	1	3	....	....	....	....	25
221	154	77	61	215	10	49	2	63	104	6	565	90	10	391	13	21	409	41	52	18	135	129	17	32	115	13	66	113	....	26
25	22	9	18	21	1	2	....	14	14	2	64	15	3	53	1	4	58	4	14	1	17	12	3	8	26	2	12	20	....	27
28	12	8	6	35	1	....	....	2	16	....	67	9	....	32	1	1	22	3	5	2	28	26	1	....	6	....	1	4	....	28
11	14	9	2	16	1	2	....	2	10	....	48	11	1	29	....	1	33	4	1	1	14	10	1	....	13	....	5	11	....	29
157	106	51	35	143	7	45	2	45	64	4	386	55	6	277	11	15	296	30	32	14	76	81	12	24	70	11	48	78	....	30
235	203	114	158	373	10	84	5	49	118	92	539	327	19	552	29	34	547	43	155	43	323	257	22	42	240	14	92	191	4	31
63	53	30	59	83	2	27	....	17	30	23	158	150	6	140	9	4	153	16	54	10	92	68	3	8	82	1	34	62	....	32
31	27	13	15	97	....	10	....	7	13	1	58	30	....	129	7	6	71	6	11	1	65	16	....	11	31	5	16	31	2	33
26	17	7	6	16	....	6	....	3	11	....	37	8	1	41	2	1	52	1	4	3	19	7	....	1	9	....	4	7	....	34
3	4	2	....	8	....	1	....	1	3	....	7	3	....	14	1	....	12	....	1	1	6	11	....	2	3	....	1	6	....	35
112	102	62	78	169	8	40	5	21	61	68	279	136	12	228	10	23	259	20	85	28	141	155	19	20	115	8	37	85	2	36
142	92	92	82	162	8	41	19	18	69	58	437	187	24	303	5	12	246	19	108	21	135	126	12	27	167	9	56	120	2	37
957	897	361	572	1,647	30	279	12	155	392	140	2,199	796	74	2,014	133	99	1,872	103	485	119	1,230	919	89	209	703	93	472	683	7	38
493	500	175	290	979	18	152	10	88	194	72	1,197	326	39	1,107	82	64	1,000	56	214	64	656	501	52	114	322	46	267	339	4	39
96	162	56	87	495	3	52	1	18	36	26	277	88	19	301	50	30	221	9	61	31	335	228	14	24	86	22	111	104	2	40
5	21	7	8	112	1	14	....	1	1	1	22	....	3	48	14	5	19	....	2	3	50	48	3	1	3	3	14	18	....	41
1	12	1	5	13	....	3	....	2	2	....	8	9	....	23	3	1	13	1	8	....	21	12	1	1	7	3	7	9	....	42
11	9	4	2	15	1	4	....	4	6	4	32	8	2	16	2	3	23	1	7	1	9	5	....	....	6	....	12	11	....	43
10	31	9	10	76	....	4	....	3	7	....	35	19	....	57	4	5	23	1	10	3	43	25	1	3	7	3	16	12	1	44
14	10	2	1	5	....	1	....	1	5	1	24	4	1	8	1	1	29	3	....	....	3	2	....	....	4	....	1	2	....	45
5	7	2	16	77	....	2	....	....	1	....	14	17	....	34	6	2	9	....	8	6	72	13	1	2	25	3	17	5	....	46
3	....	1	4	7	....	1	....	1	1	11	8	....	....	9	....	1	13	....	....	1	4	3	....	1	2	....	1	4	....	47
15	55	23	38	161	....	22	1	2	8	8	90	27	11	68	16	11	44	1	18	14	73	101	5	12	17	5	23	26	....	48
32	17	7	3	29	1	1	....	4	5	1	44	4	2	38	4	1	48	2	8	3	60	19	3	4	15	5	20	17	1	49
12	23	5	9	37	....	1	1	....	6	5	49	9	3	47	3	1	25	4	14	....	20	11	2	2	10	....	8	8	....	50
2	4	....	....	5	....	....	....	....	2	....	8	....	....	3	....	....	3	1	....	....	3	4	....	....	2	....	....	....	....	51
....	8	3	4	20	....	....	1	....	2	5	12	4	3	16	2	....	2	1	12	....	10	5	2	....	4	....	3	5	....	52
10	11	2	5	12	....	1	....	....	2	....	29	5	....	28	1	1	20	2	2	....	7	2	....	2	4	....	5	3	....	53
283	218	63	108	255	6	56	4	53	112	27	671	163	12	586	16	23	557	34	99	13	165	132	27	71	158	18	88	162	1	54
184	149	41	60	154	6	33	3	35	75	3	441	86	8	382	11	9	394	15	45	6	84	70	19	46	96	10	51	101	1	55
99	69	22	48	101	....	23	1	18	37	24	230	77	4	204	5	14	163	19	54	7	81	62	8	25	62	8	37	61	....	56
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	57
102	97	51	86	192	9	43	4	17	40	14	200	66	5	173	13	10	197	9	40	20	136	130	9	17	68	6	60	65	1	58
6	7	1	26	76	....	4	....	2	2	1	6	9	....	16	4	1	14	....	5	2	51	56	....	1	10	1	6	4	....	59
18	6	3	1	6	....	2	....	....	10	....	32	4	1	17	1	2	18	2	2	1	4	8	....	....	3	....	3	7	....	60
77	83	46	59	107	9	36	4	15	26	13	158	51	4	137	8	7	164	7	31	17	81	66	9	13	58	5	51	54	1	61
1	1	1	....	3	....	1	....	....	2	....	4	2	....	3	....	....	1	....	2	....	....	....	....	....	....	....	....	....	....	62
145	116	44	33	148	3	33	....	24	48	8	260	59	7	220	9	12	227	11	46	9	113	74	13	29	71	16	46	83	2	63
32	20	16	9	39	2	6	....	6	9	2	57	23	2	54	1	1	50	....	17	2	26	12	3	9	18	1	11	17	....	64
9	7	1	3	5	....	....	....	....	2	1	14	....	....	12	2	1	4	1	1	....	10	9	....	....	3	1	1	1	....	65
6	1	5	....	3	....	....	....	....	3	....	20	2	2	10	....	1	5	....	3	....	3	6	....	1	4	....	4	8	....	66
98	88	22	21	101	1	27	....	18	34	5	169	34	3	144	6	9	168	10	25	7	74	47	10	19	46	14	30	57	2	67
212	182	96	151	363	6	69	1	29	82	35	420	278	11	441	35	15	412	23	138	34	323	252	14	46	196	21	126	157	....	68
68	60	44	50	79	1	24	....	9	27	7	143	138	5	116	15	4	149	9	46	15	121	103	4	14	89	15	48	52	....	69
27	36	7	25	116	1	15	....	3	12	....	61	19	1	127	5	3	65	1	14	5	65	24	....	8	28	2	30	35	....	70
13	12	3	4	12	1	4	....	2	4	1	24	6	....	24	2	2	22	2	1	1	9	9	....	4	6	....	4	5	....	71
10	3	....	....	10	....	2	1	1	....	....	7	....	....	15	....	1	9	....	....	1	3	3	1	5	3	....	....	2	....	72
94	71	42	72	146	3	24	....	14	39	27	185	115	5	159	13	5	167	11	77	12	125	113	9	15	70	4	44	63	....	73
107	99	46	98	157	3	25	1	14	68	25	322	133	17	246	7	8	233	13	87	12	138	92	10	20	114	10	33	104	1	74

TABLE 10.—THE BLIND, BY DEGREE AND CAUSES OF BLINDNESS AND PERIOD OF LIFE AND AGE WHEN BLIN NESS OCCURRED, FOR CONTINENTAL UNITED STATES: 1900.

DEGREE AND CAUSE OF BLINDNESS.	Total.	PERIOD OF LIFE WHEN BLINDNESS OCCURRED.			AGE WHEN BLINDNESS OCCURRED.											
					Under 20							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	Under 1	1 to 4	5 to 9	10 to 14	15 to 19	Not stated.	20 to 39	40 to 59	60 to 79	80 and over.	Not stated
The totally blind	35,645	11,500	22,969	1,176	2,317	1,618	1,883	2,219	1,685	1,423	355	6,104	7,154	7,821	1,097	1
Opacity of eye	18,384	5,259	12,753	372	.....	1,013	1,029	1,266	989	802	160	3,444	3,516	4,370	1,275	1
Causes affecting the cornea	5,853	3,051	2,695	107	.....	892	649	607	447	348	108	1,171	874	583	61	
Granulated lids	357	107	241	9	.....	10	11	27	28	28	3	109	73	53	5	
Catarrh	239	30	204	5	.....	3	5	4	9	7	2	30	59	104	11	.....
Colds	499	250	247	2	.....	125	25	32	28	28	12	87	94	59	7	.....
Measles	663	376	273	14	.....	41	131	87	58	50	9	139	95	38	1	.....
Scarlet fever	451	403	46	2	.....	26	155	145	50	20	7	26	14	5	.....	
Scrofula	465	271	187	7	.....	28	62	63	68	44	6	107	62	18	.....	.....
Smallpox	333	241	90	2	.....	24	82	69	35	28	3	54	25	10	1	.....
Sore eyes	2,102	1,001	1,065	36	.....	441	129	146	133	123	29	481	334	217	30	
Other causes producing opacity of cornea	744	372	342	30	.....	194	49	34	38	20	37	138	118	79	6	
Causes affecting the iris	764	106	640	18	.....	16	13	21	19	32	5	210	250	159	18	
Venereal diseases	151	31	117	3	.....	6	8	3	2	10	2	70	41	4	.....	
Exposure to heat and cold	238	23	208	7	.....	4	1	4	6	8	.....	53	83	64	8	.....
Other causes affecting iris	375	52	315	8	.....	6	4	14	11	14	3	87	126	91	10	
Causes affecting the lens	5,380	419	4,840	121	.....	49	83	106	91	78	12	337	793	2,483	1,094	13
Cataract	3,952	419	3,412	121	.....	49	83	106	91	78	12	337	793	1,877	389	1
Old age	1,428	.....	1,428	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	606	705	11
Other causes producing opacity of lens	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Other causes producing opacity of eye	6,387	1,683	4,578	126	.....	56	284	532	432	344	35	1,726	1,599	1,145	102	
Neuralgia	1,152	103	1,032	17	.....	4	12	26	28	32	1	272	418	310	30	
Glaucoma	704	38	652	14	.....	2	7	4	9	14	2	49	276	308	19	.....
Injuries, accidents, and operations	4,462	1,527	2,846	89	.....	48	258	501	392	298	30	1,401	891	502	48	
All other causes producing opacity of eye	69	15	48	6	.....	2	7	1	3	.....	2	4	14	25	5	.....
Nervous apparatus affected	4,953	1,666	3,181	106	.....	197	425	471	313	223	37	901	1,291	892	87	1
Strained eyes	661	48	593	20	.....	.....	3	5	15	23	2	116	229	214	31	
[illegible]	533	473	57	3	.....	41	146	165	76	36	9	38	15	4	.....	.....
[illegible]	345	234	100	11	.....	44	86	55	26	19	4	53	32	12	3	.....
[illegible]	3,414	911	2,431	72	.....	112	190	246	196	145	22	694	1,015	662	53	
Unclassified	7,947	3,629	4,193	125	2,317	263	264	283	202	254	46	1,233	1,486	1,309	148	1
Congenital	2,316	2,316	.....	.....	2,316	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Military service	1,170	46	1,093	31	.....	.....	.....	.....	4	42	.....	411	421	242	8	1
Grip	474	83	385	6	.....	4	21	34	14	7	3	39	113	196	37	.....
Different causes for each eye	183	47	134	2	.....	.....	6	20	10	10	1	36	41	49	8	.....
Other causes unclassified	3,804	1,137	2,581	86	1	259	237	229	174	195	42	747	911	822	95	6
Unknown	4,361	946	2,842	573	.....	145	165	199	181	144	112	526	861	1,250	187	18
The partially blind	29,118	9,204	18,231	1,683	2,413	1,021	1,520	1,571	1,173	971	535	4,866	5,337	5,972	1,314	742
Opacity of eye	15,546	4,062	10,889	595	1	600	929	978	744	551	259	2,542	2,728	3,870	1,071	678
Causes affecting the cornea	5,527	2,594	2,705	228	.....	462	580	609	444	306	184	1,267	912	478	36	12
Granulated lids	811	234	535	42	.....	19	44	57	52	42	20	259	196	76	2	2
Catarrh	292	43	237	12	.....	3	12	11	9	4	4	58	78	92	9	.....
Colds	317	140	169	8	.....	68	14	16	15	12	15	60	62	36	1	1
Measles	788	465	301	22	.....	34	119	127	91	80	14	182	88	27	2	2
Scarlet fever	171	140	25	6	.....	9	58	50	14	8	1	15	6	2	.....	2
Scrofula	700	454	224	22	.....	37	133	125	83	46	30	133	67	21	2	1
Smallpox	135	61	66	8	.....	5	16	19	8	12	1	40	12	14	.....	.....
Sore eyes	1,633	752	808	73	.....	203	141	159	129	75	45	367	290	137	13	1
Other causes producing opacity of cornea	680	305	340	35	.....	84	52	45	43	27	54	144	113	73	7	3
Causes affecting the iris	543	93	424	26	.....	9	13	20	25	18	8	160	174	81	7	2
Venereal diseases	72	22	44	6	.....	3	4	2	3	5	5	26	12	5	.....	1
Exposure to heat and cold	231	22	201	8	.....	3	2	6	3	7	1	75	83	36	6	1
Other causes affecting iris	240	49	179	12	.....	3	7	12	19	6	2	59	79	40	1	.....
Causes affecting the lens	6,389	523	5,633	233	1	90	144	101	93	62	32	327	850	2,808	986	662
Cataract	3,913	523	3,157	233	1	90	144	101	93	62	32	327	850	1,737	217	26
Old age	2,476	.....	2,476	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,071	769	636
Other causes producing opacity of lens	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Other causes producing opacity of eye	3,087	852	2,127	108	.....	39	183	248	182	165	35	788	792	503	42	2
Neuralgia	607	59	526	22	.....	1	11	12	14	20	1	165	222	124	15	.....
Glaucoma	218	19	178	21	.....	1	2	10	5	1	.....	23	82	69	3	1
Injuries, accidents, and operations	2,226	768	1,397	61	.....	35	170	225	162	142	34	597	479	297	23	1
All other causes producing opacity of eye	36	6	26	4	.....	2	.....	1	1	2	.....	3	9	13	1	.....
Nervous apparatus affected	[illegible]	[illegible]	[illegible]	[illegible]	.....	150	218	211	142	129	60	563	729	593	61	7
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.....	4	10	19	36	23	16	119	203	173	11	1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.....	24	33	28	13	10	1	14	1	1	.....	.....
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.....	19	31	23	5	4	1	13	7	18	1	.....
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.....	103	144	141	88	92	42	417	518	401	49	6
Unclassified	6,938	3,359	3,356	223	2,412	169	199	181	153	194	51	1,311	1,110	826	82	27
Congenital	2,412	2,412	.....	.....	2,412	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Military service	1,223	72	1,078	73	.....	.....	.....	.....	9	63	.....	637	293	119	8	21
Grip	297	48	238	11	.....	8	10	16	11	3	.....	18	67	133	20	.....
Different causes for each eye	134	31	96	7	.....	.....	8	11	8	3	1	18	44	29	5	.....
Other causes unclassified	2,872	796	1,944	132	.....	161	181	154	125	125	50	638	706	545	49	6
Unknown	3,643	873	2,033	737	.....	102	174	201	134	97	165	450	770	683	100	30

TABLE 11.—THE BLIND, BY DEGREE AND CAUSES OF BLINDNESS, CONSANGUINITY OF PARENTS, AND CLASSES OF BLIND RELATIVES, FOR CONTINENTAL UNITED STATES: 1900.

DEGREE AND CAUSE OF BLINDNESS.	Total.	PARENTS COUSINS.				PARENTS NOT COUSINS.				CONSANGUINITY OF PARENTS NOT STATED.			
		Blind brothers, sisters, or ancestors.	Collateral relatives, or descendants alone, blind.	No blind relatives, or relatives by marriage alone, blind.	Blind relatives not stated.	Blind brothers, sisters, or ancestors.	Collateral relatives, or descendants alone, blind.	No blind relatives, or relatives by marriage alone, blind.	Blind relatives not stated.	Blind brothers, sisters, or ancestors.	Collateral relatives, or descendants alone, blind.	No blind relatives, or relatives by marriage alone, blind.	Blind relatives not stated.
The totally blind	35,645	435	78	739	39	3,720	1,090	24,541	541	223	47	1,069	3,123
Opacity of eye	18,384	114	35	326	18	1,836	553	13,146	279	100	23	542	1,412
Causes affecting the cornea	5,853	45	15	153	7	523	194	4,381	62	20	7	109	337
Granulated lids	357	2	1	7	.....	34	13	262	5	.....	.....	6	27
Catarrh	239	5	.....	5	1	32	6	174	1	1	.....	3	11
Colds	499	1	1	17	.....	27	13	408	3	.....	1	8	20
Measles	663	7	4	24	.....	58	22	486	9	3	.....	13	37
Scarlet fever	451	3	2	13	1	20	8	364	2	1	.....	11	26
Scrofula	465	7	.....	17	2	69	23	308	6	5	1	3	24
Smallpox	333	.....	.....	4	.....	17	11	257	3	1	.....	12	28
Sore eyes	2,102	14	6	57	3	215	77	1,543	22	8	4	40	113
Other causes producing opacity of cornea	744	6	1	9	.....	51	21	579	11	1	1	13	51
Causes affecting the iris	764	4	2	14	.....	74	21	522	16	8	2	34	67
Venereal diseases	151	1	.....	2	.....	9	4	90	4	.....	.....	14	27
Exposure to heat and cold	238	1	.....	3	.....	23	6	165	5	6	1	12	16
Other causes affecting iris	375	2	2	9	.....	42	11	267	7	2	1	8	24
Causes affecting the lens	5,380	44	8	57	8	761	149	3,380	129	47	9	211	577
Cataract	3,952	39	8	50	5	594	123	2,568	75	35	7	120	328
Old age	1,428	5	.....	7	3	167	26	812	54	12	2	91	249
Other causes producing opacity of lens	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Other causes producing opacity of eye	6,387	21	10	102	3	478	189	4,863	72	25	5	188	431
Neuralgia	1,152	6	4	22	1	152	48	835	10	8	1	24	41
Glaucoma	704	4	.....	5	.....	114	39	480	5	5	.....	12	40
Injuries, accidents, and operations	4,462	11	6	73	2	207	101	3,493	57	12	4	151	345
All other causes producing opacity of eye	69	.....	.....	2	.....	5	1	55	.....	.....	.....	1	5
Nervous apparatus affected	4,953	51	9	95	4	498	177	3,626	54	24	4	101	310
[illegible]	661	8	2	10	1	89	34	433	6	11	1	25	41
[illegible]	533	.....	.....	8	.....	28	12	464	.....	.....	.....	5	16
[illegible]	345	1	.....	11	.....	14	13	266	4	.....	.....	5	31
[illegible]	3,414	42	7	66	3	367	118	2,463	44	13	3	66	222
Unclassified	7,947	210	25	232	15	898	255	5,414	101	54	10	217	516
Congenital	2,316	157	17	138	13	362	75	1,288	35	28	1	38	164
Military service	1,170	3	.....	12	.....	61	18	966	13	2	2	26	67
Grip	474	4	.....	4	.....	53	17	345	10	3	.....	7	31
Different causes for each eye	183	1	.....	.....	.....	27	8	133	1	.....	.....	5	8
Other causes unclassified	3,804	45	8	78	2	395	137	2,682	42	21	7	141	246
Unknown	4,361	60	9	86	2	488	105	2,355	107	45	10	209	885
The partially blind	29,118	409	71	717	39	3,675	1,005	18,827	581	167	47	866	2,714
Opacity of eye	15,546	130	31	329	17	1,934	540	10,190	319	69	26	483	1,478
Causes affecting the cornea	5,527	63	19	136	6	760	250	3,758	88	23	10	116	208
Granulated lids	811	5	5	14	1	113	27	570	17	2	2	19	36
Catarrh	292	3	2	6	1	31	18	198	7	1	.....	3	22
Colds	317	.....	.....	6	.....	28	14	242	1	3	1	8	14
Measles	788	13	1	23	1	111	20	552	9	3	.....	17	38
Scarlet fever	171	2	.....	6	.....	13	6	131	1	.....	1	2	9
Scrofula	700	14	5	26	.....	163	57	390	10	4	.....	4	27
Smallpox	135	.....	.....	3	.....	11	4	99	2	.....	.....	3	13
Sore eyes	1,633	20	6	44	2	204	75	1,108	26	8	4	40	96
Other causes producing opacity of cornea	680	6	.....	8	1	86	29	468	15	2	2	20	43
Causes affecting the iris	543	4	1	8	.....	55	23	368	14	.....	1	19	50
Venereal diseases	72	.....	.....	1	.....	4	3	43	4	.....	.....	1	16
Exposure to heat and cold	231	2	.....	1	.....	29	9	155	7	.....	1	10	17
Other causes affecting iris	240	2	1	6	.....	22	11	170	3	.....	.....	8	17
Causes affecting the lens	6,389	45	6	114	6	842	172	3,867	167	34	11	239	886
Cataract	3,913	32	6	82	5	650	136	2,408	71	19	7	115	382
Old age	2,476	13	.....	32	1	192	36	1,459	96	15	4	124	504
Other causes producing opacity of lens	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Other causes producing opacity of eye	3,087	18	5	71	5	277	95	2,197	50	12	4	109	214
Neuralgia	607	4	2	18	.....	78	26	409	9	4	1	11	45
Glaucoma	218	2	.....	7	.....	44	10	132	3	.....	.....	5	15
Injuries, accidents, and operations	2,226	12	3	45	5	152	58	1,628	37	7	3	92	184
All other causes producing opacity of eye	36	.....	.....	1	.....	3	1	28	1	1	.....	1	.....
Nervous apparatus affected	2,991	26	6	80	5	358	107	2,106	54	8	5	53	183
[illegible]	655	4	.....	17	1	89	22	449	17	1	3	12	40
[illegible]	127	2	2	4	.....	7	4	98	1	.....	.....	2	7
[illegible]	123	1	.....	4	.....	8	6	94	1	.....	.....	2	7
[illegible]	2,086	19	4	55	4	254	75	1,465	35	7	2	37	129
Unclassified	6,938	204	31	214	7	984	234	4,468	109	55	9	185	438
Congenital	2,412	160	16	127	4	473	113	1,268	52	26	4	50	119
Military service	1,223	2	2	7	1	61	22	972	10	4	2	36	104
Grip	297	1	.....	8	.....	33	9	214	5	1	1	4	21
Different causes for each eye	134	.....	.....	3	.....	9	3	104	1	.....	1	6	7
Other causes unclassified	2,872	41	13	69	2	408	87	1,910	41	24	1	89	187
Unknown	3,643	49	3	94	10	399	124	2,063	99	35	7	145	615

TABLE 12.—THE BLIND, BY DEGREE OF BLINDNESS, COLOR, SCHOOL ATTENDANCE, PRESENT AGE, AND SEX CONTINENTAL UNITED STATES: 1900.

DEGREE OF BLINDNESS, COLOR, AND SCHOOL ATTENDANCE.	TOTAL.		PRESENT AGE.										
			0 to 4		5 to 9		10 to 14		15 to 19		20 and over.		Unkn
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.
The totally blind	20,144	15,501	207	181	508	367	702	649	860	649	17,784	13,579	83
White	17,207	13,152	184	163	441	320	603	553	739	540	15,181	11,523	59
Attended school	7,218	4,675	7	12	215	151	449	420	591	425	5,929	3,654	27
Special	3,427	2,360	2	7	167	118	385	365	516	357	2,340	1,507	17
Other	2,349	1,498	5	5	42	26	50	41	53	43	2,195	1,378	4
Both	50	16					2		7	4	41	11	
Not specified	1,392	801			6	7	12	14	15	21	1,353	758	6
Did not attend school	7,646	5,715	164	141	206	159	142	117	135	103	6,979	5,167	20
Not stated	2,343	2,762	13	10	20	10	12	16	13	12	2,273	2,702	12
Colored	2,937	2,349	23	18	67	47	99	96	121	109	2,603	2,056	24
Attended school	630	404		1	17	14	49	61	63	58	492	267	9
Special	233	150		1	14	11	38	45	46	44	128	46	7
Other	216	154			3	3	10	10	14	12	187	129	2
Both		3										3	
Not specified	181	97					1	6	3	2	177	89	
Did not attend school	2,095	1,685	23	15	46	30	48	30	54	48	1,910	1,543	14
Not stated	212	260		2	4	3	2	5	4	3	201	246	1
The partially blind	16,910	12,208	137	121	438	351	812	714	816	796	14,634	10,168	73
White	15,335	10,841	120	106	387	297	737	636	722	704	13,309	9,054	60
Attended school	6,588	4,226	10	8	225	166	569	481	569	562	5,190	2,990	25
Special	1,522	1,291		2	127	85	341	282	345	382	704	532	5
Other	3,122	1,932	8	5	83	72	197	175	188	138	2,633	1,537	13
Both	25	11					4	1	3	3	18	7	
Not specified	1,919	992	2	1	15	9	27	23	33	39	1,835	914	7
Did not attend school	6,037	4,017	97	86	150	121	149	136	137	129	5,478	3,530	26
Not stated	2,710	2,598	13	12	12	10	19	19	16	13	2,641	2,534	9
Colored	1,575	1,367	17	15	51	54	75	78	94	92	1,325	1,114	13
Attended school	449	366	1		27	21	50	49	45	53	320	237	6
Special	78	79			8	8	20	23	21	27	25	18	4
Other	227	188	1		18	13	26	25	21	22	159	127	2
Both													
Not specified	144	99			1		4	1	3	4	136	92	
Did not attend school	986	845	13	14	18	31	22	27	45	36	882	730	6
Not stated	140	156	3	1	6	2	3	2	4	3	123	147	1

TABLE 13.—THE BLIND, BY DEGREE OF BLINDNESS, COLOR, SCHOOL ATTENDANCE, AND PERIOD OF LIFE AND WHEN BLINDNESS OCCURRED, FOR CONTINENTAL UNITED STATES: 1900.

DEGREE OF BLINDNESS, COLOR, AND SCHOOL ATTENDANCE.	Total.	PERIOD OF LIFE WHEN BLINDNESS OCCURRED.			AGE WHEN BLINDNESS OCCURRED.											
					Under 20							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	Under 1	1 to 4	5 to 9	10 to 14	15 to 19	Not stated.	20 to 39	40 to 59	60 to 79	80 and over.	s
The totally blind	35,645	11,500	22,969	1,176	2,317	1,618	1,883	2,219	1,685	1,423	355	6,104	7,154	7,821	1,697	
White	30,359	9,984	19,472	903	1,993	1,504	1,649	1,923	1,444	1,171	300	5,097	6,120	6,785	1,323	
Attended school	11,893	6,567	5,066	260	1,155	988	1,105	1,352	996	761	210	1,968	1,565	1,302	205	
Special	5,787	5,194	522	71	1,020	880	947	1,094	665	409	179	429	74	16	1	
Other	3,847	950	2,780	117	104	76	108	176	215	248	23	961	904	765	132	
Both	66	47	18	1	2	3	2	12	15	13		14	4			
Not specified	2,193	376	1,746	71	29	29	48	70	101	91	8	564	583	521	72	
Did not attend school	13,361	2,932	10,129	300	734	473	477	474	362	341	71	2,644	3,383	3,452	606	
Not stated	5,105	485	4,277	343	104	43	67	97	86	69	19	485	1,172	2,031	512	
Colored	5,286	1,516	3,497	273	324	114	234	296	241	252	55	1,007	1,034	1,036	374	
Attended school	1,034	571	436	27	102	34	91	116	105	98	25	225	126	65	18	
Special	383	347	24	12	82	22	71	81	52	23	16	18	4	1	1	
Other	370	154	212	4	15	9	16	24	37	47	6	119	62	25	6	
Both	3	3						1	1	1						
Not specified	278	67	200	11	5	3	4	10	15	27	3	88	60	39	11	
Did not attend school	3,780	870	2,727	183	209	77	130	166	126	139	23	734	820	839	302	
Not stated	472	75	334	63	13	3	13	14	10	15	7	48	88	132	54	
The partially blind	29,118	9,204	18,231	1,683	2,413	1,021	1,520	1,571	1,173	971	535	4,866	5,337	5,972	1,314	
White	26,176	8,291	16,370	1,515	2,190	962	1,377	1,413	1,027	850	472	4,312	4,746	5,439	1,196	
Attended school	10,814	5,272	5,077	465	1,421	629	834	926	669	461	332	1,717	1,554	1,378	280	
Special	2,813	2,661	113	39	911	432	422	413	216	92	175	74	26	11	1	
Other	5,054	2,011	2,818	225	412	164	323	384	357	252	119	938	838	795	176	
Both	36	29	7		7	3	1	8	7	3		5		2		
Not specified	2,911	571	2,139	201	91	30	88	121	89	114	38	700	690	570	103	
Did not attend school	10,054	2,502	7,096	456	684	298	458	402	266	298	96	1,921	2,165	2,377	460	
Not stated	5,308	517	4,197	594	85	35	85	85	92	91	44	674	1,027	1,684	456	
Colored	2,942	913	1,861	168	223	59	143	158	146	121	63	554	591	533	118	
Attended school	815	398	381	36	74	22	57	80	75	55	35	175	122	68	10	
Special	157	142	12	3	42	11	22	26	19	7	15	5	4	1	2	
Other	415	205	195	15	25	10	32	47	41	34	16	103	62	22	6	
Both																
Not specified	243	51	174	18	7	1	3	7	15	14	4	67	56	45	2	
Did not attend school	1,831	461	1,278	92	136	32	81	70	62	55	25	335	411	404	90	
Not stated	296	54	202	40	13	5	5	8	9	11	3	44	58	61	18	

TABLE 14.—NUMBER AND PER CENT DISTRIBUTION BY CLASS OF OCCUPATIONS OF THE BLIND 10 YEARS OF AGE AND OVER GAINFULLY EMPLOYED, BY DEGREE OF BLINDNESS IN RELATION TO AGE WHEN BLINDNESS OCCURRED, FOR CONTINENTAL UNITED STATES: 1900.

A.—NUMBER IN EACH CLASS OF OCCUPATIONS.

CLASS OF OCCUPATIONS.	Total.	PERIOD OF LIFE WHEN BLINDNESS OCCURRED.			AGE WHEN BLINDNESS OCCURRED.											
					Under 20							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	Under 1	1 to 4	5 to 9	10 to 14	15 to 19	Not stated.	20 to 39	40 to 59	60 to 79	80 and over.	Not stated.
The blind:																
All occupations	12,506	4,478	7,525	503	851	413	694	883	779	739	119	3,229	2,264	1,714	221	97
Agricultural pursuits	5,273	1,170	3,849	254	240	54	166	217	203	253	37	1,307	1,213	1,099	161	69
Professional service	1,404	993	387	24	210	174	181	179	142	91	16	209	97	76	3	2
Domestic and personal service	1,783	594	1,097	92	119	34	83	107	123	100	28	522	340	206	16	13
[illegible]	1,671	594	1,017	60	105	45	86	126	109	108	15	594	297	110	13	3
[illegible]	2,375	1,127	1,175	73	177	106	178	254	202	187	23	597	317	223	28	10
The totally blind—																
All occupations	5,581	2,354	3,122	105	311	262	393	514	446	393	35	1,543	837	635	94	13
Agricultural pursuits	1,424	231	1,165	28	32	11	29	47	48	62	2	353	343	393	67	9
Professional service	1,010	763	236	11	133	133	145	141	125	73	13	150	53	33	.....	.....
Domestic and personal service	642	207	413	22	33	10	38	43	42	39	2	222	103	77	9	2
Trade and transportation	1,040	376	646	18	44	32	50	88	83	73	6	414	183	41	7	1
Manufacturing and mechanical pursuits	1,465	777	662	26	69	76	131	195	148	146	12	404	155	91	11	1
The partially blind—																
All occupations	6,925	2,124	4,403	398	540	151	301	369	333	346	84	1,686	1,427	1,079	127	84
Agricultural pursuits	3,849	939	2,684	226	208	43	137	170	155	191	35	954	870	706	94	60
Professional service	394	230	151	13	77	41	36	38	17	18	3	59	44	43	3	2
Domestic and personal service	1,141	387	684	70	86	24	45	64	81	61	26	300	237	129	7	11
Trade and transportation	631	218	371	42	61	13	36	38	26	35	9	180	114	69	6	2
Manufacturing and mechanical pursuits	910	350	513	47	108	30	47	59	54	41	11	193	162	132	17	9

B.—PER CENT IN EACH CLASS OF OCCUPATIONS.

The blind:																
Agricultural pursuits	42.2	26.1	51.1	50.5	28.2	13.1	23.9	24.6	26.1	34.2	31.1	40.4	53.6	64.1	72.8	71.1
Professional service	11.2	22.2	5.2	4.8	24.7	42.1	26.1	20.3	18.2	12.3	13.5	6.5	4.3	4.5	1.4	2.1
Domestic and personal service	14.2	13.3	14.6	18.3	14.0	8.2	12.0	12.1	15.8	13.6	23.5	16.2	15.0	12.0	7.2	13.4
Trade and transportation	13.4	13.3	13.5	11.9	12.3	10.9	12.4	14.3	14.0	14.6	12.6	18.4	13.1	6.4	5.9	3.1
Manufacturing and mechanical pursuits	19.0	25.1	15.6	14.5	20.8	25.7	25.6	28.7	25.9	25.3	19.3	18.5	14.0	13.0	12.7	10.3
The totally blind—																
Agricultural pursuits	25.5	9.8	37.3	26.6	10.3	4.2	7.4	9.2	10.8	15.8	5.7	22.9	41.0	61.9	71.3	69.2
Professional service	18.1	32.4	7.6	10.5	42.8	50.8	36.9	27.4	28.0	18.6	37.1	9.7	6.3	5.2	.....	.....
Domestic and personal service	11.5	8.8	13.2	21.0	10.6	3.8	9.7	8.4	9.4	9.9	5.7	14.4	12.3	12.1	9.6	15.4
Trade and transportation	18.6	16.0	20.7	17.1	14.1	12.2	12.7	17.1	18.6	18.6	17.2	26.8	21.9	6.5	7.4	7.7
Manufacturing and mechanical pursuits	26.3	33.0	21.2	24.8	22.2	29.0	33.3	37.9	33.2	37.1	34.3	26.2	18.5	14.3	11.7	7.7
The partially blind—																
Agricultural pursuits	55.6	44.2	61.0	56.7	38.5	28.4	45.5	46.1	46.6	55.2	41.6	56.6	60.9	65.4	74.0	71.4
Professional service	5.7	10.8	3.4	3.3	14.3	27.2	12.0	10.3	5.1	5.2	3.6	3.5	3.1	4.0	2.4	2.4
Domestic and personal service	16.5	18.2	15.5	17.6	15.9	15.9	14.9	17.3	24.3	17.6	31.0	17.8	16.6	12.0	5.5	13.1
Trade and transportation	9.1	10.3	8.4	10.6	11.3	8.6	12.0	10.3	7.8	10.1	10.7	10.7	8.0	6.4	4.7	2.4
[illegible]	13.1	16.5	11.7	11.8	20.0	19.9	15.6	16.0	16.2	11.9	13.1	11.4	11.4	12.2	13.4	10.7

TABLE 15.—THE BLIND 10 YEARS OF AGE AND OVER ENGAGED IN EACH SPECIFIED OCCUPATION AND CLASS OF OCCUPATIONS, BY DEGREE OF BLINDNESS, AGE, COLOR, AND SEX, FOR CONTINENTAL UNITED STATES: 1900.

THE TOTALLY BLIND.

OCCUPATION.	TOTAL 10 YEARS OF AGE AND OVER.				10 TO 19				20 AND OVER.				AGE UNKNOWN.			
	White.		Colored.		White.		Colored.		White.		Colored.		White.		Colored.	
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
All occupations	4,220	682	549	130	90	28	16	8	4,118	652	528	121	12	2	5	1
Agricultural pursuits	1,128	111	156	29	5	8	6	3	1,120	102	150	25	3	1		1
Agricultural laborers	58	4	29	4			4		58	4	25	4				
Dairymen and dairywomen	7		1						7		1					
Farmers, planters, and overseers	1,018	105	112	22	5	7	2	3	1,010	97	110	18	3	1		1
Gardeners, florists, nurserymen, etc	15	1	3	2		1			15		3	2				
Lumbermen and raftsmen	4								4							
Stock raisers, herders, and drovers	16	1	3	1					16	1	3	1				
Turpentine farmers and laborers																
Wood choppers	9		8						9		8					
Other agricultural pursuits	1								1							
Professional service	717	191	88	14	38	11	3	3	674	180	83	11	5		2	
[illegible]	6	1							6	1						
[illegible]	2								2							
[illegible]	1			1					1			1				
Clergymen	93	2	34		1				92	2	34					
Dentists																
Electricians	1								1							
Engineers (civil, etc.) and surveyors	2								2							
Journalists	8	1							8	1						
Lawyers	21	1	1						21	1	1					
Literary and scientific persons	16	2	1	1					16	2	1	1				
Musicians and teachers of music	492	160	51	8	37	10	3	2	451	150	46	6	4		2	
Officials (government)	13								13							
Physicians and surgeons	23	4							23	4						
Teachers and professors in colleges, etc	35	20	1	4		1		1	34	19	1	3	1			
Other professional service	4								4							
Domestic and personal service	322	117	151	52	3	2	5	1	318	115	144	51	1		2	
Barbers and hairdressers	1		1						1		1					
Bartenders	2								2							
Boarding and lodging house keepers	9	11							9	11						
Hotel keepers	25	3	2						25	3	2					
Housekeepers and stewards	1	7							1	7						
Janitors and sextons	3	1	1						3	1	1					
Laborers (not specified)	199	10	118	6	1	1	3		197	9	114	6	1		1	
Launderers and laundresses	7	8	7	18					7	8	7	18				
Nurses and midwives		5	1	7			1			5		7				
Restaurant keepers	10		1						10		1					
Saloon keepers	19	1							19	1						
Servants and waiters	20	66	8	20	2	1	1	1	18	65	7	19				
Soldiers, sailors, and marines (U.S.)																
Watchmen, policemen, firemen, etc																
Other domestic and personal service	26	5	12	1					26	5	11	1			1	
Trade and transportation	897	63	78	2	8	2	1		888	61	77	2	1			
Agents	113	29	5		1				111	29	5		1			
Bankers and brokers	36	8							36	8						
Boatmen and sailors	8		1						8		1					
Bookkeepers and accountants		1				1										
Clerks and copyists	12	1							12	1						
Commercial travelers	15								15							
Draymen, hackmen, teamsters, etc	13		3						13		3					
Foremen and overseers	2								2							
Hostlers	4		1		1				3		1					
Hucksters and peddlers	249	2	34	1			1		249	2	33	1				
Livery stable keepers	7								7							
Merchants and dealers (except wholesale)	366	11	21		2				364	11	21					
Merchants and dealers (wholesale)	4		1						4		1					
Messengers and errand and office boys	2		1						2		1					
Officials of banks and companies	2								2							
Packers and shippers																
Porters and helpers (in stores, etc.)			1								1					
Salesmen and saleswomen	21				1				20							
Steam railroad employees	3	1	3			1			3		3					
Stenographers and typewriters	4	8			1				3	8						
Street railway employees																
Telegraph and telephone linemen																
Telegraph and telephone operators	2	2							2	2						
Undertakers	1								1							
Other persons in trade and transportation	33		7	1	2				31		7	1				
Manufacturing and mechanical pursuits	1,156	200	76	33	36	5	1	1	1,118	194	74	32	2	1	1	
Building trades	51	1	8						51	1	8					
Carpenters and joiners	22	1	3						22	1	3					
Masons (brick and stone)	10		3						10		3					
Painters, glaziers, and varnishers	6								6							
Paper hangers	1								1							
[illegible]																
[illegible]									4		1					
[illegible]									2							
[illegible]																
[illegible]									6		1					
Oil well and oil works employees	1								1							
Other chemical workers	1								1							

TABLE 15.—THE BLIND 10 YEARS OF AGE AND OVER ENGAGED IN EACH SPECIFIED OCCUPATION AND CLASS OF OCCUPATIONS, BY DEGREE OF BLINDNESS, AGE, COLOR, AND SEX, FOR CONTINENTAL UNITED STATES: 1900—Continued.

THE TOTALLY BLIND—Continued.

OCCUPATION.	TOTAL 10 YEARS OF AGE AND OVER.				10 TO 19				20 AND OVER.				AGE UNKNOWN.			
	White.		Colored.		White.		Colored.		White.		Colored.		White.		Colored.	
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
Clay, glass, and stone products	7	1							7	1						
Brick and tile makers, etc	1								1							
Glassworkers	1								1							
Marble and stone cutters	5	1							5	1						
Potters																
Fishing and mining	27	1	2		1				26	1	2					
Fishermen and oystermen	7	1	2						7	1	2					
Miners and quarrymen	20				1				19							
Food and kindred products	28	3	2			1			26	2	2					
Bakers	6	1	1						6	1	1					
Butchers	5	1	1			1			5		1					
Butter and cheese makers																
Confectioners	5								5							
Millers	9	1							9	1						
Other food preparers	1								1							
Iron and steel and their products	26	1	1						26	1	1					
Blacksmiths	16	1	1						16	1	1					
Iron and steel workers	5								5							
Machinists	3								3							
Steam boiler makers																
Stove, furnace, and grate makers																
Tool and cutlery makers																
Wheelwrights	1								1							
Wireworkers	1								1							
Leather and its finished products	21	1	6						21	1	6					
Boot and shoe makers and repairers	15		1						15		1					
Harness and saddle makers and repairers	5		4						5		4					
Leather curriers and tanners			1								1					
Trunk and leather-case makers, etc	1	1							1	1						
Liquors and beverages	2								2							
Bottlers and soda water makers, etc																
Brewers and maltsters	1								1							
Distillers and rectifiers	1								1							
Lumber and its remanufactures	115	14	23	8	8		1		107	14	21	8			1	
Cabinetmakers	5								5							
Coopers			1								1					
Saw and planing mill employees	3								3							
Other woodworkers	107	14	22	8	8		1		99	14	20	8			1	
Metals and metal products other than iron and steel	3								3							
Brassworkers																
Clock and watch makers and repairers																
Gold and silver workers																
Tin plate and tinware makers	1								1							
Other metal workers	2								2							
Paper and printing	8	3	1						8	3	1					
Bookbinders																
Boxmakers (paper)																
Engravers																
Paper and pulp mill operatives																
Printers, lithographers, and pressmen	8	3	1						8	3	1					
Textiles	60	167	1	22	3	3		1	57	163	1	21		1		
Bleachery and dye works operatives																
Carpet factory operatives																
Cotton mill operatives																
Hosiery and knitting mill operatives																
Silk mill operatives																
Woolen mill operatives																
Other textile mill operatives	15	3			2				13	3						
Dressmakers	1	2							1	2						
Hat and cap makers																
Milliners		4				1				3						
[illegible]		17	1	9				1		16	1	8		1		
[illegible]																
[illegible]	10	1							10	1						
Other textile workers	34	140		13	1	2			33	138		13				
Miscellaneous industries	809	8	32	3	24	1			783	7	32	3	2			
Broom and brush makers	543	3	16	1	14				528	3	16	1	1			
Charcoal, coke, and [illegible]																
Engineers and firemen [illegible]									2	1						
Glovemakers	1								1							
Manufacturers and officials, etc	43		1		1				42		1					
Model and pattern makers																
[illegible]	1								1							
[illegible]																
[illegible]	5		1						5		1					
Upholsterers	40	2	6		1	1			38	1	6		1			
Other miscellaneous industries	174	2	8	2	8				166	2	8	2				

TABLE 15.—THE BLIND 10 YEARS OF AGE AND OVER ENGAGED IN EACH SPECIFIED OCCUPATION AND CLASS OF OCCUPATIONS, BY DEGREE OF BLINDNESS, AGE, COLOR, AND SEX, FOR CONTINENTAL UNITED STATES: 1900—Continued.

THE PARTIALLY BLIND.

OCCUPATION.	TOTAL 10 YEARS OF AGE AND OVER.				10 TO 19				20 AND OVER.				AGE UNKNOWN.			
	White.		Colored.		White.		Colored.		White.		Colored.		White.		Colored.	
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
All occupations	5,429	711	582	203	256	57	48	17	5,149	651	533	183	24	3	1	3
Agricultural pursuits	3,190	236	341	82	158	12	32	10	3,022	224	308	72	10		1	
Agricultural laborers	233	9	52	22	55	2	20	4	178	7	32	18				
Dairymen and dairywomen	8	1			1				7	1						
Farmers, planters, and overseers	2,834	223	253	59	96	10	11	6	2,729	213	241	53	9		1	
Gardeners, florists, nurserymen, etc	46	2	4						46	2	4					
Lumbermen and raftsmen	26		2		2				24		2					
Stock raisers, herders, and drovers	25	1	10	1	2		1		22	1	9	1	1			
Turpentine farmers and laborers																
Wood choppers	15		20		2				13		20					
Other agricultural pursuits	3								3							
Professional service	281	86	22	5	9	6			270	78	22	5	2	2		
Actors, professional showmen, etc	6	1							6	1						
Architects, designers, draftsmen, etc	3								3							
Artists and teachers of art		1								1						
Clergymen	56	1	13	2					56	1	13	2				
Dentists	1	1							1	1						
Electricians	1								1							
Engineers (civil, etc.) and surveyors	2								2							
Journalists	3								3							
Lawyers	29								29							
Literary and scientific persons	3	5	1						3	5	1					
Musicians and teachers of music	125	49	6	3	8	3			116	45	6	3	1	1		
Officials (government)	19	1							18	1			1			
Physicians and surgeons	16	1	2						16	1	2					
Teachers and professors in colleges, etc	16	26			1	3			15	22				1		
Other professional service	1								1							
Domestic and personal service	676	232	131	102	31	24	6	4	642	208	125	96	3			2
Barbers and hairdressers	6								6							
Bartenders	1								1							
Boarding and lodging house keepers	9	9		2					9	9		2				
Hotel keepers	34	3							34	3						
Housekeepers and stewards		16		1		1				15		1				
Janitors and sextons	14		3						14		3					
Laborers (not specified)	541	22	108	14	24	3	5	2	514	19	103	12	3			
Launderers and laundresses	6	31	2	42		2		1	6	29	2	39				2
Nurses and midwives	1	19	2	7		2			1	17	2	7				
Restaurant keepers	8	1							8	1						
Saloon keepers	3								3							
Servants and waiters	43	126	15	36	6	15	1	1	37	111	14	35				
U. S.)																
etc	6		1		1				5		1					
rvice	4	5				1			4	4						
Trade and transportation	560	40	29	2	27	1	1		527	39	28	2	6			
Agents	68	11			2	1			66	10						
Bankers and brokers	27	11	1						27	11	1					
Boatmen and sailors	8	1	2		1				7	1	2					
Bookkeepers and accountants	1				1											
Clerks and copyists	38	1	3		2		1		36	1	2					
Commercial travelers	10				1				9							
Draymen, hackmen, teamsters, etc	52	1	4	1	3				48	1	4	1	1			
Foremen and overseers																
Hostlers	5		1						5		1					
Hucksters and peddlers	86	6	6	1	2				81	6	6	1	3			
Livery stable keepers	10								10							
Merchants and dealers (except wholesale)	182	5	6		3				178	5	6		1			
Merchants and dealers (wholesale)	3								3							
Messengers and errand and office boys	4		2		2				2		2					
Officials of banks and companies	2								2							
Packers and shippers	4				3				1							
Porters and helpers (in stores, etc.)	1		1						1		1					
Salesmen and saleswomen	21	1			1				19	1			1			
Steam railroad employees	15	1	3		2				13	1	3					
Stenographers and typewriters		1								1						
Street railway employees																
Telegraph and telephone linemen																
Telegraph and telephone operators	1				1											
Undertakers	6								6							
Other persons in trade and transportation	16	1			3				13	1						
Manufacturing and mechanical pursuits	722	117	59	12	31	14	9	3	688	102	50	8	3	1		1
Building trades	130		12		1				127		12		2			
Carpenters and joiners	60		6						60		6					
Masons (brick and stone)	34		3						33		3		1			
Painters, glaziers, and varnishers	19		1						18		1		1			
Paper hangers	2								2							
Plasterers	5								5							
Plumbers and gas and steam fitters	1								1							
Roofers and slaters																
Mechanics (not otherwise specified)	9		2		1				8		2					
Chemicals and allied products	1								1							
Oil well and oil works employees	1								1							
Other chemical workers																

TABLE 15.—THE BLIND 10 YEARS OF AGE AND OVER ENGAGED IN EACH SPECIFIED OCCUPATION AND CLASS OF OCCUPATIONS, BY DEGREE OF BLINDNESS, AGE, COLOR, AND SEX, FOR CONTINENTAL UNITED STATES: 1900—Continued

THE PARTIALLY BLIND—Continued.

OCCUPATION.	TOTAL 10 YEARS OF AGE AND OVER.				10 TO 19				20 AND OVER.				AGE UNKNOWN.			
	White.		Colored.		White.		Colored.		White.		Colored.		White.		Colored.	
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
Clay, glass, and stone products	8		3				1		8		2					
Brick and tile makers, etc			1								1					
Glassworkers	2								2							
Marble and stone cutters	5		1						5		1					
Potters	1		1				1		1							
Fishing and mining	49		5		1				48		5					
Fishermen and oystermen	6		3						6		3					
Miners and quarrymen	43		2		1				42		2					
Food and kindred products	37				1				36							
Bakers	4								4							
Butchers	7								7							
Butter and cheese makers	1								1							
Confectioners	5								5							
Millers	19								19							
Other food preparers	1				1											
Iron and steel and their products	68	1	6		3				65	1	6					
Blacksmiths	36	1	4		1				35	1	4					
Iron and steel workers	12		1		2				10		1					
Machinists	13		1						13		1					
Steam boiler makers	3								3							
Stove, furnace, and grate makers	1								1							
Tool and cutlery makers																
Wheelwrights	3								3							
Wireworkers																
Leather and its finished products	25	1				1			25							
Boot and shoe makers and repairers	16	1				1			16							
Harness and saddle makers and repairers	7								7							
Leather curriers and tanners	2								2							
Trunk and leather-case makers, etc																
Liquors and beverages	4								4							
Bottlers and soda water makers, etc																
Brewers and maltsters	2								2							
Distillers and rectifiers	2								2							
Lumber and its remanufactures	62	12	19	3	5		3		57	12	16	3				
Cabinetmakers	4								4							
Coopers	4	1							4	1						
Saw and planing mill employees	5								5							
Other woodworkers	49	11	19	3	5		3		44	11	16	3				
Metals and metal products other than iron and steel	12				1				11							
[illegible]	1								1							
[illegible]	1								1							
[illegible]	1								1							
[illegible]	6				1				5							
Other metal workers	3								3							
Paper and printing	5	5	1		1				4	4	1			1		
[illegible]	1	2							1	2						
[illegible]	1								1							
[illegible]																
Paper and pulp mill operatives																
Printers, lithographers, and pressmen	3	3	1		1				2	2	1			1		
Textiles	34	87	3	7	2	10	1	2	32	77	2	4				1
Bleachery and dye works operatives																
Carpet factory operatives		1								1						
Cotton [illegible]	4	3			1	2			3	1						
Hosiery [illegible]		2								2						
Silk mill [illegible]	1	1			1	1										
Woolen mill operatives		2	1			1				1	1					
Other textile mill operatives	6								6							
Dressmakers	1	10							1	10						
Hat and cap makers																
Milliners																
[illegible]	1	23		5		4		1	1	19		3				1
[illegible]																
[illegible]	4	3				1			4	2						
Other textile workers	17	42	2	2		1	1	1	17	41	1	1				
Miscellaneous industries	287	11	10	2	16	3	4	1	270	8	6	1	1			
Broom and brush makers	154	2	5	1	8		1		146	2	4	1				
Charcoal, coke, and lime burners	1								1							
Engineers and firemen (not locomotive)	16								16							
Glovemakers																
Manufacturers and officials, etc	39	3				1			39	2						
Model and pattern makers																
Photographers	1								1							
Rubber factory operatives																
Tobacco and cigar factory operatives	2	2			1	1			1	1						
Upholsterers	13	1	1		1		1		11	1			1			
Other miscellaneous industries	61	3	4	1	6	1	2	1	55	2	2					

TABLE 16.—THE BLIND 10 YEARS OF AGE AND OVER ENGAGED IN EACH SPECIFIED OCCUPATION AND CLASS OF OCCUPATIONS, BY DEGREE OF BLINDNESS AND PERIOD OF LIFE AND AGE WHEN BLINDNESS OCCURRED, FOR CONTINENTAL UNITED STATES: 1900.

THE TOTALLY BLIND.

OCCUPATION.	Total.	PERIOD OF LIFE WHEN BLINDNESS OCCURRED.			AGE WHEN BLINDNESS OCCURRED.											
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Under 20							20 and over.				
					Birth.	Under 1	1 to 4	5 to 9	10 to 14	15 to 19	Not stated.	20 to 39	40 to 59	60 to 79	80 and over.	Not stated.
All occupations	5,581	2,354	3,122	105	311	262	393	514	446	393	35	1,543	837	635	94	13
Agricultural pursuits	1,424	231	1,165	28	32	11	29	47	48	62	2	353	343	393	67	9
Agricultural laborers	95	34	58	3	6	5	3	6	10	4		32	10	14	2	
Dairymen and dairywomen	8	3	5		2					1		2	2		1	
Farmers, planters, and overseers	1,257	176	1,058	23	22	6	20	37	36	53	2	304	321	362	63	8
Gardeners, florists, nurserymen, etc	21	4	17				2			2		4	4	8	1	
Lumbermen and raftsmen	4		4											4		
Stock raisers, herders, and drovers	21	3	16	2			1	1	1			7	4	5		
[illegible]																
[illegible]	17	11	6		2		3	3	1	2		4	1			1
[illegible]	1		1										1			
Professional service	1,010	763	236	11	133	133	145	141	125	73	13	150	53	33		
Actors, professional showmen, etc	7	3	4			1	2					1	3			
Architects, designers, draftsmen, etc	2		2										1	1		
Artists and teachers of art	2	1	1				1					1				
Clergymen	129	68	59	2	13	11	8	10	10	14	2	41	10	8		
Dentists																
Electricians	1	1							1							
Engineers (civil, etc.) and surveyors	2		2											2		
Journalists	9	4	5				1		1	2		2	3			
Lawyers	23	5	18		1	1		1	2			3	8	7		
Literary and scientific persons	20	14	6		3	1	2	3	4	1		2	3	1		
Musicians and teachers of music	711	609	95	7	104	115	124	118	95	46	7	82	11	2		
Officials (government)	13	3	10						1	2		6	3	1		
[illegible]	27	7	19	1	1	1		1	2	2		5	6	8		
[illegible]	60	46	13	1	10	3	7	8	9	5	4	7	4	2		
Other professional service	4	2	2		1					1			1	1		
Domestic and personal service	642	207	413	22	33	10	38	43	42	39	2	222	103	77	9	2
Barbers and hairdressers	2		2									1	1			
[illegible]	2		2									2				
[illegible]	20	3	14	3				1	1	1		6	5	1	2	
[illegible]	30	3	26	1			1	2				12	5	8	1	
Housekeepers and stewards	8	3	5						2	1		1	1	1	2	
Janitors and sextons	5	1	4				1					2	2			
[illegible]	333	106	217	10	19	3	23	18	20	23		111	60	42	3	1
[illegible]	40	13	26	1	1		1	6	2	3		20	4	2		
Nurses and midwives	13	5	8		3		1	1				3	1	3	1	
Restaurant keepers	11	6	5				1	2	1	2		4		1		
Saloon keepers	20	5	14	1			2		2	1		13	1			
Servants and waiters	114	53	57	4	6	4	8	12	14	7	2	25	13	18		1
Soldiers, sailors, and marines (U.S.)																
Watchmen, policemen, firemen, etc																
Other domestic and personal service	44	9	33	2	4	3		1		1		22	10	1		
Trade and transportation	1,040	376	646	18	44	32	50	88	83	73	6	414	183	41	7	1
Agents	147	71	74	2	7	4	10	22	14	12	2	46	23	5		
[illegible]	44	8	35	1	2		1	1	4			13	7	12	3	
[illegible]	9	1	8					1				3	3	2		
[illegible]	1	1							1							
Clerks and copyists	13	4	9				1		1	2		7	1	1		
Commercial travelers	15	7	8			4	1			2		3	4	1		
Draymen, hackmen, teamsters, etc	16	1	13	2						1		6	6	1		
Foremen and overseers	2	1	1				1					1				
Hostlers	5	4	1				2		1	1		1				
Hucksters and peddlers	286	79	202	5	10	10	10	15	18	16		132	67	2	1	
Livery stable keepers	7	4	2	1				1		3		1	1			
[illegible]	398	150	242	6	14	10	20	39	36	28	3	163	61	14	3	1
[illegible]	5	2	3				1			1		2	1			
[illegible]	3	2	1						2					1		
[illegible]	2		2									2				
Packers and shippers																
Porters and helpers (in stores, etc.)	1		1									1				
[illegible]	21	9	12		3	1	1	2	1	1		9	3			
[illegible]	7	2	5		1			1				4		1		
[illegible]	12	12			3	1		1	3	3	1					
Street railway employees																
Telegraph and telephone linemen																
Telegraph and telephone operators	4	3	1		1					2		1				
Undertakers	1		1									1				
Other persons in trade and transportation	41	15	25	1	3	2	2	5	2	1		18	6	1		

TABLE 16.—THE BLIND 10 YEARS OF AGE AND OVER ENGAGED IN EACH SPECIFIED OCCUPATION AND CLASS OF OCCUPATIONS, BY DEGREE OF BLINDNESS AND PERIOD OF LIFE AND AGE WHEN BLINDNESS OCCURRED, FOR CONTINENTAL UNITED STATES: 1900—Continued..

THE TOTALLY BLIND—Continued.

OCCUPATION.	Total.	PERIOD OF LIFE WHEN BLINDNESS OCCURRED.			AGE WHEN BLINDNESS OCCURRED.											
					Under 20							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	Under 1	1 to 4	5 to 9	10 to 14	15 to 19	Not stated.	20 to 39	40 to 59	60 to 79	80 and over.	Not stated.
Manufacturing and mechanical pursuits	1,465	777	662	26	69	76	131	195	148	146	12	404	155	91	11	1
Building trades	60	4	54	2					1	3		13	16	20	5	
Carpenters and joiners	26	1	24	1					1			3	8	9	4	
Masons (brick and stone)	13	1	12							1		3	1	8		
Painters, glaziers, and varnishers	6		6									2	3	1		
Paper hangers	1		1										1			
Plasterers	5	1	3	1						1		1	2			
Plumbers and gas and steam fitters	2	1	1							1				1		
Roofers and slaters																
Mechanics (not otherwise specified)	7		7									4	1	1	1	
Chemicals and allied products	1		1									1				
Oil well and oil works employees																
Other chemical workers	1		1									1				
Clay, glass, and stone products	8	1	7					1				1	3	3		
Brick and tile makers, etc	1		1											1		
Glassworkers	1		1											1		
Marble and stone cutters	6	1	5					1				1	3	1		
Potters																
Fishing and mining	30	4	23	3				1		3		15	3	5		
Fishermen and oystermen	10		9	1								6	1	2		
Miners and quarrymen	20	4	14	2				1		3		9	2	3		
Food and kindred products	31	3	27	1		1		2				10	13	4		
Bakers	8	1	7			1							4	3		
Butchers	7	1	5	1				1				3	2			
Butter and cheese makers																
Confectioners	5	1	4					1				3	1			
Millers	10		10									4	5	1		
Other food preparers	1		1										1			
Iron and steel and their products	28	2	25	1					1	1		4	9	11	1	
Blacksmiths	18		17	1								1	4	11	1	
Iron and steel workers	5	1	4							1			4			
Machinists	3	1	2						1			1	1			
Steam boiler makers																
Stove, furnace, and grate makers																
Tool and cutlery makers																
Wheelwrights	1		1									1				
Wireworkers	1		1									1				
Leather and its finished products	28	6	22				5			1		7	6	9		
Boot and shoe makers and repairers	16	4	12				4					1	4	7		
Harness and saddle makers and repairers	9		9									5	2	2		
Leather curriers and tanners	1		1									1				
Trunk and leather-case makers, etc	2	2					1			1						
Liquors and beverages	2		2										2			
Bottlers and soda water makers, etc																
Brewers and maltsters	1		1										1			
Distillers and rectifiers	1		1										1			
Lumber and its remanufactures	160	102	58		12	10	10	29	22	16	3	43	10	4	1	
Cabinetmakers	5	1	4						1			2	1		1	
Coopers	1		1									1				
Saw and planing mill employees	3		3									2	1			
Other woodworkers	151	101	50		12	10	10	29	21	16	3	38	8	4		
Metals and metal products other than iron and steel	3	2	1					1		1			1			
Brassworkers																
Clock and watch makers and repairers																
Gold and silver workers																
Tin plate and tinware makers	1	1						1								
Other metal workers	2	1	1							1			1			
Paper and printing	12	3	9				1	2				6	3			
Bookbinders																
Boxmakers (paper)																
Engravers																
Paper and pulp mill operatives																
Printers, lithographers, and pressmen	12	3	9				1	2				6	3			

TABLE 16.—THE BLIND 10 YEARS OF AGE AND OVER ENGAGED IN EACH SPECIFIED OCCUPATION AND CLASS OF OCCUPATIONS, BY DEGREE OF BLINDNESS AND PERIOD OF LIFE AND AGE WHEN BLINDNESS OCCURRED, FOR CONTINENTAL UNITED STATES: 1900—Continued.

THE TOTALLY BLIND—Continued.

OCCUPATION.	Total.	PERIOD OF LIFE WHEN BLINDNESS OCCURRED.			AGE WHEN BLINDNESS OCCURRED.											
					Under 20							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	Under 1	1 to 4	5 to 9	10 to 14	15 to 19	Not stated.	20 to 39	40 to 59	60 to 79	80 and over.	Not stated.
Textiles	250	116	130	4	6	9	29	30	20	22		58	48	20	4	
Bleachery and dye works operatives																
Carpet factories																
Cotton mill [illegible]																
Hosiery and [illegible]																
Silk mill operatives																
Woolen mill operatives																
Other textile mill operatives	18	9	8	1		2	3	2	1	1		7	1			
Dressmakers	3		3									1		2		
Hat and cap makers																
Milliners	4	1	3							1		2	1			
Seamstresses	27	14	13		2	1	4	4	1	2		5	4	4		
Shirt, collar, and cuff makers																
Tailors and tailoresses	11		10	1									5	4	1	
Other textile workers	187	92	93	2	4	6	22	24	18	18		43	37	10	3	
Miscellaneous industries	852	534	303	15	51	56	86	129	104	99	9	246	41	15		1
Broom and brush makers	563	319	234	10	31	30	45	78	67	64	4	199	32	2		1
Charcoal, coke, and lime burners																
[illegible]	3	1	2					1				2				
[illegible]	1		1									1				
[illegible]	44	22	22		2		1	2	11	6		13	4	5		
Model and pattern makers																
[illegible]	1		1											1		
[illegible]																
[illegible]			6									4		2		
Upholsterers	45	30	15	3	1		4	8	3	13	1	13	2			
Other miscellaneous industries	186	162	22	2	17	26	36	40	23	16	4	14	3	5		

TABLE 16.—THE BLIND 10 YEARS OF AGE AND OVER ENGAGED IN EACH SPECIFIED OCCUPATION AND CLASS OF OCCUPATIONS, BY DEGREE OF BLINDNESS AND PERIOD OF LIFE AND AGE WHEN BLINDNESS OCCURRED, FOR CONTINENTAL UNITED STATES: 1900—Continued.

THE PARTIALLY BLIND.

OCCUPATION.	Total.	PERIOD OF LIFE WHEN BLINDNESS OCCURRED.			AGE WHEN BLINDNESS OCCURRED.											
					Under 20							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	Under 1	1 to 4	5 to 9	10 to 14	15 to 19	Not stated.	20 to 39	40 to 59	60 to 79	80 and over.	Not stated.
All occupations	6,925	2,124	4,403	398	540	151	301	369	333	346	84	1,686	1,427	1,079	127	84
Agricultural pursuits	3,849	939	2,684	226	208	43	137	170	155	191	35	954	870	706	94	60
[illegible]	316	175	128	13	52	12	20	41	26	19	5	67	41	13	4	3
[illegible]	9	4	5					1	1	1	1	3	2			
[illegible]	3,369	715	2,451	203	145	28	108	123	123	159	29	844	790	671	89	57
[illegible]	52	11	37	4	2		3	1	1	4		12	10	15		
Lumbermen and raftsmen	28	5	21	2		1	1	1	1	1		10	7	3	1	
Stock raisers, herders, and drovers	37	11	24	2	2	1	2	2	2	2		9	12	3		
Turpentine farmers and laborers																
Wood choppers	35	17	16	2	7		3	1	1	5		9	6	1		
Other agricultural pursuits	3	1	2			1							2			
Professional service	394	230	151	13	77	41	36	38	17	18	3	59	44	43	3	2
Actors, professional showmen, etc	7	4	3		1		1	1		1		1	2			
Architects, designers, draftsmen, etc	3		2	1								1		1		
Artists and teachers of art	1			1												
Clergymen	72	21	47	4	9	6	2	3		1		18	12	16		1
Dentists	2	1	1				1						1			
Electricians	1		1									1				
Engineers (civil, etc.) and surveyors	2	1	1							1			1			
Journalists	3	1	2					1				1	1			
Lawyers	29	6	22	1	1	1	2	1	1			7	6	8	1	
Literary and scientific persons	9	6	3		4		1	1				1	2			
Musicians and teachers of music	183	157	23	3	53	31	22	26	11	12	2	15	5	3		
Officials (government)	20	2	17	1			1		1			7	6	4		
Physicians and surgeons	19	2	16	1			1				1	4	4	7		1
Teachers and professors in colleges, etc	42	29	12	1	9	3	5	5	4	3		2	4	4	2	
Other professional service	1		1									1				
Domestic and personal service	1,141	387	684	70	86	24	45	64	81	61	26	300	237	129	7	11
Barbers and hairdressers	6		6									5	1			
Bartenders	1		1									1				
Boarding and lodging house keepers	20	1	18	1			1					7	7	3	1	
Hotel keepers	37	2	32	3			1	1				6	8	16	1	1
Housekeepers and stewards	17	5	11	1					1	1	3	6	3	2		
Janitors and sextons	17	7	9	1	3	1		1	1		1	6	3			
Laborers (not specified)	685	230	409	46	55	14	28	36	49	36	12	192	140	66	4	7
Launderers and laundresses	81	23	52	6	2	1	4	5	8	2	1	20	22	9		1
Nurses and midwives	29	8	19	2				2	3	2	1	5	9	5		
Restaurant keepers	9	3	6				1			1	1	3	2	1		
Saloon keepers	3		3										3			
Servants and waiters	220	103	107	10	25	7	8	19	18	19	7	44	34	26	1	2
Soldiers, sailors, and marines (U. S.)																
Watchmen, policemen, firemen, etc	7	1	6				1					2	4			
Other domestic and personal service	9	4	5		1	1	1		1			3	1	1		
Trade and transportation	631	218	371	42	61	13	36	38	26	35	9	180	114	69	6	2
Agents	79	28	46	5	8	3	5	4	3	3	2	19	16	10	1	
Bankers and brokers	39	3	33	3			1		1		1	6	8	16	3	
Boatmen and sailors	11	2	8	1	2							4		3	1	
Bookkeepers and accountants	1	1									1					
Clerks and copyists	42	13	25	4	4		2	3	1	3		15	8	1	1	
Commercial travelers	10	7	3		2		3	1	1			1	2			
Draymen, hackmen, teamsters, etc	58	19	34	5	4		5	3	3	4		18	11	5		
Foremen and overseers																
Hostlers	6	3	3			1			1	1		3				
Hucksters and peddlers	99	43	52	4	9	2	8	10	3	11		28	20	4		
Livery stable keepers	10	5	4	1	2		1	1		1		2	2			
Merchants and dealers (except wholesale)	193	56	125	12	17	4	7	10	8	9	1	67	36	20		2
Merchants and dealers (wholesale)	3		3									1	2			
Messengers and errand and office boys	6	5	1		4		1							1		
Officials of banks and companies	2			2												
Packers and shippers	4	3	1		3							1				
Porters and helpers (in stores, etc.)	2	1	1		1							1				
Salesmen and saleswomen	22	12	9	1	3		2	3	2	1	1	3	4	2		
Steam railroad employees	19	7	10	2	1	1			2	1	2	4	3	3		
Stenographers and typewriters	1			1												
Street railway employees																
Telegraph and telephone linemen																
Telegraph and telephone operators	1	1						1								
Undertakers	6	2	3	1				1			1	2		1		
Other persons in trade and transportation	17	7	10		1	2	1	1	1	1		5	2	3		

TABLE 16.—THE BLIND 10 YEARS OF AGE AND OVER ENGAGED IN EACH SPECIFIED OCCUPATION AND CLASS OF OCCUPATIONS, BY DEGREE OF BLINDNESS AND PERIOD OF LIFE AND AGE WHEN BLINDNESS OCCURRED, FOR CONTINENTAL UNITED STATES: 1900—Continued.

THE PARTIALLY BLIND—Continued.

OCCUPATION.	Total.	PERIOD OF LIFE WHEN BLINDNESS OCCURRED.			AGE WHEN BLINDNESS OCCURRED.											
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Under 20							20 and over.				
					Birth.	Under 1	1 to 4	5 to 9	10 to 14	15 to 19	Not stated.	20 to 39	40 to 59	60 to 79	80 and over.	Not stated.
Manufacturing and mechanical pursuits	910	350	513	47	108	30	47	59	54	41	11	198	162	132	17	9
Building trades	142	13	115	14	2		3	3	1	4		34	40	35	5	1
Carpenters and joiners	66	7	51	8	1		1	1	1	3		10	19	20	1	1
Masons (brick and stone)	37	1	32	4				1				9	9	11	3	
Painters, glaziers, and varnishers	20	2	18				1	1				9	6	3		
Paper hangers	2		2										2			
Plasterers	5		4	1								2	2			
Plumbers and gas and steam fitters	1		1									1				
Roofers and slaters																
Mechanics (not otherwise specified)	11	3	7	1	1		1			1		3	2	1	1	
Chemicals and allied products	1		1										1			
Oil well and oil works employees	1		1										1			
Other chemical workers																
Clay, glass, and stone products	11	2	8	1				1		1		2	3	2		1
Brick and tile makers, etc	1		1													1
Glassworkers	2	1	1							1			1			
Marble and stone cutters	6		6									2	2	2		
Potters	2	1		1				1								
Fishing and mining	54	9	45		2		1	3	2	1		19	17	9		
Fishermen and oystermen	9	1	8		1							5	3			
Miners and quarrymen	45	8	37		1		1	3	2	1		14	14	9		
Food and kindred products	37	10	24	3	3	2	1	1	2	1		9	6	8	1	
Bakers	4	1	2	1						1		1	1			
Butchers	7		6	1								4		2		
Butter and cheese makers	1	1				1										
Confectioners	5	1	4			1						2	1	1		
Millers	19	6	12	1	3		1	1	1			2	4	5	1	
Other food preparers	1	1							1							
Iron and steel and their products	75	9	57	9	1		1	4	1	2		17	20	20		
Blacksmiths	41	2	32	7				1	1			6	12	14		
Iron and steel workers	13	2	10	1	1					1		2	6	2		
Machinists	14	2	11	1			1	1				6	2	3		
Steam boiler makers	3	1	2							1		2				
Stove, furnace, and grate makers	1		1									1				
Tool and cutlery makers																
Wheelwrights	3	2	1					2						1		
Wireworkers																
Leather and its finished products	26	4	19	3				2	1	1		3	10	4	2	
Boot and shoe makers and repairers	17	4	11	2				2	1	1		1	7	2	1	
Harness and saddle makers and repairers	7		6	1								1	2	2	1	
Leather curriers and tanners	2		2									1	1			
Trunk and leather-case makers, etc																
Liquors and beverages	4		4									1	2	1		
Bottlers and soda water makers, etc																
Brewers and maltsters	2		2									1	1			
Distillers and rectifiers	2		2										1	1		
Lumber and its remanufactures	96	54	41	1	19	6	6	8	9	4	2	15	8	14	3	1
Cabinetmakers	4		4										1	3		
Coopers	5	1	4					1				1		1	2	
Saw and planing mill employees	5	2	3		1				1			2		1		
Other woodworkers	82	51	30	1	18	6	6	7	8	4	2	12	7	9	1	1
Metals and metal products other than iron and steel	12	1	9	2			1					2	3	2	2	
Brassworkers	1			1												
Clock and watch makers and repairers	1		1												1	
Gold and silver workers	1			1												
Tin plate and tinware makers	6	1	5				1					1	2	1	1	
Other metal workers	3		3									1	1	1		
Paper and printing	11	6	5		4				2			1	1	3		
Bookbinders	3	1	2						1					2		
Boxmakers (paper)	1		1									1				
Engravers																
Paper and pulp mill operatives																
Printers, lithographers, and pressmen	7	5	2		4				1				1	1		

TABLE 16.—THE BLIND 10 YEARS OF AGE AND OVER ENGAGED IN EACH SPECIFIED OCCUPATION AND CLASS OF OCCUPATIONS, BY DEGREE OF BLINDNESS AND PERIOD OF LIFE AND AGE WHEN BLINDNESS OCCURRED, FOR CONTINENTAL UNITED STATES: 1900—Continued.

THE PARTIALLY BLIND—Continued.

OCCUPATION.	Total.	PERIOD OF LIFE WHEN BLINDNESS OCCURRED.			AGE WHEN BLINDNESS OCCURRED.											
					Under 20							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	Under 1	1 to 4	5 to 9	10 to 14	15 to 19	Not stated.	20 to 39	40 to 59	60 to 79	80 and over.	Not stated.
Textiles	131	61	67	3	16	6	8	9	14	7	1	26	17	18	2	4
Bleachery and dye [illegible]																
Carpet fa[illegible]														1		
Cotton m[illegible]														1		1
Hosiery [illegible]																
Silk mill [illegible]																
Woolen mill operatives	3	2	1							1	1			1		
Other textile mill operatives	6	2	4		1		1					3	1			
[illegible]							1	1				2	5	1		
[illegible]																
[illegible]																
[illegible]					4	1	1	2	3	3		5	3	3	1	1
[illegible]																
[illegible]									1			3		2		1
[illegible]					9	4	5	4	8	3		11	8	9	1	1
Miscellaneous industries	310	181	118	11	61	16	26	28	22	20	8	64	34	16	2	2
Broom and brush makers	162	97	60	5	34	7	16	18	9	10	3	41	18	1		
Charcoal,	1	1						1								
Engineers	16	3	11	2	1		1			1		3	2	6		
Glovemakers																
Manufacturers and officials, etc	42	11	28	3	3		2	1	1	3	1	9	8	8	1	2
Model and pattern makers																
Photographers	1		1										1			
[illegible]																
[illegible]	4	3	1		1		1				1		1			
Upholsterers	15	11	4		5	1	1	1	2		1	4				
Other miscellaneous industries	69	55	13	1	17	8	5	7	10	6	2	7	4	1	1	

TABLE 17.—THE BLIND-DEAF, BY PERIOD OF LIFE AND AGE WHEN BLINDNESS OCCURRED AND AGE WHEN DEAFNESS OCCURRED, FOR CONTINENTAL UNITED STATES: 1900.

PERIOD OF LIFE AND AGE WHEN BLINDNESS OCCURRED.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.			AGE WHEN DEAFNESS OCCURRED.											
					Under 20							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	0 to 1	2 to 4	5 to 9	10 to 14	15 to 19	Not stated.	20 to 39	40 to 59	60 to 79	80 and over.	Not stated.
All ages	2,772	670	1,902	200	187	59	68	121	103	71	61	318	403	670	274	237
Childhood (under 20)	526	400	111	15	106	48	42	77	59	41	27	37	38	22	4	10
Adult life (20 and over)	2,033	247	1,674	112	72	9	24	41	43	27	31	265	343	612	261	193
Unknown	213	23	117	73	9	2	2	3	1	3	3	16	22	36	9	34
Birth	119	98	17	4	76	3	4	4	2	3	6	8	6			3
Under 1	33	26	6	1	2	18		3	1		2	2	3	1		
1 to 4	83	67	14	2	4	17	29	5	4	2	6	5	2	6		1
5 to 9	106	80	23	3	5	4	4	54	8	3	2	8	8	4	1	2
10 to 14	85	59	23	3	6		1	2	37	8	5	6	9	6	2	
15 to 19	70	50	18	2	7	3	3	7	5	24	1	3	10	3		2
Not stated (under 20)	30	20	10		6	3	1	2	2	1	5	5		2	1	2
20 to 39	315	83	215	17	27	4	7	11	15	10	9	145	31	26	5	8
40 to 59	425	82	324	23	31	1	11	12	15	4	8	67	172	62	7	16
60 to 79	782	64	669	49	10	3	4	17	9	10	11	42	100	429	45	53
80 and over	357	11	331	15	2	1	2	1	2	3		6	33	62	193	37
Not stated (20 and over)	150	7	135	8	2				2		3	5	7	33	11	79

THE DEAF

ERRATA.

Page 65, second column, line 13, instead of 71,795 read 64,763.

Page 65, in table, instead of 69,023 blind (alone) read 61,991, and instead of 158,310 aggregate blind and deaf read 151,278.

THE DEAF.

By Alexander Graham Bell.

INTRODUCTION.

This report relates to the deaf of the United States living on June 1, 1900.

In accordance with the census act the enumerators of the Twelfth Census were required to return only the name, sex, age, and post office address of each deaf, or deaf and dumb person, leaving all further details to be ascertained subsequently through correspondence with the deaf persons themselves, or their parents or guardians.

The nature of the instructions to the enumerators is indicated by the extract given on page 3.

Upon receipt of the enumerators' special schedules containing lists of persons reported to be deaf, or deaf and dumb, a circular letter of inquiry, or individual schedule, was sent to each address given, asking whether the person had been correctly returned as deaf, or deaf and dumb, and requesting further information in the form of replies to specific queries.

The special schools for the deaf in the United States were also requested to furnish the Census Bureau with the information contained in their school records concerning deaf pupils admitted between June 1, 1890, and June 1, 1900. Similar information concerning all pupils admitted from the opening of the schools up to June 1, 1890, had been collected in 1890 upon cards which have been preserved. The same form of card was used in 1900, and the complete card catalogue, arranged alphabetically, was employed in checking and verifying the returns made by the enumerators and by the deaf persons themselves in cases where the persons had attended special schools.

The special schools for the deaf were also supplied, upon request, with lists of deaf children of school age within the territory covered by the schools, taken from the enumerators' returns, and the superintendents were requested to inform the Census Bureau of any erroneous returns discovered.

The replies to the circular letter of inquiry, and the correspondence with heads of schools for the deaf, enabled the Census Bureau to eliminate from the enumerators' lists large numbers of persons who were only hard of hearing, or who had been erroneously returned as deaf, leaving a total of 89,287 persons with seriously impaired powers of hearing.

Of these, 51,861 were not totally deaf, as they could understand loudly shouted conversation. The returns in these cases have been tabulated separately under the head of "partially deaf," although of course they represent only a portion of the partially deaf of the United States, every effort having been made to exclude persons merely "hard of hearing" from the returns.

Persons returned as both blind and deaf numbered 2,772. Since the returns in these cases are included in the report on the blind because they were blind, they are also included in the present report on the deaf because they were deaf.

Comparing the total number in the two afflicted classes, 71,795 persons were returned as blind and 89,287 as deaf; but the aggregate number of blind and deaf is less than the sum of these two figures, because the blind-deaf cases are doubly reported.

Blind (alone)	69,023
Deaf (alone)	86,515
Blind-deaf	2,772
Aggregate blind and deaf	158,310

The present report differs in several important respects from former Census reports on the same subject.

In order to secure as large aggregates as possible upon which to base the statistical analysis, the tables deal chiefly with the deaf of the whole of the United States, rather than with those of the states and territories individually, or of the counties contained in them.

States and territories are the lowest units of geographic distribution employed; county tables are omitted altogether, as they occupy space quite out of proportion to their real importance or value, and the figures are too small to yield statistical results of significance.

Another difference relates to institution statistics: No special inquiry has been made through the Census Office concerning the deaf persons in institutions or schools for the deaf, as such inquiry appeared to be unnecessary in view of the fact that statistics of this character are collected no less than three times every year through other agencies. Such statistics are compiled by:

1. The United States Government, through its Bureau of Education (published annually in the report of the United States Commissioner of Education).

2. The Conference of Superintendents and Principals of American Schools for the Deaf (published annually

in the "American Annals of the Deaf," Kendall Green, Washington, D. C.).

3. The American Association to Promote the Teaching of Speech to the Deaf (published annually in the "Association Review," Mt. Airy, Philadelphia, Pa.).

The published results contained in these three sources of information are utilized in this report.

The assigned causes of deafness are classified by their effect on the ear All the assigned causes act only indirectly, the true cause of deafness being in every case the injury to the ear and not the cause assigned.

The present classification has been effected through the cooperation of a committee of experts—Dr. Z. T. Sowers, general physician, Dr. Charles W. Richardson, aurist, and the late Dr. Swan M. Burnett, oculist, all of Washington, District of Columbia.

Diseases that produce the same effect upon the ear are grouped together. For example, scarlet fever, measles, disease of ear, etc., operate to produce an abscess in the middle ear. They are therefore grouped together, and the deafness is assigned to a "suppurative condition of the middle ear."

The assigned causes of deafness are also considered in connection with hereditary influences shown by the consanguinity of the parents or the possession of deaf relatives. Deaf relatives are classified into four groups: *a*, deaf brothers, sisters, or ancestors (relatives in the direct line); *b*, collateral relatives (uncles, aunts, cousins, and other relatives not *a*, *c*, or *d*); *c*, deaf children (sons or daughters); and *d*, deaf husbands or wives.

The present report also differs from former reports in its treatment of occupations. In order that the occupations of the deaf may be compared with the occupations of normal persons, the same classification has been adopted as that employed in the Twelfth Census for the general population of the country.

The occupations of the deaf are also considered in connection with sex, race, and education, so that the occupations of the whites can be compared with those of the colored, and the occupations of the educated deaf contrasted with those of the uneducated. In relation to the educated deaf, the kind of school attended is noted, so that the occupations of those who have been educated in special schools for the deaf may be compared with the occupations of those who have been educated in the ordinary public schools of the country, or who have not been educated at all.

Another difference relates to the classification of the deaf themselves.

In the earlier Census reports the attempt was made to enumerate the "deaf and dumb" alone, excluding all of the deaf who could speak. In the Tenth Census all persons who lost hearing before they reached the age of 16 years were classed as "deaf and dumb," whether they could speak or not; and in the Eleventh Census the deaf were divided into two broad classes based upon their ability to speak, viz, "the deaf and dumb" and "the deaf but not dumb."

In the present report the age or period of life when deafness occurred is adopted as the basis of classification; and the deaf are divided into two broad classes quite independently of their ability to speak—"the deaf from childhood" and "the deaf from adult life."

The ability to speak is an acquired condition, and not, therefore, suitable as a basis for classification. Speech is usually acquired through hearing and imitation, but it may also be acquired (independently of hearing) through special instruction; and, as a matter of fact, many deaf mutes are now taught to speak in a more or less intelligible manner. These cases make their appearance in the census returns as "deaf but not dumb," thus apparently reducing the numbers of the class "deaf and dumb," to which they originally belonged.

It is very desirable that the classification of the deaf should be based upon a natural condition which can not be changed. The age or period of life when deafness occurred is a condition of this kind, and the deaf and dumb, whether they have been taught to speak or not, belong naturally to the class "deaf from childhood," and are thus differentiated from that large class of speaking persons who lost hearing in adult life.

Another noteworthy difference between this and former reports consists in the copious use of graphical diagrams upon a small scale, illustrating the tables. The smallness of the scale employed reduces to insignificance minor details, in which only small numbers are involved, thus bringing out clearly in relief the really salient features of the tables. The diagrams give a sort of bird's-eye view of the general features of the tables, and when closer inspection is desired the tables themselves give the details.

All the information tabulated by the Census Bureau concerning the deaf will be found fully elaborated in the general tables. All other tables used in this report have been compiled from these. Tables 1 to 10 of the general tables are summary tables, giving a survey of the whole scope of the investigation.

COMPARISON WITH FORMER CENSUSES.

In taking the earlier censuses (1830 to 1870) the enumerators were instructed to return only those who were actually deaf and dumb; but in 1880 it was recognized that many of the so-called deaf and dumb could speak—imperfectly perhaps, but still sufficiently to enable them to escape enumeration as persons totally deprived of the power of utterance. It was thus seen that the plan of limiting the returns to those who were unable to articulate failed to secure a full census of the class intended to be enumerated; and in taking the census of 1880 the plan was adopted of

considering all persons who lost hearing in childhood as belonging naturally to the class "deaf and dumb," whether, as a matter of fact, they were able to speak or not.

This same plan has been adopted in the present census, but it has been deemed advisable to extend the age limits assigned to "childhood" from 15 years (1880) to 19 years (1900), for the reason that special schools for the deaf and dumb are open to all deaf children of school age. All persons, therefore, who lost hearing before the age of 20 are admissible as pupils, and this quite irrespectively of their ability to speak. It has also been deemed advisable in the present report to designate this class as "the deaf from childhood (under 20)," rather than the "deaf and dumb;" for it is manifestly incorrect to label as "deaf and dumb" a class of persons containing many members who can speak. For this reason the "deaf and dumb" of 1880 would more properly be termed "the deaf from childhood (under 16)."

The inclusion of speaking persons in the returns of the deaf and dumb for 1880 is probably the main cause of the increased ratio per million noted for that census (Diagram 1).

There are other causes, however. Previously to 1880 the accuracy of the census returns depended upon the enumerators alone, for there was no possibility of going behind their returns and correcting errors; but in 1880 the Census Bureau entered into correspondence with physicians residing in all parts of the country, through whose agency the enumerators' returns were checked and verified. Many names of deaf-mutes who had been overlooked by the enumerators were supplied to the Census Bureau by the physicians.

This correspondence revealed the fact, which has been amply substantiated by the experience of the present census, that the returns of the ordinary enumerators regarding the deaf, or deaf and dumb, are erroneous in a large proportion of cases, and need correction and verification before being made the basis of statistical inquiries.

In 1890 a new departure was made. Previously to that year the census returns related to a portion only of the deaf and not the whole, viz, the deaf and dumb (1830 to 1870), or those who were supposed to belong naturally to that class, even though they could speak (1880); but in 1890, instead of relying upon the enumerators to make the distinction desired, the attempt was made to take a census of the whole number of the deaf, and to have the dividing line drawn by experts in the Census Office during the examination of the returns.

In 1890 the enumerators were instructed to make returns of all persons who were so deaf as to be unable to understand loudly shouted conversation, with the object of limiting the inquiry substantially to persons who were totally deaf.

The dividing line was drawn in accordance with the practice of the earlier censuses and not with that of 1880. The deaf were divided into two broad classes, viz, the "deaf and dumb" and the "deaf but not dumb." Deaf-mutes who had been taught to speak in oral schools were included among the "deaf but not dumb," but comparison was made with former censuses on the basis of the "deaf and dumb" alone.

Under such circumstances we would naturally expect to find a falling off in the ratio per million of population returned as deaf and dumb proportional to the activity displayed by the special schools in imparting speech to their pupils; and by reference to Diagram 1 it will be observed that there was a decrease in 1890 as compared with 1880.

This falling off, however, is more apparent than real, because the returns of the deaf and dumb for 1890 included only persons who were reported as unable to speak; whereas those for 1880 included all persons who lost hearing before reaching the age of 16 years, many of whom possessed some power of speech. The true comparison, therefore, should be made with the earlier censuses, in which the returns were limited to those who were *de facto* deaf and dumb.

In taking the Twelfth Census (1900) the plan of 1890 was adopted of taking a census of all of the deaf who were unable to understand loudly shouted conversation; but in accordance with a special statute of Congress the enumerators were required to report only the name, age, sex, and post office address of deaf, or deaf and dumb, persons discovered, leaving all other details to be ascertained by correspondence with the deaf persons themselves.

After all corrections had been made in the data secured for the present report, it was found that of those who had been correctly reported as deaf, the majority were able to understand loudly shouted conversation, in spite of the specific instructions to the enumerators that such persons were not to be returned. Out of 89,287 deaf, 37,426 were totally deaf and 51,861 could hear loudly shouted conversation. These latter cases were too numerous to be ignored in the tabulation of the results, and the returns have therefore been analyzed under the head of "partially deaf," although of course the cases reported constitute only a small fraction of the partially deaf of the country.

It must be difficult for enumerators, who are usually strangers to the persons they return, to decide definitely whether a person is or is not totally deaf; and we must credit the enumerators of the present census with the intention of fulfilling their instructions to the best of their ability. It is therefore probable that the majority of the partially deaf persons returned were laboring under serious defects of hearing, and were not simply "hard of hearing." They are believed, as a class, to be persons so deaf that it required correspondence with the persons themselves to ascertain the fact that they were not totally deaf.

In the present census the proportion of the popula-

tion reported as deaf and dumb (unable to speak at all) is less than one-half of that returned in 1890 (648 to the million in 1890, 321 to the million in 1900). (Diagram 1.)

In explanation it may be said that many thousands of persons who belong naturally to the class "deaf and dumb" are reported, or rather reported themselves, in the present census as able to speak; so that it is obvious that the increased activity in articulation teaching in our schools for the deaf is responsible for a considerable portion of this result.

It is doubtful, however, whether this explanation alone is sufficient to account for the great difference between the two censuses in this respect; and it is possible that there may have been an overestimate of the deaf and dumb in 1890 or an underestimate in the present census, or perhaps both suppositions may be correct.

The returns of the 1890 census were based upon the reports of the enumerators alone, without verification by correspondence with the deaf persons, as in 1900, or by correspondence with physicians, as in 1880. It is therefore probable that erroneous returns, similar to those discovered in 1880 and 1900 through correspondence, exist uncorrected in the returns for 1890.

On the other hand, several thousands of circular letters of inquiry, sent out to the addresses of persons reported as deaf by the enumerators of the present census, failed to bring any reply, in spite of repeated requests for information. These cases were therefore thrown out of the investigation as resting upon insufficient evidence. They may represent erroneous returns; but, on the other hand, it is possible that the enumerators were correct, and that the deaf persons reported belonged to illiterate families unable to respond by mail.

Whatever may be the deficiencies of the present census, the information actually compiled is authoritative so far as it goes, because it is based upon statements made by the deaf persons themselves, or by parents, guardians, or friends intimately acquainted with the condition of the deaf persons considered.

In addition to the "deaf and dumb" returned in 1890, 80,616 persons, or 1,287 per million of population, were reported as "deaf but not dumb," so that the whole number of deaf returned in the 1890 census was 121,178, or 1,935 per million of population; whereas, in the present census, 89,287 deaf are reported in all, constituting a ratio of 1,175 per million of population, and the number able to speak (including those who speak well and those who speak imperfectly) is 64,918, or 854 per million.

Table I shows the number of deaf and dumb returned at each census since 1830 and the ratio per million of population, the figures for the present census including only those of the deaf who are "unable to speak at all."

TABLE I.—*Number of deaf and dumb and the ratio per million of total population: 1830 to 1900.*

CENSUS.	Total population.	DEAF AND DUMB.	
		Number.	Ratio per 1,000,000 of population.
1830	12,866,020	6,106	475
1840	17,069,453	7,665	449
1850	23,191,876	9,803	423
1860	31,443,321	12,821	408
1870	38,558,371	16,205	420
1880	50,155,783	33,878	675
1890	62,622,250	40,592	648
1900	75,994,575	24,369	321

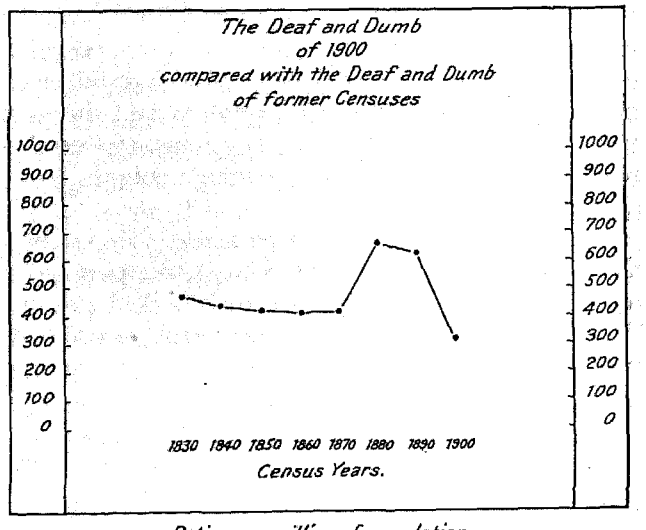
Table II shows the "deaf from childhood" of the present census compared with the "deaf and dumb" of former censuses.

TABLE II.—*Comparison of deaf from childhood in 1900 with deaf and dumb of former censuses: 1830 to 1900.*

CENSUS.	Number.	Ratio per 1,000,000 of population.
1830, deaf and dumb	6,106	475
1840, deaf and dumb	7,665	449
1850, deaf and dumb	9,803	423
[illegible]	12,821	408
[illegible]	16,205	420
1880, deaf and dumb	33,878	675
1890, deaf and dumb	40,592	648
1900, [illegible]	50,296	662
1900, [illegible]	51,871	682

The ratios per million of population given in Tables I and II are shown graphically in Diagrams 1 and 2.

Diagram 1.

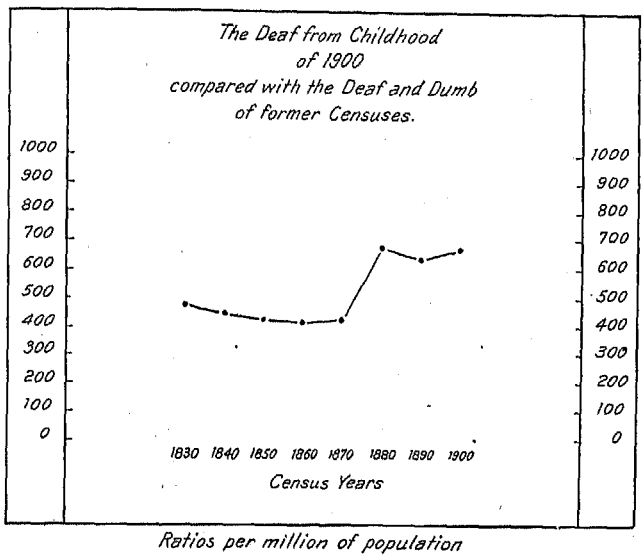


Ratios per million of population.

It is obvious at once from inspection of the diagrams that the returns of the different censuses are not fully comparable with one another. The earlier censuses (1830 to 1870) differ materially from the later (1880 to 1900).

The returns of the deaf and dumb of the present census are more comparable with those of the earlier censuses than with those of 1880 or 1890 (Diagram 1); and the deaf from childhood of the present census are more comparable with the deaf and dumb of 1880 and 1890 than with those of the earlier censuses (Diagram 2).

Diagram 2.



In 1890 the age or period of life when deafness occurred was noted both in the case of the "deaf and dumb" and the "deaf but not dumb," so that it is possible, by adding the two classes together, to institute a comparison between the 1890 and 1900 censuses upon this basis, as well as on the basis of ability to speak. This is done in Table III.

TABLE III.—*Number of deaf and ratio per million of total population, by period of life when deafness occurred and ability to speak: 1900 and 1890.*

PERIOD OF LIFE WHEN DEAFNESS OCCURRED AND ABILITY TO SPEAK.	NUMBER.		RATIO PER 1,000,000 OF POPULATION.	
	1900	1890	1900	1890
Total	89,287	121,178	1,175	1,935
Period of life when deafness occurred:				
Childhood (under 20)	50,296	52,827	662	844
Adult life (20 and over)	35,924	55,728	473	890
[illegible]	3,067	12,623	40	201
[illegible]	64,918	80,616	854	1,287
[illegible]	24,369	40,562	321	648

The deaf from childhood (under 20) constituted 844 to the million in 1890 and 662 to the million in 1900. The deaf from adult life (20 and over) constituted 890 to the million in 1890 and 473 to the million in 1900. The period of life when deafness occurred (whether childhood or adult life) was unknown in 12,623 cases, or 201 to the million, in 1890, and unknown in 3,067 cases, or 40 to the million, in 1900.

The discrepancy between the two censuses is not, therefore, confined to the deaf and dumb alone, but is manifest on all the points of comparison noted. It is therefore probable that in one or both censuses the returns themselves are defective—probably excessive in 1890 and deficient in 1900.

DISCUSSION OF THE RESULTS.

Age or period of life when deafness occurred.—The period of life when deafness occurred (whether childhood or adult life) was unknown in 10.4 per cent of the cases reported in 1890, but in only 3.4 per cent of the cases returned in 1900. It may be well, therefore, to emphasize the method by which this diminution in the proportion of unknown cases was effected in 1900.

In the circular letters of inquiry sent out by the Census Bureau the deaf persons were requested to state as accurately as possible the exact age when deafness occurred, and if this was unknown, to point out the period of life when it occurred (whether childhood or adult life). The returns showed that in 7,697 cases the exact age when deafness occurred was unknown or indefinitely stated: In 659 cases the persons were less than 20 years of age at the time the census was taken, and therefore lost hearing in childhood (under 20); in 404 cases the persons were reported to have become deaf in "infancy," in 1,227 cases in "childhood," and in 57 cases in "youth," making a total of 2,347 cases deaf from childhood (under 20); while in 1,224 cases the persons became deaf in "adult life," and in 1,059 cases in "old age," making a total of 2,283 cases deaf from adult life (20 and over), leaving a balance of 3,067 cases undetermined.

As the period of life when deafness occurred is adopted as the basis of classification in the present census, it is advisable to determine as accurately as possible the number of deaf from childhood (under 20) and from adult life (20 and over). There are 50,296 cases known to be deaf from childhood (under 20), and 35,924 cases deaf from adult life (20 and over); but it is estimated that the actual number deaf from childhood (under 20) is 51,871, and deaf from adult life (20 and over) 37,416.

In case the present classification is adopted in subsequent censuses, it may be well to point out the method by which this estimate has been made.

In 3,067 cases the period of life when deafness occurred is unknown. In these unknown cases, however, the numbers totally deaf and partially deaf were known, and also the numbers who could speak well, imperfectly, or not at all.

Table IV shows the percentage of the deaf who became deaf at known periods of age, by certain specified classes, and the application of the same in estimating the number of the *unknown* period who became deaf at the stated ages.

TABLE IV.—*Per cent distribution by period of life when deafness occurred of the deaf for whom the age when deafness occurred is known, and estimated number for whom age is unknown, by specified classes.*

CLASS.	PER CENT DISTRIBUTION OF THE DEAF FOR WHOM THE AGE WHEN DEAFNESS OCCURRED IS KNOWN.			NUMBER OF THE DEAF FOR WHOM THE AGE WHEN DEAFNESS OCCURRED IS UNKNOWN.		
	Total.	Becoming deaf in—		Total.	Estimated number becoming deaf in—	
		Childhood (under 20).	Adult life (20 and over).		Childhood (under 20).	Adult life (20 and over).
1. Total	100.0	58.3	41.7	3,067	1,788	1,279
2. Totally deaf	100.0	90.5	9.5	795	719	76
Partially deaf	100.0	34.6	65.4	2,272	786	1,486
3. Speak well	100.0	34.0	66.0	2,310	785	1,525
Imperfectly	100.0	93.3	6.7	254	237	17
Not at all	100.0	99.2	0.8	503	499	4
4. Totally deaf:						
Speak well	100.0	58.8	41.2	246	145	101
Imperfectly	100.0	97.2	2.8	99	96	3
Not at all	100.0	99.5	0.5	450	448	2
Partially deaf:						
Speak well	100.0	29.7	70.3	2,064	613	1,451
Imperfectly	100.0	86.3	13.7	155	134	21
Not at all	100.0	92.8	7.2	53	49	4
1. First estimate				3,067	1,788	1,279
2. Second estimate				3,067	1,505	1,562
3. Third estimate				3,067	1,521	1,546
4. Fourth estimate				3,067	1,485	1,582
Mean of four estimates				3,067	1,575	1,492

The percentages given in Table IV afford us means of estimating, in various ways, how many of these 3,067 cases were deaf from childhood, and how many were deaf from adult life. For example, taking all the cases in which the period of life when deafness occurred was known, 58.3 per cent were deaf from childhood and 41.7 per cent from adult life. Therefore, if these percentages hold good for the unknown cases, 58.3 per cent of the 3,067 cases were deaf from childhood and 41.7 per cent from adult life. This first estimate gives us 1,788 deaf from childhood and 1,279 deaf from adult life.

Again, the percentages in Table IV show that 90.5 per cent of the totally deaf were deaf from childhood. Of the 3,067 unknown cases, 795 were totally deaf, and 90.5 per cent of this number gives us 719 cases as totally deaf from childhood, etc. The percentages in Table IV enable us to make four distinct estimates of this character, and the mean of the four estimates yields the following results:

Out of a total of 3,067 cases in which the period of life when deafness occurred was unknown, 1,575 were probably deaf from childhood (under 20), and 1,492 from adult life. Adding these to the totals known to be deaf from childhood and adult life, we obtain the results shown in Table V.

One of the main objects of comparing one census with another is to determine, from an inspection of returns compiled at different times, whether the proportion of the population deaf, or deaf and dumb, is increasing or diminishing. Unfortunately the existing censuses are not sufficiently comparable with one another to enable us to do this, since no uniform plan was adopted in the collection of the statistics.

Some light, however, may be thrown upon the subject from the returns of a single census by comparing the present ages of the deaf with the ages of the whole population. If deafness is increasing, we should naturally expect to find a larger proportion of deaf among the younger persons than among the older.

TABLE V.—*The deaf, by period of life when deafness occurred.*

PERIOD OF LIFE WHEN DEAFNESS OCCURRED.	THE DEAF.		
	Total.	Estimated number becoming deaf in—	
		Childhood (under 20).	Adult life (20 and over).
Total	89,287	51,871	37,416
Known	86,220	50,296	35,924
Unknown	3,067	1,575	1,492

The difficulty in making such a comparison lies in the fact that deafness occurs at different ages, so that it would not be possible to include the whole of the deaf in one determination. It so happens that the great mass of the deaf and dumb lost hearing before the age of 5, so that in their case we have a considerable aggregate with comparatively slight differences in the age when deafness occurred; and in the deaf from birth, we have a large subgroup in which no differences at all exist in this respect.

Table VI shows the present ages of the whole population of the United States in 1900 by five-year periods, and the present ages of the totally deaf from early childhood (under 5)—all of whom are, naturally, deaf and dumb—distinguishing the congenital from the noncongenital cases. The table also shows the proportion deaf per million of population of the same age.

The ratios contained in Table VI are shown graphically in Diagrams 3, 4, and 5.

In these three diagrams the dotted lines represent returns that are known to be incomplete. It is always found to be the case that deaf children under 10 years of age are incompletely returned, and the younger the deaf children the less complete are the returns.

It is obvious from inspection of Table VI that the proportion of the population totally deaf from early childhood (under 5) is greater among the younger persons than among the older (Diagram 3).

Referring to Diagram 4, there seems to be no substantial difference among the older persons in the ratio per million totally deaf from birth, but among the younger the ratio per million is very much greater. For example, the totally deaf from birth constitute

135 to the million among persons 30 to 35 years of age, and 282 to the million among persons 10 to 15 years of age—a ratio more than double the former. This result is probably due to the prevalence of intermarriages among the deaf and dumb during the latter part of the nineteenth century. Some of these unions have been productive of deaf offspring, who belong largely to the class of totally deaf from birth. The deaf, both of whose parents were deaf and dumb, are mostly young, few of them having reached middle life.

TABLE VI.—*The totally deaf from early childhood, by period when deafness occurred and present age, compared with total population.*

PRESENT AGE.	Total population.	THE TOTALLY DEAF FROM EARLY CHILDHOOD (UNDER 5).					
		Total.	When deafness occurred.		Ratio per 1,000,000 of population of same age.		
			At birth.	After birth.	Total.	At birth.	After birth.
Total	75,994,575	26,152	12,609	13,543	344	166	178
Present age:							
Not stated	200,584	94	62	32	469	309	160
Stated	75,793,991	26,058	12,547	13,511	344	166	178
Under 5	9,170,628	846	446	400	92	49	43
5 and under 10	8,874,123	3,245	1,674	1,571	366	189	177
10 and under 15	8,080,234	4,390	2,281	2,118	544	282	262
15 and under 20	7,556,089	3,784	1,937	1,847	501	256	245
20 and under 25	7,335,016	2,422	1,128	1,294	330	154	176
25 and under 30	6,529,441	2,424	888	1,536	371	136	235
30 and under 35	5,556,039	1,962	749	1,213	353	135	218
35 and under 40	4,964,781	1,858	696	1,162	374	140	234
40 and under 45	4,247,166	1,297	648	649	305	152	153
45 and under 50	3,454,612	1,024	516	508	296	149	147
50 and under 55	2,942,829	895	492	403	304	167	137
55 and under 60	2,211,172	664	343	321	300	155	145
60 and under 65	1,701,363	483	278	205	270	155	115
65 and under 70	1,302,926	325	198	127	249	152	97
70 and under 75	883,841	214	136	78	242	154	88
75 and under 80	519,857	132	81	51	254	156	98
80 and under 85	251,512	53	37	16	211	147	64
85 and under 90	88,600	19	12	7	.....	.....	.....
90 and under 95	23,992	10	5	5	.....	.....	.....
95 and under 100	6,266	2	2	.....	.....	.....	.....
100 and over	3,504	.....	.....	.....	.....	.....	.....

Referring to Diagram 5, relating to the noncongenital cases among the totally deaf from early childhood, the curve is more irregular than in the case of those deaf from birth, as would naturally be expected when we consider these persons became deaf from apparently adventitious causes, some of which are of an epidemical nature, like cerebro-spinal meningitis. Upon the whole, the proportion deaf is greater among the younger persons than the older, and proportionally greater as the age is younger. It is not clear that we can interpret the figures to mean that the proportion of the population noncongenitally deaf (under 5) is increasing more rapidly than the population; for a curve of similar character to that in Diagram 5 would be produced upon the assumption that the death rate is greater in these cases than in the population at large, which is not unlikely to be the case when we consider the fact that these persons lost hearing from severe illnesses which must have tried their constitutions.

Diagram 3.

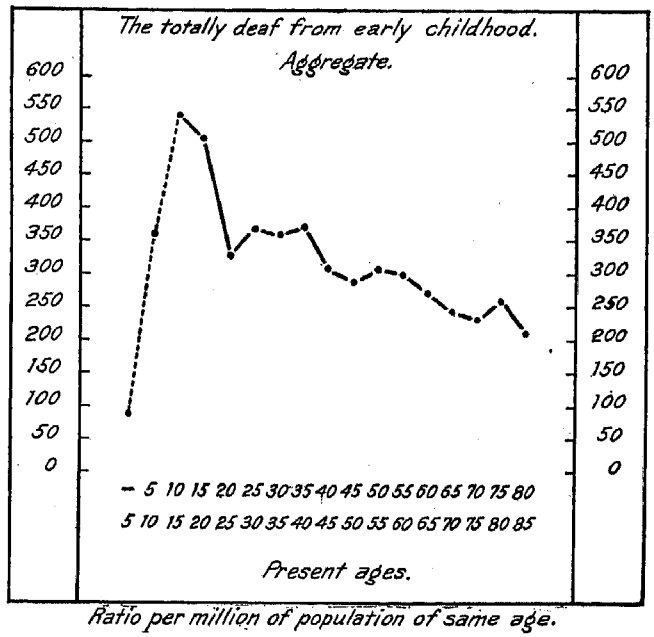


Diagram 4.

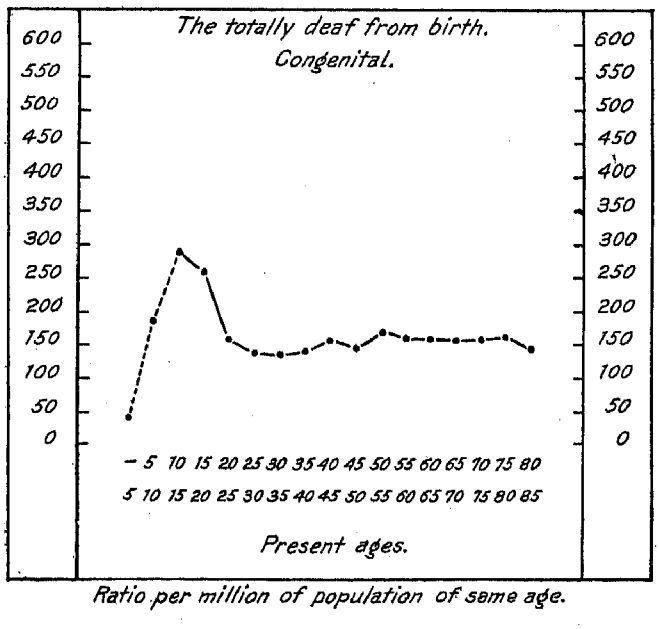
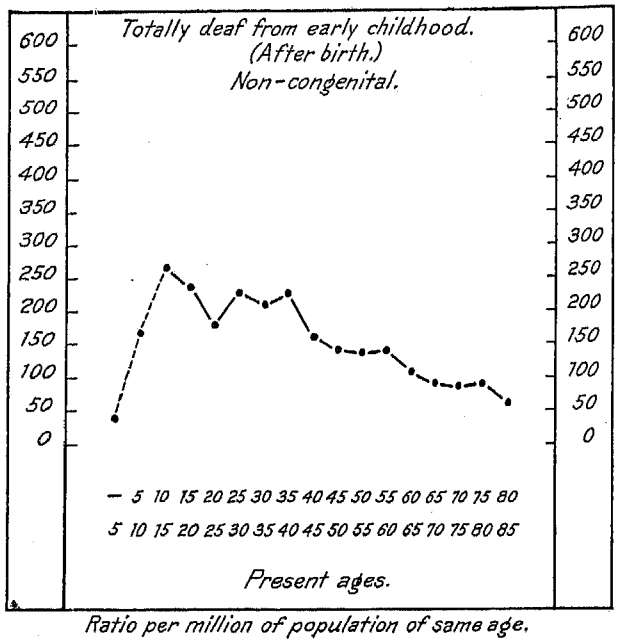


Diagram 5.



Age when deafness occurred for the whole of the deaf.—The age when deafness occurred is definitely stated in 81,590 cases, and of these, 59 per cent became deaf before reaching the age of 20 years, 48 per cent became deaf before reaching the age of 10 years, 40 per cent became deaf before reaching the age of 5 years, and 18 per cent were born deaf. One-half of the deaf lost hearing before they were 11 years old.

Diagrams 6 and 7 illustrate in graphical form the figures contained in Table XI and Table 17.

Diagram 6.

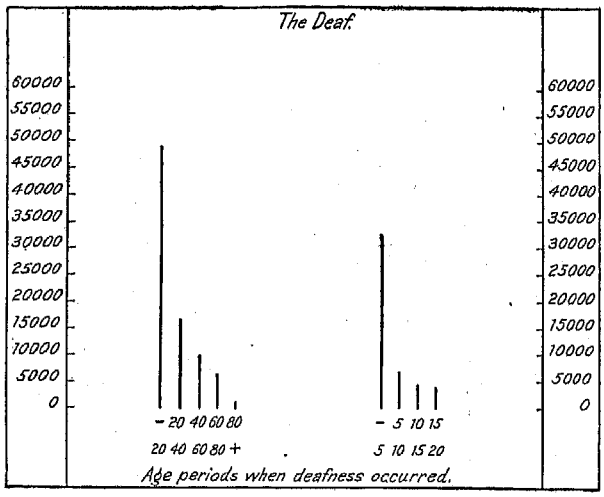
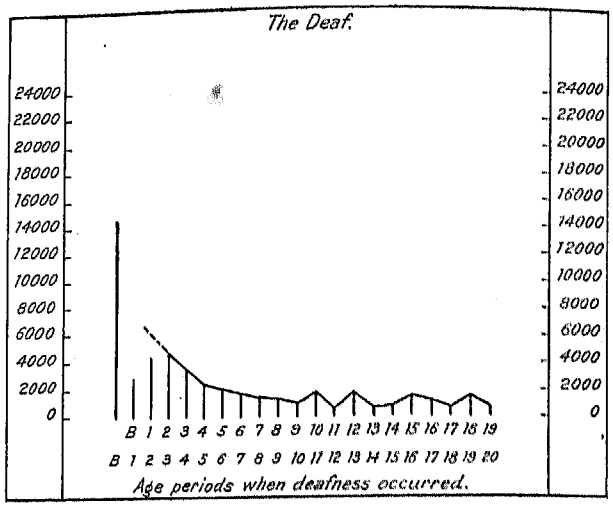


Diagram 7.



The large number returned as deaf from birth and the small number reported deaf during the first and second years of life after birth (Diagram 7), is suggestive of some inaccuracy in the returns; and this is extremely probable, for the reason that in many if not in most cases the fact that an infant is deaf is not discovered, or is not certainly known, until after he is 2 years of age. At or about the age of 2 most children begin to speak, but the deaf child does not. This speechless condition attracts attention and he is then found to be also deaf. If during his infancy he has had some serious illness, the deafness is naturally attributed to that; if not, the natural assumption is that he was born deaf. It is probable that some of those reported deaf from birth really lost hearing in infancy after birth, and that some of those reported deaf from infancy after birth were really born deaf. The irregularity of the figures suggests that, on the whole, too many are returned as deaf from birth and too few as deaf during the first and second years of life after birth.

The deaf from childhood of the census of 1900 compared with the deaf and dumb of former censuses, by states and territories.—In Tables 8 and 9 the deaf from childhood of the census of 1900 are compared with the deaf and dumb of former censuses, by states and territories.

The New England states, and especially Connecticut, show a larger proportion of deaf than the average for the United States as a whole. From 1830 to 1860 Kentucky showed a relatively large ratio of deaf and dumb as compared with the ratios of surrounding states. In 1870 Indiana, Kentucky, and North Caro-

lina became conspicuous in this respect. In 1880 the predominance of Indiana over its neighboring states became very marked, and this predominance has continued up to the latest census (1900).

From 1830 to 1860 the largest ratios appeared in Connecticut, and since 1860, in the District of Columbia. In both cases, however, the ratios are fallacious, because of the existence in these parts of the country of schools for the deaf which draw pupils from the whole of the United States, whereas the ratios are based upon the local population alone. During the first half of the nineteenth century the American School for the Deaf in Hartford, Conn. (then known as the American Asylum for Deaf-Mutes), drew pupils from the whole of the United States; but as special schools for the deaf multiplied the supply of pupils from the more distant states was practically cut off and the school attendance became more local in character. Even to-day, however, the school is by no means representative of Connecticut alone, for it draws pupils from all of the New England states, a portion only coming from Connecticut. The predominance of the District of Columbia since 1860 is due to the existence within the District of the Columbian Institution for the Deaf and Dumb, with its primary and collegiate departments, known as the Kendall School, and Gallaudet College (formerly the National Deaf-Mute College). Both primary and collegiate departments draw pupils from outside the District of Columbia. Gallaudet College particularly, being the only special school in the country for the higher education of the deaf, attracts deaf students from all parts of the United States.

The tables show a large proportion of deaf in the New England states, especially Maine, New Hampshire, and Vermont. Scarlet fever, measles, and other diseases causing inflammation and abscess in the middle ear are the predominating causes, especially in Vermont and New Hampshire, and congenital deafness is frequent in Maine. Nonsuppurative or catarrhal affections of the middle ear are also frequent in these states, but catarrh, colds, etc., cause deafness chiefly in adults rather than in children, and do not appear as prominent causes of deafness among the deaf from childhood or deaf and dumb. In their case scarlet fever seems to be the principal cause.

The cause of the local congestion of the deaf in Kentucky from 1830 to 1860, and its extension in 1870 to North Carolina and Indiana, is unknown; but the Indiana congestion of 1880 appears to have been due chiefly to an epidemic of cerebro-spinal meningitis. This seems to be the same disease formerly known as spotted fever, and it is not improbable that brain fever is another name for it. The persistence of the Indiana congestion up to the present census year, 1900, appears to be due, in part at least, to the same cause.

Geographic distribution of the deaf.—Tables VII, VIII, and IX relate to the geographic distribution of the deaf, by states and territories.

Table VII shows the deaf, by age or period of life when deafness occurred, for states and territories.

Table VIII shows the deaf by degree of deafness, also the deaf from childhood and the totally deaf from early childhood, distinguished as deaf from birth and as deaf subsequent to birth, for states and territories.

Table IX shows the deaf, by race, nativity (of whites), present age, and ability to speak, for states and territories.

Table X gives the ratios per million of total population for the classes of deaf shown in Tables VII, VIII, and IX.

TABLE VII.—THE DEAF, BY PERIOD OF LIFE WHEN DEAFNESS OCCURRED, FOR STATES AND TERRITORIES.

STATE OR TERRITORY.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.														
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Under 20.							20 and over.				
					Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.
Continental United States	89,287	50,296	35,924	3,067	14,474	7,396	10,536	7,018	4,464	4,061	2,347	16,588	9,437	6,595	1,021	2,283
North Atlantic division	28,632	14,161	13,224	1,247	3,468	1,772	3,113	2,261	1,435	1,401	711	5,852	3,387	2,513	427	1,045
New England	8,854	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	462	464	209	1,954	1,129	915	180	355
Maine	1,257	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	58	56	29	300	158	120	20	35
New Hampshire	762	305	420	37	57	34	84	30	45	34	21	173	106	86	19	36
Vermont	723	238	467	18	29	29	48	36	40	40	16	183	128	108	16	32
Massachusetts	4,015	1,838	2,019	158	432	226	358	286	216	223	97	880	477	408	78	176
Rhode Island	583	274	285	24	56	24	60	60	33	26	15	132	75	47	13	18
Connecticut	1,514	730	709	75	190	80	161	113	70	85	31	286	185	146	34	58
Southern North Atlantic	19,778	10,179	8,691	908	2,518	1,304	2,289	1,656	973	937	502	3,898	2,258	1,598	247	690
New York	9,946	5,011	4,499	436	1,178	674	1,189	783	459	445	283	1,908	1,150	914	136	391
New Jersey	2,285	1,066	1,123	96	229	96	203	215	138	132	53	524	309	177	42	71
Pennsylvania	7,547	4,102	3,069	376	1,111	534	897	658	376	360	166	1,466	799	507	69	228
South Atlantic division	10,193	6,510	3,379	304	2,721	718	968	775	559	465	304	1,564	923	593	71	228
Northern South Atlantic	5,400	3,229	1,988	183	1,152	358	553	442	312	251	161	930	527	341	41	149
Delaware	255	119	129	7	36	11	19	20	16	13	4	59	40	20	.....	10
Maryland	1,579	850	676	53	291	66	157	124	88	77	47	329	182	112	13	40
District of Columbia	507	280	212	15	51	31	56	58	35	22	27	82	43	33	3	51
Virginia	1,913	1,193	653	67	527	122	157	132	111	92	52	293	182	119	21	38
West Virginia	1,146	787	318	41	247	128	164	108	62	47	31	167	80	57	4	10
Southern South Atlantic	4,793	3,281	1,391	121	1,569	360	415	333	247	214	143	634	396	252	30	79
North Carolina	1,642	1,197	409	36	646	134	147	89	67	61	53	183	111	84	13	18
South Carolina	952	655	275	22	333	66	73	59	51	50	23	109	78	58	8	22
Georgia	1,817	1,199	565	53	502	128	166	154	111	84	54	276	167	88	8	26
Florida	382	230	142	10	88	32	29	31	18	19	13	66	40	22	1	13
North Central division	34,076	19,358	13,676	1,042	4,603	3,368	4,590	2,760	1,689	1,509	839	6,561	3,589	2,436	379	711
Eastern North Central	21,618	12,021	8,904	693	2,823	2,037	2,872	1,696	1,080	987	526	4,210	2,322	1,607	269	496
Ohio	6,080	3,115	2,744	221	790	440	745	440	287	285	128	1,286	714	503	75	166
Indiana	3,607	2,093	1,421	93	447	431	509	276	187	165	78	667	399	227	55	73
Illinois	6,053	3,439	2,423	191	706	622	831	513	302	291	174	1,164	604	460	59	136
Michigan	3,402	1,883	1,434	85	413	305	462	269	191	170	73	693	391	244	45	61
Wisconsin	2,476	1,491	882	103	467	239	325	198	113	76	73	400	214	173	35	60
Western North Central	12,458	7,337	4,772	349	1,780	1,331	1,718	1,064	609	522	313	2,351	1,267	829	110	215
Minnesota	1,738	1,085	594	59	325	222	227	150	81	54	26	318	149	89	16	22
Iowa	2,952	1,622	1,256	74	336	278	379	245	168	149	67	593	337	227	34	65
Missouri	3,766	2,302	1,367	97	578	412	547	347	177	146	95	658	364	255	23	67
North Dakota	256	176	70	10	48	34	47	21	12	7	7	42	17	10	.....	1
South Dakota	430	261	156	13	52	42	63	44	22	18	20	97	35	19	1	4
Nebraska	1,220	711	475	34	161	120	171	97	48	61	53	238	114	84	19	20
Kansas	2,096	1,180	854	62	280	223	284	160	101	87	45	405	251	145	17	36
South Central division	12,322	8,131	3,862	329	3,164	1,182	1,401	913	587	477	407	1,748	1,082	730	98	204
Eastern South Central	6,968	4,576	2,178	214	1,832	597	774	526	357	269	221	917	625	463	66	107
Kentucky	2,619	1,719	812	88	630	240	322	210	151	100	66	353	208	187	23	41
Tennessee	2,026	1,331	638	57	554	186	231	135	77	73	75	267	196	134	15	26
Alabama	1,333	866	427	40	370	95	131	107	69	55	39	181	126	81	14	25
Mississippi	990	660	301	29	278	76	90	74	60	41	41	116	95	61	14	15
Western South Central	5,354	3,555	1,684	115	1,332	585	627	387	230	208	186	831	457	267	32	97
Louisiana	1,211	731	444	36	363	63	84	78	53	57	33	209	116	72	13	34
Arkansas	1,317	906	382	29	328	119	190	114	52	45	58	175	110	71	2	24
Indian Territory	228	161	64	3	43	41	31	18	12	10	6	33	24	5	.....	2
Oklahoma	282	198	77	7	51	50	44	20	14	10	9	55	13	7	1	1
Texas	2,316	1,559	717	40	547	312	278	157	99	86	80	359	194	112	16	36
Western division	4,064	2,136	1,783	145	518	356	464	309	194	209	86	863	456	323	46	95
Rocky Mountain	1,076	589	447	40	149	101	127	75	55	62	20	213	107	86	12	29
Montana	126	87	37	2	16	20	23	11	5	11	1	18	13	5	.....	1
Idaho	146	79	60	7	17	13	20	9	5	12	3	38	9	10	1	2
Wyoming	29	13	16	.....	2	1	4	3	1	2	.....	14	2	.....	.....	.....
Colorado	472	262	193	17	52	59	55	32	29	25	10	107	46	28	5	7
New Mexico	303	148	141	14	62	8	25	20	15	12	6	36	37	43	6	19
Basin and Plateau	455	260	183	12	64	51	65	32	19	22	7	89	44	41	5	4
Arizona	51	25	24	2	5	6	7	3	2	1	1	14	6	2	1	1
Utah	343	215	123	5	54	43	57	26	12	19	4	60	32	26	4	1
Nevada	61	20	36	5	5	2	1	3	5	2	2	15	6	13	.....	2
Pacific	2,533	1,287	1,153	93	305	204	272	202	120	125	59	561	305	196	29	62
Washington	374	222	145	7	48	39	48	39	19	20	9	82	38	14	5	6
Oregon	410	252	151	7	52	52	62	38	16	20	12	83	40	22	2	4
California	1,749	813	857	79	205	113	162	125	85	85	38	396	227	160	22	52

TABLE VIII.—THE DEAF, THE DEAF FROM CHILDHOOD, AND THE TOTALLY DEAF FROM EARLY CHILDHOOD, COMPARED WITH TOTAL POPULATION, FOR STATES AND TERRITORIES.

STATE OR TERRITORY.	Total population.	THE DEAF.			DEAF FROM CHILDHOOD (UNDER 20).			TOTALLY DEAF FROM EARLY CHILDHOOD (UNDER 5).		
		Total.	Totally deaf.	Partially deaf.	Total.	Deafness occurring— At birth.	Deafness occurring— After birth.	Total.	Deafness occurring— At birth.	Deafness occurring— After birth.
Continental United States	75,994,575	89,287	37,426	51,861	50,296	14,474	35,822	26,152	12,609	13,543
North Atlantic division	21,046,695	28,632	10,380	18,252	14,161	3,468	10,693	6,739	3,055	3,684
New England	5,592,017	8,854	2,806	6,048	3,982	950	3,032	1,785	845	940
Maine	694,466	1,257	456	801	597	186	411	303	172	131
New Hampshire	411,588	762	211	551	305	57	248	139	51	88
Vermont	343,641	723	158	565	238	29	209	69	25	44
[illegible]	2,805,346	4,015	1,283	2,732	1,838	432	1,406	825	383	442
[illegible]	428,556	583	172	411	274	56	218	105	53	52
[illegible]	908,420	1,514	526	988	730	190	540	344	161	183
Southern North Atlantic	15,454,678	19,778	7,574	12,204	10,179	2,518	7,661	4,954	2,210	2,744
New York	7,268,894	9,946	3,751	6,195	5,011	1,178	3,833	2,498	1,051	1,447
New Jersey	1,883,669	2,285	720	1,565	1,066	229	837	422	209	213
Pennsylvania	6,302,115	7,547	3,103	4,444	4,102	1,111	2,991	2,034	950	1,084
South Atlantic division	10,443,480	10,193	4,778	5,415	6,510	2,721	3,789	3,561	2,349	1,212
Northern South Atlantic	4,464,481	5,400	2,343	3,057	3,229	1,152	2,077	1,663	998	665
Delaware	184,735	255	79	176	119	36	83	50	32	18
Maryland	1,188,044	1,579	613	966	850	291	559	423	259	164
District of Columbia	278,718	507	212	295	280	51	229	111	41	70
Virginia	1,854,184	1,913	880	1,033	1,193	527	666	662	459	203
West Virginia	958,800	1,146	559	587	787	247	540	417	207	210
Southern South Atlantic	5,978,999	4,793	2,435	2,358	3,281	1,569	1,712	1,898	1,351	547
North Carolina	1,893,810	1,642	920	722	1,197	646	551	753	548	205
South Carolina	1,340,316	952	500	452	655	333	322	390	294	96
Georgia	2,216,331	1,817	846	971	1,199	502	697	630	430	200
Florida	528,542	382	169	213	230	88	142	125	79	46
North Central division	26,333,004	34,076	14,762	19,314	19,358	4,603	14,755	10,237	4,021	6,216
Eastern North Central	15,985,581	21,618	9,151	12,467	12,021	2,823	9,198	6,280	2,473	3,807
Ohio	4,157,545	6,080	2,431	3,649	3,115	790	2,325	1,615	696	919
Indiana	2,516,462	3,607	1,638	1,969	2,093	447	1,646	1,169	413	756
Illinois	4,821,550	6,053	2,564	3,489	3,439	706	2,733	1,761	627	1,134
[illegible]	2,420,982	3,402	1,337	2,065	1,883	413	1,470	907	337	570
[illegible]	2,069,042	2,476	1,181	1,295	1,491	467	1,024	828	400	428
Western North Central	10,347,423	12,458	5,611	6,847	7,337	1,780	5,557	3,957	1,548	2,409
Minnesota	1,751,394	1,738	862	876	1,085	325	760	631	268	363
Iowa	2,231,853	2,952	1,200	1,752	1,622	336	1,286	802	297	505
Missouri	3,106,665	3,766	1,776	1,990	2,302	578	1,724	1,271	515	756
North Dakota	319,146	256	135	121	176	48	128	108	42	66
South Dakota	401,570	430	191	239	261	52	209	122	45	77
Nebraska	1,066,300	1,220	522	698	711	161	550	358	132	226
Kansas	1,470,495	2,096	925	1,171	1,180	280	900	665	249	416
South Central division	14,080,047	12,322	5,963	6,359	8,131	3,164	4,967	4,562	2,756	1,806
Eastern South Central	7,547,757	6,968	3,362	3,606	4,576	1,832	2,744	2,554	1,605	949
Kentucky	2,147,174	2,619	1,257	1,362	1,719	630	1,089	940	545	395
Tennessee	2,020,616	2,026	984	1,042	1,331	554	777	780	501	279
Alabama	1,828,697	1,333	609	724	866	370	496	465	314	151
Mississippi	1,551,270	990	512	478	660	278	382	369	245	124
Western South Central	6,532,290	5,354	2,601	2,753	3,555	1,332	2,223	2,008	1,151	857
Louisiana	1,381,625	1,211	527	684	731	363	368	410	312	98
Arkansas	1,311,564	1,317	664	653	906	328	578	499	285	214
Indian Territory	392,060	228	94	134	161	43	118	73	28	45
Oklahoma	398,331	282	164	118	198	51	147	122	40	82
Texas	3,048,710	2,316	1,152	1,164	1,559	547	1,012	904	486	418
Western division	4,091,349	4,064	1,543	2,521	2,136	518	1,618	1,053	428	625
Rocky Mountain	1,232,642	1,076	391	685	589	149	440	267	111	156
Montana	243,329	126	70	56	87	16	71	48	12	36
Idaho	161,772	146	51	95	79	17	62	37	12	25
Wyoming	92,531	29	9	20	13	2	11	7	2	5
Colorado	539,700	472	176	296	262	52	210	119	42	77
New Mexico	195,310	303	85	218	148	62	86	56	43	13
Basin and Plateau	442,015	455	200	255	260	64	196	147	53	94
Arizona	122,931	51	25	26	25	5	20	16	5	11
Utah	276,749	343	156	187	215	54	161	125	44	81
Nevada	42,335	61	19	42	20	5	15	6	4	2
Pacific	2,416,692	2,533	952	1,581	1,287	305	982	639	264	375
Washington	518,103	374	168	206	222	48	174	100	36	64
Oregon	413,536	410	193	217	252	52	200	141	45	96
California	1,485,053	1,749	591	1,158	813	205	608	398	183	215

TABLE IX.—THE DEAF, BY RACE, NATIVITY OF WHITES, PRESENT AGE, AND ABILITY TO SPEAK, FOR STATES AND TERRITORIES.

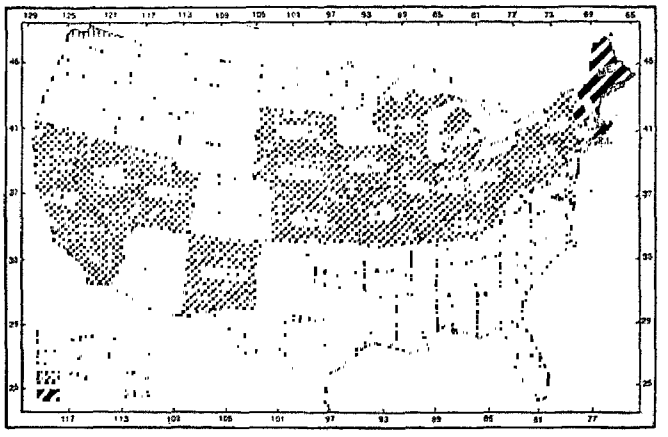
STATE OR TERRITORY.	Total.	RACE.		NATIVITY OF WHITES.			PRESENT AGE.			ABILITY TO SPEAK.		
		White.	Colored.	Native.	Foreign born.	Unknown.	Under 20.	20 and over.	Unknown.	Well.	Imperfectly.	Not at all.
Continental United States	89,287	84,361	4,926	69,865	13,786	710	18,358	70,602	327	55,501	9,417	24,369
North Atlantic division	28,632	28,459	173	23,222	5,114	123	4,222	24,335	75	20,376	3,003	5,253
New England	8,854	8,815	39	7,291	1,493	31	981	7,849	24	6,843	732	1,279
Maine	1,257	1,256	1	1,140	114	2	144	1,110	3	895	125	237
New Hampshire	762	762	.....	665	91	6	37	724	1	604	47	111
Vermont	723	723	.....	613	106	4	27	693	3	641	22	60
Massachusetts	4,015	3,994	21	3,165	817	12	472	3,531	12	3,082	371	562
Rhode Island	583	573	10	447	126	.....	83	498	2	490	40	53
Connecticut	1,514	1,507	7	1,261	239	7	218	1,293	3	1,131	127	256
Southern North Atlantic	19,778	19,644	134	15,931	3,621	92	3,241	16,486	51	13,533	2,271	3,974
New York	9,946	9,898	48	7,656	2,202	40	1,713	8,205	28	6,901	1,181	1,864
New Jersey	2,285	2,256	29	1,855	394	7	276	2,006	3	1,705	189	391
Pennsylvania	7,547	7,490	57	6,420	1,025	45	1,252	6,275	20	4,927	901	1,719
South Atlantic division	10,193	8,060	2,133	7,514	406	140	2,745	7,385	63	5,432	1,088	3,673
Northern South Atlantic	5,400	4,696	704	4,300	339	57	1,192	4,179	29	3,134	576	1,690
Delaware	255	237	18	217	19	1	28	224	3	186	22	47
Maryland	1,579	1,364	215	1,194	142	28	255	1,320	4	1,026	158	395
District of Columbia	507	436	71	343	92	1	74	430	3	360	72	75
Virginia	1,913	1,531	382	1,473	49	9	489	1,410	14	1,007	200	706
West Virginia	1,146	1,128	18	1,073	37	18	346	795	5	555	124	467
Southern South Atlantic	4,793	3,364	1,429	3,214	67	83	1,553	3,206	34	2,298	512	1,983
North Carolina	1,642	1,304	338	1,215	14	75	626	1,000	16	707	199	736
South Carolina	952	520	432	506	12	2	302	648	2	423	102	427
Georgia	1,817	1,268	549	1,245	20	3	527	1,276	14	948	181	688
Florida	382	272	110	248	21	3	98	282	2	220	30	132
North Central division	34,076	33,661	415	26,579	6,807	275	6,675	27,301	100	20,771	3,589	9,716
Eastern North Central	21,618	21,469	149	16,984	4,315	170	4,013	17,548	57	13,560	2,424	5,634
Ohio	6,080	6,021	59	5,026	955	40	951	5,116	13	3,914	656	1,510
Indiana	3,607	3,584	23	3,222	345	17	644	2,951	12	2,156	348	1,103
Illinois	6,053	6,014	39	4,587	1,335	92	1,238	4,794	21	3,802	789	1,462
Michigan	3,402	3,386	16	2,551	820	15	622	2,772	8	2,288	313	801
Wisconsin	2,476	2,464	12	1,598	860	6	558	1,915	3	1,400	318	758
Western North Central	12,458	12,192	266	9,595	2,492	105	2,662	9,753	43	7,211	1,165	4,082
Minnesota												
Iowa												
Missouri												
North Dakota												
South Dakota												
Nebraska												
Kansas												
South Central division												
Eastern South Central	6,968	5,716	1,252	5,494	201	21	2,039	4,890	39	3,542	731	2,695
Kentucky	2,619	2,387	232	2,247	136	4	720	1,880	19	1,357	286	976
Tennessee	2,026	1,760	266	1,712	41	7	664	1,355	7	1,027	219	780
Alabama	1,333	957	376	939	15	3	349	978	6	690	121	522
Mississippi	990	612	378	596	9	7	306	677	7	468	105	417
Western South Central	5,354	4,511	843	4,074	355	82	1,803	3,518	33	2,681	573	2,100
Louisiana	1,211	878	333	749	110	19	328	877	6	656	109	446
Arkansas	1,317	1,102	215	1,077	19	6	453	844	20	645	116	556
Indian Territory	228	184	44	175	9	.....	74	152	2	125	26	77
Oklahoma	282	260	22	190	24	46	110	172	.....	119	32	131
Texas	2,316	2,087	229	1,883	193	11	838	1,473	5	1,136	290	890
Western division	4,064	3,954	110	2,982	903	69	874	3,173	17	2,609	433	932
Rocky Mountain	1,076	1,023	53	841	144	38	289	782	5	697	132	247
Montana	126	115	11	91	23	1	48	78	.....	62	13	51
Idaho	146	129	17	100	29	.....	38	107	1	96	17	33
Wyoming	29	26	3	20	6	.....	6	23	.....	20	4	5
Colorado	472	471	1	364	70	37	123	347	2	305	73	94
New Mexico	303	282	21	266	16	.....	74	227	2	214	25	64
Basin and Plateau	455	430	25	254	175	1	110	343	2	287	45	123
Arizona	51	41	10	34	6	1	11	38	2	25	11	15
Utah	343	340	3	192	148	.....	90	253	.....	212	30	101
Nevada	61	49	12	28	21	.....	9	52	.....	50	4	7
Pacific	2,533	2,501	32	1,887	584	30	475	2,048	10	1,715	256	562
Washington	374	368	6	285	82	1	94	280	.....	215	62	97
Oregon	410	402	8	323	63	16	86	321	3	236	33	141
California	1,749	1,731	18	1,279	439	13	295	1,447	7	1,264	161	324

TABLE X.—NUMBER OF THE DEAF FROM SPECIFIED CLASSES PER MILLION OF TOTAL POPULATION, FOR STATES AND TERRITORIES.

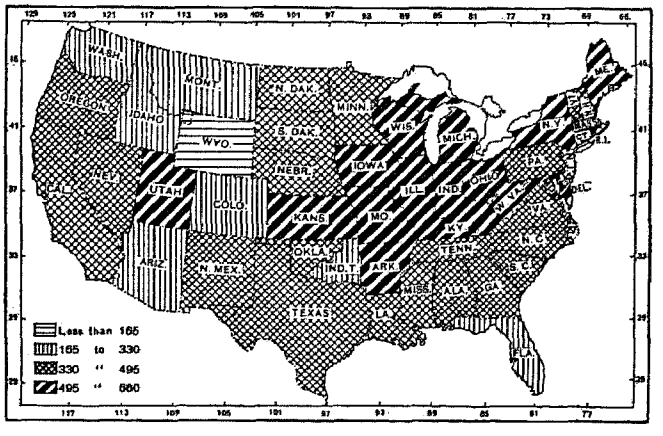
STATE OR TERRITORY.	NUMBER OF DEAF PER 1,000,000 POPULATION.					TOTALLY DEAF FROM EARLY CHILDHOOD (UNDER 5) PER 1,000,000 POPULATION.		Number of native white deaf per 1,000,000 native white population.	Number of foreign born white deaf per 1,000,000 foreign born white population.
	Total.	Totally deaf.	Partially deaf.	Deaf from childhood (under 20).	Deaf from adult life (20 and over).	Congenitals.	Noncongenitals.		
Continental United States	1,175	493	682	662	473	166	178	1,234	1,350
North Atlantic division	1,360	493	867	673	628	145	175	1,461	1,079
New England	1,583	502	1,081	712	811	151	168	1,783	1,039
Maine	1,810	657	1,153	860	911	248	189	1,902	1,227
New Hampshire	1,851	512	1,339	741	1,020	124	214	2,060	1,035
Vermont	2,104	460	1,644	693	1,359	73	128	2,057	2,372
Massachusetts	1,431	457	974	655	720	137	158	1,640	972
Rhode Island	1,360	401	959	639	665	124	121	1,567	942
Connecticut	1,667	579	1,088	804	780	177	201	1,925	1,007
Southern North Atlantic	1,280	490	790	659	562	143	178	1,349	1,097
New York	1,368	516	852	689	619	145	199	1,453	1,165
New Jersey	1,213	382	831	566	596	111	113	1,342	916
Pennsylvania	1,198	493	705	651	487	151	172	1,244	1,043
South Atlantic division	976	458	518	623	324	225	116	1,157	1,944
Northern South Atlantic	1,210	525	685	723	445	224	149	1,328	2,020
Delaware	1,380	427	953	644	698	173	97	1,547	1,384
Maryland	1,329	516	813	715	509	218	138	1,390	1,525
District of Columbia	1,819	761	1,058	1,005	761	147	251	1,994	4,713
Virginia	1,032	475	557	643	352	248	109	1,255	2,570
West Virginia	1,195	583	612	821	332	216	219	1,202	1,653
Southern South Atlantic	802	407	395	549	233	226	91	980	1,632
North Carolina	867	486	381	632	216	289	108	965	3,186
South Carolina	710	373	337	489	205	219	72	916	2,234
Georgia	820	382	438	541	255	194	90	1,065	1,664
Florida	723	320	403	435	269	149	87	892	1,091
North Central division	1,294	561	733	735	519	153	236	1,229	1,640
Eastern North Central	1,352	572	780	752	557	155	238	1,298	1,647
Ohio	1,462	585	877	749	660	167	221	1,395	2,086
Indiana	1,433	651	782	832	565	164	300	1,391	2,432
Illinois	1,255	532	723	713	503	130	235	1,217	1,384
Michigan	1,405	552	853	778	592	139	235	1,373	1,518
Wisconsin	1,197	571	626	721	426	193	207	1,036	1,668
Western North Central	1,204	542	662	709	461	150	233	1,124	1,628
Minnesota	992	492	500	620	339	153	207	863	1,307
Iowa	1,323	538	785	727	563	133	226	1,209	2,008
Missouri	1,212	572	640	741	440	166	243	1,174	1,821
North Dakota	802	423	379	551	219	132	207	628	1,021
South Dakota	1,071	476	595	650	388	112	192	783	1,438
Nebraska	1,144	489	655	667	445	124	212	1,067	1,496
Kansas	1,425	629	796	802	581	169	283	1,336	2,512
South Central division	875	423	452	577	274	196	128	1,011	1,572
Eastern South Central	923	445	478	606	289	213	126	1,109	2,241
Kentucky	1,220	586	634	801	378	254	184	1,240	2,713
Tennessee	1,003	487	516	659	316	248	138	1,124	2,331
Alabama	729	333	396	474	233	172	83	952	1,046
Mississippi	638	330	308	425	194	158	80	941	1,180
Western South Central	820	398	422	544	258	176	131	904	1,345
Louisiana	877	382	495	529	321	226	71	1,105	2,121
Arkansas	1,004	506	498	691	291	217	163	1,158	1,339
Indian Territory	582	240	342	411	163	71	115	587	1,880
Oklahoma	708	412	296	497	193	100	206	540	1,538
Texas	760	378	382	511	235	159	137	837	1,087
Western division	993	377	616	522	436	105	153	958	1,187
Rocky Mountain	873	317	556	478	363	90	127	863	704
Montana	518	288	230	358	152	49	148	555	369
Idaho	903	316	587	488	371	74	155	754	1,325
Wyoming	313	97	216	140	173	22	54	276	362
Colorado	875	326	549	485	358	78	143	830	774
New Mexico	1,551	435	1,116	758	722	220	67	1,593	1,207
Basin and Plateau	1,029	452	577	588	414	120	213	801	2,089
Arizona	415	203	212	203	195	41	89	482	268
Utah	1,239	563	676	777	444	159	293	874	2,803
Nevada	1,441	449	992	472	850	94	47	1,044	2,447
Pacific	1,048	394	654	533	477	109	155	1,036	1,236
Washington	722	324	398	428	280	69	124	723	803
Oregon	991	466	525	609	365	109	232	948	1,170
California	1,178	398	780	547	577	123	145	1,177	1,387

Table x is illustrated by Maps 1, 2, and 3, showing the ratios per million of population in each state and territory

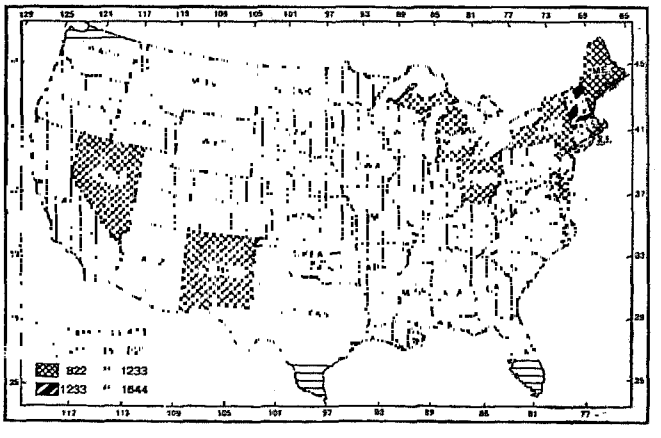
MAP 1.—*Number of deaf per million of population, by states and territories.*



MAP 2.—*Number of totally deaf per million of population, by states and territories.*



MAP 3.—*Number of partially deaf per million of population, by states and territories.*



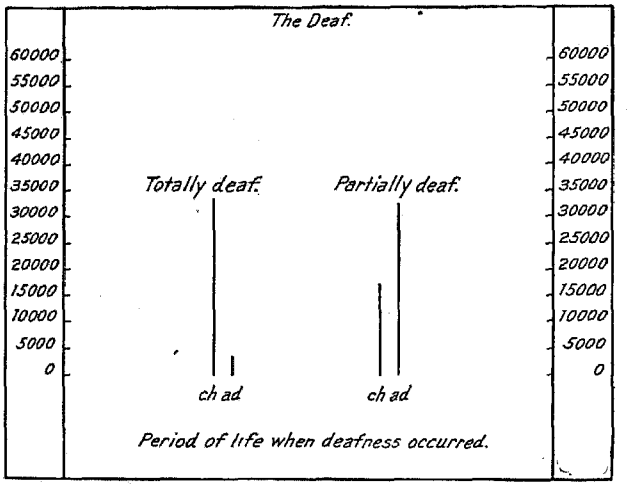
Map 1 shows the geographic distribution of the total number of deaf reported at the Twelfth Census, from which it appears that, upon the whole, deafness is more common in the northern part of the United States than in the southern. The North Atlantic and North Central divisions show a larger ratio per million than the South Atlantic and South Central divisions, and the largest ratio of all is found in the New England states. The ratios shown in the states composing the Western division, with the exception of California, are of comparatively slight significance, because of the small numbers involved.

Maps 2 and 3 show, in contrast, the geographic distribution of the totally deaf and the partially deaf, and in studying these maps it will be remembered that the totally deaf consist largely of persons deaf from childhood and the partially deaf largely of persons deaf from adult life.

Degree of deafness.—Out of an aggregate of 89,287 deaf, 37,426 were reported as totally deaf and 51,861, as partially deaf (Table 1).

Table 1 reveals the fact that the vast majority of the totally deaf became deaf in childhood, before reaching the age of 20 years, whereas the majority of the partially deaf lost hearing in adult life (Diagram 8).

Diagram 8.



In Table XI the totally and partially deaf are analyzed by the age at which deafness occurred.

From this table it appears that out of 35,479 totally deaf cases in which the age when deafness occurred was definitely stated, 91 per cent were totally deaf from childhood (under 20), 52 per cent were totally deaf from infancy (under 2), and 36 per cent were totally deaf from birth. More than half of the totally deaf lost hearing before they were 2 years of age.

Of the partially deaf, about one-third became deaf before they were 20, one-third between 20 and 40, and one-third after reaching 40, approximately.

Table XI is illustrated by Diagrams 9 and 10.

TABLE XI.—*The deaf, by degree of deafness and age when deafness occurred.*

AGE WHEN DEAFNESS OCCURRED.	Total.	Totally deaf.	Partially deaf.
Total	89,287	37,426	51,861
Age when deafness occurred:			
Unknown	3,067	795	2,272
Indefinitely stated	4,630	1,152	3,478
Definitely stated	81,590	35,479	46,111
Indefinitely stated:			
Childhood	2,347	988	1,359
Adult life	2,283	164	2,119
Definitely stated:			
Birth	14,474	12,609	1,865
After birth, under 2	7,396	5,998	1,398
Under 2	21,870	18,607	3,263
2 and under 4	8,259	6,072	2,187
4 and under 6	4,277	2,601	1,676
6 and under 8	2,955	1,617	1,338
8 and under 10	2,063	973	1,090
10 and under 12	1,830	626	1,204
12 and under 14	1,804	572	1,232
14 and under 16	1,915	457	1,458
16 and under 18	1,427	344	1,083
18 and under 20	1,549	291	1,258
Under 5	32,406	26,152	6,254
5 and under 10	7,018	3,718	3,300
10 and under 15	4,464	1,425	3,039
15 and under 20	4,061	865	3,196
Under 20	47,949	32,160	15,789
20 and under 40	16,588	2,021	14,567
40 and [illegible]	9,437	867	8,570
60 and [illegible]	6,595	374	6,221
80 and under 100	1,013	57	956
100 and over	8	.....	8

Diagram 9.

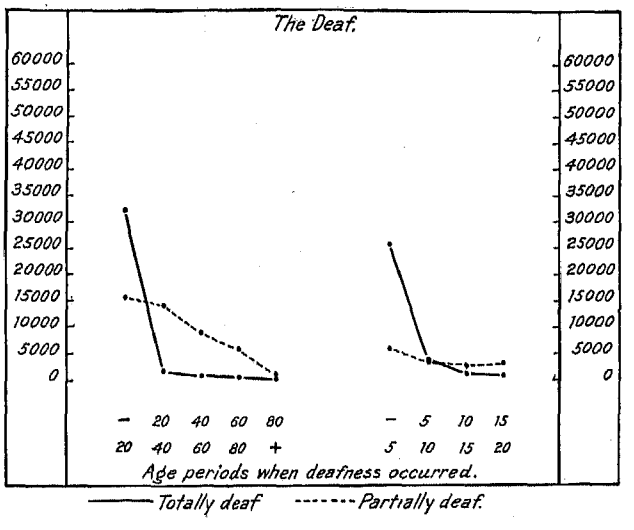
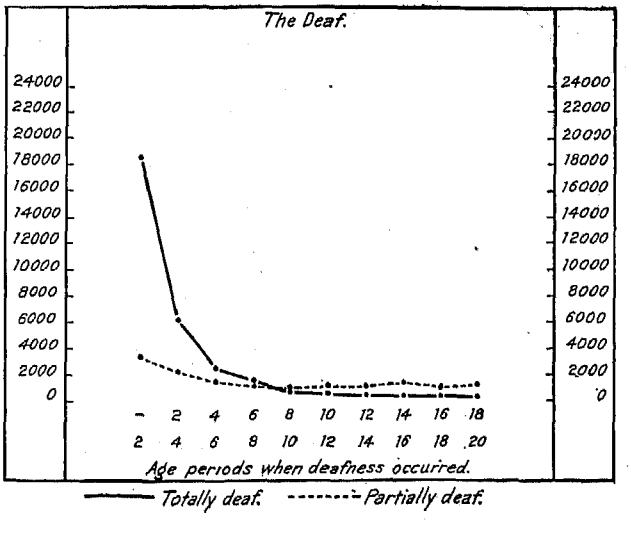


Diagram 10.



Ability to speak.—Out of an aggregate of 89,287 persons returned as deaf, 55,501 were able to speak "well," 9,417 "imperfectly," and 24,369 "not at all" (Table 1).

In the case of those who do not speak at all, the period of life when deafness occurred (whether childhood or adult life) is known in 23,866 cases, and of these, 23,687, or more than 99 per cent, became deaf in childhood, before reaching the age of 20 years.

The class "deaf from childhood" thus includes substantially all of the deaf and dumb (Diagram 11). This is true even if we include, as is usually done, "semimutes," who speak imperfectly, as well as "deaf-mutes" proper, who do not speak at all, among the deaf and dumb; for nearly 98 per cent of these two subgroups combined (deaf-mutes and semimutes) became deaf in childhood, before reaching the age of 20 years.

On the other hand, the majority of the deaf who speak well became deaf in adult life.

Diagram 11.

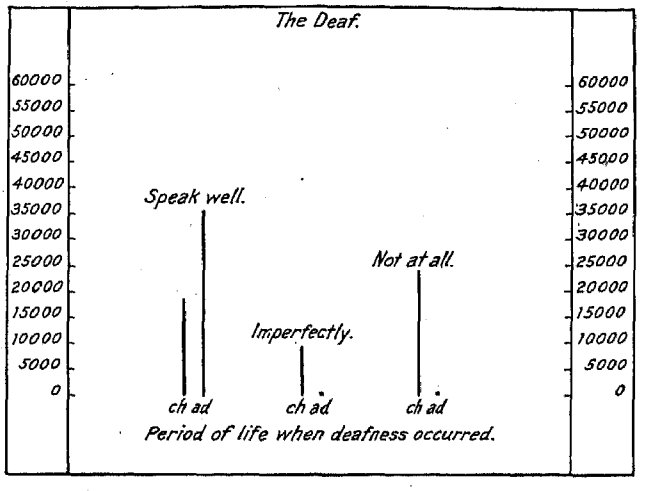


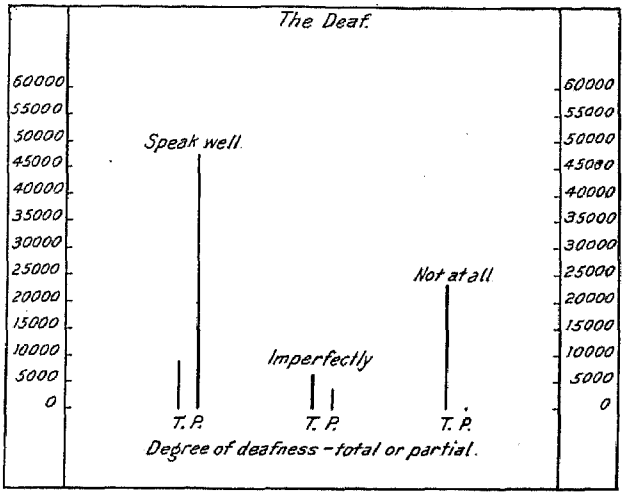
TABLE XII.—*Number and per cent of deaf, by period of life when deafness occurred, degree of deafness, and ability to speak.*

DEGREE OF DEAFNESS AND ABILITY TO SPEAK.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.				
		Unknown.	Known.			
			Total.	Childhood (under 20).		Adult life (20 and over).
				Number.	Per cent.	Number.	Per cent.
Total	89,287	3,067	86,220	50,296	58.3	35,924	41.7
Totally deaf	37,426	795	36,631	33,148	90.5	3,483	9.5
Partially deaf	51,861	2,272	49,589	17,148	34.6	32,441	65.4
Speak well	55,501	2,310	53,191	18,064	34.0	35,127	66.0
Imperfectly	9,417	254	9,163	8,545	93.3	618	6.7
Not at all	24,369	503	23,866	23,687	99.2	179	0.8
Totally deaf:							
Speak well	8,027	246	7,781	4,578	58.8	3,203	41.2
Imperfectly	5,917	99	5,818	5,657	97.2	161	2.8
Not at all	23,482	450	23,032	22,913	99.5	119	0.5
Partially deaf:							
Speak well	47,474	2,064	45,410	13,486	29.7	31,924	70.3
Imperfectly	3,500	155	3,345	2,888	86.3	457	13.7
Not at all	887	53	834	774	92.8	60	7.2

In Table XII the returns of the deaf who speak "well," "imperfectly," or "not at all," are analyzed by period of life when deafness occurred (whether childhood or adult life) and by degree of deafness (whether total or partial).

Out of 24,369 deaf and dumb who can not speak, 23,482, or more than 96 per cent, were reported as totally deaf; and only 887, or less than 4 per cent, as partially deaf. Table XII is illustrated by Diagram 12.

Diagram 12.



The small proportion of partially deaf is somewhat surprising, in view of the fact that it is a common practice in American schools for the deaf and dumb to summon the pupils in from the playground by the ringing of a bell. In 1888 experiments were made in a number of schools to ascertain the percentage of children who could hear this call, and out of 1,475 pupils tested, 304, or nearly 21 per cent, could hear the ringing of the bell[1]; but in the Census tables less than 4 per cent of the deaf and dumb are reported as partially deaf.

It may possibly be that in the case of the deaf and dumb there has been an overestimate of the number totally deaf, for the test of total deafness adopted, although perfectly applicable to deaf persons who can speak, is not so well adapted to distinguish the totally from the partially deaf among the deaf and dumb. In the Census tables those persons are returned as totally deaf who "can not be made to understand what people say even when they shout;" but the deaf and dumb have no knowledge of spoken language, and so could not "understand" even if they heard. Few Americans could be made to understand Chinese, even though the spoken words were shouted into their ears, but it does not necessarily follow that such persons are totally deaf; and spoken English is as unintelligible to the deaf and dumb as Chinese is to us.

On the other hand, the small proportion of partially deaf among the deaf and dumb is explicable without the assumption that the returns of the totally deaf are excessive. Articulation teaching has been pursued for a good many years in American schools for the deaf, and it is known that the partially deaf acquire speech more readily by instruction than those who can not hear at all, and this would result in comparatively few of them being returned as deaf and dumb; they would appear instead among those who speak, either well or imperfectly. This interpretation, upon the whole, seems more probable than the other.

The number of cases in which the period of life when deafness occurred is known (Table XII) forms the basis upon which the following percentages have been calculated: Thirty-four per cent of those who could speak well, 93 per cent of those who could speak imperfectly, and 99 per cent of those who could speak not at all became deaf in childhood, before reaching the age of 20. Sixty-six per cent of those who could speak well, 7 per cent of those who could speak imperfectly, and 1 per cent of those who could speak not at all lost hearing in adult life.

The following percentages have been calculated on the basis of the whole of the deaf who speak well, imperfectly, or not at all (Table XII): Fourteen per cent of those who could speak well, 63 per cent of those who could speak imperfectly, and 96 per cent of those who could speak not at all were reported as totally deaf. Eighty-six per cent of those who could speak well, 37 per cent of those who could speak imperfectly, and 4 per cent of those who could speak not at all were returned as partially deaf.

It will thus be seen that the ability to speak (whether well, imperfectly, or not at all) is largely dependent upon the period of life when deafness occurred (whether childhood or adult life) and upon the degree of deafness (whether total or partial). A correlation exists between these three elements.

In Table XIII the deaf who speak well, imperfectly, or not at all are analyzed by the age when deafness occurred, and the results are shown graphically in Diagram 13.

Speaking broadly, about one-third of the deaf who speak well lost hearing before they were 20 years old, one-third between 20 and 40, and one-third after reaching 40.

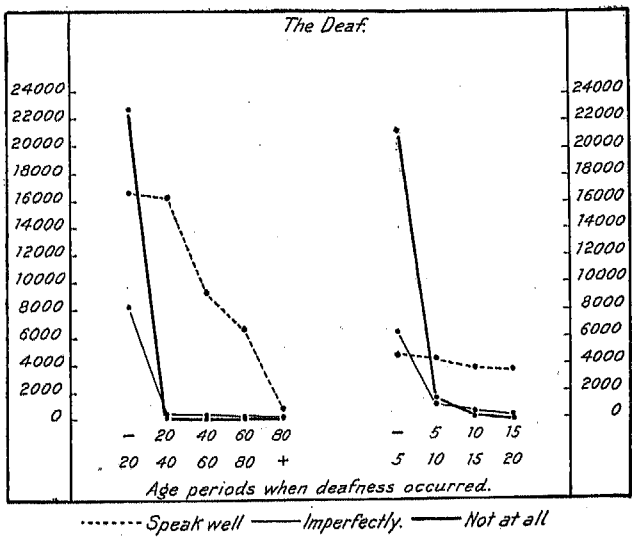
Of the deaf who speak imperfectly or not at all, most lost hearing at a very early age—before they were 5—and practically all became deaf before they were 20.

[1] See "Education of Deaf Children: Evidence of Edward Miner Gallaudet and Alexander Graham Bell presented to the Royal Commission of the United Kingdom on the Condition of the Blind, the Deaf and Dumb, etc.; with accompanying papers, postscripts, and an index. Edited by Joseph C. Gordon, professor of mathematics, etc., in the National College for the Deaf, Washington, U. S. A.: published by the Volta Bureau, Washington, D. C., 1892." Part II, query 21395. Also exhibit entitled "Facts and Opinions Relating to the Deaf in America" in the same volume.

TABLE XIII.—*The deaf, by ability to speak and age when deafness occurred.*

AGE WHEN DEAFNESS OCCURRED.	Total.	ABILITY TO SPEAK.		
		Well.	Imperfectly.	Not at all.
Total	89,287	55,501	9,417	24,369
Age when deafness occurred:				
Unknown	3,067	2,310	254	503
Indefinitely stated	4,630	3,357	517	756
Definitely stated	81,590	49,834	8,646	23,110
Indefinitely stated:				
Childhood (under 20)	2,347	1,137	468	742
Adult life (20 and over)	2,283	2,220	49	14
Definitely stated:				
Birth	14,474	1,217	2,452	10,805
After birth, under 2	7,396	946	1,611	4,839
2 and under 5	10,536	2,669	2,228	5,639
Under 5	32,406	4,832	6,291	21,283
5 and under 10	7,018	4,324	1,279	1,415
10 and under 15	4,464	3,908	372	184
15 and under 20	4,061	3,863	135	63
Under 20	47,949	16,927	8,077	22,945
20 and under 40	16,588	16,215	283	90
40 and under 60	9,437	9,241	155	41
60 and under 80	6,595	6,453	113	29
80 and over	1,021	998	18	5
Under 20	47,949	16,927	8,077	22,945
20 and over	33,641	32,907	569	165

Diagram 13.



A more exact statement is contained in Tables XIV and XV, illustrated by Diagrams 14, 15, and 16.

Table XIV shows the number and percentage of the deaf who speak well, imperfectly, or not at all, who lost hearing before reaching certain specified ages.

From Table XIV and Diagrams 14 and 15 it appears that substantially all of the deaf and dumb became deaf before they were 20, nearly all (98 per cent) before they were 10, and the vast majority (92 per cent) before they were 5. More than two-thirds lost hearing before they were 2, and nearly one-half were born deaf.

In the case of the semimutes, also, the vast majority (93 per cent) became deaf before they were 20, nearly three-fourths lost hearing before they were 5, nearly one-half before they were 2, and more than one-quarter were born deaf.

TABLE XIV.—*Number and per cent of deaf, by ability to speak and age when deafness occurred.*

AGE WHEN DEAFNESS OCCURRED.	Total.	ABILITY TO SPEAK.					
		Number.			Per cent.		
		Well.	Imperfectly.	Not at all.	Well.	Imperfectly.	Not at all.
All ages	89,287	55,501	9,417	24,369	.....	.....	.....
Age when deafness occurred:							
Unknown	3,067	2,310	254	503	.....	.....	.....
Indefinitely stated	4,630	3,357	517	756	.....	.....	.....
Definitely stated	81,590	49,834	8,646	23,110	.....	.....	.....
All ages	81,590	49,834	8,646	23,110	100.0	100.0	100.0
Under 80	80,569	48,836	8,628	23,105	98.0	99.8	99.9
Under 60	73,974	42,383	8,515	23,076	85.0	98.5	99.9
Under 40	64,537	33,142	8,360	23,035	66.5	96.7	99.7
Under 20	47,949	16,927	8,077	22,945	34.0	93.4	99.3
Under 10	39,424	9,156	7,570	22,698	18.4	87.6	98.2
Under 5	32,406	4,832	6,291	21,283	9.7	72.8	92.1
Under 2	21,870	2,163	4,063	15,644	4.3	47.0	67.7
Birth	14,474	1,217	2,452	10,805	2.4	28.4	46.8

Diagram 14.

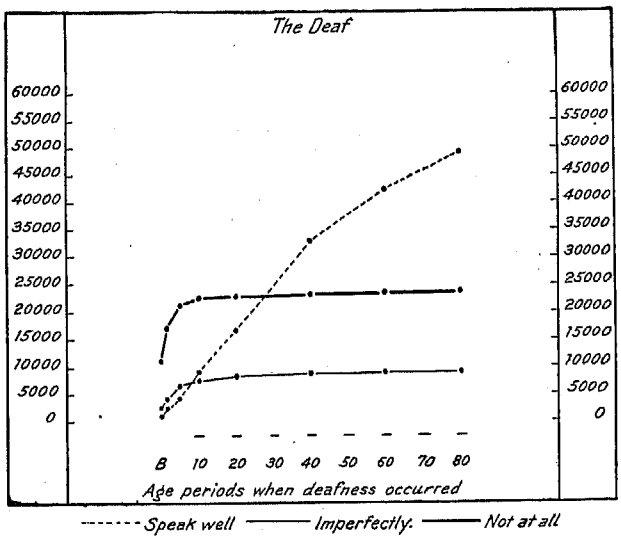


Diagram 15.

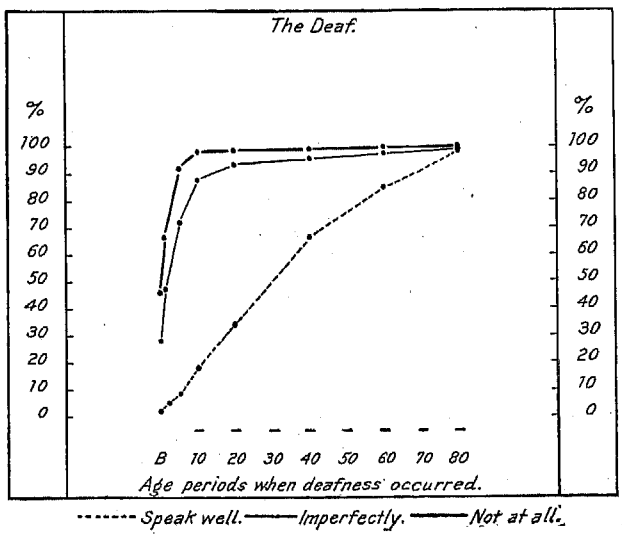


Table XV shows the percentage of the deaf who lost hearing before reaching certain specified ages—who speak well, imperfectly, or not at all.

TABLE XV.—*Per cent of deaf, by ability to speak and age when deafness occurred.*

AGE WHEN DEAFNESS OCCURRED.	Total.	ABILITY TO SPEAK.		
		Well.	Imperfectly.	Not at all.
All ages	100.0	62.2	10.5	27.3
Age when deafness occurred:				
Unknown	100.0	75.3	8.3	16.4
Indefinitely stated	100.0	72.5	11.2	16.3
Definitely stated	100.0	61.1	10.6	28.3
All ages	100.0	61.1	10.6	28.3
Under 80	100.0	60.6	10.7	28.7
Under 60	100.0	57.3	11.5	31.2
Under 40	100.0	51.3	13.0	35.7
Under 20	100.0	35.3	16.8	47.9
Under 10	100.0	23.2	19.2	57.6
Under 5	100.0	14.9	19.4	65.7
Under 2	100.0	9.9	18.6	71.5
Birth	100.0	8.4	16.9	74.7

Diagram 16.

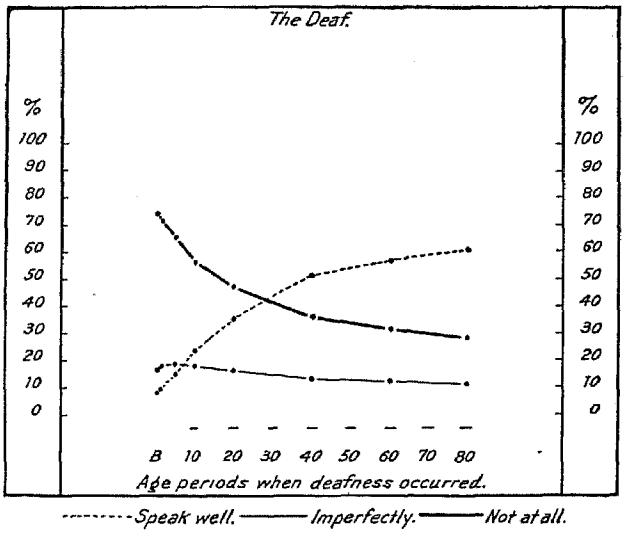


TABLE XVI.—*The totally deaf, by ability to speak and age when deafness occurred.*

AGE WHEN DEAFNESS OCCURRED.	Total.	ABILITY TO SPEAK.		
		Well.	Imperfectly.	Not at all.
Total	37,426	8,027	5,917	23,482
Age when deafness occurred:				
Unknown	795	246	99	450
Indefinitely stated	1,152	259	213	680
Definitely stated	35,479	7,522	5,605	22,352
Indefinitely stated:				
Childhood	988	115	202	671
Adult life	164	144	11	9
Definitely stated:				
Birth	12,609	492	1,589	10,528
After birth, under 2	5,998	281	1,072	4,645
2 and under 5	7,545	580	1,489	5,476
Under 5	26,152	1,353	4,150	20,649
5 and under 10	3,718	1,373	975	1,370
10 and under 15	1,425	1,001	251	173
15 and under 20	865	736	79	50
Under 20	32,160	4,463	5,455	22,242
20 and under 40	2,021	1,852	99	70
40 and under 60	867	808	34	25
60 and under 80	374	346	15	13
80 and over	57	53	2	2

Table XV and Diagram 16 show that the proportion of the deaf who are deaf and dumb becomes progressively greater as the age when deafness occurred is younger.

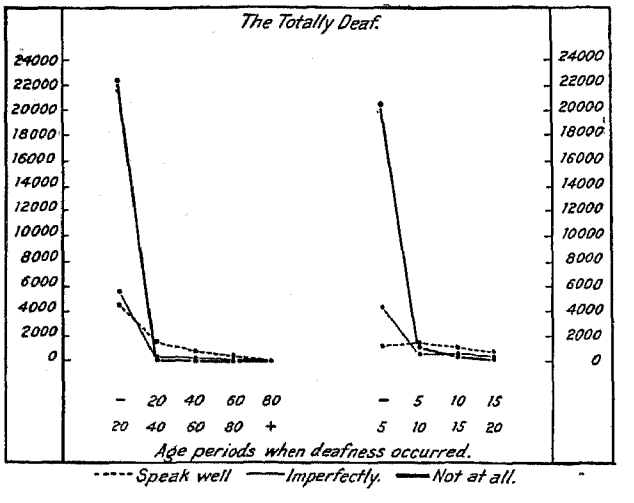
In Table XVI (the totally deaf) and in Table XVII (the partially deaf) the returns are analyzed by the age when deafness occurred, so that it may be seen how far the degree of deafness (whether total or partial) modifies the results disclosed by Table XIII (Diagram 13).

TABLE XVII.—*The partially deaf, by ability to speak and age when deafness occurred.*

AGE WHEN DEAFNESS OCCURRED.	Total.	ABILITY TO SPEAK.		
		Well.	Imperfectly.	Not at all.
Total	51,861	47,474	3,500	887
Age when deafness occurred:				
[illegible]	2,272	2,064	155	53
[illegible]	3,478	3,098	304	76
[illegible]	46,111	42,312	3,041	758
Indefinitely stated:				
Childhood	1,359	1,022	266	71
Adult life	2,119	2,076	38	5
Definitely stated:				
Birth	1,865	725	863	277
After birth, under 2	1,398	665	539	194
2 and under 5	2,991	2,089	739	163
Under 5	6,254	3,479	2,141	634
5 and under 10	3,300	2,951	304	45
10 and under 15	3,039	2,907	121	11
15 and under 20	3,196	3,127	56	13
Under 20	15,789	12,464	2,622	703
20 and under 40	14,567	14,363	184	20
40 and under 60	8,570	8,433	121	16
60 and under 80	6,221	6,107	98	16
80 and over	964	945	16	3

Tables XVI and XVII are illustrated by Diagrams 17 and 18.

Diagram 17.



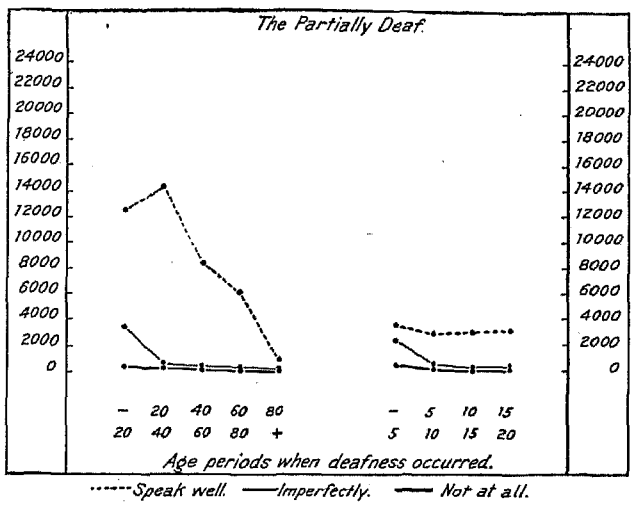
Comparing Tables XVI and XVII, it will be observed that comparatively few of the totally deaf speak well (Diagram 17), and comparatively few of the partially deaf speak imperfectly or not at all (Diagram 18).

The deaf and dumb consist mainly of persons totally deaf from early childhood, under 5 (Diagram 17).

The deaf who speak well consist mainly of persons who became partially deaf in adult life (Diagram 18).

The deaf who speak imperfectly form an intermediate class, more closely affiliated with the deaf and dumb than with those who speak well (Diagrams 11 to 18).

Diagram 18.



Correlated conditions.—While it is obvious that inability to speak is associated with inability to hear, where the deafness occurred in childhood, it is equally true that deafness itself, irrespective of the age when it occurred, is not necessarily associated with dumbness, for the majority of the deaf can speak perfectly well (Table XII), including several thousands of cases of persons totally devoid of the sense of hearing.

Neither partial nor total deafness, then, necessarily interferes with the power of speech, the controlling factor being the age or period of life when the deafness occurred. The earlier the age when the deafness occurred the larger the proportion who are deaf and dumb. The largest proportion of deaf and dumb is found among those who are born deaf (Table XV).

The condition of speech naturally resulting from deafness contrasted with the actual condition revealed by the census returns.—Period of life when deafness occurred: Birth.—A little consideration will show that all persons who are born deaf are naturally also dumb. The dumbness is a necessary consequence of the deafness, and not a defect in itself. We were all born dumb; and no one naturally acquires a language he has never heard. The deaf-born child, then, necessarily remains dumb after the age when others talk, because he has never heard the language the others have acquired.

It is not surprising, therefore, that a large proportion of the deaf from birth should be deaf and dumb. It is only remarkable that any at all should be able to speak. This is the fact that requires explanation.

Table XV shows that less than 75 per cent of the deaf from birth are deaf and dumb; 3,669, or more than 25 per cent, are reported as able to speak (Table XIII).

We can not attribute this result to inaccuracy on the part of the enumerators of the Twelfth Census, for the information did not come from the enumerators, but from the deaf persons themselves in answer to a circular letter of inquiry.

It may be possible that some of the deaf from birth who were only partially deaf possessed a sufficient amount of hearing to enable them to pick up imperfect speech for themselves by imitation in the natural way, although every effort was made by the Census Bureau to exclude from the returns persons who were only hard of hearing. It is absolutely certain, however, that all those who were totally deaf from birth were deaf and dumb at some period of their lives; and yet no less than 2,081 are reported as able to speak. From Table XVI it appears that of these, 492 could speak well and 1,589 imperfectly.

These are by no means all of the deaf and dumb who appear in the returns of the Twelfth Census as speaking persons, as will be evident from the following considerations:

Speech is normally acquired through the sense of hearing by a gradual process of imitation extending through a series of years. If, then, deafness occurs before or during the formative period of speech, the natural result is that the person either remains dumb or tends to revert to the speechless condition; but once the formative period has been passed and the speech habit fully established, deafness no longer tends to produce dumbness or to materially affect the character of the articulation.

After birth, under 2.—Normal children do not begin to speak until they are about 2 years old. If a child becomes deaf before reaching that age, he fails to acquire speech just as though he had been born deaf. All persons who lost hearing before they were 2 years of age are naturally deaf and dumb.

Table XIII shows that 2,557 persons who became deaf after birth and under the age of 2 are returned as able to speak; 1,353 of these were totally deaf (Table XVI) and 1,204 partially deaf (Table XVII).

2 and under 5.—If a child loses his hearing after having commenced to talk and before reaching the age of 5, his speech at best is imperfect; and though he continues to speak for some time after he becomes deaf, he soon forgets how to talk. The memory of a little child is very short. No longer able to correct his pronunciation by hearing the speech of others, his articulation becomes more and more imperfect, until finally he becomes a deaf-mute. All persons who lost hearing after they had begun to talk and before reaching the age of 5 naturally belong to the class "deaf and dumb." They were not originally deaf-mutes, but they have become so as time passed.

Four thousand eight hundred and ninety-seven persons who became deaf after 2 years of age and before reaching the age of 5 are reported as able to speak (Table XIII); 2,069 of these were totally deaf (Table XVI) and 2,828 partially deaf (Table XVII).

5 and under 10.—Children who become deaf after 5 and under 10 years of age continue speaking in a more or less imperfect manner for a long time after they become deaf, but in process of time their speech becomes more and more imperfect; many become dumb, but most of them retain an imperfect articulation.

From Table XIII it appears that the majority of persons—4,324 out of 7,018—who became deaf between 5 and 10 years of age are returned as speaking well (totally deaf, 1,373; partially deaf, 2,951) instead of speaking imperfectly or not at all, which is the natural condition resulting from their deafness.

10 and under 20.—At or about the age of 10 most children have acquired the ability to read and write, and, as a rule, if a child becomes deaf after reaching the age of 10, he is able to read, although unable to hear what others say to him. He speaks perfectly, and the tendency to revert to the speechless condition is much less marked than in the case of those who become deaf at an earlier age. Inability to hear the speech of others naturally leads him to seek the society of books. Reading keeps up the knowledge of language he possessed before he became deaf, and also introduces to his notice multitudes of words that he does not know how to pronounce. Not being able to hear how they are pronounced by others, he naturally attempts to speak them as they are spelled; but, unfortunately, our written language is very unphonetical in its character, and the new words acquired through reading are pronounced in a very imperfect manner. Thus, in the case of persons who lost hearing after the age of 10 and under the age of 20, their speech, though perfect at first, becomes peculiar in process of time, and most of this class, especially the illiterate, gradually become "semimutes."

A smaller proportion, the minority, become absolutely deaf and dumb. This statement reflects the natural condition resulting from deafness occurring at this period of life.

From Table XIII it appears that 7,771 of those who became deaf after 10 and under 20 were able to speak well, only 507 imperfectly, and 247 not at all.

Adult life (20 and over).—There is no apparent reason why the speech of those who become deaf in adult life should be materially affected by their deafness, and although the total number reported as unable to speak is small (only 179, Table XIII) it is somewhat surprising to find that any of them are returned as deaf and dumb. We can only conclude that the dumbness in these cases did not result from deafness, but from other causes not specified in the returns.

General conclusions.—Deafness interferes rather with the acquisition of speech than with its retention after it has once been acquired, and the speaking habit fully established by usage.

Deafness occurring in adult life, therefore, does not materially affect the ability to speak; but deafness occurring in childhood does. This is well established by the returns of the present census; but it is obvious that in the case of those who became deaf in childhood the condition of the speech, as revealed by the census returns, departs very materially from the natural condition resulting from the deafness. Several thousands of persons are reported as able to speak, who would naturally—without special instruction in the use of their vocal organs—be deaf and dumb.

This result indicates either that the census returns are grossly erroneous regarding the ability of the deaf to speak, or that a great and beneficial work has been accomplished by our special schools for the deaf in imparting artificially, by instruction, the power of articulate speech to large numbers of the deaf and dumb.

The first hypothesis can not be entertained, for whatever errors there may be in the present census, they consist of omissions rather than of inaccuracies in the tabulated material. The information actually compiled is authoritative so far as it goes, because it came directly from the deaf persons themselves in answer to a letter of inquiry, or from parents, guardians, or friends intimately acquainted with the condition of the deaf persons considered, and is thus independent of any errors on the part of the original enumerators. The latter hypothesis is more probable and demands special consideration.

No less than 11,123 persons who became deaf before reaching the age of 5 are reported as able to speak (totally deaf, 5,503; partially deaf, 5,620). All of these, naturally, are deaf and dumb, excepting those of the partially deaf, who may be only slightly deaf, but even these belong to the class "semimutes," who are usually included in the returns of the deaf and dumb. The totally deaf cases certainly—all of them—belong naturally to the class deaf and dumb.

Totally deaf from early childhood (under 5).—Twenty-six thousand one hundred and fifty-two persons are reported as totally deaf from early childhood (under 5). Of these, 5,503 are reported as able to speak (1,353 speak well and 4,150 imperfectly) Table XVI.

The obvious interpretation of the figures is that these persons have acquired speech artificially by special instruction.

This conclusion is strengthened by the fact that the vast majority of the totally deaf from early childhood, as shown in Table XVIII, have attended special schools for the deaf where facilities exist for articulation teaching.

TABLE XVIII.—*Number and per cent totally deaf from early childhood (under 5), by school attendance.*

SCHOOL ATTENDANCE.	Number.	PER CENT OF— Total.	Total, schooling stated.	Total, attended school.	Total, kind of school stated.
Total	26,152	100.0			
School attendance:					
Not stated	592	2.3			
Stated	25,560	97.7	100.0		
Stated:					
Did not attend school	4,852	18.5	19.0		
Attended school	20,708	79.2	81.0	100.0	
Attended school:					
Kind of school—					
Not stated	449	1.7	1.7	2.2	
Stated	20,259	77.5	79.3	97.8	100.0
Stated:					
Special	19,124	73.1	74.8	92.4	94.4
Other	1,064	4.1	4.2	5.1	5.3
Both	71	0.3	0.3	0.3	0.3

Out of 20,259 cases where the kind of school attended is stated, 19,195, or 94.7 per cent, were educated in special schools (including 71 persons who attended both special and other schools). These constitute nearly three-fourths of the total, or 73.4 per cent of 26,152 cases totally deaf from early childhood (under 5).

The conclusion that we are here dealing with cases of artificial acquisition of speech is still further strengthened and, indeed, rendered certain by an examination of the present ages of the above cases (Table XIX).

It is only within comparatively recent years that articulation teaching on a wholesale scale has been carried on in the United States; so that the majority of the deaf who have acquired speech artificially by instruction in school are comparatively young, few of them having passed middle life.

If, then, our conclusion is correct, we should naturally expect to find, upon examining the ages of the above cases, that the vast majority of the older persons who have passed middle life, and the vast majority of the younger persons who are under the school age, are deaf and dumb; whereas the proportion of deaf and dumb among those of intermediate age should be less—and progressively less, as the age is younger—down to some minimum well within the limits of school life, and this we find to be the case.

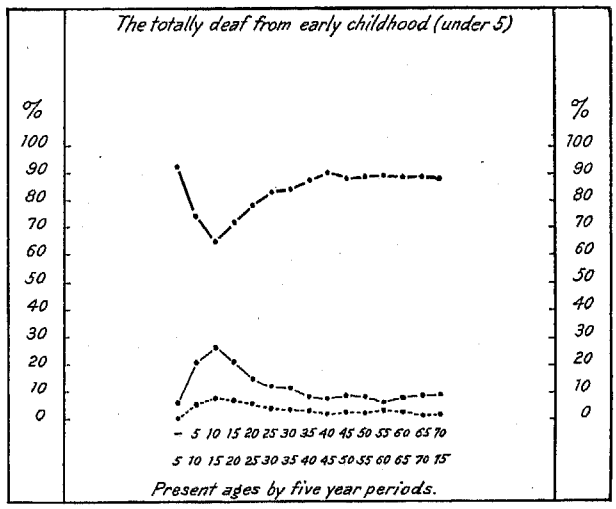
Table XIX shows the present ages of those who are totally deaf from early childhood, by five-year periods, and the number and percentage in each age group who can speak well, imperfectly, or not at all.

The results presented in Table XIX are shown graphically by Diagram 19.

TABLE XIX.—*Number and per cent totally deaf from early childhood (under 5), by present age and ability to speak.*

PRESENT AGE.	Total.	ABILITY TO SPEAK. Number. Well.	Number. Imperfectly.	Number. Not at all.	Per cent. Well.	Per cent. Imperfectly.	Per cent. Not at all.
All ages	26,152	1,353	4,150	20,649	5.2	15.9	78.9
Present age:							
Not stated	94	.....	13	81	.....	13.8	86.2
Stated	26,058	1,353	4,137	20,568	5.2	15.9	78.9
Under 5	846	5	55	786	0.6	6.5	92.9
5 and under 10	3,245	192	651	2,402	5.9	20.1	74.0
10 and under 15	4,399	383	1,160	2,856	8.7	26.4	64.9
15 and under 20	3,784	281	795	2,708	7.4	21.0	71.6
20 and under 25	2,422	150	361	1,911	6.2	14.9	78.9
25 and under 30	2,424	96	293	2,035	4.0	12.1	83.9
30 and under 35	1,962	73	233	1,656	3.7	11.9	84.4
35 and under 40	1,858	49	160	1,649	2.6	8.6	88.8
40 and under 45	1,297	26	104	1,167	2.0	8.0	90.0
45 and under 50	1,024	22	92	910	2.1	9.0	88.9
50 and under 55	895	18	78	799	2.0	8.7	89.3
55 and under 60	664	23	44	597	3.5	6.6	89.9
60 and under 65	483	14	42	427	2.9	8.7	88.4
65 and under 70	325	5	30	290	1.5	9.3	89.2
70 and under 75	214	4	21	189	1.9	9.8	88.3
75 and under 80	132	6	12	114	.....	.....	.....
80 and under 85	53	3	5	45	.....	.....	.....
85 and under 90	19	1	1	17	.....	.....	.....
90 and under 95	10	2	.....	8	.....	.....	.....
95 and under 100	2	.....	.....	2	.....	.....	.....
100 and over	.....	.....	.....	.....	.....	.....	.....

Diagram 19.



Beginning with the older persons referred to in Diagram 19, we find that the proportion deaf and dumb approximates 90 per cent, the curve hovering pretty steadily in the neighborhood of the 90 per cent level down to the age group 40 to 45. From this point the curve descends. The proportion deaf and dumb becomes less (or in other words the proportion able to speak increases) down to the age group 10 to 15, consisting mainly of children yet in school, of whom only 65 per cent are deaf and dumb. Below

this age group the curve again rises, because many of the children under 10 years of age have not yet entered school and are therefore in their natural speechless condition.

Very few deaf children under 5 years of age have been brought under instruction, so that here the proportion deaf and dumb goes up to the normal 90 per cent level and beyond. It is only remarkable that it does not reach 100 per cent.

That these young children are not all deaf and dumb is doubtless due to the fact that some have only recently lost their hearing, and so have not had time to forget their natural speech; while others may have received speech instruction in a kindergarten way in schools receiving pupils under the usual school age. Infant schools for the deaf have recently made their appearance, receiving pupils as young as 3 or even 2 years of age, under the belief that deaf children can most readily acquire speech at the natural age when hearing children learn to talk.

The majority of those noted in Table XIX as able to speak, speak imperfectly; and this is consistent with the conclusion that they have been taught to articulate.

The artificial speech acquired by the deaf is rarely perfect. It is usually peculiar, like the pronunciation of a foreigner, and it has marked characteristics of its own. It is probable, therefore, that most of the deaf who have acquired speech by instruction are returned as speaking "imperfectly" rather than "well," excepting, perhaps, in the case of the partially deaf, many of whom, by instruction, acquire perfect speech.

Table XIX relates exclusively to the totally deaf from early childhood (under 5), which group includes the great mass of the deaf and dumb (84.7 per cent). Those who lost hearing at a later period of life, or who are only partially deaf, respond more readily to articulation teaching, and it is probable that a larger percentage of the deaf and dumb among them have been converted by instruction into speaking persons.

Table XX gives the number and percentage of pupils taught speech in American schools for the deaf from 1884 to 1904.

Of the deaf and dumb admitted to American schools for the deaf, the proportion receiving instruction in the use of their vocal organs increased from 27.2 per cent in 1884 to 41.3 per cent in 1890 and 63 per cent in 1900.

Since 1900, the year to which the census statistics specially relate, the percentage has continued to increase. The latest available statistics from the Annals (those for 1904) show that more than two-thirds of the whole, or 67.2 per cent, were then taught speech. Still later statistics have been published by the Association Review, Volume VII, page 282, showing that in 1905 (March 31) 69.1 per cent were taught speech.

TABLE XX.—*Number and per cent of deaf taught speech in special schools for the deaf in the United States for specified years.*[1]

YEAR.	Total schools.	Total. pupils.	NUMBER TAUGHT SPEECH.			PER CENT TAUGHT SPEECH.		
			Total.	Wholly or chiefly by oral method.	Wholly or chiefly by auricular method.	Total.	Wholly or chiefly by oral method.	Wholly or chiefly by auricular method.
1857	20	1,721	.....	.....	.....	.....	.....	.....
1863	22	2,012	.....	.....	.....	.....	.....	.....
1866	24	2,469	.....	.....	.....	.....	.....	.....
1867	24	2,576	.....	.....	.....	.....	.....	.....
1868	27	2,898	.....	.....	.....	.....	.....	.....
1869	30	3,246	.....	.....	.....	.....	.....	.....
1870	34	3,784	.....	.....	.....	.....	.....	.....
1871	38	4,068	.....	.....	.....	.....	.....	.....
1872	36	4,253	.....	.....	.....	.....	.....	.....
1873	38	4,252	.....	.....	.....	.....	.....	.....
1874	44	4,892	.....	.....	.....	.....	.....	.....
1875	48	5,309	.....	.....	.....	.....	.....	.....
1876	49	5,010	.....	.....	.....	.....	.....	.....
1877	49	5,711	.....	.....	.....	.....	.....	.....
1878	49	6,166	.....	.....	.....	.....	.....	.....
1879	51	6,431	.....	.....	.....	.....	.....	.....
1880	55	6,798	.....	.....	.....	.....	.....	.....
1881	55	7,019	.....	.....	.....	.....	.....	.....
1882	55	7,155	.....	.....	.....	.....	.....	.....
1883	58	7,169	.....	.....	.....	.....	.....	.....
1884	61	7,482	2,041	.....	.....	27.2	.....	.....
1885	64	7,801	2,618	.....	.....	33.5	.....	.....
1886	66	8,050	2,484	.....	.....	30.9	.....	.....
1887	69	7,978	2,556	.....	.....	32.0	.....	.....
1888	73	8,372	3,251	.....	.....	38.8	.....	.....
1889	73	8,575	3,412	.....	.....	39.7	.....	.....
1890	77	8,901	3,682	.....	.....	41.3	.....	.....
1891	77	9,232	4,245	.....	.....	46.0	.....	.....
1892[2]	80	7,940	3,924	1,581	.....	49.4	19.9	.....
1893	79	8,304	4,485	2,056	80	54.0	24.7	0.96
1894	82	8,825	4,802	2,260	109	54.4	25.6	1.24
1895	89	9,252	5,084	2,570	149	54.9	27.7	1.61
1896	89	9,554	5,243	2,752	166	54.9	28.8	1.74
1897	95	9,749	5,498	2,466	162	56.4	35.6	1.66
1898	101	10,139	5,817	3,672	116	57.4	36.2	1.14
1899	112	10,087	6,237	4,089	128	61.8	40.5	1.27
1900	115	10,608	6,687	4,538	108	63.0	42.8	1.02
1901	118	11,028	6,988	5,147	73	63.4	46.7	0.66
1902	123	10,952	7,017	4,888	63	64.1	44.6	0.58
1903	128	11,225	7,482	5,433	100	66.6	48.4	0.89
1904	133	12,534	7,601	5,508	154	67.2	48.3	1.36

[1] [illegible] American Annals of the Deaf.
[illegible] subsequent years refer to number of pupils present [illegible] 15). Before 1892 they indicate the number present including portions of two school years.

The above statistics afford a satisfactory explanation of the fact that several thousands of persons who naturally belong to the class deaf and dumb appear in the returns of the Twelfth Census as speaking persons. The power of speech has been acquired in these cases by instruction in school.

Ability to read the lips.—Out of a total of 89,287 persons reported at the Twelfth Census as deaf, 14,474 could read the lips, 13,986 could not, and in 60,827 cases the ability to read the lips was not stated.

The large number of "not stated" cases is remarkable; but the reason becomes intelligible from an examination of Table XXI, in which the ability to read the lips is considered in connection with the period of life when deafness occurred, the degree of deafness, and the ability to speak.

The question relating to lip-reading (or "speech-reading," as it is more correctly termed) was very poorly answered by the partially deaf, and the majority of the answers were in the negative. Too few replies were received to warrant analysis, and the whole of the partially deaf were therefore tabulated as not answering the question. This accounts for the large number of "not stated" cases among the deaf

from adult life, and among those who speak well, for the vast majority of those who speak well, or who became deaf in adult life, were partially deaf.

TABLE XXI.—*The deaf, by ability to read lips, period of life when deafness occurred, degree of deafness, and ability to speak.*

PERIOD OF LIFE WHEN DEAFNESS OCCURRED, DEGREE OF DEAFNESS, AND ABILITY TO SPEAK.	Total.	ABILITY TO READ LIPS.		
		Can read lips.	Can not read lips.	Not stated.
Total	89,287	14,474	13,986	60,827
When deafness occurred:				
Childhood (under 20)	50,296	12,755	13,211	24,330
Adult life (20 and over)	35,924	1,516	568	33,840
Unknown	3,067	203	207	2,657
Degree of deafness:				
Totally deaf	37,426	14,474	13,986	8,966
Partially deaf	51,861	.....	.....	51,861
Ability to speak:				
Well	55,501	5,140	817	49,544
Imperfectly	9,417	4,693	553	4,171
Not at all	24,369	4,641	12,616	7,112

Table XXI is illustrated by Diagram 20.

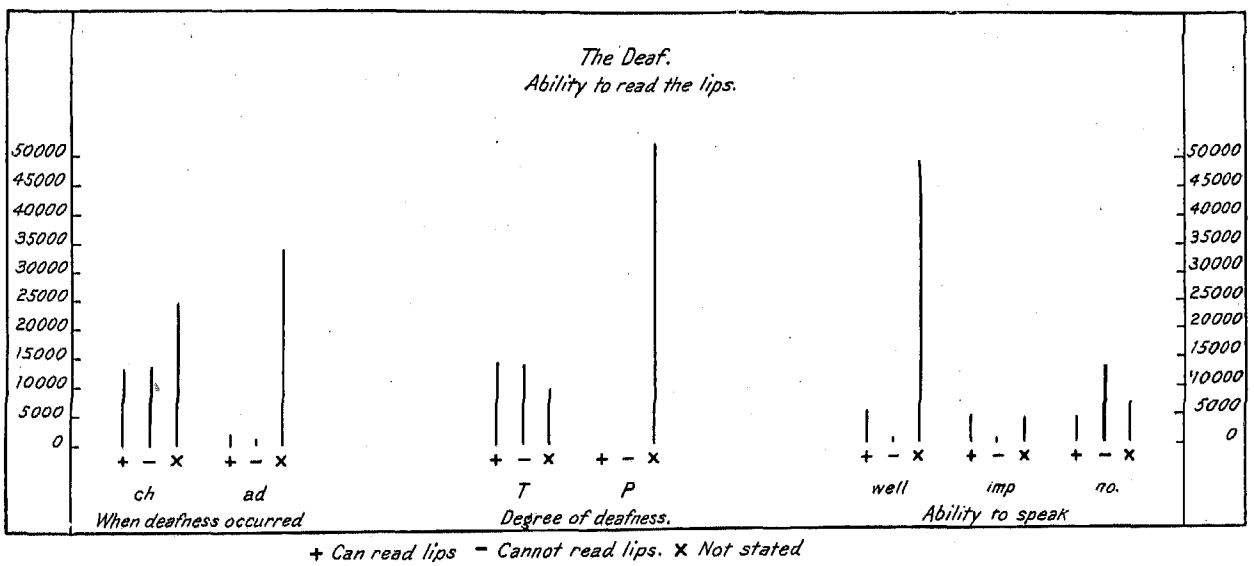
So far as the census returns show, the power of speech-reading is confined to the totally deaf. This does not arise from any natural incapacity on the part of the partially deaf to acquire the art, but from artificial conditions which interfere with its acquisition.

A person who is only slightly deaf usually turns his head away from the person with whom he converses, to one side or the other, to favor his best ear, often placing his hand to his ear to increase the volume of sound.

The turning away of the head, while it may not perhaps entirely prevent the possibility of speech-reading, is certainly not favorable to it, for the speech-reader must look at the speaker, so as to observe the movements of his mouth and the expression of his face.

Many slightly deaf persons, however, do keep their eyes fixed upon the speaker's face, and in such cases it is probable that what they hear is unconsciously supplemented by something they see. They may not call this speech-reading or know anything consciously about the art, but they recognize the fact that they do not seem to hear so well with their eyes closed. Perhaps it might be more correct to say that they have less difficulty in understanding speech when they are watching the face of the speaker than when their eyes are closed. This means that sight undoubtedly aids them in comprehending what is said.

DIAGRAM 20.



In cases of graver disability, where the degree of deafness is so great as to make it very difficult to carry on conversation by ear, the speaker's mouth is usually applied directly to the deaf person's ear, thus precluding entirely the possibility of speech-reading. It is probable that the partially deaf of the present census belong largely to this class.

Even when resort is had to artificial appliances to aid the hearing, the conditions are not favorable to speech-reading, for the mouth of the speaker is apt to be concealed, in whole or in part, by the mouthpiece of the hearing tube into which he speaks.

On the other hand, the totally deaf, though laboring under a greater natural disability than the partially deaf, are not hampered by these artificial hindrances to speech-reading. They do not turn their heads away from the speaker in order to hear better with one ear, for they do not hear at all. For the same reason words are never spoken into their ears. Artificial appliances, too, to aid the hearing never impede their view of the speaker's mouth, for they do not use them. They are free to rivet their whole attention upon the visible manifestations of utterance. It is not surprising, therefore, that some of them should have succeeded in acquiring a useful ability to read the lips, even without special instruction, by simple observation and persistent effort. It is only surprising that the partially deaf should not have been equally successful. Better equipped by nature, they are less efficient in this respect. Two senses used together, one supplementing the deficiencies of the other, would seem to be a better equipment for speech-reading than

the one sense of sight alone; but the partially deaf as a class do not read the lips. The special difficulties in their way, however, are all artificial and not inherent in the nature of the case, and could therefore be removed.

Speech-reading is now taught in our special schools for the deaf, so that many of the deaf from childhood have had the opportunity of acquiring the art by instruction. Most of those, however, who lost hearing in adult life have not apparently yet learned of this important means of ameliorating their condition. They fly to hearing trumpets and speaking tubes for relief, but rarely think of "lip-reading" in this connection. Many of them have never even heard the word, or have associated lip-reading with the "deaf and dumb" rather than with themselves.

Failure to reply to the simple question whether the person could or could not read the lips can only be taken as an indication of ignorance as to what is meant by the term "lip-reading." This involves the further point that the persons who failed to reply were, as a matter of fact, unable to read the lips, for if they could do so they would have known the meaning of the question, and no apparent reason exists why they should not have answered it. It is hardly conceivable that several thousands of persons should have failed to answer "yes" or "no" to that particular question, while freely answering others, if they understood it.

We conclude, therefore, that they did not understand it and that they could not read the lips. The answers should have been in the negative.

From Table XXI it appears that the total number of persons reported as able to read the lips was 14,474, all of whom were totally deaf. These constitute 39 per cent of the totally deaf and 16 per cent of the whole of the deaf.

Of these 14,474 cases, 12,755, or 88 per cent, were deaf from childhood, and 1,516, or 10 per cent, were deaf from adult life; 5,140, or 36 per cent, could speak well; 4,693, or 32 per cent, could speak imperfectly; and 4,641, or 32 per cent, could not speak at all. Roughly speaking, about one-third could speak well, one-third imperfectly, and one-third not at all.

It is rather remarkable that 4,641 persons who could not speak at all should have been returned as able to read the lips. The explanation seems to lie in the fact that speech and speech-reading, though always taught together in schools for the deaf, are two separate and distinct arts, and pupils may succeed in one and fail in the other. Many good speakers are poor lip-readers and many good lip-readers are poor speakers. The persons referred to probably acquired their ability to read the lips by special instruction in school, in which case they were also taught speech; and, since they were returned as unable to speak, this means that they failed to profit by their speech instruction sufficiently to be included among those who speak imperfectly or well, while retaining a useful ability to understand the speech of others by watching the mouth.

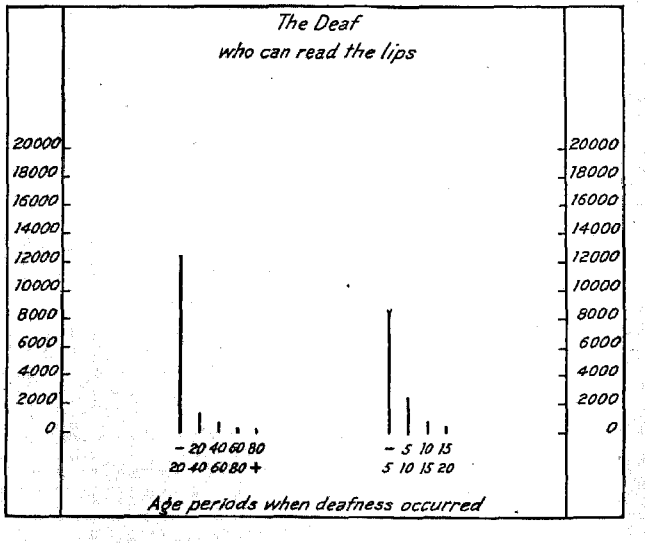
In Table XXII the deaf are analyzed by their ability to read the lips, and by age when deafness occurred.

TABLE XXII.—*The deaf, by ability to read lips, and age when deafness occurred.*

AGE WHEN DEAFNESS OCCURRED.	Total.	ABILITY TO READ LIPS.		
		Can read lips.	Can not read lips.	Not stated.
All ages	89,287	14,474	13,986	60,827
Age when deafness occurred:				
Unknown	3,067	203	207	2,657
Indefinitely stated	4,630	389	392	3,849
Definitely stated	81,590	13,882	13,387	54,321
Indefinitely stated:				
Childhood (under 20)	2,347	339	369	1,639
Adult life (20 and over)	2,283	50	23	2,210
Definitely stated:				
Birth	14,474	3,535	5,802	5,137
After birth, under 2	7,396	2,147	2,645	2,604
2 and under 5	10,536	2,877	3,261	4,398
Under 5	32,406	8,559	11,708	12,139
5 and under 10	7,018	2,333	814	3,871
10 and under 15	4,464	984	192	3,288
15 and under 20	4,061	540	128	3,393
Under 20	47,949	12,416	12,842	22,691
20 and under 40	16,588	1,081	282	15,225
40 and under 60	9,437	305	173	8,959
60 and under 80	6,595	73	78	6,444
80 and over	1,021	7	12	1,002

Table XXII is illustrated by Diagram 21.

Diagram 21.



From Table XXII it appears that very few of the deaf who can read the lips lost hearing in adult life (Diagram 21), and that most of them (62 per cent) became deaf in early childhood, before reaching the age of 5.

The deaf who can read the lips thus belong chiefly to the class totally deaf from early childhood (under 5), all of whom are naturally deaf and dumb.

The strange anomaly is here presented, that those who are by nature the least qualified to read the lips (the deaf and dumb who are totally deaf) are most successful in acquiring the art; whereas those who are best qualified by nature (the partially deaf who speak well) are least successful.

The explanation lies in the fact that most of the partially deaf who speak well, became deaf in adult

life and have not received any special instruction in lip-reading; whereas most of the deaf and dumb who are totally deaf, lost hearing in early childhood and were sent to special schools for the deaf, where they were taught speech-reading as a regular part of their curriculum. The difference is due to instruction.

Usual means of communication.—Table 1 shows the usual means of communication employed by the deaf. Four methods of communication are noted: Si (sign-language); fg (finger-spelling); sp (speech); and wr (writing).

Some of the deaf use one of these methods alone, others employ two or more, and still others, all of them. It therefore becomes advisable to classify the methods of communication employed, in order to study the combinations intelligently.

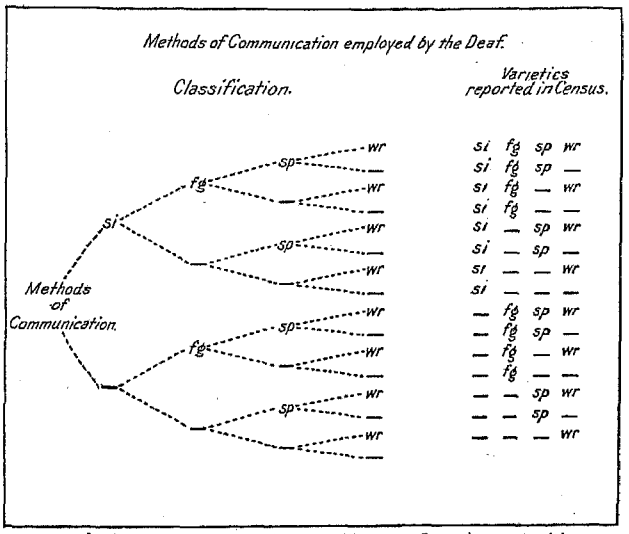
We may commence by dividing the deaf into two classes, those who employ the sign-language and those who do not.

Each of these classes may be divided into two broad groups (analogous to genera), viz, those who employ finger-spelling and those who do not.

Each of these broad groups may be divided into two subgroups (analogous to species), viz, those who employ speech and those who do not.

Each of these subgroups may be still further divided into two varieties, those who resort to writing and those who do not.

Diagram 22.



si-Sign Language. fg.-Finger-Spelling. sp-Speech. wr-Writing.

Diagram 22 exhibits the whole scheme of classification, after the manner of a genealogical chart, with the varieties reported in the census returns, arranged in accordance with the classification. Fifteen varieties are reported, and these include all the possible combinations of si, fg, sp, and wr.

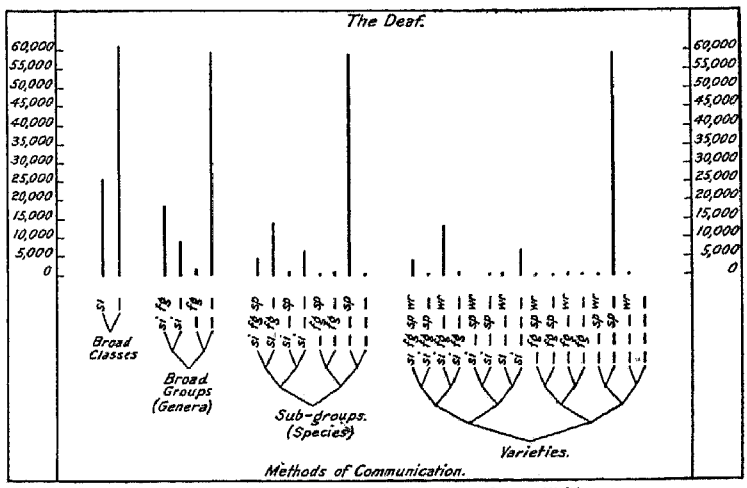
Table XXIII shows the method of communication employed, by the period of life when deafness occurred and the degree of deafness.

TABLE XXIII.—THE DEAF, BY DEGREE OF DEAFNESS, PERIOD OF LIFE WHEN DEAFNESS OCCURRED, AND METHOD OF COMMUNICATION.

METHOD OF COMMUNICATION.	Aggregate.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.									DEGREE OF DEAFNESS.	
		Childhood (under 20).			Adult life (20 and over).			Unknown.				
		Total.	Totally deaf.	Partially deaf.	Total.	Totally deaf.	Partially deaf.	Total.	Totally deaf.	Partially deaf.	Totally deaf.	Partially deaf.
Total	89,287	50,296	33,148	17,148	35,924	3,483	32,441	3,067	795	2,272	37,426	51,861
Methods of communication:												
Not stated	2,652	2,416	2,184	232	63	34	29	173	147	26	2,365	287
Stated	86,635	47,880	30,964	16,916	35,861	3,449	32,412	2,894	648	2,246	35,061	51,574
Si	25,748	25,251	23,512	1,739	149	97	52	348	309	39	23,918	1,830
—	60,887	22,629	7,452	15,177	35,712	3,352	32,360	2,546	339	2,207	11,143	49,744
Si fg	18,087	17,880	16,891	989	24	21	3	183	170	13	17,082	1,005
Si —	7,661	7,371	6,621	750	125	76	49	165	139	26	6,836	825
— fg	1,483	1,437	1,347	90	24	18	6	22	19	3	1,384	99
— —	59,404	21,192	6,105	15,087	35,688	3,334	32,354	2,524	320	2,204	9,759	49,645
Si fg sp	4,254	4,216	3,455	761	10	7	3	28	20	8	3,482	772
Si fg —	13,833	13,664	13,436	228	14	14	.....	155	150	5	13,600	233
Si — sp	1,070	1,000	534	466	48	21	27	22	16	6	571	499
Si — —	6,591	6,371	6,087	284	77	55	22	143	123	20	6,265	326
— fg sp	436	416	346	70	13	12	1	7	5	2	363	73
— fg —	1,047	1,021	1,001	20	11	6	5	15	14	1	1,021	26
— — sp	59,158	20,977	5,900	15,077	35,674	3,324	32,350	2,507	304	2,203	9,528	49,630
— — —	246	215	205	10	14	10	4	17	16	1	231	15
Si fg sp wr	4,049	4,016	3,317	699	7	4	3	26	19	7	3,340	709
Si fg sp —	205	200	138	62	3	3	.....	2	1	1	142	63
Si fg — wr	12,826	12,674	12,470	204	12	12	.....	140	135	5	12,617	209
Si fg — —	1,007	990	966	24	2	2	.....	15	15	.....	983	24
Si — sp wr	195	185	140	45	7	6	1	3	1	2	147	48
Si — sp —	875	815	394	421	41	15	26	19	15	4	424	451
Si — — wr	371	358	350	8	6	4	2	7	7	.....	361	10
Si — — —	6,220	6,013	5,737	276	71	51	20	136	116	20	5,904	316
— fg sp wr	368	357	307	50	8	7	1	3	3	.....	317	51
— fg sp —	68	59	39	20	5	5	.....	4	2	2	46	22
— fg — wr	776	760	747	13	7	3	4	9	9	.....	759	17
— fg — —	271	261	254	7	4	3	1	6	5	1	262	9
— — sp wr	557	500	415	85	44	27	17	13	8	5	450	107
— — sp —	58,601	20,477	5,485	14,992	35,630	3,297	32,333	2,494	296	2,198	9,078	49,523
— — — wr	246	215	205	10	14	10	4	17	16	1	231	15
— — — —	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

The methods of communication shown in Table XXIII are illustrated by Diagram 23.

DIAGRAM 23.



si-Sign Language; fg-Finger Spelling; sp-Speech; wr-Writing.

Out of 89,287 deaf, the usual methods of communication are stated in 86,635 cases, and not stated in 2,652. The following percentages have been calculated upon the stated cases:

THE DEAF.

BROAD CLASSES.

Si.....29.7 per cent employ the sign-language.
—.....70.3 per cent do not.

BROAD GROUPS.

Si fg.....20.9 per cent employ both sign-language and finger-spelling.
Si —..... 8.8 per cent employ sign-language but not finger-spelling.
— fg..... 1.7 per cent employ finger-spelling but not sign-language.
— — .....68.6 per cent employ neither sign-language nor finger-spelling.

PRINCIPAL SUBGROUPS.

Si fg sp..... 4.9 per cent employ sign-language, finger-spelling, and speech.
Si fg —.....16.0 per cent employ si and fg but not sp.
Si — —..... 7.6 per cent employ si but not fg or sp.
— — sp.....68.3 per cent employ sp but not si or fg.
3.2 per cent employ other combinations of si, fg, and sp.

PRINCIPAL VARIETIES.

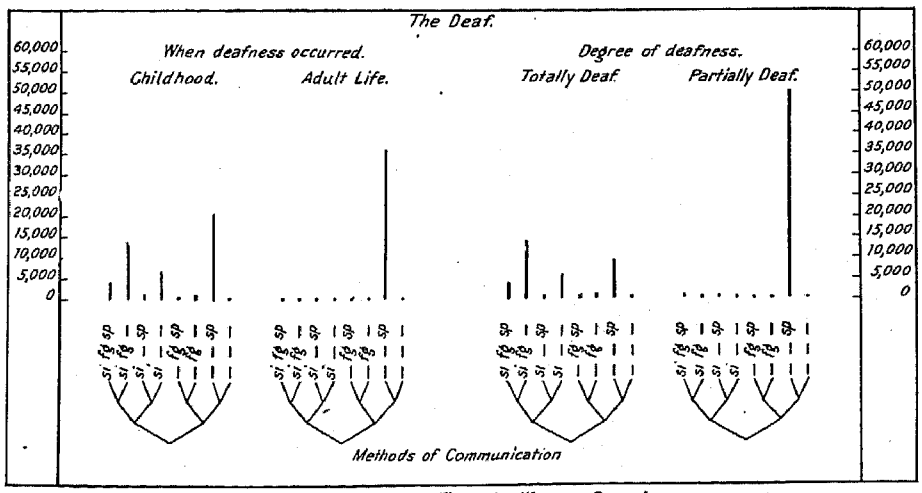
Si fg sp wr.. 4.7 per cent employ sign-language, finger-spelling, speech, and writing.
Si fg — wr..14.8 per cent employ si, fg and wr but not sp.
Si — — —... 7.2 per cent employ si but not fg, sp, or wr.
— — sp —...67.6 per cent employ sp but not si, fg, or wr.
5.7 per cent employ other varieties.

The total number employing the sign-language is 25,748, the total using finger-spelling is 19,570, the total using speech is 64,918, and the total who resort to writing is 19,388. Writing, although the clearest and most definite means of communication known to the deaf, is as a rule used only as a last resort, because it is, of all means known, the slowest and most laborious. We can not assume that those persons can not write who do not specify writing among the means they employ. This omission simply means that they can make themselves sufficiently understood by the other methods specified, and do not usually resort to writing as a means of communication.

Diagram 24 contrasts the usual means of communication employed by the deaf from childhood and deaf from adult life; and by the totally deaf and partially deaf, using "subgroups" as sufficiently detailed for the purposes of comparison.

This diagram shows that the deaf from adult life and the partially deaf employ substantially only one of the methods of communication known, viz, — — sp (speech without sign-language or finger-spelling).

DIAGRAM 24.



si-Sign Language; fg-Finger Spelling; sp-Speech.

Of the deaf from adult life, 99.5 per cent employ — — sp, and only 0.5 per cent employ other means.

Of the partially deaf, 96.2 per cent employ — — sp, and only 3.8 per cent employ other means.

The following percentages relate to the deaf from childhood (under 20) and are based upon 47,880 cases in which the usual means of communication are stated (Table XXIII).

THE DEAF FROM CHILDHOOD (UNDER 20).

BROAD CLASSES.

Si.....52.7 per cent employ the sign-language.
—.....47.3 per cent do not.

BROAD GROUPS.

Si fg.....37.3 per cent employ both sign-language and finger-spelling.
Si —.....15.4 per cent employ si but not fg.
— fg..... 3.0 per cent employ fg but not si.
— —.....44.3 per cent employ neither si nor fg.

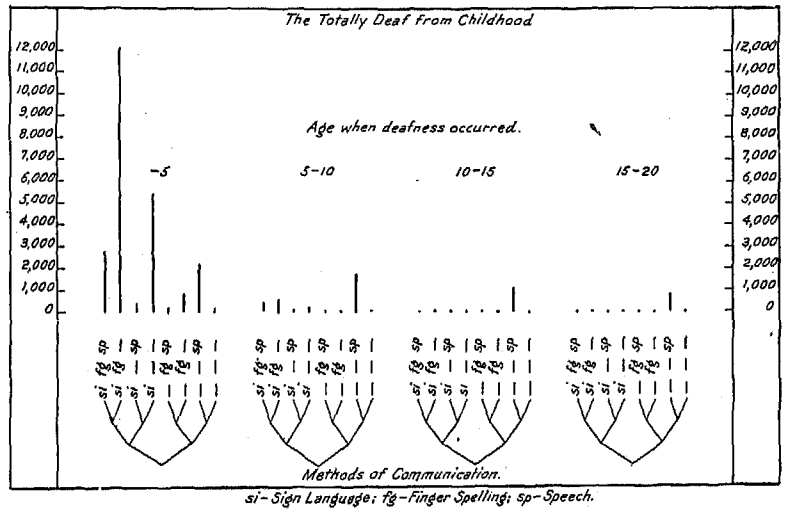
SUBGROUPS.

Si fg sp..... 8.8 per cent employ sign-language, finger-spelling, and speech.
Si fg —.....28.5 per cent employ si and fg but not sp.
Si — sp..... 2.1 per cent employ si and sp but not fg.
Si — —.....13.3 per cent employ si but not fg or sp.
— fg sp..... 0.9 per cent employ fg and sp but not si.
— fg —..... 2.1 per cent employ fg but not si or sp.
— — sp.....43.8 per cent employ sp but not si or fg.
— — —..... 0.5 per cent employ neither fg, si, nor sp (only writing).

Diagrams 25 and 26 contrast the usual means of communication employed by the totally and partially deaf from childhood (under 20), distinguishing the age when deafness occurred by five-year groups.

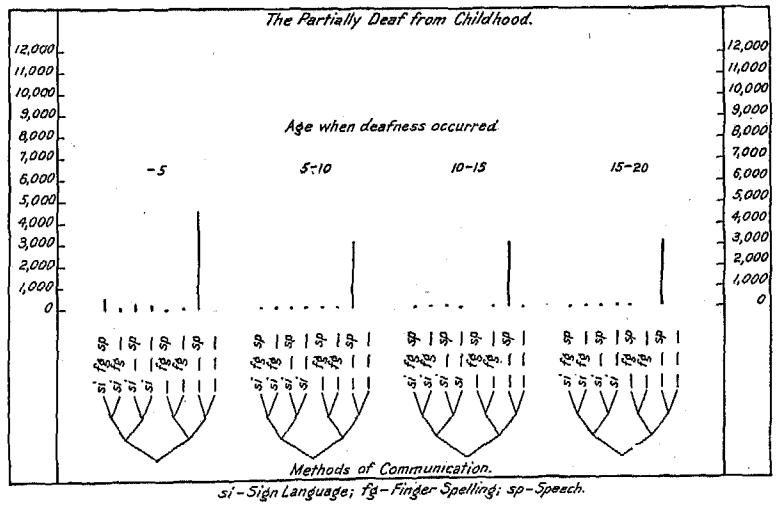
From these diagrams it appears that comparatively few of the deaf from childhood who lost hearing after reaching the age of 5, whether totally or partially deaf, employ other means of communication than — — sp (speech without sign-language or finger-spelling).

DIAGRAM 25.



si-Sign Language; fg-Finger Spelling; sp-Speech.

DIAGRAM 26.



si-Sign Language; fg-Finger Spelling; sp-Speech.

Of those who became deaf before reaching the age of 5, the partially deaf, with few exceptions, also employ — — sp (Diagram 26), so that the use of the special means of communication (sign-language and finger-spelling) seems to be confined chiefly to the totally deaf who lost hearing before reaching the age of 5 (Diagram 25). The number of persons employing sign-language or finger-spelling who do not belong to this group (the totally deaf from early childhood) is so small as to form only an insignificant fraction of the

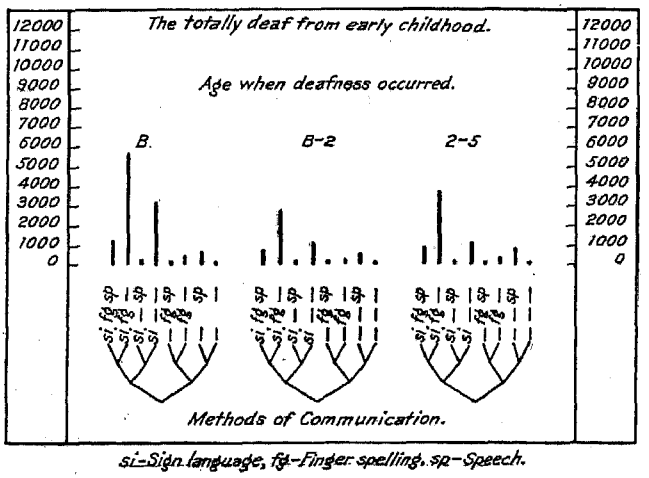
whole, excepting in case of the totally deaf who lost hearing between 5 and 10 years (Diagram 25) and the partially deaf who became deaf before 5 (Diagram 26).

Table XXIV shows, for the deaf from childhood (under 20), the usual means of communication, by degree of deafness and age when deafness occurred.

TABLE XXIV.—THE DEAF FROM CHILDHOOD (UNDER 20), BY DEGREE OF DEAFNESS, AGE WHEN DEAFNESS OCCURRED, AND METHODS OF COMMUNICATION.

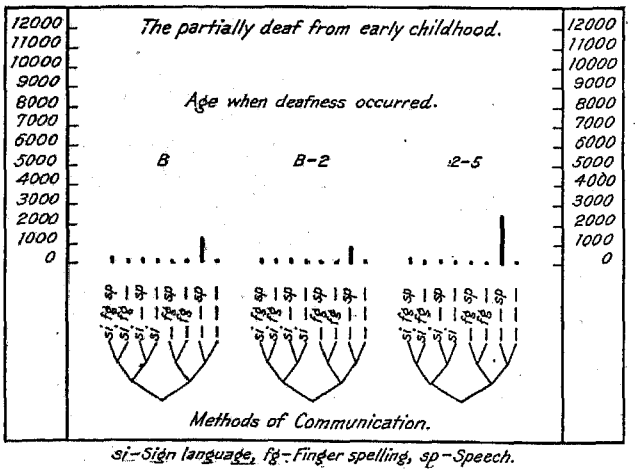
METHOD OF COMMUNICATION.	TOTALLY DEAF.						PARTIALLY DEAF.					
	Total.	Age when deafness occurred.					Total.	Age when deafness occurred.				
		Under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated (under 20).		Under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated (under 20).
Total	33,148	26,152	3,718	1,425	865	988	17,148	6,254	3,300	3,039	3,196	1,359
Methods of communication:												
Not stated	2,184	1,956	116	24	8	80	232	183	13	5	3	28
Stated	30,964	24,196	3,602	1,401	857	908	16,916	6,071	3,287	3,034	3,193	1,331
Si	23,512	20,789	1,738	217	52	716	1,739	1,434	111	21	15	158
—	7,452	3,407	1,864	1,184	805	192	15,177	4,637	3,176	3,013	3,178	1,173
Si fg	16,891	14,978	1,250	108	25	530	989	815	70	8	3	93
Si —	6,621	5,811	488	109	27	186	750	619	41	13	12	65
— fg	1,347	1,132	133	33	14	35	90	66	12	1	2	9
— —	6,105	2,275	1,731	1,151	791	157	15,087	4,571	3,164	3,012	3,176	1,164
Si fg sp	3,455	2,805	465	49	9	127	761	622	58	7	1	73
Si fg —	13,436	12,173	785	59	16	403	228	193	12	1	2	20
Si — sp	534	361	104	36	9	24	466	387	22	10	4	43
Si — —	6,087	5,450	384	73	18	162	284	232	19	3	8	22
— fg sp	346	231	68	24	10	13	70	49	11	.....	2	8
— fg —	1,001	901	65	9	4	22	20	17	1	1	.....	1
— — sp	5,900	2,106	1,711	1,143	787	153	15,077	4,562	3,164	3,011	3,176	1,164
— — —	205	169	20	8	4	4	10	9	.....	1	.....	.....
Si fg sp wr	3,317	2,700	443	46	8	120	699	570	54	7	1	67
Si fg sp —	138	105	22	3	1	7	62	52	4	.....	.....	6
Si fg — wr	12,470	11,300	734	52	13	371	204	174	10	1	2	17
Si fg — —	966	873	51	7	3	32	24	19	2	.....	.....	3
Si — sp wr	140	105	19	9	2	5	45	37	.....	.....	.....	8
Si — sp —	394	256	85	27	7	19	421	350	22	10	4	35
Si — — wr	350	312	25	4	.....	9	8	7	.....	.....	.....	1
Si — — —	5,737	5,138	359	69	18	153	276	225	19	3	8	21
— fg sp wr	307	206	61	20	9	11	50	35	8	.....	2	5
— fg sp —	39	25	7	4	1	2	20	14	3	.....	.....	3
— fg — wr	747	666	52	7	4	18	13	10	1	1	.....	1
— fg — —	254	235	13	2	.....	4	7	7	.....	.....	.....	.....
— — sp wr	415	301	51	35	17	11	85	64	10	4	1	6
— — sp —	5,485	1,805	1,660	1,108	770	142	14,992	4,498	3,154	3,007	3,175	1,158
— — — wr	205	169	20	8	4	4	10	9	.....	1	.....	.....
— — — —	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

Diagram 27.



si-Sign language, fg-Finger spelling, sp-Speech.

Diagram 28.



si-Sign language, fg-Finger spelling, sp-Speech.

Diagrams 27 and 28 contrast the usual means of communication employed by the totally and partially deaf from early childhood (under 5), distinguishing the deaf from birth from those who became deaf in infancy (under 2) and those who lost hearing between 2 and 5. The use of the special means (sign-language and finger-spelling) is substantially confined to the totally deaf from early childhood (Diagram 27).

The following percentages relate to the totally deaf from early childhood (under 5), and are based upon 24,196 cases in which the usual means of communication are stated according to the preceding table.

THE TOTALLY DEAF FROM EARLY CHILDHOOD (UNDER 5).

BROAD CLASSES.

Si.....85.9 per cent employ the sign-language.
—.....14.1 per cent do not.

BROAD GROUPS.

Si fg.....61.9 per cent employ both sign-language and finger-spelling.
Si —.....24.0 per cent employ si but not fg.
— fg..... 4.7 per cent employ fg but not si.
— —..... 9.4 per cent employ neither si nor fg.

SUBGROUPS.

Si fg sp.....11.6 per cent employ sign-language, finger-spelling, and speech.
Si fg —.....50.3 per cent employ si and fg but not sp.
Si — sp..... 1.5 per cent employ si and sp but not fg.
Si — —.....22.5 per cent employ si but not fg or sp.
— fg sp..... 1.0 per cent employ fg and sp but not si.
— fg —..... 3.7 per cent employ fg but not si or sp.
— — sp..... 8.7 per cent employ sp but not si or fg.
— — —..... 0.7 per cent employ neither si, fg, nor sp (only writing).

Table xxv shows, for the deaf from early childhood (under 5), the usual means of communication, degree of deafness, and age when deafness occurred.

TABLE XXV.—THE DEAF FROM EARLY CHILDHOOD (UNDER 5), BY DEGREE OF DEAFNESS, AGE WHEN DEAFNESS OCCURRED, AND METHODS OF COMMUNICATION.

METHOD OF COMMUNICATION.	TOTALLY DEAF.				PARTIALLY DEAF.			
	Total.	Age when deafness occurred.			Total.	Age when deafness occurred.		
		Birth.	After birth, under 2.	2 and under 5.		Birth.	After birth, under 2.	2 and under 5.
Total	26,152	12,609	5,998	7,545	6,254	1,865	1,398	2,991
Methods of communication:								
Not stated	1,956	1,183	417	356	183	95	50	38
Stated	24,196	11,426	5,581	7,189	6,071	1,770	1,348	2,953
Si	20,789	9,993	4,839	5,957	1,434	566	430	438
—	3,407	1,433	742	1,232	4,637	1,204	918	2,515
Si fg	14,978	6,738	3,609	4,631	815	287	259	269
Si —	5,811	3,255	1,230	1,326	619	279	171	169
— fg	1,132	564	252	316	66	20	15	31
— —	2,275	869	490	916	4,571	1,184	903	2,484
Si fg sp	2,805	1,081	738	986	622	219	192	211
Si fg —	12,173	5,657	2,871	3,645	193	68	67	58
Si — sp	361	129	94	138	387	173	101	113
Si — —	5,450	3,126	1,136	1,188	232	106	70	56
— fg sp	231	87	71	73	49	14	12	23
— fg —	901	477	181	243	17	6	3	8
— — sp	2,106	784	450	872	4,562	1,182	899	2,481
— — —	169	85	40	44	9	2	4	3
Si fg sp wr	2,700	1,043	710	947	570	198	178	194
Si fg sp —	105	38	28	39	52	21	14	17
Si fg — wr	11,300	5,159	2,695	3,446	174	60	61	53
Si fg — —	873	498	176	199	19	8	6	5
Si — sp wr	105	40	29	36	37	11	16	10
Si — sp —	256	89	65	102	350	162	85	103
Si — — wr	312	147	64	101	7	2	1	4
Si — — —	5,138	2,979	1,072	1,087	225	104	69	52
— fg sp wr	206	78	62	66	35	12	7	16
— fg sp —	25	9	9	7	14	2	5	7
— fg — wr	666	337	141	188	10	3	3	4
— fg — —	235	140	40	55	7	3	.....	4
— — sp wr	301	125	79	97	64	26	18	20
— — sp —	1,805	659	371	775	4,498	1,156	881	2,461
— — — wr	169	85	40	44	9	2	4	3
— — — —	.....	.....	.....	.....	.....	.....	.....	.....

The following percentages relate to the totally deaf from birth, and are based upon 11,426 cases in which the usual means of communication are stated (Table xxv):

THE TOTALLY DEAF FROM BIRTH.

BROAD CLASSES.

Si..... 87.5 per cent employ the sign-language.
—..... 12.5 per cent do not.

BROAD GROUPS.

Si fg..... 59.0 per cent employ both sign-language and finger-spelling.
Si —..... 28.5 per cent employ si but not fg.
— fg..... 4.9 per cent employ fg but not si.
— —..... 7.6 per cent employ neither si nor fg.

SUBGROUPS.

Si fg sp..... 9.5 per cent employ sign-language, finger-spelling, and speech.
Si fg —..... 49.5 per cent employ si and fg but not sp.
Si — sp..... 1.1 per cent employ si and sp but not fg.
Si — —..... 27.3 per cent employ si but not fg or sp.
— fg sp..... 0.8 per cent employ fg and sp but not si.
— fg —..... 4.2 per cent employ fg but not si or sp.
— — sp..... 6.9 per cent employ sp but not si or fg.
— — —..... 0.7 per cent employ neither si, fg, nor sp (only writing).

Table xxvi shows the total number of deaf persons using sign-language, finger-spelling, speech, or writing, in connection with the age when deafness occurred.

TABLE XXVI.—THE DEAF, BY AGE WHEN DEAFNESS OCCURRED, AND METHODS OF COMMUNICATION.

METHOD OF COMMUNICATION.	Total.	AGE WHEN DEAFNESS OCCURRED.			AGE WHEN DEAFNESS OCCURRED DEFINITELY STATED.											
		Definitely stated.	Indefinitely stated.	Unknown.	Birth.	After birth, under 2.	2 and under 5.	Under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.
Total	89,287	81,590	4,630	3,067	14,474	7,396	10,536	32,406	7,018	4,464	4,061	47,949	16,588	9,437	6,595	1,021
Usual means of communication:																
Not stated	2,652	2,364	115	173	1,278	467	394	2,139	129	29	11	2,308	26	13	13	4
Stated	86,635	79,226	4,515	2,894	13,196	6,929	10,142	30,267	6,889	4,435	4,050	45,641	16,562	9,424	6,582	1,017
Stated:																
Sign-language used	25,748	24,515	885	348	10,559	5,269	6,395	22,223	1,849	238	67	24,377	90	30	17	1
Sign-language not used	60,887	54,711	3,630	2,546	2,637	1,660	3,747	8,044	5,040	4,197	3,983	21,264	16,472	9,394	6,565	1,016
Finger-spelling used	19,570	18,698	667	205	7,609	4,135	5,247	16,991	1,465	150	44	18,650	38	6	4	.....
Finger-spelling not used	67,065	60,528	3,848	2,689	5,587	2,794	4,895	13,276	5,424	4,285	4,006	26,991	16,524	9,418	6,578	1,017
Speech used	64,918	58,480	3,874	2,564	3,669	2,557	4,897	11,123	5,603	4,280	3,998	25,004	16,498	9,396	6,566	1,016
Speech not used	21,717	20,746	641	330	9,527	4,372	5,245	19,144	1,286	155	52	20,637	64	28	16	1
Writing used	19,388	18,513	657	218	7,328	4,108	5,229	16,665	1,488	195	63	18,411	74	21	6	1
Writing not used	67,247	60,713	3,858	2,676	5,868	2,821	4,913	13,602	5,401	4,240	3,987	27,230	16,488	9,403	6,576	1,016

Table XXVI is illustrated by Diagrams 29 and 30.

Diagram 29.

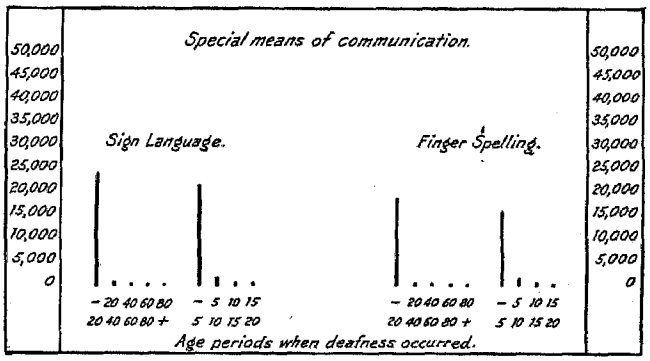
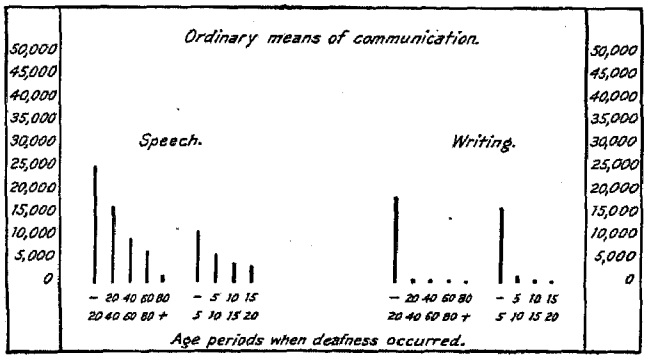


Diagram 30.



From Table XXVI and the diagrams it will be observed that the use of sign-language, finger-spelling, or writing is substantially confined to persons who lost hearing before they were 20 years of age; and that comparatively few who became deaf after 5 years of age employ them as means of communication.

The usual means of communication employed by the deaf throw light upon their social environment, for it is obvious that however much the deaf may mingle with people generally in pursuing their daily vocations in life, they are restricted in their social intercourse to persons who understand the means of communication they employ. It is with such persons principally that they associate upon intimate terms, and it is from among them that they choose their partners in marriage.

In considering the four means of communication employed by the deaf it will be noted that speech and writing are understood by hearing people generally, and that sign-language and finger-spelling are not. Speech and writing, therefore, are principally employed by the deaf in communicating with hearing persons; sign-language and finger-spelling principally in talking with other deaf persons.

Although the majority of the deaf can speak, speech is not readily understood by them on account of their deafness. Only those who are partially deaf or who can read the lips can understand it. Writing, therefore, is the only means of communication understood generally both by the deaf and hearing, but its use is limited to educated persons. While writing is commonly employed in communicating with others at a distance, it is comparatively rarely used in talking with people close at hand. A deaf person may converse by writing with a hearing person, or a hearing person with a deaf; but the deaf do not communicate with the deaf in this way, nor the hearing with the hearing. Writing, therefore, as a direct means of communication, is limited to the communications of the deaf with the hearing and *vice versa.*

In communicating with hearing persons, speech without writing (sp —) is used by the deaf who speak well, writing without speech (— wr) by those who do not speak at all, and both speech and writing (sp wr) by those who speak imperfectly—not necessarily both at the same time, but speech in talking with persons who can understand their imperfect articulation, and writing with those who do not. Both speech and writing (sp wr) may also be reported by persons who speak well, in which case we may interpret the returns to mean that these deaf persons were poor lip-readers,

and could not understand the speech of the persons with whom they conversed, who were therefore obliged to reply by writing.

Where speech is reported as the sole means of communication (— — sp —) we may interpret this to mean that the deaf persons can understand speech as well as use it, so that other means of communication are not resorted to. Such persons, therefore, are either partially deaf, or are persons who are able to read the lips; and their social intercourse is with hearing persons rather than deaf.

The sign-language is a special language peculiar to the deaf. It is not understood by people generally, and to the majority of the deaf themselves it is a foreign language. If, as is probable, the deaf who understand it are chiefly those who use it, then it is obvious that more than two-thirds of the deaf (70.3 per cent) do not understand it, for only 29.7 per cent employ it as a means of communication, and these consist largely of persons who are totally deaf from early childhood (under 5).

The sign-language, then, is employed chiefly by the deaf in conversing with other deaf persons who lost hearing completely in early childhood (under 5). It is intelligible to only a small section of hearing persons, who consist mainly of those, who, as children, were thrown closely into association with the deaf who employed it—chiefly the brothers, sisters, and children of persons totally deaf from early childhood (under 5). Few hearing adults acquire the language, and these consist mainly of professional instructors of the deaf.

Finger-spelling is employed incidentally by the educated deaf who use the sign-language in talking with one another, but chiefly as a means of expressing proper names, like the names of persons and places. Comparatively few of the deaf use it alone as a means of communication except in talking with hearing persons who understand it. The limitations to its use are the same as those noted for the sign-language, except that it is understood by a somewhat larger circle of hearing persons. Hearing adults easily learn to spell upon their fingers, whereas they find it as difficult to acquire the sign-language as any foreign tongue.

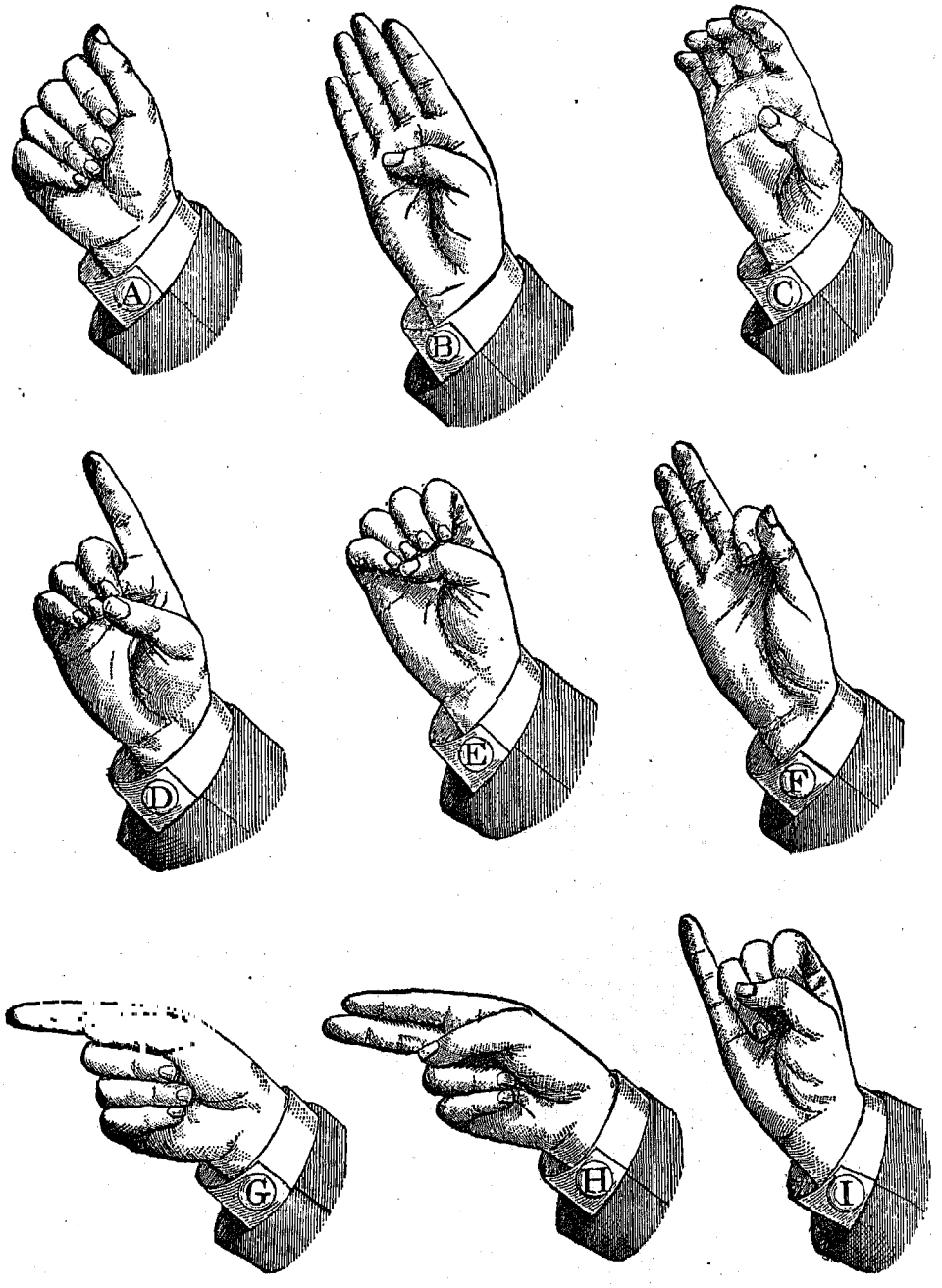
The American Manual Alphabet employed in finger-spelling by the deaf is shown in the illustrations on pages 96, 97, and 98, which have been copied from plates supplied by the Volta Bureau, which were prepared under the direction of the late Dr. Joseph C. Gordon.

In concluding this subject we may say that when the English language alone is employed in its spoken, written, or finger-spelled forms without any recourse to the sign-language (— fg sp or wr) the deaf persons associate principally, if not exclusively, with hearing persons.

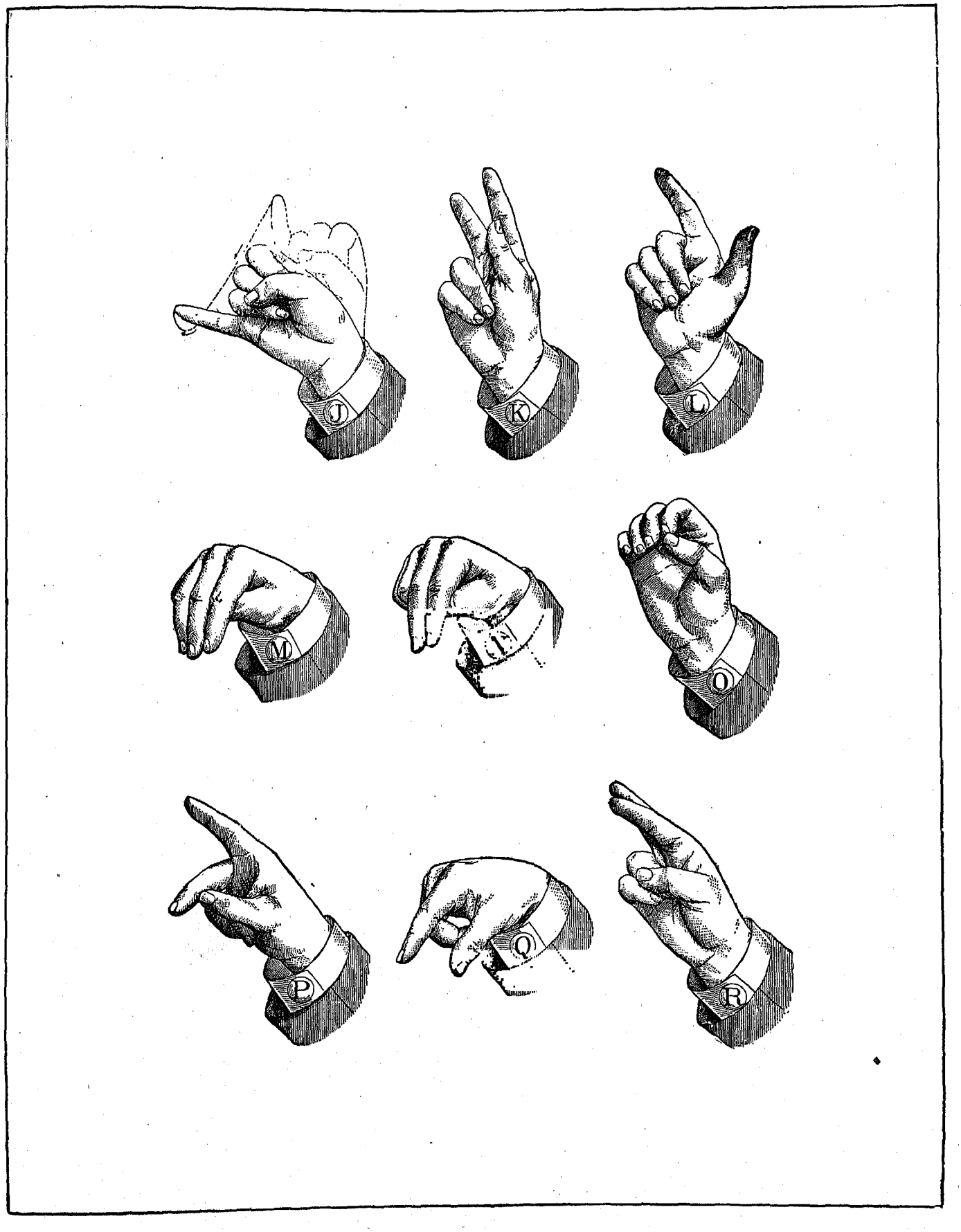
Where the sign-language (si — — —) alone is employed they associate principally, if not exclusively, with persons totally deaf from early childhood (under 5) and their hearing brothers, sisters, or children.

Where both the sign-language (si) and the English language (fg, sp, or wr) are employed, they associate with both of the classes referred to above.

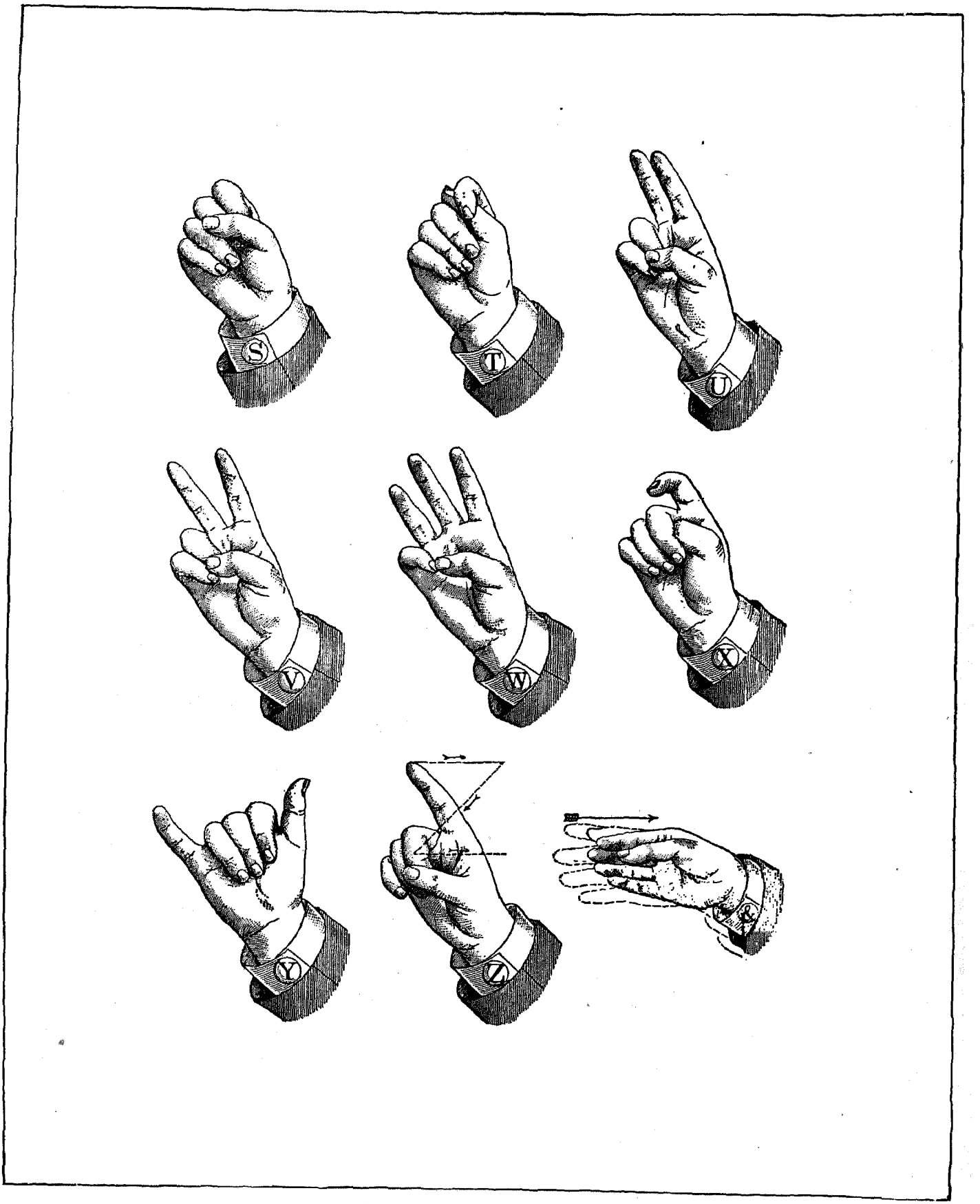
AMERICAN MANUAL ALPHABET USED IN FINGER-SPELLING.



AMERICAN MANUAL ALPHABET USED IN FINGER-SPELLING.



AMERICAN MANUAL ALPHABET USED IN FINGER-SPELLING.



Sex.—Out of a total of 89,287 persons returned as deaf, 46,915 were males and 42,372 were females (Table 2); the majority of the deaf are males. This fact has often been commented upon; for it is a matter of common observation that in schools for the deaf, male pupils are nearly always in the majority. The question, therefore, has often been discussed: "Why is it that there are more deaf males than females?" Various hypotheses have been adduced, such as that males are more exposed to the accidents and diseases of life than females, etc. It may be well, however, to be cautious about generalizations of this kind without sufficient evidence, for the question proposed bears a remarkable likeness to the old catch-question that has puzzled so many school boys: "Why do white sheep eat more than black sheep?" to which the answer was, "There are more of them." There are more males in the population at large than females (Table XXVII), so that there is really nothing surprising about the fact that the majority of the deaf should be males. Of the total population, 51.1 per cent are males and 48.9 per cent, females.

In the case of the deaf 52.5 per cent are males and 47.5 per cent are females (Table XXVIII). It thus appears that the proportion of males among the deaf is somewhat in excess of the proportion in the population at large, so that there may be some truth after all in the hypothesis that males are more exposed to accidents of life than females, or more susceptible to the diseases that produce deafness. It is to be noticed, however, that the predominance of males is not confined to those who lost hearing from accident or disease, but extends to the congenitally deaf. Of the deaf from birth, 53 per cent are males and only 47 per cent females (Table XXIX).

Table XXVII shows the deaf by sex, race, and nativity in relation to the time when deafness occurred, degree of deafness, and ability to speak.

TABLE XXVII.—THE DEAF, BY SEX, RACE, NATIVITY, PERIOD OF LIFE WHEN DEAFNESS OCCURRED, DEGREE OF DEAFNESS, AND ABILITY TO SPEAK, COMPARED WITH TOTAL POPULATION.

SEX, RACE, AND NATIVITY.	Total population.	THE DEAF.								
		Total.	Period of life when deafness occurred.			Degree of deafness.		Ability to speak.		
			Childhood (under 20).	Adult life (20 and over).	Unknown.	Totally deaf.	Partially deaf.	Well.	Imperfectly.	Not at all.
Total	75,994,575	89,287	50,296	35,924	3,067	37,426	51,861	55,501	9,417	24,369
Sex:										
Male	38,816,448	46,915	26,543	18,797	1,575	20,218	26,697	28,306	5,114	13,495
Female	37,178,127	42,372	23,753	17,127	1,492	17,208	25,164	27,195	4,303	10,874
Race:										
White	66,809,196	84,361	46,807	34,655	2,899	34,590	49,771	53,449	8,902	22,010
Male	34,201,735	44,223	24,674	18,069	1,480	18,694	25,529	27,149	4,850	12,224
Female	32,607,461	40,138	22,133	16,586	1,419	15,896	24,242	26,300	4,052	9,786
Colored[1]	9,185,379	4,926	3,489	1,269	168	2,836	2,090	2,052	515	2,359
Male	4,614,713	2,692	1,869	728	95	1,524	1,168	1,157	264	1,271
Female	4,570,666	2,234	1,620	541	73	1,312	922	895	251	1,088
White:										
Native	56,595,379	69,865	41,155	26,612	2,098	30,054	39,811	42,721	7,657	19,487
Male	28,686,450	36,338	21,665	13,604	1,069	16,199	20,139	21,366	4,138	10,834
Female	27,908,929	33,527	19,490	13,008	1,029	3,855	19,672	21,355	3,519	8,653
Foreign born	10,213,817	13,786	5,108	7,963	715	4,014	9,772	10,533	1,111	2,142
Male	5,515,285	7,506	2,704	4,427	375	2,215	5,291	5,686	637	1,183
Female	4,698,532	6,280	2,404	3,536	340	1,799	4,481	4,847	474	959
Unknown nativity	.....	710	544	80	86	522	188	195	134	381
Male	.....	379	305	38	36	280	99	97	75	207
Female	.....	331	239	42	50	242	89	98	59	174
Colored:										
Negro	8,833,994	4,649	.....	.....	.....	2,701	1,948	.....	.....	.....
Male	4,386,547	2,526	.....	.....	.....	1,449	1,077	.....	.....	.....
Female	4,447,447	2,123	.....	.....	.....	1,252	871	.....	.....	.....
Indian	237,196	273	.....	.....	.....	132	141	.....	.....	.....
Male	119,484	163	.....	.....	.....	73	90	.....	.....	.....
Female	117,712	110	.....	.....	.....	59	51	.....	.....	.....
Mongolian	114,189	4	.....	.....	.....	3	1	.....	.....	.....
Male	108,682	3	.....	.....	.....	2	1	.....	.....	.....
Female	5,507	1	.....	.....	.....	1	.....	.....	.....	.....

[1] Including Indians and Mongolians.

Table XXVIII shows the number and percentage of the deaf of each sex, by period of life when deafness occurred, degree of deafness, ability to speak, race, nativity of whites, marital condition, and those having deaf relatives. Table XXIX shows the number and percentage of the deaf of each sex, by age when deafness occurred, present age, and school attendance.

TABLE XXVIII.—*Number and per cent of deaf, by degree of deafness, sex, race, marital condition, and deaf relatives.*

SEX, RACE, MARITAL CONDITION, ETC.	NUMBER.			PER CENT.	
	Total.	Male.	Female.	Male.	Female.
Total	89,287	46,915	42,372	52.5	47.5
Period of life when deafness occurred:					
Childhood (under 20)	50,296	26,543	23,753	52.8	47.2
Adult life (20 and over)	35,924	18,797	17,127	52.3	47.7
Unknown	3,067	1,575	1,492	51.4	48.6
Degree of deafness:					
Totally deaf	37,426	20,218	17,208	54.0	46.0
Partially deaf	51,861	26,697	25,164	51.5	48.5
Ability to speak:					
Well	55,501	28,306	27,195	51.0	49.0
Imperfectly	9,417	5,114	4,303	54.3	45.7
Not at all	24,369	13,495	10,874	55.4	44.6
Race:					
White	84,361	44,223	40,138	52.4	47.6
Colored	4,926	2,692	2,234	54.6	45.4
Negro	4,649	2,526	2,123	54.3	45.7
Indian	273	163	110	59.7	40.3
Mongolian	4	3	1	.....	.....
Nativity of whites:					
Native	69,865	36,338	33,527	52.0	48.0
Foreign born	13,786	7,506	6,280	54.4	45.6
Unknown	710	379	331	53.4	46.6
Marital condition:					
Single	39,070	21,338	17,732	54.6	45.4
Married	34,206	19,746	14,460	57.7	42.3
Widowed	15,331	5,480	9,851	35.7	64.3
Divorced	353	172	181	48.7	51.3
Unknown	327	179	148	52.9	47.1
Deaf relatives:[1]					
a or *b* relatives	25,851	12,834	13,017	49.6	50.4
No *a* or *b* relatives	54,630	29,830	24,800	54.6	45.4
Not stated	8,806	4,251	4,555	48.3	51.7

[1] Symbols for deaf relatives—*a*, deaf brothers, sisters, or ancestors; *b*, deaf uncles, aunts, cousins, or other relatives not *a*, *c*, or *d*; *c*, deaf children; *d*, deaf husbands or wives.

TABLE XXIX.—*Number and per cent of deaf, by sex, age when deafness occurred, present age, and school attendance.*

AGE WHEN DEAFNESS OCCURRED, PRESENT AGE, AND SCHOOL ATTENDANCE.	NUMBER.			PER CENT.	
	Total.	Male.	Female.	Male.	Female.
Total	89,287	46,915	42,372	52.5	47.5
Age when deafness occurred:					
Unknown	3,067	1,575	1,492	51.4	48.6
Indefinitely stated	4,630	2,316	2,314	50.0	50.0
Definitely stated	81,590	43,024	38,566	52.7	47.3
Birth	14,474	7,670	6,804	53.0	47.0
After birth, under 2	7,396	4,154	3,242	56.2	43.8
2 and under 5	10,536	5,708	4,828	54.2	45.8
Under 5	32,406	17,532	14,874	54.1	45.9
5 and under 10	7,018	3,594	3,424	51.2	48.8
10 and under 15	4,464	2,139	2,325	47.9	52.1
15 and under 20	4,061	2,088	1,973	51.4	48.6
Under 20	47,949	25,353	22,596	52.9	47.1
20 and under 40	16,588	8,247	8,341	49.7	50.3
40 and under 60	9,437	5,072	4,365	53.7	46.3
60 and under 80	6,595	3,853	2,742	58.4	41.6
80 and over	1,021	499	522	48.9	51.1
Present age:					
Under 5	1,021	564	457	55.2	44.8
5 and under 10	4,551	2,521	2,030	55.4	44.6
10 and under 15	6,712	3,675	3,037	54.8	45.2
15 and under 20	6,074	3,238	2,836	53.3	46.7
Under 20	18,358	9,998	8,360	54.5	45.5
20 and over	70,602	36,741	33,861	52.0	48.0
Unknown	327	176	151	53.8	46.2
School attendance:					
Attended school	65,717	35,476	30,241	54.0	46.0
Did not attend school	13,557	6,987	6,570	51.5	48.5
Not stated	10,013	4,452	5,561	44.5	55.5
Attended school:					
Kind of school—					
Special	25,197	13,851	11,346	55.0	45.0
Other	19,664	10,441	9,223	53.1	46.9
Both	237	132	105	55.7	44.3
Not stated	20,619	11,052	9,567	53.6	46.4

Table XXX shows the number and percentage of the deaf of each sex, by causes of deafness.

TABLE XXX.—*Number and per cent of deaf, by sex and causes of deafness.*

CAUSE OF DEAFNESS.	NUMBER.			PER CENT.	
	Total.	Male.	Female.	Male.	Female.
Total	89,287	46,915	42,372	52.5	47.5
Causes of deafness:					
Affections of external ear	871	546	325	62.7	37.3
Affections of middle ear	34,801	16,241	18,560	46.7	53.3
Affections of internal ear	12,295	7,192	5,103	58.5	41.5
Unclassified	31,205	17,720	13,485	56.8	43.2
Unknown	10,115	5,216	4,899	51.6	48.4
[illegible]	7,424	3,497	3,927	47.1	52.9
[illegible]	4,210	2,063	2,147	49.0	51.0
Measles	2,469	1,098	1,371	44.5	55.5
Influenza	1,776	762	1,014	42.9	57.1
Catarrh	11,702	5,565	6,137	47.6	52.4
Colds	3,074	1,387	1,687	45.1	54.9
Malarial fever and quinine	1,636	846	790	51.7	48.3
[illegible]	3,991	2,355	1,636	59.0	41.0
[illegible]	2,013	1,189	824	59.1	40.9
[illegible]	2,055	1,054	1,001	51.3	48.7
Congenital	14,472	7,668	6,804	53.0	47.0
Old age	3,361	1,727	1,634	51.4	48.6
Military service	3,242	3,231	11	99.7	0.3
Falls and blows	2,243	1,417	826	63.2	36.8
Sickness	2,143	1,020	1,123	47.6	52.4
Fever	1,436	764	672	53.2	46.8
Hereditary	909	429	480	47.2	52.8

It appears from Table XXVIII that there is no substantial difference in the proportion of the sexes among the deaf from childhood and the deaf from adult life; but the proportion of males seems to be greater among the totally deaf than the partially deaf, among the colored than the white, and among Indians than negroes. It is also greater among the foreign born white than the native, and greater among those who have no deaf relatives (*a* or *b*) than among those who have.

In relation to acquired conditions it may also be noted that the proportion of males is greater among those who do not speak at all than among those who speak imperfectly, and greater among those who speak imperfectly than among those who speak well. The proportion male is also greater among the married than among the single, widowed, or divorced, and least of all among the widowed.

From Table XXIX it appears that there is an exceptionally large proportion of males (56.2 per cent) among those who lost hearing in infancy (after birth, under 2), and also among those who became deaf in adult life between the ages of 60 and 80 (58.4 per cent).

In regard to present age, the proportion of males is larger among those under 20 years of age than over. The proportion is also larger among those who have attended school than those who have not, and larger among those who attended special than other schools.

From Table XXX it appears that the proportion of males is exceptionally large among those who became deaf from affections of the external ear (62.7 per cent) and of the internal ear (58.5 per cent), but exceptionally small among those deaf from affections of the middle ear (46.7 per cent).

In relation to the principal assigned causes of deafness, the males are greatly in the preponderance among those deaf from meningitis (59 per cent) and brain fever (59.1 per cent).

Among the unclassified cases, those deaf from "military service" and "falls and blows" naturally stand out prominently as having an exceptionally large proportion of males—99.7 per cent in the former case and 63.2 per cent in the latter.

On examining the tables, it appears that males are so generally in the preponderance that in cases where females are in the majority we are at once struck by the fact as something exceptional and apparently abnormal.

From Table XXVIII it appears that among the widowed and divorced, females predominate (widowed, 64.3 per cent; divorced, 51.3 per cent); but females also predominate to a still greater extent among the widowed and divorced of the whole population of the United States (widowed, 69.7 per cent; divorced, 57.5 per cent). The majority of the deaf having (*a* or *b*) deaf relatives are females (50.4 per cent) and the proportion female among those having no (*a* or *b*) deaf relatives is exceptionally small (45.4 per cent).

From Table XXIX it appears that the majority are females among those who lost hearing between 10 and 15, 20 and 40, and in old age after 80—males predominating at other age periods when deafness occurred.

From Table XXX it appears that females predominate where deafness was caused by affections of the middle ear, for example, scarlet fever, disease of ear, measles, influenza, catarrh and colds; whereas in all the other cases noted males predominate, with the exception of those deaf from the indefinite cause "sickness" (52.4 per cent female) and cases noted as "hereditary" (52.8 per cent female).

In examining the ability of the deaf to speak (Table XXVIII) it is perhaps noteworthy that, while females are in the minority, the proportion of females is greatest among those who speak well, least among those who speak not at all, and intermediate among those who speak imperfectly. It is a little difficult to interpret this result, for the ability to speak is an acquired and not a natural condition, and can not therefore be directly correlated with sex. The opinion has often been expressed by teachers of the deaf that females acquire speech by instruction more readily than males; but the present figures relate to the whole of the deaf—the deaf from adult life as well as the deaf from childhood—and not simply to those who have acquired speech artificially in special schools; so that if there is any truth in this explanation, we should conclude that females, generally, acquire speech more readily than males, whether naturally or by artificial means.

In comparing Tables XXIX and XXX, it will be noted (1) that females predominate among those who became deaf at three different stages of life, namely, 10 and under 15, 20 and under 40, and after 80; and (2) that females predominate among those who are deaf from affections of the middle ear. It is therefore probable that females are more susceptible to deafness from scarlet fever, disease of ear, measles, influenza, catarrh, or colds, at these three distinct periods of life, namely, adolescence, practically all of the child-bearing period, and old age.

While males predominate among those deaf from meningitis and brain fever, and females among those deaf from affections of the middle ear, we should be cautious about basing definite conclusions upon these facts alone.

This will be obvious from the following considerations: The Indiana congestion (due largely to meningitis and brain fever) and the New England congestion (due largely to affections of the middle ear) show that geographic conditions are involved. Now males predominate in Indiana and females in the New England states among the general population, and this fact of itself would lead us to expect a preponderance of males among the deaf of Indiana and a preponderance of females among the deaf of the New England states, quite independently of any different susceptibility among the sexes to the diseases specified above.

In the present census (1900) Indiana is reported as having a population of 1,285,404 males and 1,231,058 females, so that in that state 51.1 per cent are males and 48.9 per cent are females.

In the case of the New England states, New Hampshire and Massachusetts are the only states having a larger female population than male, but if we include Maine, Vermont, Connecticut, and Rhode Island, we find a total male population of 2,763,796 and a total female population of 2,828,221. In the New England states, therefore, 49.4 per cent of the whole population are male and 50.6 per cent are female.

Both in Indiana and the New England states the sexes seem to be too nearly balanced to upset the hypothesis of greater susceptibility of males to deafness caused by meningitis and brain fever, and greater susceptibility of females to deafness caused by affections of the middle ear. It is probable, therefore, that the hypothesis is correct.

Race.—Out of 89,287 persons returned as deaf 84,361 belong to the white race and 4,926 to the colored races (including 273 Indians and 4 Mongolians). (Table 2 and Table XXVIII.)

Table XXXI shows the number and per cent of the white and colored deaf, by age when deafness occurred, degree of deafness, ability to speak, sex, present age, and school attendance.

Table XXXII shows the number and percentage of the white and colored deaf, by cause of deafness.

TABLE XXXI.—*Number and per cent of deaf, by race, period of life when deafness occurred, degree of deafness, ability to speak, sex, present age, and school attendance.*

PERIOD OF LIFE WHEN DEAFNESS OCCURRED, DEGREE OF DEAFNESS, ABILITY TO SPEAK, SEX, PRESENT AGE, AND SCHOOL ATTENDANCE.	NUMBER.			PER CENT.	
	Total.	White.	Colored.	White.	Colored.
Total	89,287	84,361	4,926	94.5	5.5
Period of life when deafness occurred:					
Childhood (under 20)	50,296	46,807	3,489	93.1	6.9
Adult life (20 and over)	35,924	34,655	1,269	96.5	3.5
Unknown	3,067	2,899	168	94.5	5.5
Degree of deafness:					
Totally deaf	57,426	34,590	2,836	92.4	7.6
Partially deaf	51,861	49,771	2,090	96.0	4.0
Ability to speak:					
Well	55,501	53,449	2,052	96.3	3.7
Imperfectly	9,417	8,902	515	94.5	5.5
Not at all	24,369	22,010	2,359	90.3	9.7
Sex:					
Male	46,915	44,223	2,692	94.3	5.7
Female	42,372	40,138	2,234	94.7	5.3
Age when deafness occurred:					
Unknown	3,067	2,899	168	94.5	5.5
Indefinitely stated	4,630	4,359	271	94.1	5.9
Definitely stated	81,590	77,103	4,487	94.5	5.5
Birth	14,474	12,791	1,683	88.4	11.6
After birth, under 2	7,396	7,168	228	96.9	3.1
2 and under 5	10,536	10,083	453	95.7	4.3
Under 5	32,406	30,042	2,364	92.7	7.3
5 and under 10	7,018	6,567	451	93.6	6.4
10 and under 15	4,464	4,152	312	93.0	7.0
15 and under 20	4,061	3,852	209	94.9	5.1
Under 20	47,949	44,613	3,336	93.0	7.0
20 and under 40	16,588	16,066	522	96.9	3.1
40 and under 60	9,437	9,107	330	96.5	3.5
60 and under 80	6,595	6,375	220	96.7	3.3
80 and over	1,021	942	79	92.3	7.7
Present age:					
Under 5	1,021	951	70	93.1	6.9
5 and under 10	4,551	4,182	369	91.9	8.1
10 and under 15	6,712	6,054	658	90.2	9.8
15 and under 20	6,074	5,515	559	90.8	9.2
Under 20	18,358	16,702	1,656	91.0	9.0
20 and over	70,602	67,397	3,205	95.5	4.5
Unknown	327	262	65	80.1	19.9
School attendance:					
Attended school	65,717	63,680	2,037	96.9	3.1
Did not attend school	13,557	11,027	2,530	81.3	18.7
Not stated	10,013	9,654	359	96.4	3.6
Kind of school attended—					
Special	25,197	24,308	889	96.5	3.5
Other	19,664	18,974	690	96.5	3.5
Both	237	236	1	99.6	0.4
Not stated	20,619	20,162	457	97.8	2.2

TABLE XXXII.—*Number and per cent of deaf, by race and cause of deafness.*

CAUSE OF DEAFNESS.	NUMBER.			PER CENT.	
	Total.	White.	Colored.	White.	Colored.
Total	89,287	84,361	4,926	94.5	5.5
Causes of deafness:					
Affections of external ear	871	807	64	92.7	7.3
Affections of middle ear	34,801	33,968	833	97.6	2.4
Affections of internal ear	12,295	11,666	629	94.9	5.1
Unclassified	31,205	28,467	2,738	91.2	8.8
Unknown	10,115	9,453	662	93.5	6.5
[illegible]	7,424	7,329	95	98.7	1.3
[illegible]	4,210	3,993	217	94.8	5.2
Measles	2,469	2,397	72	97.1	2.9
Influenza	1,776	1,740	36	98.0	2.0
Catarrh	11,702	11,568	134	98.9	1.1
Colds	3,074	2,967	107	96.5	3.5
Malarial fever and quinine	1,636	1,439	197	88.0	12.0
Meningitis	3,991	3,824	167	95.8	4.2
Brain fever	2,013	1,965	48	97.6	2.4
Typhoid fever	2,055	1,961	94	95.4	4.6
Congenital	14,472	12,789	1,683	88.4	11.6
Old age	3,361	3,181	180	94.6	5.4
Military service	3,242	3,130	112	96.5	3.5
Falls and blows	2,243	2,046	197	91.2	8.8
Sickness	2,143	1,907	236	89.0	11.0
Fever	1,436	1,318	118	91.8	8.2
Hereditary	909	894	15	98.3	1.7

Table XXXIII shows, by states and territories, the number and percentage of the white and the colored deaf.

TABLE XXXIII.—*Number and per cent of deaf, by race, for states and territories.*

STATE OR TERRITORY.	NUMBER.			PER CENT.	
	Total.	White.	Colored.	White.	Colored.
Continental United States	89,287	84,361	4,926	94.5	5.5
North Atlantic division	28,632	28,459	173	99.4	0.6
New England	8,854	8,815	39	99.6	0.4
Maine	1,257	1,256	1	99.9	0.1
New Hampshire	762	762	.....	100.0	.....
[illegible]	723	723	.....	100.0	.....
[illegible]	4,015	3,994	21	99.5	0.5
[illegible]	583	573	10	98.3	1.7
Connecticut	1,514	1,507	7	99.5	0.5
Southern North Atlantic	19,778	19,644	134	99.3	0.7
New York	9,946	9,898	48	99.5	0.5
New Jersey	2,285	2,256	29	98.7	1.3
Pennsylvania	7,547	7,490	57	99.2	0.8
South Atlantic division	10,193	8,060	2,133	79.1	20.9
Northern South Atlantic	5,400	4,696	704	87.0	13.0
[illegible]	255	237	18	92.9	7.1
[illegible]	1,579	1,364	215	86.4	13.6
[illegible]	507	436	71	86.0	14.0
Virginia	1,913	1,531	382	80.0	20.0
West Virginia	1,146	1,128	18	98.4	1.6
Southern South Atlantic	4,793	3,364	1,429	70.2	29.8
North Carolina	1,642	1,304	338	79.4	20.6
South Carolina	952	520	432	54.6	45.4
Georgia	1,817	1,268	549	69.8	30.2
Florida	382	272	110	71.2	28.8
North Central division	34,076	33,661	415	98.8	1.2
Eastern North Central	21,618	21,469	149	99.3	0.7
Ohio	6,080	6,021	59	99.0	1.0
Indiana	3,607	3,584	23	99.4	0.6
[illegible]	6,053	6,014	39	99.4	0.6
[illegible]	3,402	3,386	16	99.5	0.5
[illegible]	2,476	2,464	12	99.5	0.5
Western North Central	12,458	12,192	266	97.9	2.1
Minnesota	1,738	1,733	5	99.7	0.3
Iowa	2,952	2,944	8	99.7	0.3
Missouri	3,766	3,651	115	96.9	3.1
North Dakota	256	240	16	93.8	6.2
South Dakota	430	368	62	85.6	14.4
Nebraska	1,220	1,208	12	99.0	1.0
Kansas	2,096	2,048	48	97.7	2.3
South Central division	12,322	10,227	2,095	83.0	17.0
Eastern South Central	6,968	5,716	1,252	82.0	18.0
Kentucky	2,619	2,387	232	91.1	8.9
Tennessee	2,026	1,760	266	86.9	13.1
Alabama	1,333	957	376	71.8	28.2
Mississippi	990	612	378	61.8	38.2
Western South Central	5,354	4,511	843	84.3	15.7
Louisiana	1,211	878	333	72.5	27.5
Arkansas	1,317	1,102	215	83.7	16.3
Indian Territory	228	184	44	80.7	19.3
Oklahoma	282	260	22	92.2	7.8
Texas	2,316	2,087	229	90.1	9.9
Western division	4,064	3,954	110	97.3	2.7
Rocky Mountain	1,076	1,023	53	95.1	4.9
Montana	126	115	11	91.3	8.7
Idaho	146	129	17	88.4	11.6
Wyoming	29	26	3	(1)	(1)
Colorado	472	471	1	99.8	0.2
New Mexico	303	282	21	93.1	6.9
Basin and Plateau	455	430	25	94.5	5.5
Arizona	51	41	10	(1)	(1)
Utah	343	340	3	99.1	0.9
Nevada	61	49	12	(1)	(1)
Pacific	2,533	2,501	32	98.7	1.3
Washington	374	368	6	98.4	1.6
Oregon	410	402	8	98.0	2.0
California	1,749	1,731	18	99.0	1.0

[1] Per cent not shown where base is less than 100.

From Table XXVII it appears that of the whole population of the United States, 87.9 per cent belong to the

white race and 12.1 per cent to the colored races (including Indians and Mongolians). In the case of the deaf (Table XXXI), 94.5 per cent are white and 5.5 per cent colored, so that the proportion colored is less among the deaf than among the general population.

Of the general population, 11.6 per cent belong to the negro race, 0.3 per cent to the Indian, and 0.2 per cent to the Mongolian (including Chinese and Japanese). Among the deaf (Table XXVII), 5.2 per cent are of negro extraction, 0.3 per cent are Indians, but the total number of Mongolians (only 4) is too small to afford a basis for a percentage.

The comparatively small proportion of colored persons among the deaf may indicate that colored persons are less liable to deafness than white, or that the returns of the colored are less complete than those of the white population. Both hypotheses are probably correct.

From Table XXXI it appears that the proportion colored is larger among those deaf from childhood than adult life. It is also larger among the totally than among the partially deaf. The proportion colored is substantially the same among males and females. In relation to age when deafness occurred, it will be noted that the proportion colored is twice as large among the deaf from birth (11.6 per cent) as the average for the whole of the deaf (5.5 per cent); but among those who lost hearing after birth and under 2, the proportion is abnormally small (3.1 per cent), and it may be possible that many of the colored were unable to decide correctly whether deafness occurred at birth or in infancy (after birth, under 2). The proportion colored is larger among those who lost hearing before reaching the age of 20 (7 per cent), and larger among those who lost hearing in old age after 80 (7.7 per cent) than in the intervening age periods.

In relation to present age the proportion colored is larger among those who are under 20 years of age (9 per cent) than over 20 (4.5 per cent).

In relation to acquired conditions the proportion colored is least among those who speak well, greatest among those who speak not at all, and intermediate among those who speak imperfectly. Among those who attended school only 3.1 per cent were colored, while among those who did not attend school 18.7 per cent were colored, from which it is obvious that the education of the colored deaf is neglected to a much greater degree than in the case of the white. There is no difference in the proportion of the colored among those who attended special or other schools.

From Table XXXII it appears that the proportion colored is greater among those who became deaf from affections of the external ear than among those who lost hearing from affections of the middle ear, and intermediate among those who lost hearing from affections of the internal ear. It is still greater, however, among the unclassified cases.

In considering the classified causes of deafness, the greatest proportion colored is found among those deaf from malarial fever and quinine (12 per cent); whereas catarrh and scarlet fever, which are known to be among the principal causes of deafness in the country as a whole, show the smallest percentages of colored (catarrh, 1.1 per cent colored; scarlet fever, 1.3 per cent).

In relation to the unclassified causes of deafness, the largest percentages colored appear among the congenital cases (11.6 per cent) and among those deaf from the indefinite cause "sickness" (11 per cent). The proportion colored is also large among those deaf from indefinite "fever" (8.2 per cent) and among those deaf from falls and blows (8.8 per cent).

Table XXXIII shows the geographic distribution of the white and colored races. The largest proportion of colored appears, of course, in the Southern states, and especially in those states composing the South Atlantic division.

The statistics contained in Tables XXXI, XXXII, and XXXIII are suggestive of a racial difference in susceptibility to deafness. It appears at first sight that the colored population is almost immune, so far as deafness is concerned, to diseases of the middle ear, which are known to be predominant causes of deafness. There are, however, many qualifying circumstances that should be taken into consideration:

1. In general, the largest ratios deaf from affections of the middle ear are found in the New England states and in those parts of the country bordering upon the Great Lakes. It may be possible, therefore, that the comparative freedom of the colored people from deafness caused by these diseases (catarrh, scarlet fever, etc.) may be due to the fact that they do not reside in localities favorable to the occurrence of the diseases mentioned. It may be equally true that geographic conditions account for the comparative prevalence of malarial fever and quinine as a cause of deafness among the colored.

2. Among those who lost hearing from affections of the middle ear, the proportion colored may not be as small as it appears from the returns; for the proportion colored is comparatively large among those deaf from indefinite causes, like sickness and fever. These, if definitely specified, might prove to be diseases affecting the middle ear. It is probable that a large proportion of the colored people could not discriminate between these diseases as causes of deafness, on account of illiteracy and lack of medical attention at the time deafness occurred. They might even be unable to discriminate certainly between congenital and noncongenital deafness, for the same reasons.

3. Several thousand letters of inquiry sent out to deaf persons by the Census Office brought no reply; these doubtless were letters principally addressed to illiterates unable to respond by mail. The proportion illiterate is known to be very much greater among the colored than the white in the general population (col-

ored, 44.5 per cent; white, 6.2 per cent). Illiteracy is also more common among the colored deaf than the white, as is shown by the small percentage colored who have attended school, and the large proportion colored who did not know their present ages (19.9 per cent).

In short, we can not rely upon the hypothesis that there is a racial difference in the susceptibility to deafness. While the census returns seem to support this hypothesis, the factors of uncertainty are so large as to deprive the results of value, and it is probable that the returns themselves are defective regarding the colored races.

Nativity of whites.—Out of a total of 89,287 persons returned as deaf, 84,361 were white; and of these, 69,865 were native, 13,786 were foreign born, and in 710 cases the nativity was unknown (Table 2).

Table XXVII relates to the sex, race, and nativity of the deaf, as compared with the whole population of the United States; and Tables XXXIV, XXXV, and XXXVI relate more particularly to nativity, and show the proportion native and foreign born among the white deaf, as follows:

Table XXXIV shows, for the white deaf, the number and percentage of native and foreign born, by age when deafness occurred, degree of deafness, ability to speak, sex, and present age.

TABLE XXXIV.—NUMBER AND PER CENT OF WHITE DEAF, BY NATIVITY, AGE WHEN DEAFNESS OCCURRED, DEGREE OF DEAFNESS, ABILITY TO SPEAK, SEX, AND PRESENT AGE.

AGE WHEN DEAFNESS OCCURRED, DEGREE OF DEAFNESS, ABILITY TO SPEAK, SEX, AND PRESENT AGE.	NUMBER.				PER CENT.		
	Total.	Native.	Foreign born.	Unknown.	Native.	Foreign born.	Unknown.
Total	84,361	69,865	13,786	710	82.8	16.4	0.8
Period of life when deafness occurred:							
Childhood (under 20)	46,807	41,155	5,108	544	87.9	10.9	1.2
Adult life (20 and over)	34,655	26,612	7,963	80	76.8	23.0	0.2
Unknown	2,899	2,098	715	86	72.4	24.6	3.0
Degree of deafness:							
Totally deaf	34,590	30,054	4,014	522	86.9	11.6	1.5
Partially deaf	49,771	39,811	9,772	188	80.0	19.6	0.4
Ability to speak:							
Well	53,449	42,721	10,533	195	79.9	19.7	0.4
Imperfectly	8,902	7,657	1,111	134	86.0	12.5	1.5
Not at all	22,010	19,487	2,142	381	88.6	9.7	1.7
Sex:							
Male	44,223	36,338	7,506	379	82.2	17.0	0.8
Female	40,138	33,527	6,280	331	83.5	15.7	0.8
Age when deafness occurred:							
Unknown	2,899	2,098	715	86	72.4	24.6	3.0
Indefinitely stated	4,359	3,424	882	53	78.6	20.2	1.2
Definitely stated	77,103	64,343	12,189	571	83.5	15.8	0.7
Birth	12,791	11,373	1,180	238	88.9	9.2	1.9
After birth, under 2	7,168	6,547	532	89	91.3	7.4	1.3
2 and under 5	10,083	8,853	1,114	116	87.8	11.0	1.2
Under 5	30,042	26,773	2,826	443	89.1	9.4	1.5
5 and under 10	6,567	5,559	972	36	84.7	14.8	0.5
10 and under 15	4,152	3,550	591	11	85.5	14.2	0.3
15 and under 20	3,852	3,348	492	12	86.9	12.8	0.3
Under 20	44,613	39,230	4,881	502	87.9	11.0	1.1
20 and under 40	16,066	13,162	2,868	36	81.9	17.9	0.2
40 and under 60	9,107	6,831	2,255	21	75.0	24.8	0.2
60 and under 80	6,375	4,454	1,912	9	69.9	30.0	0.1
80 and over	942	666	273	3	70.7	29.0	0.3
Present age:							
Under 20	16,702	15,507	835	360	92.8	5.0	2.2
20 and over	67,397	54,183	12,910	304	80.4	19.2	0.4
Unknown	262	175	41	46	66.8	15.6	17.6

Table XXXV shows, for the white deaf, the number and percentage of native and foreign born, by causes of deafness.

TABLE XXXV.—NUMBER AND PER CENT OF WHITE DEAF, BY NATIVITY AND CAUSES OF DEAFNESS.

CAUSE OF DEAFNESS.	NUMBER.				PER CENT.		
	Total.	Native.	Foreign born.	Unknown.	Native.	Foreign born.	Unknown.
Total	84,361	69,865	13,786	710	82.8	16.4	0.8
Causes of deafness:							
Affections of external ear	807	638	165	4	79.1	20.4	0.5
Affections of middle ear	33,968	29,033	4,768	167	85.5	14.0	0.5
Affections of internal ear	11,666	10,106	1,467	93	86.6	12.6	0.8
Unclassified	28,467	23,104	5,055	308	81.2	17.7	1.1
Unknown	9,453	6,984	2,331	138	73.9	24.6	1.5
Principal assigned causes:							
Scarlet fever	7,329	6,389	887	53	87.2	12.1	0.7
Disease of ear	3,993	3,625	345	23	90.8	8.6	0.6
Measles	2,397	2,135	242	20	89.1	10.1	0.8
Influenza	1,740	1,417	314	9	81.4	18.1	0.5
Catarrh	11,568	10,047	1,496	25	86.9	12.9	0.2
Colds	2,967	1,954	1,007	6	65.9	33.9	0.2
Malarial fever and quinine	1,439	1,296	139	4	90.1	9.6	0.3
Meningitis	3,824	3,648	118	58	95.4	3.1	1.5
Brain fever	1,965	1,703	251	11	86.7	12.8	0.5
Typhoid fever	1,961	1,516	432	13	77.3	22.0	0.7
Congenital	12,789	11,371	1,180	238	88.9	9.2	1.9
Old age	3,181	2,081	1,094	6	65.4	34.4	0.2
Military service	3,130	2,517	609	4	80.4	19.5	0.1
Falls and blows	2,046	1,473	558	15	72.0	27.3	0.7
Sickness	1,907	1,348	543	16	70.7	28.5	0.8
Fever	1,318	1,087	219	12	82.5	16.6	0.9
Hereditary	894	791	98	5	88.5	11.0	0.5

Table XXXVI shows, for the white deaf, the number and percentage of native and foreign born, by states and territories.

TABLE XXXVI.—NUMBER AND PER CENT OF WHITE DEAF, BY NATIVITY, FOR STATES AND TERRITORIES.

STATE OR TERRITORY.	WHITE DEAF.						
	Number.				Per cent.		
	Total.	Native.	Foreign born.	Unknown.	Native.	Foreign born.	Unknown.
Continental United States	84,361	69,865	13,786	710	82.8	16.4	0.8
North Atlantic division	28,459	23,222	5,114	123	81.6	18.0	0.4
New England	8,815	7,291	1,493	31	82.7	16.9	0.4
Maine	1,256	1,140	114	2	90.8	9.1	0.1
New Hampshire	762	665	91	6	87.3	11.9	0.8
Vermont	723	613	106	4	84.8	14.7	0.5
Massachusetts	3,994	3,165	817	12	79.2	20.5	0.3
Rhode Island	573	447	126	.....	78.0	22.0	.....
Connecticut	1,507	1,261	239	7	83.7	15.8	0.5
Southern North Atlantic	19,644	15,931	3,621	92	81.1	18.4	0.5
New York	9,898	7,656	2,202	40	77.4	22.2	0.4
New Jersey	2,256	1,855	394	7	82.2	17.5	0.3
Pennsylvania	7,490	6,420	1,025	45	85.7	13.7	0.6
South Atlantic division	8,060	7,514	406	140	93.2	5.1	1.7
Northern South Atlantic	4,696	4,300	339	57	91.6	7.2	1.2
Delaware	237	217	19	1	91.6	8.0	0.4
Maryland	1,364	1,194	142	28	87.5	10.4	2.1
District of Columbia	436	343	92	1	78.7	21.1	0.2
Virginia	1,531	1,473	49	9	96.2	3.2	0.6
West Virginia	1,128	1,073	37	18	95.1	3.3	1.6
Southern South Atlantic	3,364	3,214	67	83	95.5	2.0	2.5
North Carolina	1,304	1,215	14	75	93.2	1.1	5.7
South Carolina	520	506	12	2	97.3	2.3	0.4
Georgia	1,268	1,245	20	3	98.2	1.6	0.2
Florida	272	248	21	3	91.2	7.7	1.1
North Central division	33,661	26,579	6,807	275	79.0	20.2	0.8
Eastern North Central	21,469	16,984	4,315	170	79.1	20.1	0.8
Ohio	6,021	5,026	955	40	83.5	15.8	0.7
Indiana	3,584	3,222	345	17	89.9	9.6	0.5
Illinois	6,014	4,587	1,335	92	76.3	22.2	1.5
Michigan	3,386	2,551	820	15	75.3	24.2	0.5
Wisconsin	2,464	1,598	860	6	64.9	34.9	0.2

TABLE XXXVI.—NUMBER AND PER CENT OF WHITE DEAF, BY NATIVITY, FOR STATES AND TERRITORIES—Continued.

STATE OR TERRITORY.	WHITE DEAF.						
	Number.				Per cent.		
	Total.	Native.	Foreign born.	Unknown.	Native.	Foreign born.	Unknown.
Western North Central	12,192	9,595	2,492	105	78.7	20.4	0.9
Minnesota	1,733	1,063	660	10	61.3	38.1	0.6
Iowa	2,944	2,312	614	18	78.5	20.9	0.6
Missouri	3,651	3,205	393	53	87.8	10.8	1.4
North Dakota	240	125	115	.....	52.1	47.9	.....
South Dakota	368	229	127	12	62.2	34.5	3.3
Nebraska	1,208	938	265	5	77.7	21.9	0.4
Kansas	2,048	1,723	318	7	84.1	15.5	0.4
South Central division	10,227	9,568	556	103	93.6	5.4	1.0
Eastern South Central	5,716	5,494	201	21	96.1	3.5	0.4
Kentucky	2,387	2,247	136	4	94.1	5.7	0.2
Tennessee	1,760	1,712	41	7	97.3	2.3	0.4
Alabama	957	939	15	3	98.1	1.6	0.3
Mississippi	612	596	9	7	97.4	1.5	1.1
Western South Central	4,511	4,074	355	82	90.3	7.9	1.8
Louisiana	878	749	110	19	85.3	12.5	2.2
Arkansas	1,102	1,077	19	6	97.7	1.7	0.6
Indian Territory	184	175	9	.....	95.1	4.9	.....
Oklahoma	260	190	24	46	73.1	9.2	17.7
Texas	2,087	1,883	193	11	90.2	9.3	0.5
Western division	3,954	2,982	903	69	75.4	22.8	1.8
Rocky Mountain	1,023	841	144	38	82.2	14.1	3.7
Montana	115	91	23	1	79.1	20.0	0.9
Idaho	129	100	29	.....	77.5	22.5	.....
Wyoming	26	20	6	.....	(1)	(1)	.....
Colorado	471	364	70	37	77.3	14.9	7.8
New Mexico	282	266	16	.....	94.3	5.7	.....
Basin and Plateau	430	254	175	1	59.1	40.7	0.2
Arizona	41	34	6	1	(1)	(1)	(1)
Utah	340	192	148	.....	56.5	43.5	.....
Nevada	49	28	21	.....	(1)	(1)	.....
Pacific	2,501	1,887	584	30	75.4	23.4	1.2
Washington	368	285	82	1	77.4	22.3	0.3
Oregon	402	323	63	16	80.3	15.7	4.0
California	1,731	1,279	439	13	73.9	25.4	0.7

[1] Per cent not shown where base is less than 100.

The statistics of Table XXVII indicate that out of the total white population of the United States, 84.7 per cent were native and 15.3 per cent foreign born.

Table XXXIV shows that of the white deaf, 82.8 per cent were native and 16.4 per cent foreign born, so that it appears that the proportion foreign born among the white deaf is slightly in excess of the proportion foreign born in the total white population.

In the case of the white deaf, the proportion foreign born is greater among those deaf from adult life than among those deaf from childhood. It is also greater among the partially than the totally deaf, and slightly greater among males than females. In regard to age when deafness occurred, the proportion foreign born is greatest among those who lost hearing between 60 and 80 years of age and after, least among those who became deaf before 20, and intermediate in the intervening age periods when deafness occurred.

In regard to present age, the proportion foreign born is greater among those over 20 years of age than under. In relation to ability to speak, the proportion foreign born is greatest among those who speak well, least among those who speak not at all, and intermediate among those who speak imperfectly.

In regard to classified causes of deafness (Table XXXV), the proportion foreign born is greatest among those deaf from colds (33.9 per cent), and it is also great among those deaf from typhoid fever (22 per cent) and influenza (18.1 per cent), and least among those deaf from meningitis.

In relation to unclassified causes of deafness, the proportion foreign born is greatest among those deaf from old age (34.4 per cent), and large among those deaf from falls and blows, and from the indefinite cause sickness.

Table XXXVI relates to the geographic distribution of the white deaf, distinguishing the native from the foreign born. The proportion foreign born is of course greatest in those parts of the country which have the largest foreign born population.

The majority of the foreign born deaf became deaf in adult life, and it is therefore probable that in most cases the deafness occurred after they reached this country. This also accounts for the fact of the small

proportion of foreign born among the deaf from meningitis and scarlet fever, for these are diseases characteristic of childhood rather than adult life.

The process of audition, and the mechanism whereby it is effected.—Diagram 31 presents a sectional view of the human ear, and Diagram 32 an enlarged plan of the organ of hearing.

A source of sound may be considered as consisting essentially of an oscillating body immersed in air.

Considering the to and fro movements which take place toward or from the listener's ear, we may note that each time the movement is toward the ear the air particles in the immediate vicinity are struck a blow in the direction of the ear, much as a billiard ball might be struck by a cue. They shoot off under the impulse in the direction of the ear, but can go only a very little way before they are arrested by collision with other air particles which take up the movement. Much as an impulse may be transmitted through a line of billiard balls by successive collisions of ball with ball, so the aerial impulse is transmitted through the free air by successive collisions of air particles with air particles. When the impulse finally reaches the listener's ear the air particles in the external ear are crowded together by the shock and are thus condensed in the passageway, or meatus, causing increased pressure upon the drum membrane of the ear, pushing it in a little way (Diagrams 31 and 32).

When the motion of the oscillating body is from the ear an opposite effect is produced, resulting in rarefaction of the air in the external ear, causing a lessening of pressure upon the drum membrane.

A source of sound thus operates to produce alternate condensations and rarefactions of the air in the external ear, causing vibratory movements of the tympanic membrane. The membrane moves inward when the air pressure is increased and outward when it is diminished.

Diagram 31.

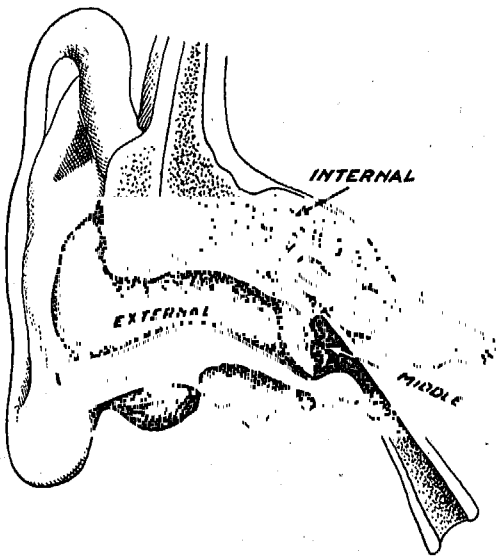
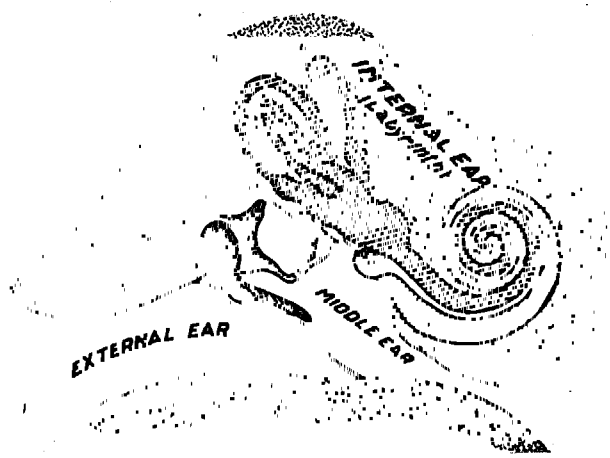


Diagram 32.



The middle ear contains a mechanism for transmitting the vibrations of the membrane to the liquid contained in the internal ear (Diagram 32). This consists of a series of small bones, or ossicles, of which the malleus, or hammerhead, is attached directly to the tympanic membrane. The stapes, or stirrup-shaped bone, at the other end of the series acts somewhat like a piston. Its flat end is attached to a membrane covering the oval opening into the labyrinth. The transmitting mechanism of the middle ear thus consists essentially of a piston operated by a stretched membrane. When the tympanic membrane moves inward, the stapes, or piston, is also pushed inward, thus exerting increased pressure on the liquid in the labyrinth. When the tympanic membrane moves outward the pressure on the liquid is relaxed.

The liquid contained in the internal ear is thus subjected to changes of statical pressure; but in the coiled-up portion of the labyrinth known as the cochlea, or snail shell, there is also a to and fro movement of the fluid itself, resulting from the elasticity of the membrane covering the second opening into the labyrinth (the round window). The passageway of the cochlea is divided longitudinally into two distinct channels communicating only at the tip—shaded differently in the drawing (Diagram 32). When, therefore, the stapes, or piston, is pushed in at the oval window, an actual displacement of the fluid in the cochlea takes place, traveling up one channel and down the other and bulging out the membrane of the round window. The to and fro movement of the liquid in the cochlea causes a corresponding movement of the hairs, or rods, that line the passageways, and which are connected with the terminals of the auditory nerve.

There can be little question that the true organ of hearing is located within this coiled-up portion of the labyrinth (Diagram 32), but its exact nature and mode of operation are obscure.

The organ of Corti, which is found here, bears a curious resemblance to a musical instrument contain-

ing multitudes of rods of different lengths, which are supposed to be tuned to respond to different pitches of sound—a sort of harp in miniature within the ear. The single vibration which alone is transmitted to the internal ear—the resultant of all the sonorous vibrations that exist in the air outside of the ear—is supposed to be here analyzed into its constituent musical elements by the sympathetic vibration of those rods of Corti which correspond to them in pitch. The organ of Corti, however, may not be so essential to hearing as is commonly supposed, for it seems to be totally wanting in parrots and other birds that imitate, and therefore perceive, the sounds of human speech.

At the other end of the labyrinth from the cochlea, the curious arrangement of the three semicircular canals is worthy of note (Diagram 32)—an arrangement in which the plane of each canal is substantially at right angles to the planes of the other two, thus reminding us of the three planes used by mathematicians in coordinating directions in space.

The semicircular canals do not seem to be concerned in the process of hearing, although it is obvious that they constitute a sense organ of some kind, because they are plentifully supplied with nerve filaments connected with hairs, or rods, as in the case of the cochlea. Under the influence of sound vibrations transmitted to the liquid of the internal ear by the to and fro movement of the stapes at the oval window, the liquid in the semicircular canals is subjected to changes of statical pressure, but without the to and fro displacement of the fluid, as in the case of the cochlea. If, however, the head should be moved in any direction, displacements would be produced by the inertia of the fluid. These displacements would differ in the three canals, according to the direction and extent of the movement. It is probable that the semicircular canals constitute a special sense organ, whereby we perceive the direction and extent of bodily movements. After waltzing continuously a sensation of dizziness is usually experienced for some time after stopping, which is probably due to the continued movements of the liquid in one of the canals. Many totally deaf persons fail to experience any sensation of dizziness under such circumstances; and they experience a difficulty in walking steadily in the dark. It is probable that in such cases the injury to the ear has extended to the semicircular canals, so that the persons have lost the use of an organ intimately connected with the instinctive balancing of the body while in motion.

The true organ of hearing seems to be hidden away in the convolutions of the cochlea; but, as it is immersed in a liquid, it is not directly accessible to sound vibrations. The capacity for hearing may exist, and yet the person may be deaf on account of some defect in the transmitting apparatus. Perfection of hearing, therefore, depends upon the proper functioning of the tympanic membrane and the transmitting mechanism of the middle ear.

The tympanic membrane must be suitably stretched in order to be sensitive to delicate changes of air pressure in the external ear. It differs from an ordinary stretched membrane in not being flat. It is somewhat conical in shape with the concavity outward, thus resembling, to a certain extent, the under surface of an open umbrella. It can be stretched to a greater or less degree by movements of the malleus, to which it is attached. A very slight movement inward of the end of the malleus increases the tension; and the act of listening consists in the adjustment of certain muscles attached to the malleus, whereby the proper tension of the membrane is secured. There is thus an accommodation of the ear to feeble sounds comparable to the accommodation of the eye for near vision—an adjustment of the focus, so to speak.

A stretched membrane is most sensitive to transitory impulses when the normal pressure of the air is the same on both sides of it. The pressure of the air within the middle ear tends to push the tympanic membrane outward, and the pressure of the air in the external ear tends to push it inward. When these opposite pressures just balance one another the membrane is free to be acted upon by the transitory impulses of sound without being impeded by an unbalanced pressure from within or without. The external pressure of the atmosphere is subject to change; and without some means of introducing air into the middle ear or removing air from it when necessary, the tympanic membrane would constantly be working at a mechanical disadvantage on account of unbalanced pressures. The Eustachian tube affords the means. Through its agency, a communication is established between the middle ear and the back part of the mouth (the pharynx). During the act of swallowing saliva the end of the Eustachian tube in the pharynx is opened, thus permitting free communication between the external air and the cavity of the middle ear, resulting in equilibrium of pressure on both sides of the tympanic membrane. The Eustachian tube also serves as a drainage tube for the middle ear, preventing secretions from accumulating there.

Causes of deafness.—In the Twelfth Census 89,287 persons were returned as deaf, and in 10,115 cases the causes of deafness were unknown (Table 5). In the remaining 79,172 cases the supposed causes were specified.

In many cases, however, the assigned causes are vague and unsatisfactory. For example, "military service, 3,242 cases; sickness, 2,143; fever, 1,436; medicine, 205; headache, 136; hard work, 101; diarrhea and cholera infantum, 90"; etc.

To these may be added the following as examples of the curious and fanciful causes of deafness sometimes assigned in individual cases: "Caused by milk of diseased cow; chewing paper and speaking loud in my ear; bitten by a rat; holding nose and mouth shut and blowing until head would buzz; driving Govern-

ment teams on the plains; eating caustic potash; going with hay shockers; ran a piece of shingle down throat; worms; worry"; etc. No less than 1,514 cases of this character were reported. (See footnotes to Table XXXVIII.) Such causes as these—even if they are connected with the production of the deafness, which is often doubtful—are very remote causes indeed.

We may smile at the idea of driving Government teams on the plains as a cause of deafness; but we can readily trace a remote connection between the supposed cause and the effect. The driver speeding the Government teams across the plains was exposed to the weather and may have taken cold, resulting in catarrh of the middle ear, which may ultimately have caused his deafness.

It seems more satisfactory to say that deafness was caused by some specific disease—say scarlet fever, for instance—than by driving Government teams, yet really the one is no more a cause of deafness than the other. Both act indirectly by producing effects that become causes for other effects; and they differ simply in the degree of their remoteness from the ultimate effect produced—deafness. It is a matter for serious consideration that all the assigned causes of deafness, even the most plausible, are of this same indirect character, and are not in themselves true causes of deafness at all. It will readily be recognized that military service is not in itself a cause of deafness; for out of the vast number of persons who have been engaged in military service only a very small fraction are deaf. All of the other causes, however, fall into the same category; for out of the millions of people who have had scarlet fever, for example, a very small fraction indeed are deaf. Like driving Government teams on the plains, the specific diseases usually assigned may indirectly be causes of deafness, but are not so of themselves alone.

The concussion of the air due to the discharge of heavy artillery may rupture the membrane of the ear of one near at hand, and the internal ear may be so affected by the shock as to have its usefulness impaired; but in this case the true cause of the deafness is the injury to the ear, and not directly the concussion of the air, far less the cannon that produced it, or the still more remote cause—military service.

Military service may be the cause of a person being present when a cannon is fired; the firing of the cannon may be the cause of a concussion of the air; the concussion of the air may be the cause of an injury to the person's ear; and the injury to the ear may be a cause of deafness. After the manner of "The House that Jack Built," the cause of deafness may be made anything you choose, if you only carry back the chain of causation far enough. Scarlet fever and other diseases, usually accepted as legitimate causes of deafness, belong to this same class, for they only act indirectly through intermediate agencies. Scarlet fever, for example, differs from military service simply in the fact that in the chain of causation it is nearer the ultimate effect produced.

Scarlet fever may be the proximate cause of an abscess in the middle ear; the suppurative process in the middle ear may cause serious injury and even total destruction of necessary parts of the delicate machinery of the ear; and the injury to the ear may thus cause deafness. There are many other diseases, however, that produce a similar injury to the ear and in a similar manner. For example, measles, influenza, diphtheria, pneumonia, erysipelas, smallpox, tonsilitis, bronchitis, etc. In the present report, therefore, all these diseases are grouped together and the deafness is attributed to "a suppurative affection of the middle ear."

The principle has been adopted of classifying the assigned causes by their effect upon the ear, grouping together in one class all those diseases or proximate causes that produce the same effect upon the ear. Accordingly causes of deafness are divided into three broad groups, as follows: Affections of the external ear, affections of the middle ear, affections of the internal ear.

Each group is divided into subgroups, as follows: External ear—impacted cerumen (earwax), foreign bodies in ear, miscellaneous (external ear). Middle ear—suppurative affections (inflammation and abscess), nonsuppurative (or catarrhal) affections, miscellaneous (middle ear). Internal ear—affections of labyrinth, affections of auditory nerve, affections of brain center for hearing, miscellaneous (internal ear).

Table XXXVII shows the number of the deaf, by the classes specified.

TABLE XXXVII.—*The deaf, by causes of deafness.*

CAUSE OF DEAFNESS.	Total.
All causes	89,287
Classified	47,967
Unclassified	31,205
Unknown	10,115
Classified:	
Affections of external ear	871
Affections of middle ear	34,801
Affections of internal ear	12,295
External ear:	
Impacted cerumen	357
Foreign bodies in ear	297
Miscellaneous (external ear)	217
Middle ear:	
Suppurative affections	17,533
Nonsuppurative, or catarrhal, affections	17,260
Miscellaneous (middle ear)	8
Internal ear:	
Affections of labyrinth	2,726
Affections of auditory nerve	9,361
Affections of brain center for hearing	129
Miscellaneous (internal ear)	79

Out of 89,287 deaf, the causes of deafness have been classified in 47,967 cases, or a majority of the whole; 31,205 cases remain unclassified; and in 10,115 cases the causes are unknown.

Broad groups.—Among the classified cases, affec-

tions of the middle ear are the predominating causes. Comparatively few lost hearing from affections of the external ear. The percentage of cases in each class is as follows: External ear, 1.8 per cent; middle ear, 72.6 per cent; internal ear, 25.6 per cent—total classified, 100 per cent.

Subgroups.—The principal subgroups seem to be four in number; these, with the percentage of cases included in each, are shown as follows: Middle ear—suppurative affections, 36.5 per cent; nonsuppurative (or catarrhal), 36 per cent. Internal ear—affections of labyrinth, 5.7 per cent; affections of nerve, 19.5 per cent. Other subgroups, 2.3 per cent. Aggregate classified, 100 per cent.

Table XXXVIII shows the classification of causes of deafness adopted, with the subdivision into broad groups and subgroups, and the number of cases compiled under each assigned cause.

TABLE XXXVIII.—NUMBER OF CASES OF DEAFNESS, BY CAUSES.

[The detailed causes of deafness reported and classified as "other" causes belonging to the subgroups specified in this table are given in the footnotes hereto.]

CAUSE OF DEAFNESS.				Number of cases.
	Broad groups.	Subgroups.	Assigned causes.	
Classified	External ear	Impacted cerumen	Water in ear, swimming, diving, bathing	290
			Wax in ear	67
		Foreign bodies in ear	Foreign bodies in ear	297
		Miscellaneous	Cancer and tumor	82
			Burns and scalds	57
			Eczema	51
			Other (external ear) [1]	27
	Middle ear	Suppurative	Scarlet fever	7,424
			Disease of ear	4,210
			[illegible]	2,469
			[illegible]	1,776
			[illegible]	593
			Pneumonia	308
			Erysipelas	228
			Smallpox	147
			Tonsilitis	139
			Teething	117
			Bronchitis	68
			Consumption	8
			Other (suppurative) [2]	46
		Nonsuppurative	Catarrh	11,702
			Colds	3,074
			Whooping cough	675
			Scrofula	553
			Exposure and cold	446
			Disease of throat	327
			Thickening and hardening of eardrum	157
			Croup	57
			Other (nonsuppurative) [3]	269
		Miscellaneous	Miscellaneous (middle ear) [4]	8
	Internal ear	Labyrinth	Malarial fever and quinine	1,636
			Noise and concussion	820
			Mumps	243
			Syphilis	27
		Nerve	Meningitis	3,991
			Brain fever	2,013
			Typhoid fever	2,055
			Paralysis	571
			Convulsions	402
			Sunstroke	162
			[illegible]	93
			[illegible]	74
		Brain center	Hydrocephalus	88
			Epilepsy	41
		Miscellaneous	Miscellaneous (internal ear) [5]	79
Unclassified			Congenital	14,472
			Old age	3,361
			Military service	3,242
			Falls and blows	2,243
			Sickness	2,143
			Fever	1,436
			Hereditary	909
			Neuralgia	418
			Childbirth	398
			Accident	335
			Medicine	205
			Heat	186
			Rheumatism	167
			Headache	136
			Fright, shock, excitement	119
			Hard work, overwork	101
			Lightning	93
			Diarrhea and cholera infantum	90
			Chickenpox	39
			Operation	27
			Other (unclassified) [6]	1,085
Unknown			Unknown	10,115
Aggregate				89,287

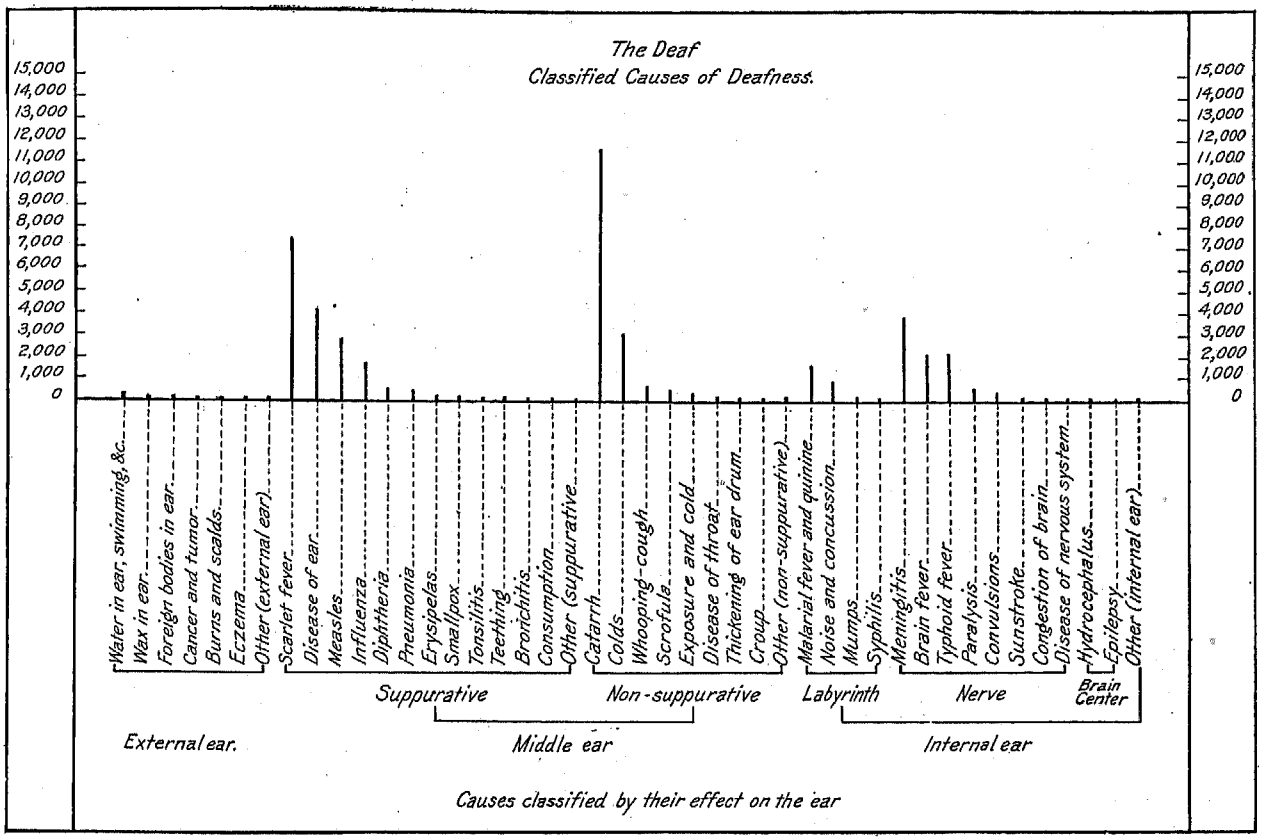
[1] *Other (external ear).*—Includes bathing and vaccination; cold and dust getting in ear; corrugated growth on ear passages; ears filled up; ears pulled; exostosis; filling up of [illegible] right ear; formation on inside of ear; growth about ears; hardening of wax and snuff; old age, and ears grown together; salt rheum [illegible] tetter; skin disease; substance growing on drum; too frequent syringing.

[2] *Other* [illegible]).—Includes boil behind ear; broken eardrums; corrosion mastoid bone; defective eardrums; disease of bone; disease of mastoid bone; drum of ear gone; eardrum of right ear gone, left one closed; ear trumpets are gone; perforated eardrum; perforated eardrums, inherited; pleurisy; sore eyes (doctor kept blister back of ears for three weeks); ulceration of membrane.

[3] *Other (nonsuppurative affections of middle ear).*—Includes adenoid growth; adenoid of posterior nerve; air in ear; air on the head; air tubes closed; asthma; asthma and coughing; asthma and nervousness; asthma and old age; bent eardrum; bronchial affection; bronchial and catarrhal trouble; bronchial trouble; buzzing noises in head; chronic catarrh; chronic rheumatic pharyngitis; chronic laryngitis; chronic nonsuppurative inflammation; closing of tube; collapse of Eustachian

The results given in Table XXXVIII are shown graphically in Diagrams 33 (classified causes) and 34 (unclassified causes).

DIAGRAM 33.



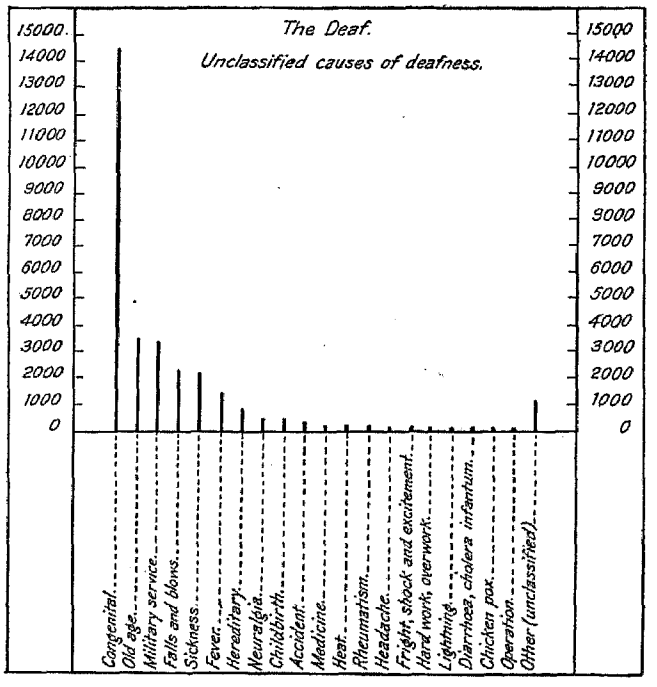
tube; concavity of tympanum; congestion; congestion of the eardrum; contraction of eardrums; drum of ear closed; drum of ear down; drum of ear not straight; drums became inactive; dry ears; drying up of earwax; eardrums affected; eardrums grown fast to something; ears [illegible] drum of ear; enlargement of [illegible] r glands; enlargement of glands; Eu[illegible] on tube leading to ear; growth [illegible] tonsil in throat; hard study, dry ear [illegible] of the glands from throat to e[illegible] le; head disease; head noises; head t[illegible] blowing until head would buzz; noise in head; obstruction of Eustachian tube; obstruction of [illegible] pressure of adenoids in pharynx; quinsy; rising on her neck; ringing in head; ro[illegible] throat; stoppage of Eustachian tube; thickening of eardrums and ulcers in throat [illegible] lining of cavity back of eardrum [illegible] ear; t[illegible]

[4] *Miscellaneous (middle ear).* [illegible] drums [illegible]

[5] *Miscellaneous (internal ear* [illegible] nerve [illegible] the brain; brain affected; brain lesion; brain trouble; blood clot at base of brain; bursting of blood [illegible] l air; compressed air mining machines; defective ear, internal ear; disease of brain; dizziness; gonorr[illegible] rdening of nerve; hemorrhage of brain; loss of force and vitality in auditory nerve; loss of power, audi[illegible] ar; prostration of aural nerve; ruptured blood vessel; rush of blood to brain; rush of blood to the hea[illegible] nerve.

[6] *Other causes (unclassified).*—Abscess around neck and throat; abscess in neck, [illegible] lung; absence of partitions of eardrums; abuse; acute poliomyelitis, anterior; age, and work in factory; anesthesia; anemia and ne[illegible] on face for toothache; bad blood; bean in nose; bean lodged in windpipe; bee stings; bite of rattlesnake; bitten by a rat; bitten b[illegible] vomit; bleeding at nose; bleeding of lung; blood d[illegible] lood rushing to head; blood sickness; blood trouble; boil [illegible] oil on neck; boils; bowel trouble; breaking down [illegible] on face; Bright's disease; burning sensation in head; calomel; camp itch and scurvy; canker in mouth and stomach; [illegible] neck; carbuncle on top of head; careless midwife; carelessness of drug clerk; carrying sack of dirt; caused by milk of [illegible] chewing paper and speaking loud in my ear; chloroform; cholera; cloth in nostril; cocai[illegible] cottonseed in nose; cruelty; damp climate; dampness; deformity; degeneracy; disease [illegible] tobacco; dormant state of drum; drank coal oil; drank hot coffee; d[illegible] ng warm; driving Government teams on plains; dropsy; dysentery; dyspepsia; eardrum crushed; eating caustic potas[illegible] mn; English sickness; ether; excessive navel hemorrhage; feather in throat caused throat to rise; feeble; felon; female [illegible] of head; gas poison; gas used in extracting teeth; gastric fever; gastritis; gathering in neck; general debility; ger[illegible] nervous system; going with hay shockers; goiter; gout; growth in right side; growth over inner drum; hardships; h[illegible] fting; hemorrhage; hemorrhage, change of life; hemorrhage of throat; hip-joint disease; hot water and working on [illegible] ead; ice water, when heated; ill treatment; improper care in childhood; infant dropsy; inflammation of bladder and [illegible] n of bowels, and medicine; inflammation of stomach; injection for sore eyes; intense mental strain; dys- [illegible] irritation of brain; itch; kidney and bladder troub[illegible] and water c[illegible] locomotor [illegible] and heart trouble; lung trouble; lupus; male[illegible] atment; medicine dropsy; menses stopped; [illegible] al trouble; mercury; mining; morphine; muscles grew around drum; muscular atrophy; muscular nervousness; nearly drowned; neglect; nerve and uterine trouble; nerve trouble; nerves of ear gave away; nervous affection of brain; nervous complications; nervous deafness; nervous debility; nervous female disorders; nervous prostration; nervous weakness, age; nervousness; nervousness and rheumatism; neuralgia, sciatica, quinine, and morphine; noncirculation of blood through head; nosebleed; old age and vertigo; one ear hole larger than the other; organic disease of the brain; overdose of turpentine; ovary; ovary and womb trouble; pains; partly inherited and neglect; partly inherited general nervousness; pemphigus; physics; poison; poison ivy eruption; poison shrubbery; poison by eating colored paper; poisonous salve; police service; poor health at critical age, severe treatment; pulling ear until blood ran; put powder up nose; rachitis; ran a piece of shingle down throat; rickets; rickets and acanodros in t[illegible] neck; roots of teeth punched out and false teeth pu[illegible] ood vessel; salivate for gravel; salivation fro[illegible] on drum; sokerosis; seasickness; self-abuse; seni[illegible] uscles of ears; sick wet nurse with ill milk; [illegible] sickness and gathering on neck; sickness, brain af[illegible] sickness of lungs; sickness of stomach; sickness, womb complaint; [illegible] affection, stopping growth of back brain; spinal curvature; spinal t[illegible] trouble; stomach trouble and constipation; strain of head; strained [illegible] ation of throat; stung by bee; swallowed concentrated lye; swelling [illegible] tickled under arms; tobacco; tobacco smoking and chewing; tooth; [illegible] uble; use of china root tea for worms; use of cocaine for catarrh, atro[illegible] using calking material; vaccination; vaccination, calomel; varicose veins; vertigo; violent pain; violent storm; [illegible] ves; weakness; weakness of aural nerve; weakness of spine; while drunk something broke in head, causing pain; [illegible] owing in ear; working at ship calkers' trade; working in cellar; working in dust; working in mine; working in we[illegible] low fever; yellow jaundice.

Diagram 34.



From Table XXXVIII and Diagram 33 it appears that among the classified cases the principal assigned causes are:

Scarlet fever	7,424	
Disease of ear	4,210	
Measles	2,469	
Influenza	1,776	
Catarrh	11,702	
Colds	3,074	
Malarial fever and quinine	1,636	
Meningitis	3,991	
Brain fever	2,013	
Typhoid fever	2,055	
		40,350
Minor causes		7,617
Aggregate classified		47,967

Malarial fever is given as a cause of deafness in some cases, and quinine in others. In large doses quinine is known to affect the hearing; but it is doubtful whether malarial fever, without quinine, produces deafness. As it is probable that all of the malarial fever cases were dosed with quinine, and that most of the quinine cases had malarial fever or were threatened with it, the best disposition of these causes seems to be to group them together and attribute the deafness to an affection of the internal ear, for quinine is known to have a specific effect upon the labyrinth.

Meningitis includes all persons returned as deaf from cerebro-spinal meningitis, meningitis (simply), or spotted fever. It is probable that brain fever is the same thing under another name; but the number of cases returned under this head seems to be sufficiently large to justify the retention of brain fever as a specific cause.

Catarrh and colds probably constitute one and the same disease; but the number of cases of deafness due to colds seems to be large enough to demand separate recognition.

Among the assigned causes of deafness in the classified cases, the following are specially predominant: Catarrh and colds, 14,776; scarlet fever, 7,424; meningitis and brain fever, 6,004. These three causes alone include the majority of the classified cases (58.8 per cent).

From Diagram 34 it appears that among the unclassified cases the principal assigned causes are:

Congenital	14,472	
Old age	3,361	
Military service	3,242	
Falls and blows	2,243	
Sickness	2,143	
Fever	1,436	
Hereditary	909	
		27,806
Minor causes		3,399
Aggregate unclassified		31,205

First in importance and overshadowing all of the others are the congenital cases—14,472 in number. These, with two others, tabulated under the head of "other causes unclassified," constitute the "deaf from birth"—14,474 cases.

It is unfortunate, considering the large numbers involved, that the assigned causes of deafness referred to in Diagram 34 are too vague to enable us to decide definitely the location or nature of the defect in the hearing apparatus.

Congenital deafness probably involves the internal ear, for the deaf from birth as a class are totally deaf. Falls and blows also are apt to produce injury to the internal ear. Those deaf from old age are, as a class, only partially deaf, so that in their case the internal ear is not incapacitated. It is probable that the defect relates chiefly to the external ear, resulting from impacted cerumen or thickening of the drum membrane. Military service may mean almost anything. Deafness due to the discharge of artillery would affect the internal ear; so would typhoid fever and malarial fever accompanied by quinine. Other diseases incident to military service, like catarrh and colds arising from exposure to the weather, might involve the middle ear. Sickness, fever, and hereditary causes would probably not involve the external ear, but might refer either to the middle ear or the internal ear.

If all the causes of deafness could be classified by their effect on the ear, it is probable that the proportions deaf from affections of the external ear and of the internal ear would be considerably increased, leading to a corresponding diminution in the proportion deaf from affections of the middle ear.

In Tables XXXIX and XL the classified causes of deafness, and the principal assigned causes, are presented in connection with their geographic distribution.

Table XXXIX shows, by geographic divisions and states and territories, the deaf from the classified causes, grouped according to the effect of the causes upon the ear.

TABLE XXXIX.—THE DEAF FROM CLASSIFIED CAUSES, BY EFFECT OF CAUSES UPON THE EAR, FOR STATES AND TERRITORIES.

STATE OR TERRITORY.	ALL CLASSIFIED CAUSES.				EXTERNAL EAR.			MIDDLE EAR.			INTERNAL EAR.			
	Total.	External ear.	Middle ear.	Internal ear.	Impacted cerumen.	Foreign bodies in ear.	Miscellaneous.	Suppurative.	Nonsuppurative.	Miscellaneous.	Labyrinth.	Nerve.	Brain.	Miscellaneous.
Continental United States	47,967	871	34,801	12,295	357	297	217	17,533	17,260	8	2,726	9,361	129	79
North Atlantic division	15,821	280	12,473	3,068	150	74	56	6,593	5,875	5	623	2,356	52	37
New England	4,979	80	4,182	717	43	16	21	2,127	2,054	1	176	520	17	4
Maine	693	11	613	69	3	1	7	316	297	.....	21	47	1	.....
New Hampshire	451	6	389	56	2	.....	4	201	188	.....	15	40	.....	1
[illegible]	434	10	387	37	5	4	1	182	205	.....	16	18	2	1
[illegible]	2,225	39	1,830	356	22	10	7	931	898	1	75	273	7	1
[illegible]	329	4	278	47	3	.....	1	151	127	.....	13	31	3	.....
Connecticut	847	10	685	152	8	1	1	346	339	.....	36	111	4	1
Southern North Atlantic	10,842	200	8,291	2,351	107	58	35	4,466	3,821	4	447	1,836	35	33
New York	5,511	94	4,187	1,230	49	31	14	2,161	2,023	3	235	951	23	21
New Jersey	1,278	36	1,023	219	21	7	8	562	461	.....	62	154	2	1
Pennsylvania	4,053	70	3,081	902	37	20	13	1,743	1,337	1	150	731	10	11
South Atlantic division	4,534	118	3,245	1,171	42	44	32	1,738	1,506	1	383	778	8	2
Northern South Atlantic	2,603	62	1,923	618	27	23	12	1,059	864	.....	171	443	3	1
Delaware	127	4	104	19	2	1	1	49	55	.....	8	11	.....	.....
[illegible]	792	22	577	193	9	10	3	320	257	.....	40	150	2	1
[illegible]	265	1	178	86	1	.....	.....	84	94	.....	9	77	.....	.....
Virginia	832	24	604	204	13	7	4	332	272	.....	82	121	1	.....
West Virginia	587	11	460	116	2	5	4	274	186	.....	32	84	.....	.....
Southern South Atlantic	1,931	56	1,322	553	15	21	20	679	642	1	212	335	5	1
North Carolina	588	12	421	155	3	5	4	238	183	.....	53	98	4	.....
South Carolina	333	21	205	107	6	9	6	99	106	.....	48	58	1	.....
Georgia	820	20	557	243	6	7	7	271	286	.....	90	152	.....	1
Florida	190	3	139	48	.....	.....	3	71	67	1	21	27	.....	.....
North Central division	19,553	293	13,519	5,741	105	109	79	6,474	7,043	2	906	4,760	47	28
Eastern North Central	12,511	160	8,688	3,663	50	57	53	4,139	4,547	2	555	3,059	27	22
Ohio	3,470	45	2,536	889	21	10	14	1,266	1,270	.....	157	712	6	14
Indiana	2,205	28	1,371	806	9	7	12	628	743	.....	118	680	6	2
Illinois	3,490	41	2,375	1,080	5	22	14	1,080	1,293	2	165	904	9	2
[illegible]	2,069	23	1,495	551	9	6	8	712	783	.....	97	448	4	2
[illegible]	1,271	23	911	337	6	12	5	453	458	.....	18	315	2	2
Western North Central	7,042	133	4,831	2,078	55	52	26	2,335	2,496	.....	351	1,701	20	6
Minnesota	891	12	617	262	5	5	2	297	320	.....	21	236	4	1
Iowa	1,795	36	1,275	484	14	18	4	574	701	.....	78	402	2	2
[illegible]	2,128	43	1,354	731	17	15	11	680	674	.....	139	585	4	3
[illegible]	128	6	88	34	6	.....	.....	46	42	.....	3	30	1	.....
South Dakota	232	5	168	59	1	1	3	85	83	.....	6	50	3	.....
Nebraska	694	15	514	165	8	6	1	271	243	.....	24	138	3	.....
Kansas	1,174	16	815	343	4	7	5	382	433	.....	80	260	3	.....
South Central division	5,664	129	3,861	1,674	40	51	38	2,002	1,859	.....	648	1,009	13	4
Eastern South Central	3,110	61	2,155	894	15	28	18	1,141	1,014	.....	327	558	7	2
Kentucky	1,242	25	835	382	11	7	7	447	388	.....	93	285	3	1
Tennessee	895	15	665	215	2	9	4	352	313	.....	83	128	3	1
Alabama	578	15	403	160	1	8	6	223	180	.....	80	80	.....	.....
Mississippi	395	6	252	137	1	4	1	119	133	.....	71	65	1	.....
Western South Central	2,554	68	1,706	780	25	23	20	861	845	.....	321	451	6	2
Louisiana	469	22	305	142	11	7	4	141	164	.....	74	67	1	.....
Arkansas	643	9	409	225	.....	7	2	213	196	.....	84	140	1	.....
Indian Territory	135	3	86	46	.....	1	2	44	42	.....	18	26	1	1
Oklahoma	171	2	118	51	1	.....	1	63	55	.....	11	37	3	.....
Texas	1,136	32	788	316	13	8	11	400	388	.....	134	181	.....	1
Western division	2,395	51	1,703	641	20	19	12	726	977	.....	166	458	9	8
Rocky Mountain	589	25	423	141	11	11	3	178	245	.....	30	104	2	5
Montana	80	2	55	23	.....	2	.....	29	26	.....	5	13	.....	5
Idaho	93	3	68	22	1	2	.....	29	39	.....	7	15	.....	.....
Wyoming	18	.....	12	6	.....	.....	.....	3	9	.....	1	5	.....	.....
Colorado	307	10	228	69	5	2	3	88	140	.....	10	59	.....	.....
New Mexico	91	10	60	21	5	5	.....	29	31	.....	7	12	2	.....
Basin and Plateau	258	4	179	75	2	1	1	98	81	.....	15	59	1	.....
Arizona	28	2	17	9	1	1	.....	11	6	.....	1	7	1	.....
Utah	194	1	136	57	1	.....	.....	77	59	.....	10	47	.....	.....
Nevada	36	1	26	9	.....	.....	1	10	16	.....	4	5	.....	.....
Pacific	1,548	22	1,101	425	7	7	8	450	651	.....	121	295	6	3
Washington	252	5	160	87	1	1	3	64	96	.....	10	73	4	.....
Oregon	259	2	180	77	.....	1	1	96	84	.....	18	58	.....	1
California	1,037	15	761	261	6	5	4	290	471	.....	93	164	2	2

Table XL shows, by states and territories and geographic divisions, the deaf from the principal assigned causes, classified and unclassified.

TABLE XL.—THE DEAF, BY PRINCIPAL ASSIGNED CAUSES, FOR STATES AND TERRITORIES.

STATE OR TERRITORY.	CLASSIFIED CAUSES.										UNCLASSIFIED CAUSES.						
	Scarlet fever.	Disease of ear.	Measles.	Influenza.	Catarrh.	Colds.	Malarial fever and quinine.	Meningitis.	Brain fever.	Typhoid fever.	Congenital.	Old age.	Military service.	Falls and blows.	Sickness.	Fever.	Hereditary.
Continental United States	7,424	4,210	2,469	1,776	11,702	3,074	1,636	3,991	2,013	2,055	14,472	3,361	3,242	2,243	2,143	1,436	909
North Atlantic division	3,483	1,095	761	637	4,020	1,132	221	882	549	516	3,466	1,392	919	822	533	315	387
New England	1,077	409	241	202	1,440	355	57	168	104	130	950	527	254	255	126	116	146
Maine	137	84	44	29	213	37	6	9	15	10	186	51	50	36	14	20	19
New Hampshire	100	57	12	19	137	28	7	6	8	13	57	51	22	12	14	9	12
Vermont	88	31	18	24	153	33	.....	3	.....	9	29	52	41	20	8	12	15
[illegible]	464	175	99	93	597	180	15	103	49	64	432	256	109	127	55	46	70
[illegible]	85	25	22	7	94	19	4	9	8	5	56	28	16	16	9	8	10
[illegible]	203	37	46	30	246	58	25	38	24	29	190	89	16	44	26	21	20
Southern North Atlantic	2,406	686	520	435	2,580	777	164	714	445	386	2,516	865	665	567	407	199	241
New York	1,179	328	233	194	1,402	390	79	386	241	170	1,178	482	285	316	195	84	127
New Jersey	289	108	62	54	313	94	33	45	39	43	228	114	62	59	38	12	38
Pennsylvania	938	250	225	187	865	293	52	283	165	173	1,110	269	318	192	174	103	76
South Atlantic division	599	561	249	153	863	342	256	313	99	241	2,721	327	313	229	243	196	105
Northern South Atlantic	444	260	145	93	497	206	87	160	66	154	1,152	205	199	130	127	77	65
Delaware	20	5	10	6	35	14	4	1	3	5	36	7	9	7	7	1	5
Maryland	148	62	40	36	157	65	19	32	20	76	291	60	45	44	31	11	15
District of Columbia	49	11	8	8	58	27	6	40	11	17	51	58	28	17	13	7	2
Virginia	103	116	47	29	147	63	44	51	11	36	527	63	73	39	55	26	29
West Virginia	124	66	40	14	100	37	14	36	21	20	247	17	44	23	21	32	14
Southern South Atlantic	155	301	104	60	366	136	169	153	33	87	1,569	122	114	99	116	119	40
North Carolina	57	110	31	22	93	41	41	39	12	27	646	31	41	28	30	47	13
South Carolina	13	39	22	9	56	25	42	29	6	12	333	34	12	24	32	25	11
Georgia	66	115	44	25	183	50	68	74	14	39	502	49	49	40	46	38	16
Florida	19	37	7	4	34	20	18	11	1	9	88	8	12	7	8	9	.....
North Central division	2,604	1,452	1,067	744	5,021	1,094	566	2,133	1,086	976	4,603	1,141	1,501	822	956	492	307
Eastern North Central	1,735	864	692	468	3,234	724	324	1,276	761	645	2,823	784	918	522	583	275	212
Ohio	529	248	207	143	900	183	86	243	197	178	790	236	314	142	112	76	68
Indiana	232	134	123	77	526	95	70	313	191	115	447	130	162	67	86	57	35
Illinois	415	261	181	125	918	227	108	400	220	168	706	229	215	172	197	81	57
Michigan	332	147	110	77	591	109	53	192	86	106	413	95	144	90	77	37	36
Wisconsin	227	74	71	46	299	110	7	128	67	78	467	94	83	51	111	24	16
Western North Central	869	588	375	276	1,787	370	242	857	325	331	1,780	357	583	300	373	217	95
Minnesota	140	54	32	39	213	72	9	85	59	69	325	40	51	43	85	15	13
Iowa	240	127	91	56	529	94	51	201	80	73	336	99	106	66	64	41	21
Missouri	197	232	109	87	477	85	105	353	92	92	578	111	185	81	95	84	32
North Dakota	18	10	9	4	28	10	.....	9	11	4	48	3	8	8	15	4	.....
South Dakota	38	22	8	8	53	17	2	18	6	16	52	8	11	19	27	7	5
Nebraska	110	51	51	31	165	45	10	62	31	28	161	45	65	30	36	21	10
Kansas	126	92	75	51	322	47	65	129	46	49	280	51	157	53	51	45	14
South Central division	431	931	303	171	1,155	288	504	460	192	217	3,164	339	394	243	326	357	85
Eastern South Central	274	500	177	100	585	159	252	241	111	134	1,832	216	234	125	155	201	55
Kentucky	140	164	73	35	216	58	73	105	64	78	630	91	90	46	48	91	20
Tennessee	88	146	50	35	180	45	54	64	24	25	554	42	78	22	42	67	20
Alabama	30	127	32	21	107	34	67	34	14	22	370	53	35	28	28	24	8
Mississippi	16	63	22	9	82	22	58	38	9	9	278	30	31	29	37	19	7
Western South Central	157	431	126	71	570	129	252	219	81	83	1,332	123	160	118	171	156	30
Louisiana	44	65	11	7	90	50	52	15	14	18	363	44	40	27	53	29	8
Arkansas	30	119	29	16	128	27	68	72	33	17	328	26	42	29	39	34	5
Indian Territory	7	25	6	3	28	4	15	14	8	2	43	1	3	3	5	10	1
Oklahoma	17	16	17	6	37	9	7	23	7	5	51	3	14	4	5	8	2
Texas	59	206	63	39	287	39	110	95	19	41	547	49	61	55	69	75	14
Western division	307	171	89	71	643	218	89	203	87	105	518	162	115	127	85	76	25
Rocky Mountain	72	40	23	19	161	47	16	55	12	23	149	49	37	40	17	27	3
Montana	14	4	3	6	17	5	4	7	2	1	16	1	4	3	3	6	.....
Idaho	13	7	3	2	25	10	3	8	1	6	17	2	5	5	3	2	.....
Wyoming	1	.....	.....	1	6	1	.....	1	3	1	2	.....	3	.....	.....	.....	1
Colorado	37	13	16	10	97	26	6	34	6	12	52	11	17	15	7	8	.....
New Mexico	7	16	1	.....	16	5	3	5	.....	3	62	35	8	17	4	11	2
Basin and Plateau	43	22	10	8	48	19	7	32	7	19	64	16	13	13	16	13	2
Arizona	4	7	.....	.....	4	.....	1	3	3	1	5	2	5	2	2	1	.....
Utah	35	12	9	7	35	15	4	27	3	16	54	10	6	11	10	12	2
Nevada	4	3	1	1	9	4	2	2	1	2	5	4	2	.....	4	.....	.....
Pacific	192	109	56	44	434	152	66	116	68	63	305	97	65	74	52	36	20
Washington	26	17	8	5	70	14	5	35	20	14	48	9	8	4	7	4	5
Oregon	42	18	20	8	55	18	8	24	13	13	52	7	16	18	13	7	1
California	124	74	28	31	309	120	53	57	35	36	205	81	41	52	32	25	14

Table XLI gives the ratio per million of total population for certain classes of deaf shown in Tables XXXIX and XL.

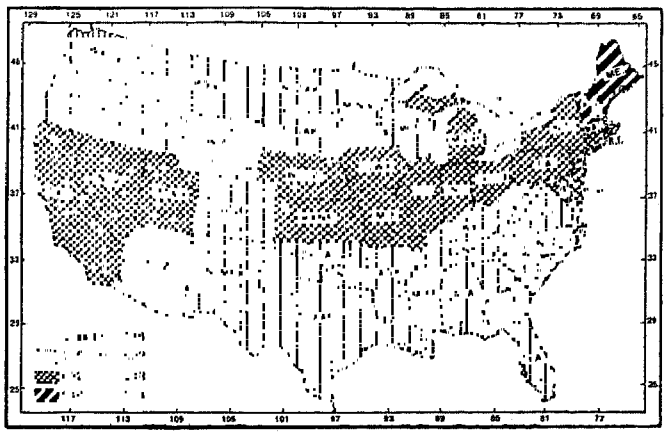
TABLE XLI.—NUMBER OF DEAF FROM SPECIFIED CAUSES PER MILLION OF TOTAL POPULATION, BY STATES AND TERRITORIES.

STATE OR TERRITORY.	NUMBER OF DEAF FROM SPECIFIED CAUSE PER 1,000,000 POPULATION.										
	All classified causes.	Middle ear.	Middle ear: Suppurative.	Scarlet fever.	Middle ear: Non-suppurative.	Catarrh and colds.	Internal ear.	Labyrinth.	Nerve.	Meningitis and brain fever.	Congenital.
Continental United States	631	458	231	98	227	194	162	36	123	79	190
North Atlantic division	752	593	313	165	279	245	146	30	112	68	165
New England	890	748	380	193	367	321	128	31	93	49	170
Maine	998	883	455	197	428	360	99	30	68	34	267
New Hampshire	1,096	945	488	245	457	400	136	36	97	35	140
Vermont	1,263	1,126	530	256	597	540	108	47	52	9	86
Massachusetts	793	652	332	165	320	277	127	27	97	54	154
Rhode Island	768	649	352	197	296	262	110	30	72	39	130
Connecticut	932	754	381	223	373	334	167	40	122	68	209
Southern North Atlantic	702	536	289	156	247	217	152	29	119	75	163
New York	758	576	297	162	278	246	169	32	131	86	162
New Jersey	678	543	298	154	245	216	116	33	82	45	121
Pennsylvania	643	489	277	149	212	184	143	24	116	71	176
South Atlantic division	434	311	166	57	144	115	112	37	74	39	261
Northern South Atlantic	583	431	237	99	194	157	138	38	99	51	258
Delaware	687	563	265	111	298	265	103	43	60	22	196
Maryland	667	486	269	124	216	187	162	34	126	43	244
District of Columbia	951	639	301	174	337	304	309	32	276	184	184
Virginia	449	326	179	55	147	113	110	44	65	33	284
West Virginia	612	480	286	129	194	143	121	33	83	59	257
Southern South Atlantic	323	221	114	26	107	84	92	35	56	31	262
North Carolina	310	222	126	30	97	71	82	28	52	27	341
South Carolina	248	153	74	10	79	61	80	36	43	26	248
Georgia	370	251	122	30	129	105	110	41	69	40	227
Florida	359	263	134	36	127	102	91	40	51	22	166
North Central division	743	513	246	99	267	232	218	34	181	122	175
Eastern North Central	783	543	259	109	284	248	229	35	191	127	177
Ohio	835	610	305	127	305	261	214	38	171	106	190
Indiana	876	545	250	92	295	243	320	47	270	200	178
Illinois	725	493	224	86	268	237	224	34	187	128	146
Michigan	855	618	294	137	323	289	228	40	185	115	170
Wisconsin	614	440	219	110	221	198	103	9	152	94	226
Western North Central	681	467	226	84	241	208	201	34	164	114	172
Minnesota	509	352	170	80	183	163	150	12	135	82	186
Iowa	804	571	257	108	314	275	217	35	180	125	154
Missouri	685	436	219	64	217	363	235	45	188	143	186
North Dakota	401	276	144	56	132	119	107	9	94	63	150
South Dakota	578	418	212	92	207	170	147	15	125	57	127
Nebraska	651	482	254	103	228	197	155	23	129	87	151
Kansas	798	554	260	85	294	251	233	54	177	119	191
South Central division	402	274	142	31	132	102	119	46	72	46	225
Eastern South Central	412	286	151	36	134	99	118	43	74	47	243
Kentucky	578	389	208	65	181	127	178	43	133	79	294
Tennessee	443	329	174	43	155	111	106	41	63	43	274
Alabama	316	220	122	17	98	77	87	44	44	26	202
Mississippi	255	162	77	11	86	67	88	46	42	30	179
Western South Central	391	261	132	24	129	107	119	49	69	46	204
Louisiana	339	221	102	32	119	101	103	54	48	21	163
Arkansas	490	312	162	23	149	118	172	64	107	80	250
Indian Territory	344	219	112	18	107	83	117	46	66	55	110
Oklahoma	429	296	158	43	138	115	128	28	93	75	128
Texas	373	258	131	20	127	107	104	44	59	38	180
Western division	585	416	177	75	239	210	157	41	112	71	127
Rocky Mountain	478	343	144	58	199	169	114	24	84	54	121
Montana	329	226	119	58	107	90	95	21	53	38	64
Idaho	575	420	179	80	241	217	136	43	93	56	106
Wyoming	195	130	32	10	97	80	65	11	54	40	20
Colorado	569	422	163	69	259	227	128	19	109	74	96
New Mexico	466	307	148	35	159	105	108	36	61	25	315
Basin and Plateau	584	405	222	97	183	152	170	34	133	88	145
Arizona	228	138	80	32	49	30	73	8	57	48	41
Utah	701	491	278	127	213	180	206	36	170	107	194
Nevada	850	614	236	95	378	300	213	94	118	70	120
Pacific	641	456	186	79	269	242	176	50	122	76	126
Washington	486	309	124	50	185	162	168	19	141	106	92
Oregon	626	435	232	102	203	177	186	44	140	90	127
California	698	512	195	83	317	289	176	63	110	62	137

Table XLI is illustrated by the series of shaded maps constituting Maps 4 to 9, inclusive, showing the ratio per million of population in each state and territory reported as deaf from the specified causes.

In 47,967 cases the assigned causes of deafness have been classified by their effect upon the ear, and Map 4 shows approximately the proportion of the population in each state or territory who lost hearing from the classified causes.

MAP 4.—*Number of deaf from classified causes per million of population, by states and territories.*



Four grades of shading are employed: The second indicates a proportion double that shown by the first; the third, three times that proportion; and the fourth, four times—at least approximately. The largest proportion deaf from the classified causes, indicated by the fourth or heaviest shading, is found in the territory covered by Maine, New Hampshire, and Vermont. The territory covered by the third grade of shading abuts upon this and extends westward as a narrow tongue as far as Nebraska and Kansas—including these states. The next, or second, shading extends pretty uniformly over the rest of the country (excluding the Western division), except in the states of North Carolina, South Carolina, and Mississippi. The states composing the Western division, with the exception of California, have very small populations, so that the ratios deaf have not the same significance as in the case of the older and more thickly settled states, since the addition or subtraction of a mere handful of deaf would make an appreciable change in the ratios.

Broad groups.—It appears that the states having the largest ratios deaf from affections of the middle ear compose a territory covering the New England states and the states bordering on the Great Lakes (New York, Ohio, and Michigan), with an outlying territory in Iowa. The largest ratios of all are found in Maine, New Hampshire, and Vermont, and the smallest in the Southern states.

The largest ratios deaf from affections of the internal ear are found in a territory covering the North Central division of the United States (except Minnesota, North Dakota, South Dakota, and Nebraska), with outlying extensions in New York, Maryland, Kentucky, and Arkansas. The largest ratio of all is found in Indiana, and the smallest, if Arizona be disregarded, in South Carolina.

Subgroups.—Maps 5 and 6 show, in contrast, the geographic distribution of the deaf who lost hearing from suppurative and nonsuppurative (or catarrhal) affections of the middle ear; and Maps 7 and 8 relate to deafness caused by affections of the labyrinth and auditory nerve.

Principal assigned causes.—Map 9 shows the geographic distribution of the congenital (unclassified) deaf.

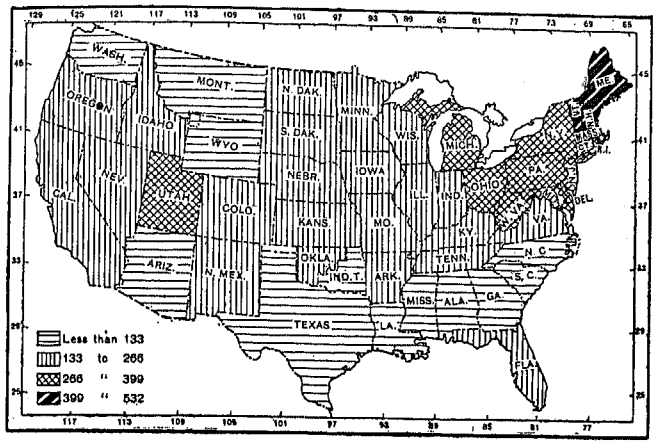
The larger ratios, congenitally deaf, prevail over the greater portion of the country (excluding the Western division); and the largest ratios are found in a group of states comprising Kentucky, Tennessee, Virginia, and North Carolina, with a detached area in Maine. The largest ratio of all is found in North Carolina.

Map 10 shows the average percentage of sunshine in the states and territories during a period of 31 years (1870 to 1901), from records compiled by the United States Weather Bureau under the direction of Prof. Willis L. Moore.

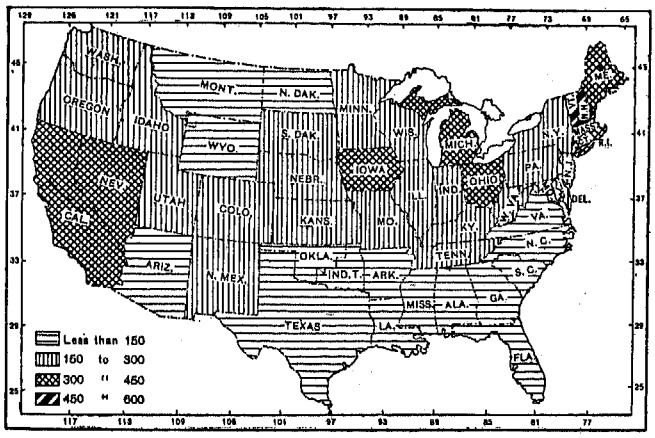
It is noteworthy that the area of country having the least percentage of sunshine corresponds very closely to the area showing the largest ratios deaf from affections of the middle ear. We would naturally expect that a cold, damp climate would favor the production of catarrhal affections of the middle ear (Map 6), but the sunshine map corresponds more closely with the map showing the geographic distribution of affections of the suppurative variety (Map 5) caused principally by scarlet fever.

Maps 11 and 12 relate to the geographic distribution of the totally deaf from early childhood (under 5), all of whom naturally are deaf and dumb, distinguishing the congenital cases (Map 11) from the noncongenital (Map 12).

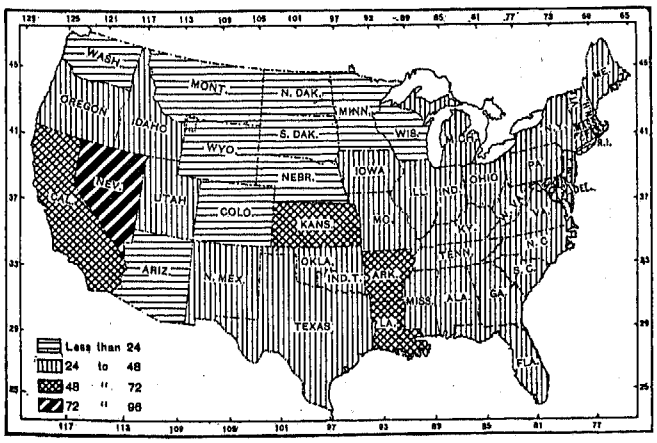
MAP 5.—*Number of deaf from suppurative affections of middle ear per million of population, by states and territories.*



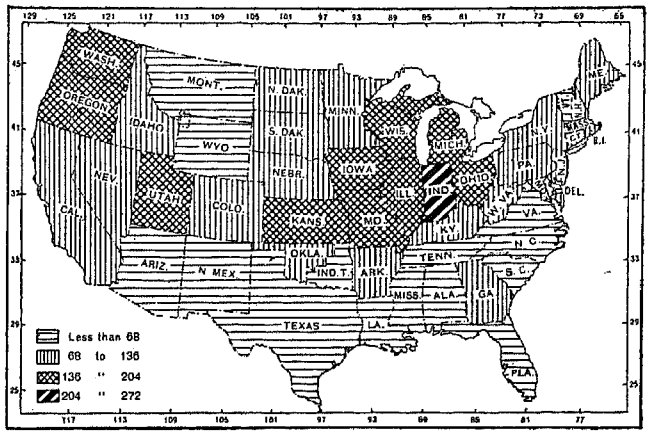
MAP 6.—*Number of deaf from catarrhal affections of middle ear per million of population, by states and territories.*



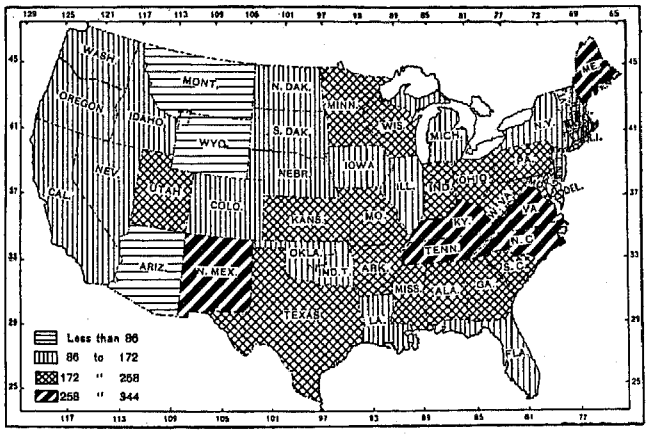
MAP 7.—*Number of deaf from affections of the labyrinth per million of population, by states and territories.*



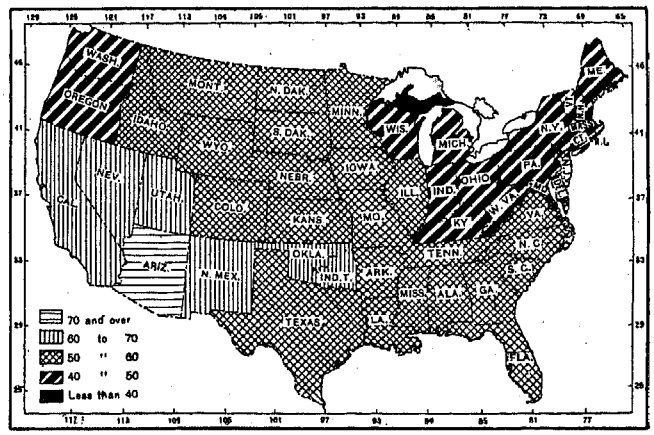
MAP 8.—*Number of deaf from affections of the auditory nerve per million of population, by states and territories.*



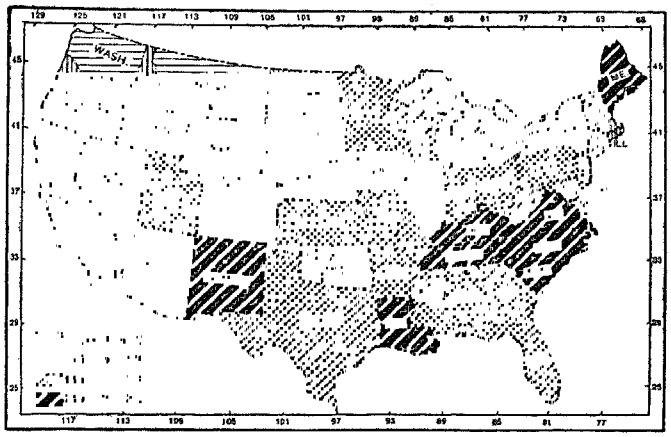
MAP 9.—*Number of congenital deaf per million of population, by states and territories.*



MAP 10.—*Per cent of sunshine in each state and territory, 1870 to 1891, inclusive.*



MAP 11.—*Number of totally deaf from birth (congenital) per million of population, by states and territories.*



MAP 12.—*Number of totally deaf from early childhood under 5, (non-congenital) per million of population, by states and territories.*

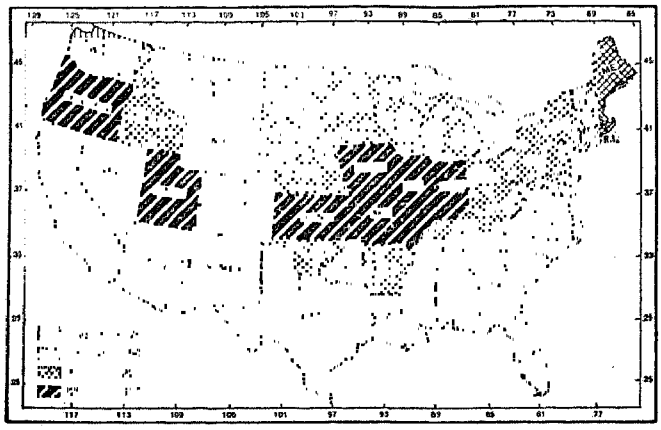


Table XLII shows the deaf from the specified causes, by the age and period of life when deafness occurred.

TABLE XLII.—THE DEAF, BY PERIOD OF LIFE AND AGE WHEN DEAFNESS OCCURRED AND CAUSES OF DEAFNESS.

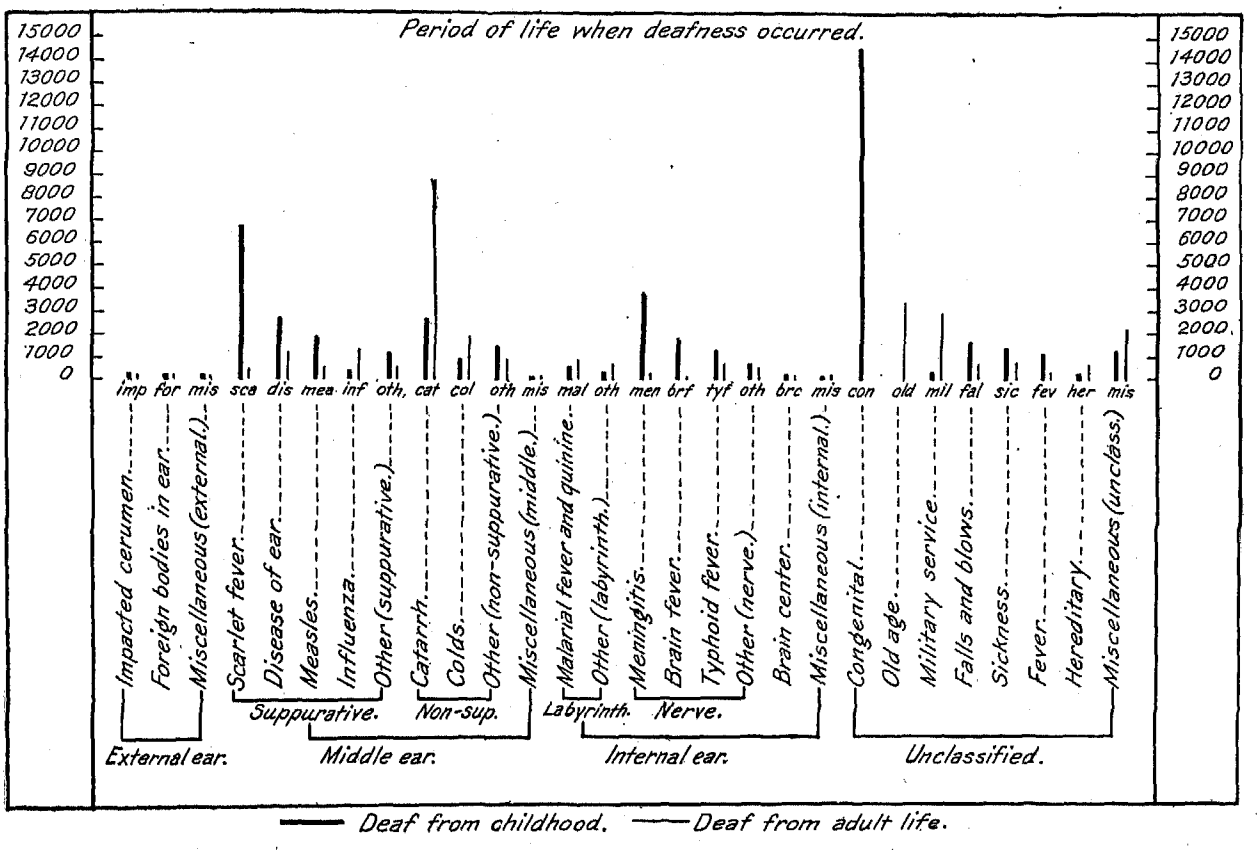
CAUSE OF DEAFNESS.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.			AGE WHEN DEAFNESS OCCURRED.											
					Under 20.							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.
All causes	89,287	50,296	35,924	3,067	14,474	7,396	10,536	7,018	4,464	4,061	2,347	16,588	9,437	6,595	1,021	2,283
Classified																
Unclassified																
Unknown	10,115	2,749	5,649	1,717	.....	347	560	374	382	373	713	1,845	1,929	1,323	93	459
Classified:																
External ear	871	484	364	23	.....	73	89	93	111	96	22	185	110	54	1	14
Impacted cerumen	357	200	147	10	.....	10	17	32	68	65	8	89	34	17	.....	7
Foreign bodies in ear	297	149	142	6	.....	15	34	40	25	27	8	69	55	15	.....	3
Miscellaneous (external ear)	217	135	75	7	.....	48	38	21	18	4	6	27	21	22	1	4
Middle ear	34,801	18,205	15,787	809	.....	3,479	5,204	3,798	2,496	2,159	1,069	8,229	4,534	2,405	171	448
Suppurative	17,533	13,054	4,159	320	.....	2,632	4,289	3,045	1,490	872	726	2,072	1,107	791	81	108
Scarlet fever	7,424	6,851	454	119	.....	928	2,633	2,017	719	249	305	344	74	13	.....	23
Disease of ear	4,210	2,834	1,278	98	.....	864	724	388	334	241	283	666	373	183	19	37
Measles	2,469	1,925	511	33	.....	424	508	405	279	234	75	412	76	10	1	12
Influenza	1,776	388	1,344	44	.....	116	91	74	51	41	15	320	413	525	57	29
Other (suppurative)	1,654	1,056	572	26	.....	300	333	161	107	107	48	330	171	60	4	7
Nonsuppurative	17,260	5,149	11,623	488	.....	847	914	753	1,006	1,287	342	6,156	3,424	1,614	90	339
Catarrh	11,702	2,718	8,646	338	.....	234	308	404	676	899	197	4,668	2,515	1,149	60	254
Colds	3,074	984	1,989	101	.....	181	195	123	176	240	69	990	588	337	21	53
Other (nonsuppurative)	2,484	1,447	988	49	.....	432	411	226	154	148	76	498	321	128	9	32
Miscellaneous (middle ear)	8	2	5	1	.....	.....	1	.....	.....	.....	1	1	3	.....	.....	1
Internal ear	12,295	8,825	3,286	184	.....	2,196	3,104	1,865	852	615	193	1,828	933	422	33	70
Labyrinth	2,726	971	1,669	86	.....	154	232	172	171	201	41	881	514	226	11	37
Malarial fever and quinine	1,636	665	944	27	.....	133	174	102	103	124	29	530	281	113	8	12
Other (labyrinth)	1,090	306	725	59	.....	21	58	70	68	77	12	351	233	113	3	25
Nerve	9,361	7,712	1,567	82	.....	1,989	2,830	1,679	672	405	137	926	404	187	19	31
Meningitis	3,991	3,868	106	17	.....	958	1,566	848	317	120	59	86	16	3	.....	1
Brain fever	2,013	1,933	69	11	.....	609	723	402	127	50	22	48	18	2	1	.....
Typhoid fever	2,055	1,211	823	21	.....	129	327	340	192	199	24	600	172	43	1	7
Other (nerve)	1,302	700	569	33	.....	293	214	89	36	36	32	192	198	139	17	23
Brain center for hearing	129	111	13	5	.....	45	33	12	5	5	11	6	3	2	.....	2
Miscellaneous (internal ear)	79	31	37	11	.....	8	9	2	4	4	4	15	12	7	3	.....
Unclassified:																
Congenital	14,472	14,472	.....		14,472											
Old age	3,361	.....	3,361													
Military service	3,242	292	2,864													
Falls and blows	2,243	1,528	671													
Sickness	2,143	1,339	715													
Fever	1,436	1,050	363													
Hereditary	909	209	676													
Miscellaneous (unclassified)	3,399	1,143	2,188													

It will be seen from Table XLII that the number deaf from childhood exceeds the number deaf from adult life in each of the three broad groups—external ear, middle ear, and internal ear. This predominance is especially marked where deafness resulted from affections of the internal ear.

The deaf from childhood predominate among those deaf from suppurative affections of the middle ear and affections of the auditory nerve, and the deaf from adult life predominate in the case of nonsuppurative affections of the middle ear and affections of the labyrinth.

In Diagram 35 the principal assigned causes are considered in connection with the period of life when deafness occurred.

DIAGRAM 35.



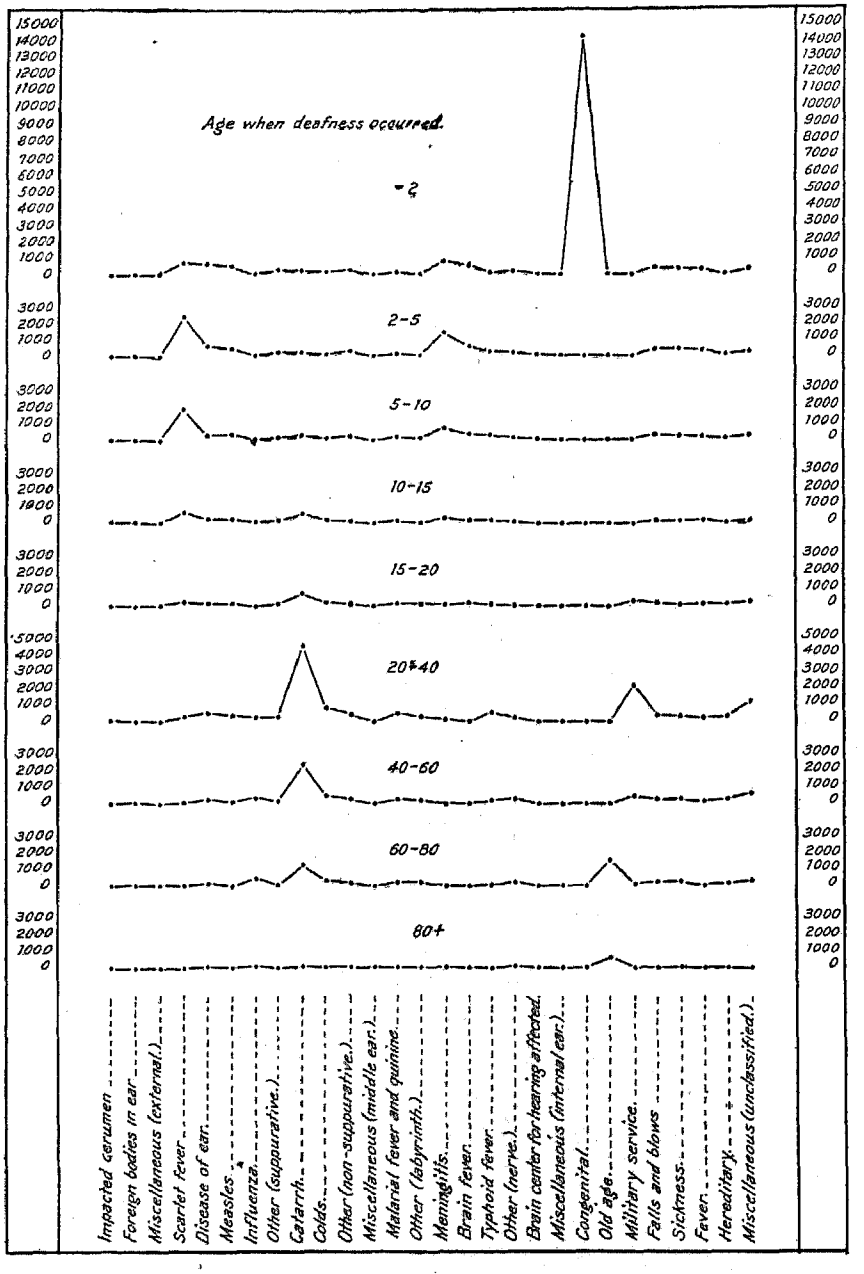
From Diagram 35 it is clearly seen that the predominant causes of deafness are different in the case of deaf from childhood and the deaf from adult life. Scarlet fever, meningitis, and brain fever, which are among the leading causes of deafness occurring in childhood, are comparatively insignificant as causes of deafness occurring in adult life. On the other hand, catarrh, colds, and influenza, which are the leading causes of deafness occurring in adult life, are of lesser importance as causes of deafness in childhood. Catarrh is reported as the cause (of deafness) in over 35 per cent (35.1) of the assigned causes of deafness occurring in adult life. Among the unclassified causes it is somewhat noteworthy that most of the "hereditary" cases lost hearing in adult life, and that none of them were born deaf.

The difference between the deaf from childhood and the deaf from adult life may be illustrated by giving in each case the principal assigned causes among the classified cases, in the order of their importance, as follows:

Deaf from childhood:	
Scarlet fever	6,857
Meningitis and brain fever	5,801
Catarrh and colds	3,702
Disease of ear	2,834
Measles	1,925
Typhoid fever	1,211
Malarial fever and quinine	665
Influenza	388
Deaf from adult life:	
Catarrh and colds	10,635
Influenza	1,344
Disease of ear	1,278
Malarial fever and quinine	944
Typhoid fever	823
Measles	511
Scarlet fever	454
Meningitis and brain fever	175

In Diagram 36 the principal assigned causes are considered in connection with the age when deafness occurred.

DIAGRAM 36.



Under 2.—The congenitally deaf form the mass of those who lost hearing before the age of 2, and among the noncongenital cases scarlet fever, disease of ear, measles, meningitis, and brain fever seem to predominate slightly over the other causes assigned.

2 and under 5.—Scarlet fever and meningitis stand out prominently as causes of deafness occurring at this period. Disease of the ear and brain fever are next in importance. It is interesting to note that over 65 per cent of the cases due to brain fever occur before the age of 5.

5 and under 10.—Where deafness occurred between 5 and 10 years of age, scarlet fever is markedly the leading cause, and meningitis only slightly predominates over the other causes.

10 and under 15.—No single cause seems to be predominant in a marked degree. Scarlet fever and catarrh are slightly conspicuous. Meningitis is less conspicuous than in the preceding groups.

15 and under 20.—Catarrh now takes the lead, but only slightly, and scarlet fever and meningitis no longer appear as conspicuous causes.

20 and under 40.—Deafness occurring in adult life between the ages of 20 and 40 seems to be due chiefly to catarrh. A considerable number, however, report deafness as caused by military service. Malarial fever and quinine, and typhoid fever, which are also slightly conspicuous, are more prominent at this period than at any other.

40 and under 60.—The only conspicuous cause is catarrh, but it is less conspicuous than in the preceding age period.

60 and under 80.—Deafness occurring between the ages of 60 and 80 is chiefly recorded as due to old age, although catarrh still shows conspicuously, but in a much less marked degree than in the two preceding age periods.

80 and over.—The only conspicuous cause assigned for deafness occurring at this period is old age. Two-thirds of the cases occurring after 80 years of age are due to this cause.

In relation to the four principal assigned causes of deafness it may be noted that congenital deafness occurs exclusively at birth, and deafness due to catarrh almost exclusively in adult life. Meningitis produces deafness chiefly before the age of 5 and scarlet fever before the age of 10.

Table XLIII shows the percentage deaf from childhood and from adult life for each of the principal assigned causes.

From Table XLIII it is seen that in affections of the middle ear the proportion deaf from adult life more nearly approaches the proportion deaf from childhood than in either of the other two broad groups, although the proportions in the several causes under affections of the middle ear vary greatly. The proportion deaf from childhood is largest in affections of the internal ear, being over 70 per cent of the total number of such cases. In only one of the leading causes under this group does the proportion deaf from adult life exceed that of the deaf from childhood, namely, in malarial fever and quinine.

TABLE XLIII.—*Per cent distribution of the deaf, by degree of deafness, period of life when deafness occurred, and principal causes.*

CAUSE.	PER CENT DISTRIBUTION OF THE DEAF BY—				
	Degree of deafness.		Period of life when deafness occurred.		
	Totally deaf.	Partially deaf.	Deaf from childhood.	Deaf from adult life.	Unknown.
All causes	41.9	58.1	56.3	40.2	3.5
Affections of external ear	23.8	76.2	55.6	41.8	2.6
Affections of middle ear	29.4	70.6	52.3	45.4	2.3
Scarlet fever	55.8	44.2	92.3	6.1	1.6
Disease of ear	32.4	67.6	67.3	30.4	2.3
Measles	38.6	61.4	78.0	20.7	1.3
Influenza	15.4	84.6	21.8	75.7	2.5
Catarrh	11.6	88.4	23.2	73.9	2.9
Colds	18.9	81.1	32.0	64.7	3.3
Affections of internal ear	62.9	37.1	71.8	26.7	1.5
Malarial fever and quinine	26.8	73.2	40.6	57.7	1.7
	90.4	9.6	96.9	2.7	0.4
	86.6	13.4	96.0	3.4	0.6
	44.2	55.8	58.9	40.1	1.0
Unclassified	54.3	45.7	64.2	34.7	1.1
Congenital	87.1	12.9	100.0	.....	.....
Old age	3.4	96.6	.....	100.0	.....
Military service	11.6	88.4	9.0	88.3	2.7
Falls and blows	46.8	53.2	68.1	29.9	2.0
Sickness	46.8	53.2	62.5	33.4	4.1
Fever	52.8	47.2	73.1	25.3	1.6
Hereditary	13.4	86.6	23.0	74.4	2.6

More than 90 per cent of the deafness from scarlet fever, meningitis, and brain fever, more than 75 per cent of the deafness due to measles, and over 65 per cent of the deafness due to disease of the ear occurred in childhood; on the other hand, more than 60 per cent of the deafness from influenza, catarrh, and colds occurred in adult life.

Among the unclassified cases about 75 per cent of the "hereditary" cases lost hearing in adult life. It is noteworthy that over 70 per cent of the deafness due to fever, over 65 per cent of the cases due to falls and blows, and over 60 per cent of the cases due to sickness occurred in childhood. It is interesting also to note that 9 per cent of the deafness due to military service occurred in childhood (under 20 years).

In Table XLIV the deaf are considered by causes of deafness in relation to degree of deafness, deaf relatives, and consanguinity of parents.

TABLE XLIV.—THE DEAF, BY DEGREE OF DEAFNESS, DEAF RELATIVES, CONSANGUINITY OF PARENTS, AND CAUSES OF DEAFNESS.

CAUSE OF DEAFNESS.	Total.	DEGREE OF DEAFNESS.		DEAF RELATIVES.[1]			CONSANGUINITY OF PARENTS.		
		Totally deaf.	Partially deaf.	*a*, *b*, or *c* relatives.	No *a*, *b*, or *c* relatives.	Not stated.	Parents cousins.	Parents notcousins.	Not stated.
All causes	89,287	37,426	51,861	26,221	54,260	8,806	4,065	75,530	9,692
Classified	47,967	18,164	29,803	13,389	31,212	3,366	1,610	42,705	3,652
Unclassified	31,205	16,950	14,255	9,998	18,031	3,176	2,183	25,281	3,741
Unknown	10,115	2,312	7,803	2,834	5,017	2,264	272	7,544	2,299
Classified:									
External ear	871	207	664	237	559	75	29	760	82
Impacted cerumen	357	71	286	105	226	26	3	324	30
Foreign bodies in ear	297	50	247	79	191	27	9	256	32
Miscellaneous (external ear)	217	86	131	53	142	22	17	180	20
Middle ear	34,801	10,227	24,574	10,950	21,285	2,566	1,238	30,824	2,739
[illegible]	17,533	7,390	10,143	4,551	11,809	1,173	738	15,510	1,285
[illegible]	7,424	4,145	3,279	1,608	5,394	422	285	6,647	492
[illegible]	4,210	1,365	2,845	1,316	2,601	293	222	3,683	305
Measles	2,469	953	1,516	682	1,642	145	101	2,194	174
Influenza	1,776	273	1,503	468	1,099	209	45	1,524	207
Other (suppurative)	1,654	654	1,000	477	1,073	104	85	1,462	107
Nonsuppurative	17,260	2,836	14,424	6,397	9,474	1,389	500	15,309	1,451
Catarrh	11,702	1,354	10,348	4,701	6,050	951	304	10,450	948
Colds	3,074	580	2,494	860	1,926	288	81	2,666	327
Other (nonsuppurative)	2,484	902	1,582	836	1,498	150	115	2,193	176
Miscellaneous (middle ear)	8	1	7	2	2	4	.....	5	3
[illegible]	12,295	7,730	4,565	2,202	9,368	725	343	11,121	831
[illegible]	2,726	661	2,065	721	1,783	222	88	2,365	273
[illegible]	1,636	439	1,197	456	1,061	119	67	1,427	142
[illegible]	1,090	222	868	265	722	103	21	938	131
Nerve	9,361	6,931	2,430	1,457	7,432	472	251	8,582	528
Meningitis	3,991	3,609	382	446	3,400	145	83	3,741	167
Brain fever	2,013	1,744	269	260	1,670	83	59	1,859	95
Typhoid fever	2,055	908	1,147	515	1,410	130	60	1,839	156
Other (nerve)	1,302	670	632	236	952	114	49	1,143	110
Brain center for hearing	129	96	33	13	103	13	4	112	13
Miscellaneous (internal ear)	79	42	37	11	50	18	.....	62	17
Unclassified:									
Congenital	14,472	12,607	1,865	6,155	7,273	1,044	1,710	11,322	1,440
Old age	3,361	115	3,246	399	1,934	1,028	38	2,369	954
Military service	3,242	375	2,867	536	2,440	266	40	2,897	305
Falls and blows	2,243	1,050	1,193	449	1,626	168	95	1,933	215
Sickness	2,143	1,002	1,141	418	1,511	214	80	1,786	277
Fever	1,436	758	678	292	1,051	93	62	1,257	117
Hereditary	909	122	787	850	19	40	57	799	53
Miscellaneous (unclassified)	3,399	921	2,478	899	2,177	323	101	2,918	380

[1] Symbols for deaf relatives—*a*, deaf brothers, sisters, or ancestors; *b*, deaf uncles, aunts, cousins, or other relatives not *a*, *c*, or *d*; *c*, deaf children (sons or daughters); *d*, deaf husbands or wives.

The results contained in Table XLIV relating to total and partial deafness are shown graphically in Diagram 37 (page 123).

Broad groups.—It appears that affections of the middle ear result chiefly in partial deafness, and affections of the internal ear chiefly in total deafness.

Subgroups.—Suppurative affections of the middle ear appear to be much more productive of total deafness than nonsuppurative, or catarrhal, affections. Affections of the labyrinth result chiefly in partial deafness and affections of the auditory nerve in total deafness.

Principal assigned causes.—From Diagram 37 it appears that of the diseases affecting the middle ear, scarlet fever seems to be the only one producing total deafness in a majority of the cases. Catarrh produces chiefly partial deafness. Of the diseases affecting the internal ear, meningitis and brain fever produce chiefly total deafness.

In regard to the unclassified causes, the deafness is chiefly total among the congenital cases and partial among those deaf from old age, military service, or hereditary causes.

More than 80 per cent of those deaf from influenza, catarrh, or colds were only partially deaf, and more than 80 per cent were totally deaf among those deaf from meningitis, brain fever, and among the congenital cases. More than 85 per cent were only partially deaf among those deaf from old age, military service, or hereditary causes.

In Table XLV the deaf are shown by causes of deafness, in relation to sex, race, and nativity of the whites.

DIAGRAM 37.

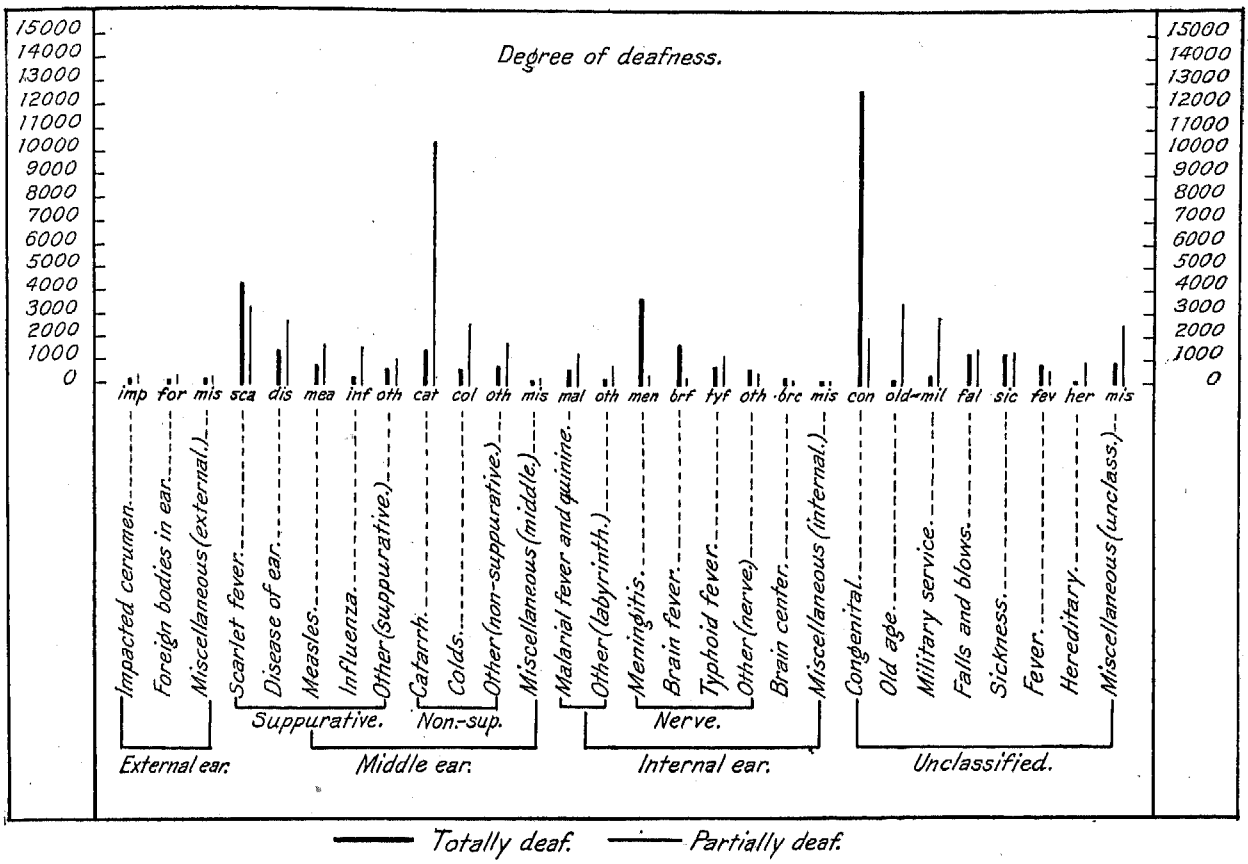


TABLE XLV.—THE DEAF, BY SEX, RACE, NATIVITY OF WHITES, AND CAUSES OF DEAFNESS.

CAUSE OF DEAFNESS.	Total.	SEX.		RACE.		NATIVITY OF WHITES.			COLORED.		
		Male.	Female.	White.	Colored.	Native.	Foreign.	Unknown.	Negro.	Indian.	Mongolian.
All causes	89,287	46,915	42,372	84,361	4,926	69,865	13,786	710	4,649	273	4
[illegible]	47,967	23,979	23,988	46,441	1,526	39,777	6,400	264	1,439	87	.....
[illegible]	31,205	17,720	13,485	28,467	2,738	23,104	5,055	308	2,586	150	2
[illegible]	10,115	5,216	4,899	9,453	662	6,984	2,331	138	624	36	2
Classified:											
External ear	871	546	325	807	64	638	165	4	58	6	.....
Impacted cerumen	357	276	81	340	17	253	85	2	13	4	.....
Foreign bodies in ear	297	157	140	269	28	214	53	2	27	1	.....
Miscellaneous (external ear)	217	113	104	198	19	171	27	.....	18	1	.....
Middle ear	34,801	16,241	18,560	33,968	833	29,033	4,768	167	770	63	.....
Suppurative	17,533	8,133	9,400	17,060	473	14,950	1,994	116	442	31	.....
Scarlet fever	7,424	3,497	3,927	7,329	95	6,389	887	53	89	6	.....
Disease of ear	4,210	2,063	2,147	3,993	217	3,625	345	23	202	15	.....
Measles	2,469	1,098	1,371	2,397	72	2,135	242	20	67	5	.....
Influenza	1,776	762	1,014	1,740	36	1,417	314	9	34	2	.....
Other (suppurative)	1,654	713	941	1,601	53	1,384	206	11	50	3	.....
Nonsuppurative	17,260	8,106	9,154	16,900	360	14,078	2,771	51	328	32	.....
Catarrh	11,702	5,565	6,137	11,568	134	10,047	1,496	25	118	16	.....
Colds	3,074	1,387	1,687	2,967	107	1,954	1,007	6	98	9	.....
Other (nonsuppurative)	2,484	1,154	1,330	2,365	119	2,077	268	20	112	7	.....
Miscellaneous (middle ear)	8	2	6	8	.....	5	3	.....	.....	.....	.....
Internal ear	12,295	7,192	5,103	11,666	629	10,106	1,467	93	611	18	.....
Labyrinth	2,726	1,698	1,028	2,474	252	2,065	402	7	250	2	.....
Malarial fever and quinine	1,636	846	790	1,439	197	1,296	139	4	196	1	.....
Other (labyrinth)	1,090	852	238	1,035	55	769	263	3	54	1	.....
Nerve	9,361	5,371	3,990	8,991	370	7,875	1,030	86	358	12	.....
Meningitis	3,991	2,355	1,636	3,824	167	3,648	118	58	165	2	.....
Brain fever	2,013	1,189	824	1,965	48	1,703	251	11	47	1	.....
Typhoid fever	2,055	1,054	1,001	1,961	94	1,516	432	13	91	3	.....
Other (nerve)	1,302	773	529	1,241	61	1,008	229	4	55	6	.....
Brain center for hearing	129	75	54	124	5	104	20	.....	2	3	.....
Miscellaneous (internal ear)	79	48	31	77	2	62	15	.....	1	1	.....
Unclassified:											
Congenital	14,472	7,668	6,804	12,789	1,683	11,371	1,180	238	1,616	66	1
Old age	3,361	1,727	1,634	3,181	180	2,081	1,094	6	167	13	.....
Military service	3,242	3,231	11	3,130	112	2,517	609	4	109	3	.....
Falls and blows	2,243	1,417	826	2,046	197	1,473	558	15	183	14	.....
Sickness	2,143	1,020	1,123	1,907	236	1,348	543	16	200	35	1
Fever	1,436	764	672	1,318	118	1,087	219	12	111	7	.....
Hereditary	909	429	480	894	15	791	98	5	15	.....	.....
Miscellaneous (unclassified)	3,399	1,464	1,935	3,202	197	2,436	754	12	185	12	.....

Table XLVI shows the approximate percentage of the deaf of each class included in Tables XLII, XLIV, and XLV who lost hearing from the specified causes.

TABLE XLVI.[1]—PER CENT DEAF FROM EACH SPECIFIED CAUSE, BY PERIOD OF LIFE WHEN DEAFNESS OCCURRED, DEGREE OF DEAFNESS, SEX, RACE, DEAF RELATIVES, AND CONSANGUINITY OF PARENTS.

CAUSE OF DEAFNESS.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.		DEGREE OF DEAFNESS.		SEX.		RACE.						DEAF RELATIVES.		CONSANGUINITY OF PARENTS.	
								Total.		White.		Colored.					
		Childhood (under 20).	Adult life (20 and over).	Totally deaf.	Partially deaf.	Male.	Female.	White.	Colored.	Native.	Foreign born.	Negro.	Indian.	a, b, c relatives.	No a, b, c relatives.	Parents cousins.	Parents not cousins.
All causes	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Classified	53	54	54	48	57	51	56	55	30	56	46	30	32	51	57	39	56
Unclassified	34	39	30	45	27	37	31	33	55	33	36	55	55	38	33	53	33
Unknown	11	5	15	6	15	11	11	11	13	9	16	13	13	10	9	6	9
Classified:																	
External ear	0	0	1	0	1	1	0	0	1	0	1	1	2	0	1	0	1
Impacted cerumen	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Foreign bodies in ear	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous (external ear)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Middle ear	38	36	43	27	47	34	43	40	16	41	34	16	23	41	39	30	40
Suppurative	19	25	11	19	19	17	22	20	9	21	14	9	11	17	21	18	20
Scarlet fever	8	13	1	11	6	7	9	8	1	9	6	1	2	6	9	7	8
Disease of ear	4	5	3	3	5	4	5	4	4	5	2	4	5	5	4	5	4
Measles	2	3	1	2	2	2	3	2	1	3	1	1	2	2	3	2	2
Influenza	1	0	3	0	2	1	2	2	0	2	2	0	1	1	2	1	2
Other (suppurative)	1	2	1	1	1	1	2	1	1	1	1	1	1	1	1	2	1
Nonsuppurative	19	10	32	7	27	17	21	20	7	20	20	7	12	24	17	12	20
Catarrh	13	5	24	3	19	11	14	13	2	14	10	2	6	17	11	7	13
Colds	3	1	5	1	4	2	3	3	2	2	7	2	3	3	3	2	3
Other (nonsuppurative)	2	2	2	2	3	2	3	2	2	2	1	2	2	3	2	2	2
Miscellaneous (middle ear)	0	0	0	0	0	0	0	0	.....	0	0	.....	.....	0	0	.....	0
Internal ear	13	17	9	20	8	15	12	13	12	14	10	13	6	8	17	8	14
[illegible]	3	1	4	1	3	3	2	2	5	2	2	5	1	2	3	2	3
[illegible]	1	1	2	1	2	1	1	1	4	1	1	4	0	1	1	1	1
Other (labyrinth)	1	0	2	0	1	1	0	1	1	1	1	1	0	1	1	0	1
Nerve	10	15	4	18	4	11	9	10	7	11	7	7	4	5	13	6	11
Meningitis	4	7	0	9	0	5	3	4	3	5	0	3	1	1	6	2	4
Brain fever	2	3	0	4	0	2	1	2	0	2	1	1	0	0	3	1	2
Typhoid fever	2	2	2	2	2	2	2	2	1	2	3	1	1	1	2	1	2
Other (nerve)	1	1	1	1	1	1	1	1	1	1	1	1	2	0	1	1	1
Brain center for hearing	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Miscellaneous (internal ear)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.....	0
Unclassified:																	
Congenital	16	28	.....	33	3	16	16	15	34	16	8	34	24	23	13	42	14
Old age	3	.....	9	0	6	3	3	3	3	2	7	3	5	1	3	0	3
Military service	3	0	7	1	5	6	0	3	2	3	4	2	1	2	4	1	3
Falls and blows	2	3	1	2	2	3	1	2	4	2	4	3	5	1	2	2	2
Sickness	2	2	1	2	2	2	2	2	4	1	3	4	13	1	2	1	2
Fever	1	2	1	2	1	1	1	1	2	1	1	2	2	1	1	1	1
Hereditary	1	0	1	0	1	0	1	1	0	1	0	0	.....	3	0	1	1
Miscellaneous (unclassified)	3	2	6	2	4	3	4	3	4	3	5	4	4	3	4	2	3

[1] In this table the cipher "0" indicates less than 1 per cent; the figure "1" indicates 1 and less than 2 per cent; the figure "2," 2 and less than 3 per cent, etc.

Period of life when deafness occurred.—Table XLVI shows that the percentage deaf from suppurative affections of the middle ear is more than twice as great among the deaf from childhood as among the deaf from adult life, and the proportion deaf from affections of the auditory nerve more than three times as great.

On the other hand, the proportion deaf from nonsuppurative or catarrhal affections of the middle ear is more than three times as great among the deaf from adult life as among those deaf from childhood.

Degree of deafness.—The percentage congenitally deaf is eleven times as great among the totally as among the partially deaf, and the proportion deaf from affections of the auditory nerve more than four times as great. On the other hand, the percentage deaf from nonsuppurative or catarrhal affections of the middle ear is nearly four times as great among the partially as among the totally deaf.

Sex.—The percentage deaf from affections of the internal ear is greater among males than females, and the proportion deaf from affections of the middle ear greater among females than males. The proportion born deaf and deaf from old age is about the same in either case. Military service and falls and blows are of course responsible for a greater proportion of cases among the males than the females.

Race.—The percentage deaf from affections of the middle ear is more than twice as great among the whites as among the colored. In the case of scarlet fever, eight times as great. On the other hand, the proportion deaf from malarial fever and quinine is four times as great among the colored as among the whites; and the proportion born deaf more than twice as great.

Nativity of whites.—The percentage deaf from the specified causes are larger among the native whites than the foreign born excepting in the case of colds,

typhoid fever, old age, military service, falls and blows, and sickness. An extremely small percentage of the foreign born lost hearing from meningitis.

Colored races.—The proportion born deaf and deaf from affections of the internal ear is greater among the negroes than among the Indians; and the proportion deaf from affections of the middle ear, old age, falls and blows, and indefinite "sickness" greater among the Indians than the negroes. More than 4 per cent of the negroes lost hearing from malarial fever and quinine, and less than 1 per cent of the Indians.

Deaf relatives.—The percentage born deaf and deaf from disease of ear, catarrh, and from "hereditary" causes is greater among those who have deaf relatives than among those who have not; and the percentage deaf from meningitis, brain fever, typhoid fever, old age, military service, falls and blows, and sickness is less.

Consanguinity of parents.—The most striking feature seems to be the large proportion congenitally deaf among those whose parents were cousins. The percentage congenitally deaf is nearly three times as great among those whose parents were cousins as among those whose parents were not; the percentage deaf from disease of ear is also larger, but only slightly. The percentage deaf from scarlet fever is less, but not to any great extent; and the percentage deaf from catarrh, though considerably less, is sufficiently great to give catarrh prominence among the assigned causes of deafness, both where the parents were cousins and where they were not.

Meningitis, old age, and military service are not at all prominent where the parents were cousins, but moderately so where they were not.

Out of a total of 89,287 deaf, 4,065, 4.5 per cent of the total or 5.1 per cent of those answering, reported that their parents were cousins; 75,530, 84.6 per cent of the total or 94.9 per cent of those answering, reported that their parents were not cousins; and in 9,692 cases, or 10.9 per cent of the whole, the question was not answered. Therefore at least 4.5 per cent of the deaf are the offspring of cousin-marriages.

Table XLVII shows the age and period of life when deafness occurred, the degree of deafness, and the deaf having deaf relatives, by consanguinity of parents, with the percentages resulting.

TABLE XLVII.—NUMBER AND PER CENT OF DEAF, BY AGE WHEN DEAFNESS OCCURRED, DEGREE OF DEAFNESS, DEAF RELATIVES, AND CONSANGUINITY OF PARENTS.

AGE OR PERIOD OF LIFE WHEN DEAFNESS OCCURRED, DEGREE OF DEAFNESS, AND DEAF RELATIVES.	Total.	CONSANGUINITY OF PARENTS.			PER CENT OF TOTAL.			PER CENT OF EACH CLASS.	
		Parents cousins.	Parents not cousins.	Not stated.	Parents cousins.	Parents not cousins.	Not stated.	Parents cousins.	Parents not cousins.
Total	89,287	4,065	75,530	9,692	4.5	84.6	10.9	100.0	100.0
Period of life when deafness occurred:									
Childhood (under 20)	50,296	3,276	43,187	3,833	6.5	85.9	7.6	80.6	57.2
Adult life (20 and over)	35,924	725	30,731	4,468	2.0	85.6	12.4	17.8	40.7
Unknown	3,067	64	1,612	1,391	2.1	52.6	45.3	1.6	2.1
Degree of deafness:									
Totally deaf	37,426	2,525	31,560	3,341	6.8	84.3	8.9	62.1	41.8
Partially deaf	51,861	1,540	43,970	6,351	3.0	84.8	12.2	37.9	58.2
Deaf relatives:[1]									
a or *b* relatives	25,851	2,171	22,552	1,128	8.4	87.2	4.4	53.4	29.9
No *a* or *b* relatives	54,630	1,740	51,087	1,803	3.2	93.5	3.3	42.8	67.6
Not stated	8,806	154	1,891	6,761	1.7	21.5	76.8	3.8	2.5
Age when deafness occurred:									
Unknown	3,067	64	1,612	1,391	2.1	52.6	45.3	1.6	2.1
Indefinitely stated	4,630	115	3,333	1,182	2.5	72.0	25.5	2.8	4.4
Definitely stated	81,590	3,886	70,585	7,119	4.8	86.5	8.7	95.6	93.5
Birth	14,474	1,710	11,324	1,440	11.8	78.2	10.0	42.1	15.0
After birth, under 2	7,396	429	6,598	369	5.8	89.2	5.0	10.5	8.7
2 and under 5	10,536	509	9,423	604	4.8	89.5	5.7	12.5	12.5
Under 5	32,406	2,648	27,345	2,413	8.2	84.4	7.4	65.1	36.2
5 and under 10	7,018	248	6,306	464	3.5	89.9	6.6	6.1	8.3
10 and under 15	4,464	161	3,995	308	3.6	89.5	6.9	4.0	5.3
15 and under 20	4,061	130	3,672	259	3.2	90.4	6.4	3.2	4.9
Under 20	47,949	3,187	41,318	3,444	6.6	86.2	7.2	78.4	54.7
20 and under 40	16,588	382	14,856	1,350	2.3	89.6	8.1	9.4	19.7
40 and under 60	9,437	200	8,176	1,061	2.1	86.6	11.3	4.9	10.8
60 and under 80	6,595	105	5,427	1,063	1.6	82.3	16.1	2.6	7.2
80 and over	1,021	12	808	201	1.2	79.1	19.7	0.3	1.1

[1] Symbols employed—*a*, deaf brothers, sisters, or ancestors; *b*, deaf uncles, aunts, cousins, or other relatives not *a*, *c*, or *d*; *c*, deaf children (sons or daughters); *d*, deaf husbands or wives.

In the case of the deaf from birth the proportion whose parents were cousins is more than twice as great as when all the deaf are considered, 11.8 per cent of the deaf from birth being the children of cousins and 4.5 per cent of the whole of the deaf.

These would be the true percentages on the usual assumption that the ratios in "not stated" cases are substantially the same as in the cases stated, but in the present instance there is some reason for supposing that they may be different.

Some people are sensitive to questions concerning consanguinity in marriage, especially where defective offspring have appeared, and in such cases nonreply would be an easy means of evading the question. It may be possible, therefore, that the proportion having parents cousins may be larger among the "not stated" than the stated cases. However this may be, and whatever interpretation be put upon cases of nonreply, it is obvious that the true percentages, both in the case of parents cousins and parents not cousins, are greater than those noted in the tables, for the reason already given, viz, that these percentages are based upon totals that include the "not stated" cases.

It also appears that the percentage having parents cousins is greater among the deaf from childhood than the deaf from adult life; greater among the totally deaf than the partially deaf; and greater among those having *a* or *b* deaf relatives than among those who have not (*a* relatives are brothers, sisters, or ancestors; *b* relatives are uncles, aunts, cousins, or other relatives not *a*, *c*, or *d*; *c* relatives are sons or daughters; and *d* relatives are husbands or wives).

The percentage "not stated" is larger among the deaf from adult life than the deaf from childhood; and, in the case of the deaf from adult life, seems to be proportionally larger the more advanced the age when deafness occurred. This increase is accompanied by a corresponding decrease in the percentage having parents not cousins. The reason for this is not obvious.

Of those whose parents were cousins, 42.1 per cent were deaf from birth, and only 15 per cent of those whose parents were not cousins. It thus appears that the percentage deaf from birth is nearly three times as great (2.8) among the deaf whose parents were cousins as among those whose parents were not.

Of the deaf whose parents were cousins, 53.4 per cent, and of those whose parents were not, 29.9 per cent, have other members of their families deaf (*a* or *b* relatives). It thus appears that the percentage having *a* or *b* deaf relatives is nearly twice as great (1.8) among those whose parents are cousins as among those whose parents are not.

The converse fact also appears, viz, that the percentage having parents cousins is more than twice as great (2.6) among those who have *a* or *b* deaf relatives as among those who have not (relatives, 8.4 per cent; no relatives, 3.2).

Table XLVIII shows the number of deaf from the principal assigned causes, by consanguinity of parents, with the percentages resulting.

TABLE XLVIII.—NUMBER AND PER CENT DEAF FROM PRINCIPAL CAUSES, BY CONSANGUINITY OF PARENTS.

CAUSE OF DEAFNESS.	Total.	CONSANGUINITY OF PARENTS.			PER CENT.		
		Parents cousins.	Parents not cousins.	Not stated.	Parents cousins.	Parents not cousins.	Not stated.
Total	89,287	4,065	75,530	9,692	4.5	84.6	10.9
Causes of deafness:							
Affections of external ear	871	29	760	82	3.3	87.3	9.4
Affections of middle ear	34,801	1,238	30,824	2,739	3.5	88.6	7.9
Affections of internal ear	12,295	343	11,121	831	2.8	90.4	6.8
Unclassified	31,205	2,183	25,281	3,741	7.0	81.0	12.0
Unknown	10,115	272	7,544	2,299	2.7	74.6	22.7
Principal assigned causes:							
Scarlet fever	7,424	285	6,647	492	3.9	89.5	6.6
Disease of ear	4,210	222	3,683	305	5.3	87.5	7.2
Measles	2,469	101	2,194	174	4.1	88.9	7.0
Influenza	1,776	45	1,524	207	2.5	85.8	11.7
Catarrh	11,702	304	10,450	948	2.6	89.3	8.1
Colds	3,074	81	2,666	327	2.6	86.7	10.7
Malarial fever and quinine	1,636	67	1,427	142	4.1	87.2	8.7
Meningitis	3,991	83	3,741	167	2.1	93.7	4.2
Brain fever	2,013	59	1,859	95	2.9	92.4	4.7
Typhoid fever	2,055	60	1,839	156	2.9	89.5	7.6
Congenital	14,472	1,710	11,322	1,440	11.8	78.2	10.0
Old age	3,361	38	2,369	954	1.1	70.5	28.4
Military service	3,242	40	2,897	305	1.2	89.4	9.4
Falls and blows	2,243	95	1,933	215	4.2	86.2	9.6
Sickness	2,143	80	1,786	277	3.7	83.4	12.9
Fever	1,436	62	1,257	117	4.3	87.5	8.2
Hereditary	909	57	799	53	6.3	87.9	5.8

Table XLVIII shows that of the deaf whose parents were cousins, the assigned causes to which the largest percentages are attributed are the congenital and hereditary causes and disease of ear.

Deaf relatives.—Out of a total of 89,287 deaf, 29,716, or 33.3 per cent, had deaf relatives; 50,765, or 56.8 per cent, had not; and in 8,806, or 9.9 per cent, the question relating to deaf relatives remained unanswered (Table 3). It thus appears that one-third of the deaf population of the United States have other members of their families deaf.

Where only one member of a family is deaf, there

is nothing to indicate any inherited predisposition toward deafness in the individual considered; sporadic deafness may be purely adventitious and accidental. But where two or more members of the same family are deaf, it is a little less likely that the deafness is accidental. It is more probable that in many, if not in most, cases heredity has played a part in the production of the deafness; in which case we should look up to the common ancestor of the deaf persons for the initiating cause.

Where a tendency toward ear trouble exists in a family, it may lie dormant and unsuspected until some serious illness attacks a member of the family, when the weak spot is revealed and deafness is produced. We are not all built like that wonderful one-horse shay that was so perfectly made in all its parts that when at last it broke down it crumbled into dust. When an accident occurs, it is the weak part that gives way, and it would be incorrect to attribute the damage to the accident alone and ignore the weakness of the part; both undoubtedly are contributing causes.

In the case, then, of a deaf person who has deaf relatives the assigned cause of deafness may not be the only cause involved, or indeed the true cause at all. It may be the cause simply in the same sense that the pulling of a trigger is the cause of the expulsion of a bullet from a rifle, or a spark the cause of the explosion of a gunpowder magazine; hereditary influences may be involved.

In considering the subject of deaf relatives it seems advisable to distinguish blood relatives from persons who are relatives simply by marriage; and relatives in the direct line, from collateral or distant relatives.

In the present report four kinds of deaf relatives are distinguished, which for convenience of reference are designated by the letters *a*, *b*, *c*, and *d*: *a*, brothers, sisters, or ancestors (direct line); *b*, uncles, aunts, cousins, and other relatives not *a*, *c*, or *d* (collateral); *c*, sons or daughters (descendants); *d*, husbands or wives (relatives by marriage).

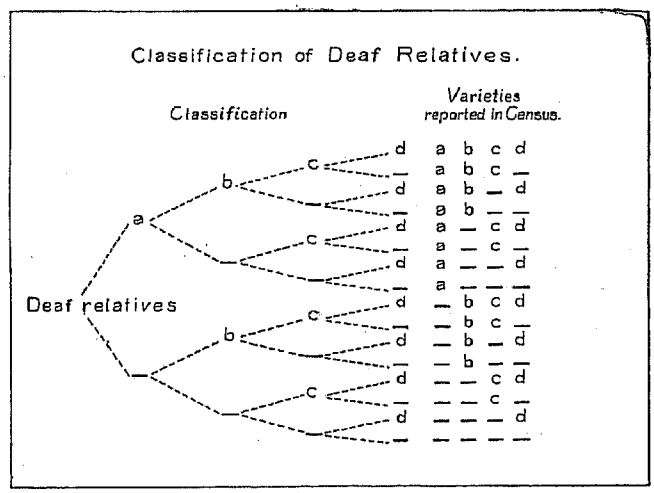
The attempt to distinguish blood relatives from persons who are relatives by marriage only has not been entirely successful, for many of the uncles and aunts contained in the *b* class may be relatives by marriage alone.

Some of the deaf have *a* relatives, others have *b* relatives, etc., and still others have both *a* and *b* relatives, as well, perhaps, as relatives belonging to the *c* and *d* classes. It therefore becomes necessary to effect a classification of deaf relatives so as to distinguish in the tables the various combinations; for it is obvious that if (without some special arrangement or understanding in this matter) we should add together the totals having *a*, *b*, *c*, or *d* relatives, the summation would exceed the aggregate. For example, the total number reported as having deaf relatives is 29,716 (Table 3). Of these, 21,660 had *a* relatives deaf, 8,308 had *b* relatives deaf, 677 had *c* relatives deaf, and 5,051 had *d* relatives deaf. The summation is 35,696, which exceeds the aggregate by 5,980. This, of course, results from the fact that some of those having *a* relatives had also *b* or *c* or *d* relatives, etc. In former censuses, in which deaf relatives were divided into smaller groups and more of them, the discrepancy between the summation and the aggregate was so great as to render it exceedingly difficult to draw broad conclusions from the statistics.

In the present report only four kinds of relatives are considered, giving the advantage of larger numbers with which to deal; and a plan of classification has been adopted which enables us to safely add the varieties together without duplication, thus facilitating researches relating to deaf relatives.

Classes.—In classifying deaf relatives we may begin by dividing the deaf into two classes—those who have *a* relatives and those who have not (Diagram 38).

Diagram 38.



Broad groups.—Each of these classes may then be divided into two broad groups (comparable to genera)—those who have *b* relatives and those who have not.

Subgroups.—Each of these groups may then be divided into two subgroups (comparable to species)—those who have *c* relatives and those who have not.

Varieties.—Each of these subgroups may be still further subdivided into two varieties—those who have *d* relatives and those who have not.

It will be noticed that the census returns include all possible combinations of *a*, *b*, *c*, and *d*. Diagram 38 exhibits the whole scheme of classification after the manner of a genealogical chart, with the combinations

of *a*, *b*, *c*, and *d* relatives reported in the census arranged in accordance with the classification.

Tables XLIX and L relate to the deaf who have deaf relatives, arranging them into classes, broad groups, subgroups, and varieties in accordance with the classification.

Table XLIX shows the number of the deaf having deaf relatives of the specified classes, by period of life when deafness occurred, degree of deafness, sex, consanguinity of parents, and sex of the married deaf, and is illustrated by Diagram 39.

Table L shows the number of the deaf having deaf relatives of the specified classes, by age or period of life when deafness occurred.

Diagram 39.

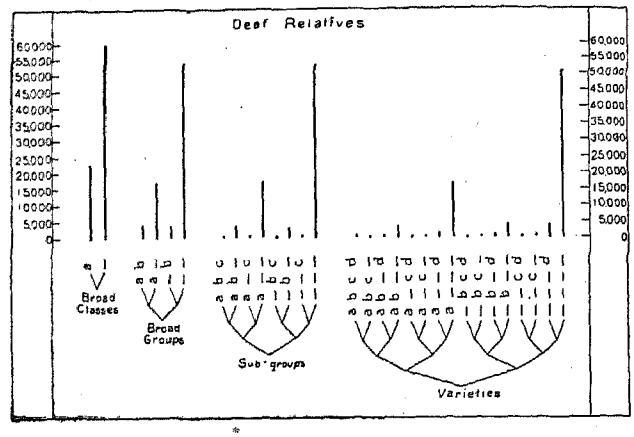


TABLE XLIX.—THE DEAF BY DEAF RELATIVES (*a*, *b*, *c*, OR *d*),[1] PERIOD OF LIFE WHEN DEAFNESS OCCURRED, DEGREE OF DEAFNESS, SEX, CONSANGUINITY OF PARENTS, AND SEX OF MARRIED DEAF.

CLASS OF DEAF RELATIVES.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.			DEGREE OF DEAFNESS.		SEX.		CONSANGUINITY OF PARENTS.			THE MARRIED DEAF.		
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Totally deaf.	Partially deaf.	Male.	Female.	Parents cousins.	Parents not cousins.	Not stated.	Total.	Male.	Female.
Total	89,287	50,296	35,924	3,067	37,426	51,861	46,915	42,372	4,065	75,530	9,692	34,206	19,746	14,460
Deaf relatives:														
Not stated	8,806	3,049	4,356	1,401	2,646	6,160	4,251	4,555	154	1,891	6,761	2,872	1,655	1,217
Stated	80,481	47,247	31,568	1,666	34,780	45,701	42,664	37,817	3,911	73,639	2,931	31,334	18,091	13,243
Stated:														
a relatives	21,660	11,783	9,520	357	8,170	13,490	10,669	10,991	1,850	18,838	972	9,308	5,027	4,281
No *a* relatives	58,821	35,464	22,048	1,309	26,610	32,211	31,995	26,826	2,061	54,801	1,959	22,026	13,064	8,962
a or *b* relatives	25,851	14,481	10,946	424	10,033	15,818	12,834	13,017	2,171	22,552	1,128	10,888	5,876	5,012
a b	4,117	2,352	1,704	61	1,499	2,618	1,947	2,170	412	3,587	118	1,764	919	845
a —	17,543	9,431	7,816	296	6,671	10,872	8,722	8,821	1,438	15,251	854	7,544	4,108	3,436
— *b*	4,191	2,698	1,426	67	1,863	2,328	2,165	2,026	321	3,714	156	1,580	849	731
No *a* or *b* relatives	54,630	32,766	20,622	1,242	24,747	29,883	29,830	24,800	1,740	51,087	1,803	20,446	12,215	8,231
a, *b*, or *c* relatives	26,221	14,614	11,167	440	10,152	16,069	13,011	13,210	2,181	22,879	1,161	11,116	6,009	5,107
a b c	71	42	29	.....	33	38	36	35	5	65	1	52	31	21
a b —	4,046	2,310	1,675	61	1,466	2,580	1,911	2,135	407	3,522	117	1,712	888	824
a — *c*	198	92	103	3	80	118	92	106	16	171	11	137	76	61
a — —	17,345	9,339	7,713	293	6,591	10,754	8,630	8,715	1,422	15,080	843	7,407	4,032	3,375
— *b c*	38	15	23	.....	14	24	14	24	.....	36	2	20	10	10
— *b* —	4,153	2,683	1,403	67	1,849	2,304	2,151	2,002	321	3,678	154	1,560	839	721
— — *c*	370	133	221	16	119	251	177	193	10	327	33	228	133	95
No *a*, *b*, or *c* relatives	54,260	32,633	20,401	1,226	24,628	29,632	29,653	24,607	1,730	50,760	1,770	20,218	12,082	8,136
a, *b*, *c*, or *d* relatives	29,716	17,681	11,523	512	13,039	16,677	14,771	14,945	2,285	26,088	1,343	14,558	7,750	6,808
a b c d	23	20	3	.....	20	3	16	7	3	19	1	23	16	7
a b c —	48	22	26	.....	13	35	20	28	2	46	.....	29	15	14
a b — *d*	221	201	16	4	185	36	111	110	24	187	10	219	110	109
a b — —	3,825	2,109	1,659	57	1,281	2,544	1,800	2,025	383	3,335	107	1,493	778	715
a — *c d*	54	51	2	1	48	6	26	28	8	43	3	53	25	28
a — *c* —	144	41	101	2	32	112	66	78	8	128	8	84	51	33
a — — *d*	930	829	88	13	766	164	453	477	111	775	44	914	450	464
a — — —	16,415	8,510	7,625	280	5,825	10,590	8,177	8,238	1,311	14,305	799	6,493	3,582	2,911
— *b c d*	8	8	.....	.....	7	1	2	6	.....	7	1	6	2	4
— *b c* —	30	7	23	.....	7	23	12	18	.....	29	1	14	8	6
— *b* — *d*	241	223	14	4	212	29	127	114	13	219	9	231	121	110
— *b* — —	3,912	2,460	1,389	63	1,637	2,275	2,024	1,888	308	3,459	145	1,329	718	611
— — *c d*	79	72	7	.....	66	13	37	42	2	72	5	77	36	41
— — *c* —	291	61	214	16	53	238	140	151	8	255	28	151	97	54
— — — *d*	3,495	3,067	356	72	2,887	608	1,760	1,735	104	3,209	182	3,442	1,741	1,701
No *a*, *b*, *c*, or *d* relatives	50,765	29,566	20,045	1,154	21,741	29,024	27,893	22,872	1,626	47,551	1,588	16,776	10,341	6,435

[1] Symbols employed—*a*, deaf brothers, sisters, or ancestors; *b*, deaf uncles, aunts, cousins, or other relatives not *a*, *c*, or *d*; *c*, deaf children (sons or daughters); *d*, deaf husbands or wives.

TABLE L.—THE DEAF BY DEAF RELATIVES (*a*, *b*, *c*, OR *d*),[1] AND AGE WHEN DEAFNESS OCCURRED.

CLASS OF DEAF RELATIVES.	Total.	AGE WHEN DEAFNESS OCCURRED.			AGE WHEN DEAFNESS OCCURRED.											
		Definitely stated.	Indefinitely stated.	Unknown.	Birth.	After birth, under 2.	2 and under 5.	Under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.
Total	89,287	81,590	4,630	3,067	14,474	7,396	10,536	32,406	7,018	4,464	4,061	47,949	16,588	9,437	6,595	1,021
Deaf relatives:																
Not stated	8,806	6,199	1,206	1,401	1,044	298	485	1,827	367	262	218	2,674	1,201	966	1,141	217
Stated	80,481	75,391	3,424	1,666	13,430	7,098	10,051	30,579	6,651	4,202	3,843	45,275	15,387	8,471	5,454	804
Stated:																
a relatives	21,660	20,451	852	357	5,295	961	1,341	7,597	1,123	1,227	1,315	11,262	5,256	2,633	1,198	102
No *a* relatives	58,821	54,940	2,572	1,309	8,135	6,137	8,710	22,982	5,528	2,975	2,528	34,013	10,131	5,838	4,256	702
a or *b* relatives	25,851	24,411	1,016	424	6,116	1,378	1,873	9,367	1,451	1,457	1,569	13,844	6,111	3,003	1,340	113
a *b*	4,117	3,904	152	61	1,021	160	243	1,424	212	305	320	2,261	1,086	438	111	8
a —	17,543	16,547	700	296	4,274	801	1,098	6,173	911	922	995	9,001	4,170	2,195	1,087	94
— *b*	4,191	3,960	164	67	821	417	532	1,770	328	230	254	2,582	855	370	142	11
No *a* or *b* relatives	54,630	50,980	2,408	1,242	7,314	5,720	8,178	21,212	5,200	2,745	2,274	31,431	9,276	5,468	4,114	661
a, *b*, or *c* relatives	26,221	24,749	1,032	440	6,155	1,397	1,902	9,454	1,467	1,469	1,584	13,974	6,210	3,060	1,388	117
a *b* *c*	71	70	1	.....	16	3	3	22	5	3	11	41	20	9	.....	.....
a *b* —	4,046	3,834	151	61	1,005	157	240	1,402	207	302	309	2,220	1,066	429	111	8
a — *c*	198	190	5	3	52	5	7	64	9	9	10	92	61	26	11	.....
a — —	17,345	16,357	695	293	4,222	796	1,091	6,109	902	913	985	8,909	4,109	2,169	1,076	94
— *b* *c*	38	36	2	.....	4	1	3	8	2	3	1	14	10	8	4	.....
— *b* —	4,153	3,924	162	67	817	416	529	1,762	326	227	253	2,568	845	362	138	11
— — *c*	370	338	16	16	39	19	29	87	16	12	15	130	99	57	48	4
No *a*, *b*, or *c* relatives	54,260	50,642	2,392	1,226	7,275	5,701	8,149	21,125	5,184	2,733	2,259	31,301	9,177	5,411	4,066	687
a, *b*, *c*, or *d* relatives	29,716	28,087	1,117	512	6,621	1,948	3,143	11,712	2,051	1,606	1,626	16,995	6,311	3,161	1,494	126
a *b* *c* *d*	23	22	1	.....	12	3	3	18	1	.....	.....	19	3	.....	.....	.....
a *b* *c* —	48	48	.....	.....	4	.....	.....	4	4	3	11	22	17	9	.....	.....
a *b* — *d*	221	217	.....	4	122	27	28	177	17	5	2	201	11	4	1	.....
a *b* — —	3,825	3,617	151	57	883	130	212	1,225	190	297	307	2,019	1,055	425	110	8
a — *c* *d*	54	53	.....	1	37	4	4	45	4	1	1	51	2	.....	.....	.....
a — *c* —	144	137	5	2	15	1	3	19	5	8	9	41	59	26	11	.....
a — — *d*	930	889	28	13	468	87	157	712	73	15	6	806	36	28	18	1
a — — —	16,415	15,468	667	280	3,754	709	934	5,397	829	898	979	8,103	4,073	2,141	1,058	93
— *b* *c* *d*	8	8	.....	.....	3	1	3	7	1	.....	.....	8	.....	.....	.....	.....
— *b* *c* —	30	28	2	.....	1	.....	.....	1	1	3	1	6	10	8	4	.....
— *b* — *d*	241	233	4	4	50	48	75	173	36	10	1	220	6	3	4	.....
— *b* — —	3,912	3,691	158	63	767	368	454	1,589	290	217	252	2,348	839	359	134	11
— — *c* *d*	79	77	2	.....	25	16	21	62	5	2	1	70	5	1	1	.....
— — *c* —	291	261	14	16	14	3	8	25	11	10	14	60	94	56	47	4
— — — *d*	3,495	3,338	85	72	466	551	1,241	2,258	584	137	42	3,021	101	101	106	9
No *a*, *b*, *c*, or *d* relatives	50,765	47,304	2,307	1,154	6,809	5,150	6,908	18,867	4,600	2,596	2,217	28,280	9,076	5,310	3,960	678

[1] Symbols employed—*a*, deaf brothers, sisters, or ancestors; *b*, deaf uncles, aunts, cousins, or other relatives not *a*, *c*, or *d*; *c*, deaf children (sons or daughters); *d*, deaf husbands or wives.

Broad classes.—The primary division is into two broad classes, "*a* relatives" and "no *a* relatives."

The first class (*a*) consists of deaf persons who have deaf brothers, sisters, or ancestors.

The second class (—) consists of those who have no deaf brothers, sisters, or ancestors.

a .....*a* relatives.
— .....No *a* relatives.

Broad groups.—Two divisions, "*a* or *b* relatives" and "no *a* or *b* relatives."

The first division consists of deaf persons who have (*a*) deaf brothers, sisters, or ancestors; or (*b*) deaf uncles, aunts, cousins, or other more distant relatives (not *a*, *c*, or *d*).

The second division consists of (— —) those who have neither *a* nor *b* relatives.

a or *b* relatives:
a *b*.....both *a* and *b*.
a — ....*a* but not *b*.
— *b*.....*b* but not *a*.
No *a* or *b* relatives:
— —.....neither *a* nor *b*.

Subgroups.—Two divisions, "*a*, *b*, or *c* relatives" and "no *a*, *b*, or *c* relatives."

The first division consists of deaf persons who have (*a*) deaf brothers, sisters, or ancestors; (*b*) deaf uncles, aunts, cousins, or other more distant relatives (not *a*, *c*, or *d*); or (*c*) deaf children (sons or daughters).

The second division consists of (— — —) those who have neither *a*, *b*, nor *c* deaf relatives.

a, *b*, or *c* relatives:
a *b* *c*.....*a*, *b*, and *c*.
a *b* —.....*a* and *b* but not *c*.
a — *c*.....*a* and *c* but not *b*.
a — —.....*a* but not *b* or *c*.
— *b* *c*.....*b* and *c* but not *a*.
— *b* —.....*b* but not *a* or *c*.
— — *c*.....*c* but not *a* or *b*.
No *a*, *b*, or *c* relatives:
— — —..neither *a*, *b*, nor *c*.

Varieties.—Two divisions, "*a*, *b*, *c*, or *d* relatives" and "no *a*, *b*, *c*, or *d* relatives."

The first division consists of deaf persons who have (*a*) deaf brothers, sisters, or ancestors; (*b*) deaf uncles, aunts, cousins, or other more distant relatives (not *a*, *c*, or *d*); (*c*) deaf children (sons or daughters); or (*d*) deaf husbands or wives.

The second division consists of (— — — —) those who have neither *a*, *b*, *c*, nor *d* deaf relatives.

a, *b*, *c*, or *d* relatives:

a b c d.....*a*, *b*, *c*, and *d*.
a b c —....*a*, *b*, *c*, but not *d*.
a b — *d*.....*a*, *b*, *d*, but not *c*.
a b — —....*a*, *b*, but not *c*, *d*.
a — *c d*.....*a*, *c*, *d*, but not *b*.
a — *c* —....*a*, *c*, but not *b*, *d*.
a — — *d*.....*a*, *d*, but not *b*, *c*.
a — — —....*a* but not *b*, *c*, *d*.
— *b c d*.....*b*, *c*, *d*, but not *a*.
— *b c* —....*b*, *c*, but not *a*, *d*.
— *b* — *d*.....*b*, *d*, but not *a*, *c*.
— *b* — —....*b* but not *a*, *c*, *d*.
— — *c d*.....*c*, *d*, but not *a*, *b*.
— — *c* —....*c* but not *a*, *b*, *d*.
— — — *d*.....*d* but not *a*, *b*, *c*.

No *a*, *b*, *c*, or *d* relatives:

— — — —....neither *a*, *b*, *c*, nor *d*.

The 16 varieties shown can be added together in any way that may be desired without duplication of the persons referred to.

As an illustration of the method of handling deaf relatives symbolically, take a case from Table XLIX.

Suppose we desire to ascertain the number of deaf persons reported to have deaf children; we simply add together all the varieties containing the letter *c* (the symbol for deaf sons or daughters). The summation of the varieties containing the letter *d* will give us the number having deaf husbands or wives. The varieties containing the combination *c d* will give us those who have both *c* and *d* relatives; and — *d* will give us *d* relatives without *c*.

ILLUSTRATION.

a b c d			*a b c d*
a b c —			*a b* — *d*
a — *c d*			*a* — *c d*
a — *c* —			*a* — — *d*
— *b c d*	*a b c d*	*a b* — *d*	— *b c d*
— *b c* —	*a* — *c d*	*a* — — *d*	— *b* — *d*
— — *c d*	— *b c d*	— *b* — *d*	— — *c d*
— — *c* —	— — *c d*	— — — *d*	— — — *d*
c	*c d*	— *d*	*d*

INTERPRETATION.

c...The total number having deaf children (sons or daughters).
c d...Number having deaf children and deaf husbands or wives.
— *d*...Number having deaf husbands or wives but not deaf children.
d...The total number having deaf husbands or wives.

The importance will be noted of (—), a positive sign for a negative fact; *d* means a different thing from — *d*.

a or b relatives.—From Table XLIX it appears that out of a total of 89,287 deaf persons 80,481 answered the questions relating to deaf relatives and 8,806 did not. The percentages given in Table LI are based upon the "stated cases."

TABLE LI.—THE PER CENT OF THE DEAF HAVING DEAF RELATIVES (*a* OR *b*), SHOWN FOR THE DEAF CLASSIFIED BY PERIOD OF LIFE WHEN DEAFNESS OCCURRED, DEGREE OF DEAFNESS, SEX, CONSANGUINITY OF PARENTS, AND SEX OF MARRIED DEAF.

CLASS OF DEAF RELATIVES.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.		DEGREE OF DEAFNESS.		SEX.		CONSANGUINITY OF PARENTS.		THE MARRIED DEAF.		
		Childhood (under 20).	Adult life (20 and over).	Totally deaf.	Partially deaf.	Male.	Female.	Parents cousins.	Parents not cousins.	Total.	Male.	Female.
Deaf relatives:												
Stated	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
a	26.9	25.0	30.2	23.5	29.5	25.0	29.0	47.3	25.5	29.7	27.8	32.3
—	73.1	75.0	69.8	76.5	70.5	75.0	71.0	52.7	74.5	70.3	72.2	67.7
(*a* or *b*)	32.1	30.7	34.7	28.8	34.6	30.1	34.4	55.5	30.6	34.7	32.5	37.8
a b	5.1	5.0	5.4	4.3	5.7	4.6	5.7	10.5	4.8	5.6	5.1	6.4
a —	21.8	20.0	24.8	19.2	23.8	20.4	23.3	36.8	20.7	24.1	22.7	25.9
— *b*	5.2	5.7	4.5	5.3	5.1	5.1	5.4	8.2	5.1	5.0	4.7	5.5
— —	67.9	69.3	65.3	71.2	65.4	69.9	65.6	44.5	69.4	65.3	67.5	62.2

Nearly one-third of the deaf, 32.1 per cent, are reported as having deaf relatives (*a* or *b*). That is, they had deaf brothers, sisters, ancestors, or deaf uncles, aunts, cousins, or more distant relatives.

Table LI shows that the proportion having deaf relatives (*a* or *b*) is greater among the deaf from adult life than among the deaf from childhood, and greater among the partially deaf than the totally deaf. It is also greater among females than males. It is greatest of all among deaf persons whose parents were cousins (parents cousins, 55.5 per cent; not cousins, 30.6 per cent).

In the case of the deaf from birth (Table L) 45.5 per cent had deaf relatives (*a* or *b*); so that it seems strange that the proportion having deaf relatives should be smaller among the deaf from childhood (which includes the deaf from birth) than among those who became deaf in adult life. This means, of course, that the percentage having deaf relatives must be still smaller among the noncongenitally deaf from childhood. If we limit our inquiry to the deaf from early childhood (under 5), all of whom belong naturally to the class deaf and dumb, we find that even in their case the proportion having deaf relatives

is smaller than in the case of the deaf from adult life. From Table L it appears that 9,367 persons who became deaf before reaching the age of 5 had *a* or *b* deaf relatives; and these constitute 30.6 per cent of the stated cases, whereas 34.7 per cent of the deaf from adult life had deaf relatives (*a* or *b*) (Table LI).

Of the 9,367 cases referred to above 6,116 were deaf from birth and 3,251 became deaf after birth and before reaching the age of 5 (Table L). Thus 45.5 per cent of the deaf from birth, 18.9 per cent of the noncongenitally deaf from early childhood (under 5), and 34.7 per cent of the deaf from adult life had *a* or *b* deaf relatives.

These figures are very striking, and seem to indicate that heredity has played a part in the production of congenital deafness, and also of deafness occurring in adult life (caused principally by catarrh); whereas deafness occurring in early childhood after birth and under the age of 5 (due principally to scarlet fever, meningitis, and brain fever) is probably adventitious in a large proportion of cases—the sporadic cases constituting 81.1 per cent of the whole.

The partial deafness of adult life caused by catarrh usually comes on gradually and sometimes affects different members of the same family at or about the same age. It is probable, therefore, that a tendency toward catarrh is hereditary in these families, producing deafness occasionally in different members by extension to the middle ear; or the inherited tendency may be toward a local catarrh of the middle ear.

The noncongenital deafness of early childhood, caused mainly by scarlet fever, meningitis, and brain fever, is more accidental in character, and is probably due chiefly to extraneous causes of an epidemical nature producing total deafness in a large proportion of cases.

The causes of congenital deafness are very obscure, but it is obvious that in many cases hereditary influences are involved. This is shown by the large proportion having deaf relatives. It is also shown by the large proportion of the deaf from birth whose parents were cousins, and by the large proportion of the deaf whose parents were cousins who were born deaf (Table XLVII).

The most prominent figures of Table L are reduced to percentages in Table LII. In this table the deaf are arranged by age groups when deafness occurred, and the percentage in each age group who have *a* or *b* relatives is shown.

TABLE LII.—THE PER CENT OF THE DEAF HAVING DEAF RELATIVES (*a* OR *b*), SHOWN FOR THE DEAF CLASSIFIED BY AGE WHEN DEAFNESS OCCURRED.

CLASS OF DEAF RELATIVES.	AGE WHEN DEAFNESS OCCURRED DEFINITELY STATED.								
	Birth.	After birth, under 5.	5 and under 10.	10 and under 15.	15 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.
Deaf relatives: Stated	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
a	39.4	13.4	16.9	29.2	34.2	34.2	31.1	22.0	12.7
—	60.6	86.6	83.1	70.8	65.8	65.8	68.9	78.0	87.3
a or *b*	45.5	18.9	21.8	34.7	40.8	39.8	35.5	24.6	14.0
a and *b*	7.6	2.3	3.2	7.3	8.3	7.0	5.2	2.0	1.0
a —	31.8	11.1	13.7	21.9	25.9	27.2	25.9	20.0	11.7
— *b*	6.1	5.5	4.9	5.5	6.6	5.6	4.4	2.6	1.3
— —	54.5	81.1	78.2	65.3	59.2	60.2	64.5	75.4	86.0

In the noncongenital cases it will be observed that the proportion having *a* or *b* relatives deaf is small among the deaf from early childhood (under 5), and then becomes progressively greater where deafness occurred in middle childhood (5 to 10) and late childhood (10 to 15), reaching a maximum in youth or adolescence (15 to 20). This maximum is substantially retained during early manhood (20 to 40), and then the percentage progressively diminishes in middle life (40 to 60), declining years (60 to 80), and old age (80 and over).

Where deafness occurred during these periods of life the percentages having deaf relatives (*a* or *b*) are respectively as follows: 18.9, 21.8, 34.7, 40.8, 39.8, 35.5, 24.6, and 14 (Table LII).

The noncongenitally deaf who lost hearing between the ages of 15 and 40 show the largest percentage having deaf relatives (*a* or *b*)—about 40 per cent.

The evidence seems to point to heredity as a contributing cause of deafness in two classes of deaf persons, the deaf from birth (most of whom are totally deaf), and the deaf from catarrh (most of whom are partially deaf).

Persons who lost hearing from affections of the middle ear, however (including catarrh), are found mostly in those parts of the country which have the least sunshine (Map 10), namely, the New England states and the states bordering on the Great Lakes, so that it is probable that climatic conditions have a good deal to do with the production of catarrhal deafness. As the members of the same family would often be exposed to identical climatic conditions, we might reasonably anticipate that catarrhal deafness would sometimes appear in more than one member of the same family, quite independently of any hereditary tendency toward the disease (Map 6).

The geographic congestion of the deaf from scarlet fever, however, is even more marked (Map 5), and it is not at all unusual for several members of the same family to be ill from scarlet fever at the same time. The deaf from meningitis, too, an epidemic disease of great virulence, show a very marked geographic congestion within a limited area of country, having its center in Indiana (Map 8); and yet the percentage having *a* or *b* relatives deaf is small among the noncongenitally deaf from early childhood (under 5), most of whom lost hearing from scarlet fever and meningitis, while it is large among the deaf from adult life, most of whom became deaf from catarrh. The hereditary character of catarrhal deafness can hardly be doubted.

c relatives.—Six hundred and seventy-seven deaf persons are returned who have deaf children; 319 of these were males and 358 females (Table LIII). The number of deaf children born to these persons is not stated in the tabulated returns, but we may form some idea of the number by ascertaining how many families were formed by these 677 persons and crediting each family with one deaf child.

Of the 677 persons reported to have deaf children, 437 (250 males and 187 females) appeared among the returns of the married deaf (Table LVII); and the remaining 240 cases (69 males and 171 females) were returned among the single, widowed, or divorced. These 240 cases, therefore, constituted 240 families, 69 of which had deaf male heads only, and 171 deaf female heads.

Of the 437 cases which appeared among the married deaf, 159 were deaf persons with deaf husbands or wives (79 deaf males with deaf wives and 80 deaf females with deaf husbands) (Table LVII), and in 278 cases the husbands or wives were not deaf—that is, they were hearing persons. These consisted of 171 deaf males with hearing wives and 107 deaf females with hearing husbands.

If we assume that the deaf males with deaf wives constituted the same families as the deaf females with deaf husbands, then we find a total of 80 families containing deaf children in which both the husbands and wives were deaf.

The 278 cases in which the husbands or wives were not deaf constituted 278 families. Thus the 677 persons reported as having deaf children (Table LIII) constituted 598 families; and if each family had only one deaf child, then there were 598 deaf children having one or both parents deaf. This is a minimum estimate, for some of the families considered undoubtedly contained two or more deaf children. Cases are well known in which two, three, four, five, six, and even seven deaf children have appeared in families in which both the parents were deaf mutes.

The deaf whose parents were deaf were reported in the original verified census schedules, but unfortunately the returns have not been tabulated separately, being simply included in the returns of those having *a* relatives (deaf brothers, sisters, or ancestors). We are therefore obliged to resort to an estimate; and all we can conclude from the tabulated statements is that more than 598 deaf persons having one or both parents deaf are referred to in the present census. How many more it is now impossible to ascertain without resort to the original schedules.

Out of a total population of 75,994,575 persons, 89,287, or 1,175 per million, were returned as deaf. If, then, the children of deaf persons were no more liable to deafness than the people generally of the United States, we should expect to find 105 deaf persons returned whose parents were deaf, for this number would constitute 1,175 per million of the deaf population. But the above facts show that more than 598 deaf children of deaf parents exist in the United States, from which it is obvious that the tendency to deafness among the children of deaf persons is more than five and one-half times as great as in the case of the general population of the United States. How much more can not now be ascertained excepting by a special investigation of the original schedules.

Table LIII shows the deaf who have deaf children (*c*), by deaf relatives (*a* or *b*), by period of life when deafness occurred, degree of deafness, sex, and consanguinity of parents, giving the number and percentage in each class.

TABLE LIII.—THE DEAF HAVING DEAF CHILDREN (*c*), CLASSIFIED BY PERIOD OF LIFE WHEN DEAFNESS OCCURRED, DEGREE OF DEAFNESS, SEX, CONSANGUINITY OF PARENTS, AND DEAF RELATIVES (*a* OR *b*).

CLASS OF DEAF RELATIVES.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.			DEGREE OF DEAFNESS.		SEX.		CONSANGUINITY OF PARENTS.		
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Totally deaf.	Partially deaf.	Male.	Female.	Parents cousins.	Not cousins.	Not stated.
Number:											
c	677	282	376	19	246	431	319	358	31	599	47
(*a* or *b*) *c*	307	149	155	3	127	180	142	165	21	272	14
a b c	71	42	29	.....	33	38	36	35	5	65	1
a — *c*	198	92	103	3	80	118	92	106	16	171	11
— *b c*	38	15	23	.....	14	24	14	24	.....	36	2
— — *c*	370	133	221	16	119	251	177	193	10	327	33
Per cent:											
c	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
(*a* or *b*) *c*	45.3	52.8	41.2	(1)	51.6	41.8	44.5	46.1	(1)	45.4	(1)
a b c	10.5	14.9	7.7	.....	13.4	8.8	11.3	9.8	.....	10.9	.....
a — *c*	29.2	32.7	27.4	.....	32.5	27.4	28.8	29.6	.....	28.5	.....
— *b c*	5.6	5.2	6.1	.....	5.7	5.6	4.4	6.7	.....	6.0	.....
— — *c*	54.7	47.2	58.8	.....	48.4	58.2	55.5	53.9	.....	54.6	.....
Per cent:											
c	100.0	41.7	55.5	2.8	36.3	63.7	47.1	52.9	4.6	88.5	6.9
(*a* or *b*) *c*	100.0	48.5	50.5	1.0	41.4	58.6	46.3	53.7	6.8	88.6	4.6
a b c	100.0	(1)	.....	.....	.....	.....	.....	.....	.....	.....	.....
a — *c*	100.0	46.5	52.0	1.5	40.4	59.6	46.5	53.5	8.1	86.3	5.6
— *b c*	100.0	(1)	.....	.....	.....	.....	.....	.....	.....	.....	.....
— — *c*	100.0	36.0	59.7	4.3	32.1	67.9	47.8	52.2	2.8	88.3	8.9

[1] Percentage not given where base is less than 100.

Table LIII reveals the fact that the majority of the deaf who have deaf children are persons who became deaf in adult life. This result is somewhat surprising and could not have been anticipated. It only confirms the conclusion reached upon other grounds that heredity sometimes plays a part in the production of catarrh of the middle ear—the chief cause of deafness occurring in adult life.

The total number returned as having deaf children is 677, of whom 63.7 per cent were partially deaf and 55.5 per cent deaf from adult life; 52.9 per cent were females; 45.3 per cent had *a* or *b* deaf relatives; and 4.6 per cent were the offspring of cousin-marriages.

In the case of the deaf who had deaf children, the proportion having deaf relatives (*a* or *b*) is greater among those deaf from childhood than adult life; and greater among the totally deaf than the partially deaf (Table LIII). The opposite is the case among the whole of the deaf (Table LI).

In both cases, however, the percentage is greater among females than males; and greater among those whose parents were cousins than among those whose parents were not.

Nearly one-third of the whole deaf population, 32.1 per cent, had *a* or *b* deaf relatives (Table LI); and nearly one-half, 45.3 per cent, of the deaf who had deaf children had *a* or *b* relatives deaf (Table LIII).

d relatives.—Out of a total of 89,287 deaf, 5,051 had deaf husbands or wives (*d*), 75,430 had not, and in 8,806 cases the question relating to deaf relatives remained unanswered (Table XLIX).

We can not assume that the 75,430 persons referred to above had hearing husbands or wives, for the figures include the whole of the deaf—the single as well as the married, widowed, and divorced. Even in the case of the 5,051 deaf persons who had deaf husbands or wives (*d*), we can not assume that the deaf husbands or wives reported were all living at the time the census was taken; for only 4,965 appear in the returns of the married (Table XLIX), so that the remaining 86 were either widowed or divorced.

Table LIV shows the deaf who had deaf husbands or wives (*d*), by deaf relatives (*a*, *b*, or *c*); by period of life when deafness occurred, degree of deafness, sex, and consanguinity of parents.

TABLE LIV.—THE DEAF HAVING DEAF HUSBANDS OR WIVES (*d*), CLASSIFIED BY PERIOD OF LIFE WHEN DEAFNESS OCCURRED, DEGREE OF DEAFNESS, SEX, CONSANGUINITY OF PARENTS, AND DEAF RELATIVES (*a*, *b*, OR *c*).

CLASS OF DEAF RELATIVES.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.			DEGREE OF DEAFNESS.		SEX.		CONSANGUINITY OF PARENTS.		
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Totally deaf.	Partially deaf.	Male.	Female.	Parents cousins.	Not cousins.	Not stated.
d	5,051	4,471	486	94	4,191	860	2,532	2,519	265	4,531	255
(*a* or *b*) *d*	1,477	1,332	123	22	1,238	239	735	742	159	1,250	68
a b d	244	221	19	4	205	39	127	117	27	206	11
a — *d*	984	880	90	14	814	170	479	505	119	818	47
— *b d*	249	231	14	4	219	30	129	120	13	226	10
— — *d*	3,574	3,139	363	72	2,953	621	1,797	1,777	106	3,281	187
c d	164	151	12	1	141	23	81	83	13	141	10
(*a* or *b*) *c d*	85	79	5	1	75	10	44	41	11	69	5
a b c d	23	20	3	.....	20	3	16	7	3	19	1
a — *c d*	54	51	2	1	48	6	26	28	8	43	3
— *b c d*	8	8	.....	.....	7	1	2	6	.....	7	1
— — *c d*	79	72	7	.....	66	13	37	42	2	72	5
— *d*	4,887	4,320	474	93	4,050	837	2,451	2,436	252	4,390	245
(*a* or *b*) — *d*	1,392	1,253	118	21	1,163	229	691	701	148	1,181	63
a b — *d*	221	201	16	4	185	36	111	110	24	187	10
a — — *d*	930	829	88	13	766	164	453	477	111	775	44
— *b* — *d*	241	223	14	4	212	29	127	114	13	219	9
— — — *d*	3,495	3,067	356	72	2,887	608	1,760	1,735	104	3,209	182

From Table LIV it appears that of the 5,051 deaf persons who had deaf husbands or wives, 88.5 per cent were deaf from childhood, 9.6 per cent were deaf from adult life, and in 1.9 per cent of the cases the period of life when deafness occurred was unknown; 83 per cent were totally deaf and 17 per cent partially deaf; 50.1 per cent were males and 49.9 per cent were females; 5.2 per cent were the offspring of cousin-marriages, 89.7 per cent were not the offspring of cousins, and in 5.1 per cent of the cases the question relating to consanguinity of parents remained unanswered; 29.2 per cent had deaf relatives (*a* or *b*) and 70.8 per cent had no (*a* or *b*) deaf relatives; 3.3 per cent had deaf children (*c d*) and 96.7 per cent had no deaf children (— *d*)—that is, they had either hearing children or no children at all.

Table LIV shows that in the case of the 5,051 persons reported to have deaf husbands or wives, the vast majority were deaf from childhood (88.5 per cent), and the vast majority were totally deaf (83 per cent). This, taken in connection with the fact of the nearly equal division of the sexes, leads to the inference that in most of the cases of intermarriage of deaf persons with one another both of the parties to the marriage were deaf from childhood, and both totally deaf. Most of these persons lost hearing before reaching the age of 5 (Table LVII), and belonged, naturally, to the class deaf and dumb; so that these unions consist largely of intermarriages of deaf mutes with one another.

The married deaf.—The figures with which we have hitherto been dealing relate to the whole of the deaf, including the single, married, widowed, and divorced. Tables LV, LVI, LVII, and LVIII relate to the married deaf alone and to conditions of marriage that affect the production of deaf offspring. Tables LVI and LVII summarize the detail figures given in Table LV.

TABLE LV.—THE MARRIED DEAF, BY DEGREE OF DEAFNESS, PERIOD OF LIFE WHEN DEAFNESS OCCURRED, SEX, AND DEAF RELATIVES (*a*, *b*, OR *d*), WITH THE NUMBER IN EACH CLASS HAVING DEAF CHILDREN AND THE NUMBER HAVING NO DEAF CHILDREN.

SEX AND CLASS OF DEAF RELATIVES.	TOTALLY DEAF.							PARTIALLY DEAF.						
	Total.	Period of life when deafness occurred.			Deaf from early childhood (under 5).			Total.	Period of life when deafness occurred.			Deaf from early childhood (under 5).		
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Total.	Congenital.	Noncongenital.		Childhood (under 20).	Adult life (20 and over).	Unknown.	Total.	Congenital.	Noncongenital.
Married males	4,556	3,304	1,145	107	2,176	834	1,342	15,190	3,364	11,188	638	714	169	545
Deaf relatives:														
Not stated	169	53	81	35	29	21	8	1,486	183	1,067	236	37	13	24
Stated	4,387	3,251	1,064	72	2,147	813	1,334	13,704	3,181	10,121	402	677	156	521
a b d	108	106	1	1	99	74	25	18	8	10		4	2	2
a b c d	13	13			12	10	2	3		3				
a b — d	95	93	1	1	87	64	23	15	8	7		4	2	2
a — d	389	386	1	2	337	239	98	86	41	43	2	25	12	13
a — c d	21	21			20	17	3	4	3		1			
a — — d	368	365	1	2	317	222	95	82	38	43	1	25	12	13
— b d	109	107		2	85	23	62	14	5	9		3		3
— b c d	2	2			2		2							
— b — d	107	105		2	83	23	60	14	5	9		3		3
— — d	1,471	1,435	15	21	1,062	220	842	306	117	173	16	74	15	59
— — c d	32	32			28	12	16	4	3	1				
— — — d	1,439	1,403	15	21	1,034	208	826	302	114	172	16	74	15	59
a b —	115	64	49	2	32	27	5	678	220	447	11	38	11	27
a b c —	3	3			1	1		12	7	5				
a b — —	112	61	49	2	31	26	5	666	213	442	11	38	11	27
a — —	494	242	245	7	139	97	42	3,139	773	2,296	70	117	42	75
a — c —	11	6	5		3	3		40	10	30		4	1	3
a — — —	483	236	240	7	136	94	42	3,099	763	2,266	70	113	41	72
— b —	104	61	41	2	31	13	18	622	187	425	10	31	8	23
— b c —	2		2					6	2	4				
— b — —	102	61	39	2	31	13	18	616	185	421	10	31	8	23
— — —	1,597	850	712	35	362	120	242	8,841	1,830	6,718	293	385	66	319
— — c —	14	5	9		5	5		83	14	63	6	4		4
— — — —	1,583	845	703	35	357	115	242	8,758	1,816	6,655	287	381	66	315
Married females	3,775	3,058	624	93	2,110	772	1,338	10,685	3,198	7,073	414	603	108	495
Deaf relatives:														
Not stated	140	68	50	22	37	24	13	1,077	229	667	181	41	10	31
Stated	3,635	2,990	574	71	2,073	748	1,325	9,608	2,969	6,406	233	562	98	464
a b d	95	93		2	82	52	30	21	12	8	1	9	5	4
a b c d	7	7			6	2	4							
a b — d	88	86		2	76	50	26	21	12	8	1	9	5	4
a — d	409	400	1	8	360	234	126	83	38	43	2	21	12	9
a — c d	26	26			25	20	5	2	1	1				
a — — d	383	374	1	8	335	214	121	81	37	42	2	21	12	9
— b d	99	98		1	80	26	54	15	10	4	1	4	1	3
— b c d	3	3			3	1	2	1	1					
— b — d	96	95		1	77	25	52	14	9	4	1	4	1	3
— — d	1,436	1,407	5	24	1,077	242	835	306	131	164	11	72	7	65
— — c d	33	33			31	13	18	8	3	5		2		2
— — — d	1,403	1,374	5	24	1,046	229	817	298	128	159	11	70	7	63
a b —	80	42	35	3	21	12	9	649	207	435	7	25	8	17
a b c —	3	2	1					11	4	7				
a b — —	77	40	34	3	21	12	9	638	203	428	7	25	8	17
a — —	363	198	153	12	116	84	32	2,581	708	1,835	38	86	26	60
a — c —	7	3	3	1	2	2		26	9	16	1	1	1	
a — — —	356	195	150	11	114	82	32	2,555	699	1,819	37	85	25	60
— b —	85	52	32	1	28	12	16	532	187	338	7	29	6	23
— b c —	1		1					5	2	3				
— b — —	84	52	31	1	28	12	16	527	185	335	7	29	6	23
— — —	1,068	700	348	20	309	86	223	5,421	1,676	3,579	166	316	33	283
— — c —	12	10	2		6	3	3	42	13	27	2	4		4
— — — —	1,056	690	346	20	303	83	220	5,379	1,663	3,552	164	312	33	279

TABLE LVI.—THE MARRIED DEAF, BY DEGREE OF DEAFNESS, PERIOD OF LIFE WHEN DEAFNESS OCCURRED, AND DEAF RELATIVES (*a*, *b*, OR *d*), WITH THE NUMBER IN EACH CLASS HAVING DEAF CHILDREN AND THE NUMBER HAVING NO DEAF CHILDREN.

CLASS OF DEAF RELATIVES.	TOTALLY DEAF.							PARTIALLY DEAF.						
	Total.	Period of life when deafness occurred.			Deaf from early childhood (under 5).			Total.	Period of life when deafness occurred.			Deaf from early childhood (under 5).		
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Total.	Congenital.	Noncongenital.		Childhood (under 20).	Adult life (20 and over).	Unknown.	Total.	Congenital.	Noncongenital.
The married deaf	8,331	6,362	1,769	200	4,286	1,606	2,680	25,875	6,562	18,261	1,052	1,317	277	1,040
Deaf relatives:														
Not stated	309	121	131	57	66	45	21	2,563	412	1,734	417	78	23	55
Stated	8,022	6,241	1,638	143	4,220	1,561	2,659	23,312	6,150	16,527	635	1,239	254	985
d	4,116	4,032	23	61	3,182	1,110	2,072	849	362	454	33	212	54	158
—	3,906	2,209	1,615	82	1,038	451	587	22,463	5,788	16,073	602	1,027	200	827
a d	1,001	985	3	13	878	599	279	208	99	104	5	59	31	28
— *d*	3,115	3,047	20	48	2,304	511	1,793	641	263	350	28	153	23	130
a —	1,052	546	482	24	308	220	88	7,047	1,908	5,013	126	266	87	179
— —	2,854	1,663	1,133	58	730	231	499	15,416	3,880	11,060	476	761	113	648
a b d	203	199	1	3	181	126	55	39	20	18	1	13	7	6
a — *d*	798	786	2	10	697	473	224	169	79	86	4	46	24	22
— *b d*	208	205	.....	3	165	49	116	29	15	13	1	7	1	6
— — *d*	2,907	2,842	20	45	2,139	462	1,677	612	248	337	27	146	22	124
a b —	195	106	84	5	53	39	14	1,327	427	882	18	63	19	44
a — —	857	440	398	19	255	181	74	5,720	1,481	4,131	108	203	68	135
a b —	189	113	73	3	59	25	34	1,154	374	763	17	60	14	46
— — —	2,665	1,550	1,060	55	671	206	465	14,262	3,506	10,297	459	701	99	602
Stated:														
c	190	166	23	1	144	89	55	247	72	165	10	15	2	13
—	7,832	6,075	1,615	142	4,076	1,472	2,604	23,065	6,078	16,362	625	1,224	252	972
d:														
c	137	137	.....	.....	127	75	52	22	11	10	1	2	.....	2
—	3,979	3,895	23	61	3,055	1,035	2,020	827	351	444	32	210	54	156
—:														
c	53	29	23	1	17	14	3	225	61	155	9	13	2	11
—	3,853	2,180	1,592	81	1,021	437	584	22,238	5,727	15,918	593	1,014	198	816
a d:														
c	67	67	.....	.....	63	49	14	9	4	4	1	.....	.....	.....
—	934	918	3	13	815	550	265	199	95	100	4	59	31	28
— *d*:														
c	70	70	.....	.....	64	26	38	13	7	6	.....	2	.....	2
—	3,045	2,977	20	48	2,240	485	1,755	628	256	344	28	151	23	128
a —:														
c	24	14	9	1	6	6	.....	89	30	58	1	5	2	3
—	1,028	532	473	23	302	214	88	6,958	1,878	4,955	125	261	85	176
— —:														
c	29	15	14	.....	11	8	3	136	31	97	8	8	.....	8
—	2,825	1,648	1,119	58	719	223	496	15,280	3,849	10,963	468	753	113	640
a b d:														
c	20	20	.....	.....	18	12	6	3	.....	3	.....	.....	.....	.....
—	183	179	1	3	163	114	49	36	20	15	1	13	7	6
a — *d*:														
c	47	47	.....	.....	45	37	8	6	4	1	1	.....	.....	.....
—	751	739	2	10	652	436	216	163	75	85	3	46	24	22
— *b d*:														
c	5	5	.....	.....	5	1	4	1	1	.....	.....	.....	.....	.....
—	203	200	.....	3	160	48	112	28	14	13	1	7	1	6
— — *d*:														
c	65	65	.....	.....	59	25	34	12	6	6	.....	2	.....	2
—	2,842	2,777	20	45	2,080	437	1,643	600	242	331	27	144	22	122
a b —:														
c	6	5	1	.....	1	1	.....	23	11	12	.....	.....	.....	.....
—	189	101	83	5	52	38	14	1,304	416	870	18	63	19	44
a — —:														
c	18	9	8	1	5	5	.....	66	19	46	1	5	2	3
—	839	431	390	18	250	176	74	5,654	1,462	4,085	107	198	66	132
— *b* —:														
c	3	.....	3	.....	.....	.....	.....	11	4	7	.....	.....	.....	.....
—	186	113	70	3	59	25	34	1,143	370	756	17	60	14	46
— — —:														
c	26	15	11	.....	11	8	3	125	27	90	8	8	.....	8
—	2,639	1,535	1,049	55	660	198	462	14,137	3,479	10,207	451	693	99	594

TABLE LVII.—THE MARRIED DEAF, BY SEX, DEGREE OF DEAFNESS, PERIOD OF LIFE WHEN DEAFNESS OCCURRED, AND DEAF RELATIVES (*a*, *b*, OR *d*), WITH THE NUMBER IN EACH CLASS HAVING DEAF CHILDREN AND THE NUMBER HAVING NO DEAF CHILDREN.

CLASS OF DEAF RELATIVES.	Total.	SEX.		DEGREE OF DEAFNESS.		PERIOD OF LIFE WHEN DEAFNESS OCCURRED.					
		Male.	Female.	Totally deaf.	Partially deaf.	Childhood (under 20).	Adult life (20 and over).	Unknown.	Early childhood (under 5).		
									Total.	Congenital.	Noncongenital.
The married deaf	34,206	19,746	14,460	8,331	25,875	12,924	20,030	1,252	5,603	1,883	3,720
Deaf relatives:											
Not stated	2,872	1,655	1,217	309	2,563	533	1,865	474	144	68	76
Stated	31,334	18,091	13,243	8,022	23,312	12,391	18,165	778	5,459	1,815	3,644
d	4,965	2,501	2,464	4,116	849	4,394	477	94	3,394	1,164	2,230
—	26,369	15,590	10,779	3,906	22,463	7,997	17,688	684	2,065	651	1,414
a d	1,209	601	608	1,001	208	1,084	107	18	937	630	307
— *d*	3,756	1,900	1,856	3,115	641	3,310	370	76	2,457	534	1,923
a —	8,099	4,426	3,673	1,052	7,047	2,454	5,495	150	574	307	267
— —	18,270	11,164	7,106	2,854	15,416	5,543	12,193	534	1,491	344	1,147
a b d	242	126	116	203	39	219	19	4	194	133	61
a — *d*	967	475	492	798	169	865	88	14	743	497	246
— *b d*	237	123	114	208	29	220	13	4	172	50	122
— — *d*	3,519	1,777	1,742	2,907	612	3,090	357	72	2,285	484	1,801
a b —	1,522	793	729	195	1,327	533	966	23	116	58	58
a — —	6,577	3,633	2,944	857	5,720	1,921	4,529	127	458	249	209
— *b* —	1,343	726	617	189	1,154	487	836	20	119	39	80
— — —	16,927	10,438	6,489	2,665	14,262	5,056	11,357	514	1,372	305	1,067
Stated:											
c	437	250	187	190	247	238	188	11	159	91	68
—	30,897	17,841	13,056	7,832	23,065	12,153	17,977	767	5,300	1,724	3,576
d:											
c	159	79	80	137	22	148	10	1	129	75	54
—	4,806	2,422	2,384	3,979	827	4,246	467	93	3,265	1,089	2,176
—:											
c	278	171	107	53	225	90	178	10	30	16	14
—	26,091	15,419	10,672	3,853	22,238	7,907	17,510	674	2,035	635	1,400
a d:											
c	76	41	35	67	9	71	4	1	63	49	14
—	1,133	560	573	934	199	1,013	103	17	874	581	293
— *d*:											
c	83	38	45	70	13	77	6	.....	66	26	40
—	3,673	1,862	1,811	3,045	628	3,233	364	76	2,391	508	1,883
a —:											
c	113	66	47	24	89	44	67	2	11	8	3
—	7,986	4,360	3,626	1,028	6,958	2,410	5,428	148	563	299	264
— —:											
c	165	105	60	29	136	46	111	8	19	8	11
—	18,105	11,059	7,046	2,825	15,280	5,497	12,082	526	1,472	336	1,136
a b d:											
c	23	16	7	20	3	20	3	.....	18	12	6
—	219	110	109	183	36	199	16	4	176	121	55
a — *d*:											
c	53	25	28	47	6	51	1	1	45	37	8
—	914	450	464	751	163	814	87	13	698	460	238
— *b d*:											
c	6	2	4	5	1	6	.....	.....	5	1	4
—	231	121	110	203	28	214	13	4	167	49	118
— — *d*:											
c	77	36	41	65	12	71	6	.....	61	25	36
—	3,442	1,741	1,701	2,842	600	3,019	351	72	2,224	459	1,765
a b —:											
c	29	15	14	6	23	16	13	.....	1	1	.....
—	1,493	778	715	189	1,304	517	953	23	115	57	58
a — —:											
c	84	51	33	18	66	28	54	2	10	7	3
—	6,493	3,582	2,911	839	5,654	1,893	4,475	125	448	242	206
— *b* —:											
c	14	8	6	3	11	4	10	.....	.....	.....	.....
—	1,329	718	611	186	1,143	483	826	20	119	39	80
— — —:											
c	151	97	54	26	125	42	101	8	19	8	11
—	16,776	10,341	6,435	2,639	14,137	5,014	11,256	506	1,353	297	1,056

TABLE LVIII.—THE PER CENT OF THE MARRIED DEAF HAVING DEAF CHILDREN AND THE PER CENT HAVING NO DEAF CHILDREN, BY SEX, DEGREE OF DEAFNESS, AND PERIOD OF LIFE WHEN DEAFNESS OCCURRED, AND DEAF RELATIVES (*a*, *b*, OR *d*).

CLASS OF DEAF RELATIVES.	Total.	SEX.		DEGREE OF DEAFNESS.		PERIOD OF LIFE WHEN DEAFNESS OCCURRED.					
		Male.	Female.	Totally deaf.	Partially deaf.	Childhood (under 20).	Adult life (20 and over).	Unknown.	Early childhood (under 5).		
									Total.	Congenital.	Noncongenital.
The married deaf:											
Deaf relatives—											
Stated	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
c	1.4	1.4	1.4	2.4	1.1	1.9	1.0	1.4	2.9	5.0	1.9
—	98.6	98.6	98.6	97.6	98.9	98.1	99.0	98.6	97.1	95.0	98.1
d	100.0	100.0	100.0	100.0	100.0	100.0	100.0	.....	100.0	100.0	100.0
c	3.2	3.2	3.2	3.3	2.6	3.4	2.1	(1)	3.8	6.4	2.4
—	96.8	96.8	96.8	96.7	97.4	96.6	97.9	(1)	96.2	93.6	97.6
—	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
c	1.1	1.1	1.0	1.4	1.0	1.1	1.0	1.5	1.5	2.5	1.0
—	98.9	98.9	99.0	98.6	99.0	98.9	99.0	98.5	98.5	97.5	99.0
a d	100.0	100.0	100.0	100.0	100.0	100.0	100.0	.....	100.0	100.0	100.0
c	6.3	6.8	5.8	6.7	4.3	6.5	3.7	(1)	6.7	7.8	4.6
—	93.7	93.2	94.2	93.3	95.7	93.5	96.3	(1)	93.3	92.2	95.4
— *d*	100.0	100.0	100.0	100.0	100.0	100.0	100.0	.....	100.0	100.0	100.0
c	2.2	2.0	2.4	2.2	2.0	2.3	1.6	.....	2.7	4.9	2.1
—	97.8	98.0	97.6	97.8	98.0	97.7	98.4	(1)	97.3	95.1	97.9
a —	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
c	1.4	1.5	1.3	2.3	1.3	1.8	1.2	1.3	1.9	2.6	1.1
—	98.6	98.5	98.7	97.7	98.7	98.2	98.8	98.7	98.1	97.4	98.9
— —	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
c	0.9	0.9	0.8	1.0	0.9	0.8	0.9	1.5	1.3	2.3	1.0
—	99.1	99.1	99.2	99.0	99.1	99.2	99.1	98.5	98.7	97.7	99.0
a b d	100.0	100.0	100.0	100.0	.....	100.0	.....	.....	100.0	100.0	.....
c	9.5	12.7	6.0	9.9	(1)	9.1	(1)	.....	9.3	9.0	(1)
—	90.5	87.3	94.0	90.1	(1)	90.9	(1)	(1)	90.7	91.0	(1)
a — *d*	100.0	100.0	100.0	100.0	100.0	100.0	.....	.....	100.0	100.0	100.0
c	5.5	5.3	5.7	5.9	3.6	5.9	(1)	(1)	6.1	7.4	3.3
—	94.5	94.7	94.3	94.1	96.4	94.1	(1)	(1)	93.9	92.6	96.7
— *b d*	100.0	100.0	100.0	100.0	.....	100.0	.....	.....	100.0	.....	100.0
c	2.5	1.6	3.5	2.4	(1)	2.7	.....	.....	2.9	(1)	3.3
—	97.5	98.4	96.5	97.6	(1)	97.3	(1)	(1)	97.1	(1)	96.7
— — *d*	100.0	100.0	100.0	100.0	100.0	100.0	100.0	.....	100.0	100.0	100.0
c	2.2	2.0	2.4	2.2	2.0	2.3	1.7	.....	2.7	5.2	2.0
—	97.8	98.0	97.6	97.8	98.0	97.7	98.3	(1)	97.3	94.8	98.0
a b —	100.0	100.0	100.0	100.0	100.0	100.0	100.0	.....	100.0	.....	.....
c	1.9	1.9	1.9	3.1	1.7	3.0	1.3	.....	0.9	(1)	.....
—	98.1	98.1	98.1	96.9	98.3	97.0	98.7	(1)	99.1	(1)	(1)
a — —	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
c	1.3	1.4	1.1	2.1	1.2	1.5	1.2	1.6	2.2	2.8	1.4
—	98.7	98.6	98.9	97.9	98.8	98.5	98.8	98.4	97.8	97.2	98.6
— *b* —	100.0	100.0	100.0	100.0	100.0	100.0	100.0	.....	100.0	.....	.....
c	1.0	1.1	1.0	1.6	1.0	0.8	1.2	.....	.....	.....	.....
—	99.0	98.9	99.0	98.4	99.0	99.2	98.8	(1)	100.0	(1)	(1)
— — —	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
c	0.9	0.9	0.8	1.0	0.9	0.8	0.9	1.6	1.4	2.6	1.0
—	99.1	99.1	99.2	99.0	99.1	99.2	99.1	98.4	98.6	97.4	99.0

[1] Percentage not given where aggregate is less than 100.

From Table LVII it appears that 34,206 married deaf persons were reported in the census of 1900. Of these, 57.7 per cent were males and 42.3 per cent were females; 37.8 per cent were deaf from childhood (under 20), 58.5 per cent became deaf in adult life, and in 3.7 per cent of the cases the period of life when deafness occurred was unknown.

Of the 12,924 cases deaf from childhood, 51.5 per cent were males and 48.5 per cent were females. Of the 20,030 cases deaf from adult life, 61.6 per cent were males and only 38.4 per cent were females (Tables LV and LVI). It thus appears that the majority of the deaf who marry are males; and the disproportion of the sexes in this respect is most manifest in the case of the deaf from adult life, of whom 61.6 per cent were males.

Out of a total of 34,206 married deaf persons, 31,334 answered the question relating to deaf relatives and 2,872 did not (Table LVII). The following percentages relate to the stated cases:

a or b relatives.—10,888, or 34.7 per cent, of the married deaf had deaf brothers, sisters, ancestors,

uncles, aunts, cousins, or more distant relatives, and 20,446, or 65.3 per cent, had no *a* or *b* deaf relatives (Table LVII).

c relatives.—437, or 1.4 per cent, of the married deaf had deaf children, and 30,897, or 98.6 per cent, had no deaf children—that is, they either had hearing children or no children at all (Table LVII).

d relatives.—4,965, or 15.8 per cent, of the married deaf had deaf husbands or wives, and in 26,369 cases, or 84.2 per cent, the husbands or wives were not deaf—that is, they were hearing persons (Table LVII).

Of the 4,965 married deaf who had deaf husbands or wives, 4,394, or 88.5 per cent, were deaf from childhood (under 20); 477, or 9.6 per cent, became deaf in adult life; and in 94 cases, or 1.9 per cent, the period of life when deafness occurred was unknown (Table LVII).

Of the 26,369 married deaf whose husbands or wives were not deaf, 7,997, or 30.3 per cent, were deaf from childhood; 17,688, or 67.1 per cent, were deaf from adult life; and in 684 cases, or 2.6 per cent, the period of life when deafness occurred was unknown (Table LVII).

Thus the vast majority of the married deaf who had deaf husbands or wives (88.5 per cent) were deaf from childhood, and about two-thirds of the married deaf whose husbands and wives were not deaf (67.1 per cent) were persons who lost hearing in adult life. It will also be noticed that the majority of the married deaf who had deaf husbands or wives (68.3 per cent) were deaf from early childhood (under 5) (Table LVII), and belong naturally to the class deaf and dumb. They represent intermarriages of deaf-mutes with one another.

In studying the marriages of the deaf, and the influence of these marriages upon the offspring, the plan has been adopted of calculating the percentage having deaf children upon the basis of a total which includes the males and females considered, instead of noting separately the percentage of males and the percentage of females having deaf children. The percentage derived from the summation of the two classes is more reliable than that derived from either class alone, because based upon larger numbers. And the percentages express not merely the proportion of deaf persons who have deaf children, but the proportion of families containing deaf children. This is an important point and worthy of special consideration.

In regard to the absolute numbers involved it will of course be noticed that the figures expressing the number of deaf persons who have deaf children do not represent the number of deaf children born to them, even if we assume that each person had only one deaf child—which would be an underestimate. Some of the males and females included were undoubtedly the parents of the same children—two parents to one child. Nor do these figures represent the number of families having deaf children, which is necessarily less than the number of married persons composing them; and yet the percentage of persons having deaf children expresses the percentage of families having deaf children, even though the absolute number of families may be unknown. This will be obvious from the following considerations:

Let there be one hundred families, and let one of them contain deaf children; then the proportion of families having deaf children is 1 per cent.

Case 1.—Now assume that in each of these families only one of the married partners was deaf; then 100 married deaf persons in all would be recorded, of whom 1 had deaf children. In this case the proportion having deaf children would be 1 per cent, thus corresponding with the percentage of families.

Case 2.—Next assume that in each of the families considered both of the married partners were deaf; then 200 married deaf persons in all would be recorded, of whom 2 had deaf children. But the proportion having deaf children would remain at 1 per cent, thus still corresponding with the percentage of families.

Case 3.—These are extreme cases, and there is only one other supposable case between them, namely, that in some of the families the married partners were both deaf, and that in others only one of the married partners was deaf. In this case also it is obvious that the percentage of deaf persons having deaf children would correspond to the percentage of families.

In the case of the married deaf we do not know exactly the total number of families involved or the exact number of families containing deaf children; but still we can estimate these numbers with a sufficient approximation to the truth to enable us to test the accuracy of the conclusions noted above.

Case 1.—The 26,369 married deaf persons whose husbands or wives were not deaf constituted, of course, 26,369 families, and the 278 persons among them who had deaf children also evidently constituted 278 families; so that here the percentage of persons having deaf children is obviously the same as the percentage of families containing deaf children.

Case 2.—In the case of the 4,965 married deaf persons who had deaf husbands or wives, 2,501 were males and 2,464 were females; so they constituted at least 2,501 families. There may have been more, but certainly not less. In the case of the 159 persons among them who had deaf children 79 were males and 80 were females; so that these persons constituted not less than 80 families.

$$\frac{4965}{159} = \text{the ratio of persons.}$$

$$\frac{2501}{80} = \text{the (approximate) ratio of families.}$$

These ratios are substantially the same, for—

$$4965 : 159 :: 2501 : 80.09.$$

Case 3.—In the case of the 31,334 married deaf persons constituting the stated cases in Table LVII, 18,091 were males and 13,243 were females. These persons therefore constituted at least 18,091 families. In the case of the 437 persons among them who had deaf children 250 were males and 187 were females; so that they constituted at least 250 families. There may have been more, but certainly not less.

$$\frac{31334}{437} = \text{the ratio of persons.}$$

$$\frac{18091}{250} = \text{the (approximate) ratio of families.}$$

These two ratios are very nearly the same, for—

$$31334 : 437 :: 18091 : 252.3.$$

Conditions affecting the production of deaf offspring.—Table LVII shows that out of 31,334 married deaf persons 437, or 1.4 per cent, had deaf children. This means that on the average 1.4 per cent of the marriages contracted by deaf persons are productive of deaf offspring. Out of every 100 families formed by these marriages 1.4 contain deaf children.

Sex.—Out of 18,091 married deaf males 250, or 1.4 per cent, had deaf children. Out of 13,243 married deaf females 187, or 1.4 per cent, had deaf children (Table LVII).

From this it appears that the sex of the deaf partner in marriage does not appreciably affect the proportion having deaf children, although it should be noticed that in the case of those having *a b d* deaf relatives the percentage having deaf children is more than twice as great among the males as among the females (males, 12.7; females, 6) (Table LVIII). The totals, however, on which these latter percentages are based are comparatively small, very little exceeding 100; whereas the percentages for the whole of the married males and females are based upon many thousands of cases, and show no difference in this respect between the males and females. The sex of the deaf parent alone, without other complicating conditions (like *a b d* deaf relatives) does not seem to be a factor affecting the proportion having deaf children.

Males	1.4
Females	1.4

Degree of deafness.—Out of 8,022 married deaf persons who were totally deaf 190, or 2.4 per cent, had deaf offspring; and out of 23,312 married deaf persons who were partially deaf 247, or 1.1 per cent, had deaf children (Table LVII).

It thus appears that the proportion having deaf offspring is more than twice as great among the totally deaf as among the partially deaf married persons. Table LIII shows that the majority of the deaf who have deaf offspring are partially deaf; but this evidently results not from any greater liability on their part to produce deaf offspring, but from the fact that the partially deaf are more numerous than the totally deaf in the whole deaf population. Among the married deaf 25,875 were partially deaf and only 8,331 totally deaf (Table LVII).

Totally deaf	2.4
Partially deaf	1.1

Period of life when deafness occurred.—Out of 12,391 married deaf who were deaf from childhood (under 20) 238, or 1.9 per cent, had deaf children. Out of 18,165 married deaf who became deaf in adult life 188, or 1 per cent, had deaf children (Table LVII).

Out of 5,459 married deaf persons who lost hearing before the age of 5, 159, or 2.9 per cent, had deaf children. Of these, 1,815 were congenitally deaf and 3,644 became deaf after birth and before reaching the age of 5. Of the congenitally deaf cases, 91, or 5 per cent, had deaf children. Of the noncongenitally deaf cases, 68, or 1.9 per cent, had deaf children (Table LVII).

It thus appears that the tendency to transmit the defect is greater among the deaf from childhood than the deaf from adult life. It is still greater among the deaf from early childhood (under 5), all of whom belong naturally to the class deaf and dumb, and greatest of all among the deaf from birth (the congenital cases).

Childhood (under 20)	1.9
Adult life (20 and over)	1.0
Early childhood (under 5)	2.9
Congenital	5.0
Noncongenital (under 5)	1.9

a, b, or d relatives.—Out of 14,407 married deaf persons who had deaf relatives (*a*, *b*, or *d*), 286, or 2 per cent, had deaf children. Out of 16,927 who had no deaf relatives (*a*, *b*, or *d*), 151, or 0.9 per cent, had deaf children (Table LVII).

It thus appears that the proportion having deaf children is more than twice as great among the married deaf who have deaf relatives (*a*, *b*, or *d*) as among those who have no *a*, *b*, or *d* deaf relatives.

Deaf relatives (*a*, *b*, or *d*)	2.0
No deaf relatives (*a*, *b*, or *d*)	0.9

a relatives.—There were 9,308 married deaf persons who had deaf brothers, sisters, or ancestors. Of these, 189, or 2 per cent, had deaf children, but it will be observed that the total includes all who have *a* relatives. Some of the persons referred to had also *b* or *d* relatives. To ascertain the effect of the *a* element alone we should exclude the *b* and *d* elements from consideration. Out of 6,577 married deaf who had *a* relatives alone without *b* or *d* relatives (*a* — —), 84, or 1.3 per cent, had deaf children (Table LVII).

b relatives.—Out of 3,344 married deaf persons who had uncles, aunts, cousins, or other more distant relatives deaf (*b*), 72, or 2.2 per cent, had deaf children; but the total includes persons who had also *a* or *d* relatives. Excluding the *a* and *d* elements, we find that

1,343 of the married deaf had *b* relatives alone, without *a* or *d* relatives (— *b* —); and of these, 14, or 1 per cent, had deaf children (Table LVII).

d relatives.—Out of 4,965 married deaf who had deaf husbands or wives, 159, or 3.2 per cent, had deaf children. The total includes persons who had *a* or *b* deaf relatives; and if we exclude these, we find 3,519 married deaf with deaf husbands or wives but no *a* or *b* relatives deaf (— — *d*). Of these, 77, or 2.2 per cent, had deaf children (Table LVII).

Even in this case, however, we have not eliminated the effect of *a* or *b* relatives; for many of the deaf husbands or wives considered undoubtedly had *a* or *b* deaf relatives. The census returns give us no information concerning these husbands or wives beyond the bare fact that they were deaf.

No a, b, or d relatives.—Out of 16,927 married deaf persons who had no *a*, *b*, or *d* relatives deaf, 151, or 0.9 per cent, had deaf children (Table LVII).

In considering the significance of deaf relatives as an indication of the liability of a deaf person to produce deaf offspring the following seems to be the order of importance of the *a*, *b*, and *d* elements considered separately: The largest proportion having deaf children is found among the married deaf who have deaf husbands or wives (but no *a* or *b* relatives); next come those having *a* relatives (but not *b* or *d*); then those having *b* relatives (but not *a* or *d*). The smallest proportion having deaf children is found among those who have neither *a*, *b*, nor *d* relatives:

— — *d*	2.2
a — —	1.3
— *b* —	1.0
— — —	0.9

Combinations of a, b, and d relatives.—From these facts we would naturally anticipate that the largest proportion having deaf children would be found among those having both *a* and *b* relatives who married deaf husbands or wives, and that the proportion having deaf children would be successively smaller where other combinations of *a*, *b*, or *d* occurred in the following order: *a b d; a — d; — b d; — — d; a b —; a — —; — b —; — — —.* And this we find to be the case. The following figures show the percentage of married deaf persons having deaf children where these combinations of deaf relatives occurred (Table LVIII).

a b d	9.5
a — d	5.5
— *b d*	2.5
— — *d*	2.2
a b —	1.9
a — —	1.3
— *b* —	1.0
— — —	0.9

We should also expect to find a still larger percentage having deaf children where the *a b d* elements are combined with other elements found to be significant in this connection—like total deafness and deafness occurring at an early period of life, and this we find to be the case. For example: Table LVI records 181 married deaf persons who were totally deaf from birth, and who had *a b d* relatives deaf. Of these, 18, or 9.94 per cent, had deaf children.

Totally deaf from birth, *a b d*	9.94

The significance of the percentages will be apparent by applying the results to the whole married population of the United States. We can calculate how many families containing deaf children would be found among the married people of the United States if they had the same liability to the production of deaf offspring that is found in the case of the married deaf.

More than 13,000,000 married males are returned in the census of 1900, and more than 13,000,000 married females. If only 1 per cent of these persons should have deaf children, we would have in the United States more than 130,000 families containing deaf children.

130,000 equal	1 per cent.
260,000 equal	2 per cent.
390,000 equal	3 per cent.
520,000 equal	4 per cent.
650,000 equal	5 per cent.
780,000 equal	6 per cent.
910,000 equal	7 per cent.
1,040,000 equal	8 per cent.
1,170,000 equal	9 per cent.
1,300,000 equal	10 per cent.

For convenience of reference the percentages having deaf children for each of the classes of deaf persons mentioned in Table LVIII are given below, where they may be directly compared:

CLASS OF DEAF RELATIVES.	Total.	SEX.		DEGREE OF DEAFNESS.		PERIOD OF LIFE WHEN DEAFNESS OCCURRED.		EARLY CHILDHOOD (UNDER 5).		
		Male.	Female.	Totally.	Partially.	Childhood.	Adult life.	Total.	Birth.	After birth, under 5.
Stated	1.4	1.4	1.4	2.4	1.1	1.9	1.0	2.9	5.0	1.9
d	3.2	3.2	3.2	3.3	2.6	3.4	2.1	3.8	6.4	2.4
—	1.1	1.1	1.0	1.4	1.0	1.1	1.0	1.5	2.5	1.0
a d	6.3	6.8	5.8	6.7	4.3	6.5	3.7	6.7	7.8	4.6
— *d*	2.2	2.0	2.4	2.2	2.0	2.3	1.6	2.7	4.9	2.1
a —	1.4	1.5	1.3	2.3	1.3	1.8	1.2	1.9	2.6	1.1
— —	0.9	0.9	0.8	1.0	0.9	0.8	0.9	1.3	2.3	1.0
a b d	9.5	12.7	6.0	9.9	(1)	9.1	(1)	9.3	9.0	(1)
a — *d*	5.5	5.3	5.7	5.9	3.6	5.9	(1)	6.1	7.4	3.3
— *b d*	2.5	1.6	3.5	2.4	(1)	2.7	.....	2.9	(1)	3.3
— — *d*	2.2	2.0	2.4	2.2	2.0	2.3	1.7	2.7	5.2	2.0
a b —	1.9	1.9	1.9	3.1	1.7	3.0	1.3	0.9	(1)	.....
a — —	1.3	1.4	1.1	2.1	1.2	1.5	1.2	2.2	2.8	1.4
— *b* —	1.0	1.1	1.0	1.6	1.0	0.8	1.2	.....	.....	.....
— — —	0.9	0.9	0.8	1.0	0.9	0.8	0.9	1.4	2.6	1.0

[1] Percentage not given where base is less than 100.

The above investigation relating to the marriages of the deaf and the effect upon the offspring affords a convincing demonstration of the fact that the laws of heredity which are known to apply to animals also apply to man. This has generally been assumed, but the above investigation demonstrates the proposition.

Present age.—The present age of the deaf is given in Table LIX, by various classifications.

About one-fifth of the deaf are under 20 years of age; of these, over 75 per cent are totally deaf, while among the number over 20, only about 33 per cent are totally deaf.

The per cent who speak is very much larger among those over 20, although the per cent who have attended school is larger for those under 20.

The figures presenting the relation of the present age of the deaf to the age when deafness occurred are found in Table LX.

Of the number now under 20, the largest per cent are the deaf from birth. Of those over 20, the largest per cent lost their hearing between the ages of 20 and 40.

The present age of the totally deaf from early childhood is compared with the present age of the entire population in Table LXI.

Table LXII gives the geographic distribution of the deaf, by present age groups.

TABLE LIX.—*The deaf, classified by period of life when deafness occurred, degree of deafness, ability to speak, sex, race, nativity, school attendance, and present age.*

PERIOD OF LIFE WHEN DEAFNESS OCCURRED, DEGREE OF DEAFNESS, ABILITY TO SPEAK, SEX, RACE, NATIVITY, AND SCHOOL ATTENDANCE.	Total.	PRESENT AGE.		
		Under 20.	20 and over.	Unknown.
Total	89,287	18,358	70,602	327
Period of life when deafness occurred:				
Childhood (under 20)	50,296	18,358	31,763	175
Adult life (20 and over)	35,924	.....	35,825	99
Unknown	3,067	.....	3,014	53
Degree of deafness:				
Totally deaf	37,426	13,987	23,272	167
Partially deaf	51,861	4,371	47,330	160
Ability to speak:				
Well	55,501	3,965	51,374	162
Imperfectly	9,417	4,566	4,809	42
Not at all	24,369	9,827	14,419	123
Sex:				
Male	46,915	9,998	36,741	176
Female	42,372	8,360	33,861	151
Race:				
White	84,361	16,702	67,397	262
Colored	4,926	1,656	3,205	65
Nativity of whites:				
Native	69,865	15,507	54,183	175
Foreign born	13,786	835	12,910	41
Unknown	710	360	304	46
School attendance:				
Attended school	65,717	14,290	51,228	199
Did not attend school	13,557	3,716	9,768	73
Not stated	10,013	352	9,606	55
Attended school:				
Kind of school—				
Special	25,197	11,349	13,753	95
Other	19,664	2,581	17,029	54
Both	237	57	178	2
Not stated	20,619	303	20,268	48

TABLE LX.—THE DEAF, BY AGE WHEN DEAFNESS OCCURRED AND PRESENT AGE.

AGE WHEN DEAFNESS OCCURRED.	Total.	PRESENT AGE.											
		Under 20.	20 and over.	Unknown.	Under 5.	5 and under 10.	10 and under 15.	15 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 and under 100.	100 and over.
All ages	89,287	18,358	70,602	327	1,021	4,551	6,710	6,076	19,457	22,172	22,146	6,751	76
Age when deafness occurred:													
Unknown	3,067	.....	3,014	53	.....	.....	.....	.....	617	886	1,164	344	3
Indefinitely stated	4,630	1,049	3,554	27	57	241	421	330	467	748	1,434	890	15
Definitely stated	81,590	17,309	64,034	247	964	4,310	6,289	5,746	18,373	20,538	19,548	5,517	58
Birth	14,474	7,232	7,173	69	479	1,885	2,652	2,216	3,987	2,275	835	76	.....
After birth, under 2	7,396	4,039	3,344	13	276	1,175	1,418	1,170	2,339	791	206	8	.....
2 and under 5	10,536	3,882	6,627	27	209	958	1,450	1,265	4,056	1,854	662	55	.....
Under 5	32,406	15,153	17,144	109	964	4,018	5,520	4,651	10,382	4,920	1,703	139	.....
5 and under 10	7,018	1,567	5,428	23	.....	292	618	657	2,582	1,882	888	76	.....
10 and under 15	4,464	485	3,969	10	.....	.....	151	334	1,562	1,523	788	96	.....
15 and under 20	4,061	104	3,939	18	.....	.....	.....	104	1,335	1,794	714	96	.....
Under 20	47,949	17,309	30,480	160	964	4,310	6,289	5,746	15,861	10,119	4,093	407	.....
20 and under 40	16,588	.....	16,548	40	.....	.....	.....	.....	2,512	7,834	5,800	402	.....
40 and under 60	9,437	.....	9,411	26	.....	.....	.....	.....	.....	2,585	5,782	1,040	4
60 and under 80	6,595	.....	6,578	17	.....	.....	.....	.....	.....	.....	3,873	2,693	12
80 and over	1,021	.....	1,017	4	.....	.....	.....	.....	.....	.....	.....	975	42

TABLE LXI.—*The total population at specified ages compared with the deaf from early childhood.*

PRESENT AGE.	Population of the United States.	THE TOTALLY DEAF FROM EARLY CHILDHOOD (UNDER 5).		
		Total.	Birth.	After birth.
Stated ages	100.0	100.0	100.0	100.0
Under 5	12.1	3.2	3.6	2.9
5 and under 10	11.7	12.5	13.3	11.6
10 and under 15	10.7	16.9	18.2	15.7
15 and under 20	10.0	14.5	15.4	13.7
20 and under 25	9.7	9.3	9.0	9.6
25 and under 30	8.6	9.3	7.1	11.4
30 and under 35	7.3	7.5	6.0	9.0
35 and under 40	6.5	7.1	5.6	8.6
40 and under 45	5.6	5.0	5.2	4.8
45 and under 50	4.6	3.9	4.1	3.7
50 and under 55	3.9	3.4	3.9	3.0
55 and under 60	2.9	2.6	2.7	2.4
60 and under 65	2.4	1.9	2.2	1.5
65 and under 70	1.7	1.3	1.6	0.9
70 and under 75	1.2	0.8	1.1	0.6
75 and under 80	0.7	0.5	0.6	0.4
80 and under 85	0.3	0.2	0.3	0.1
85 and under 90	0.1	0.1	0.1	0.1
90 and under 95	(1)	(1)	(1)	(1)
95 and under 100	(1)	(1)	(1)	.....
100 and over	(1)	.....	.....	.....

[1] Less than one-tenth of 1 per cent.

TABLE LXII.—*The number deaf, by present age groups, for states and territories.*

STATE OR TERRITORY.	Total.	PRESENT AGE.		
		Under 20.	20 and over.	Unknown.
Continental United States	89,287	18,358	70,602	327
North Atlantic division	28,632	4,222	24,335	75
New England	8,854	981	7,849	24
Maine	1,257	144	1,110	3
New Hampshire	702	37	724	1
Vermont	723	27	693	3
Massachusetts	4,015	472	3,531	12
Rhode Island	583	83	498	2
Connecticut	1,514	218	1,293	3
Southern North Atlantic	19,778	3,241	16,486	51
New York	9,946	1,713	8,205	28
New Jersey	2,285	276	2,006	3
Pennsylvania	7,547	1,252	6,275	20
South Atlantic division	10,193	2,745	7,385	63
Northern South Atlantic	5,400	1,192	4,179	29
[illegible]	255	28	224	3
[illegible]	1,579	255	1,320	4
[illegible]	507	74	430	3
Virginia	1,913	489	1,410	14
West Virginia	1,146	346	795	5

TABLE LXII.—*The number deaf, by present age groups, for states and territories*—Continued.

STATE OR TERRITORY.	Total.	PRESENT AGE.		
		Under 20.	20 and over.	Unknown.
Southern South Atlantic	4,793	1,553	3,206	34
North Carolina	1,642	626	1,000	16
South Carolina	952	302	648	2
Georgia	1,817	527	1,276	14
Florida	382	98	282	2
North Central division	34,076	6,675	27,301	100
Eastern North Central	21,618	4,013	17,548	57
Ohio	6,080	951	5,116	13
Indiana	3,607	644	2,951	12
Illinois	6,053	1,238	4,794	21
Michigan	3,402	622	2,772	8
Wisconsin	2,476	558	1,915	3
Western North Central	12,458	2,662	9,753	43
Minnesota	1,738	444	1,294	.....
Iowa	2,952	485	2,458	9
Missouri	3,766	849	2,897	20
North Dakota	256	88	164	4
South Dakota	430	100	329	1
Nebraska	1,220	278	937	5
Kansas	2,096	418	1,674	4
South Central division	12,322	3,842	8,408	72
Eastern South Central	6,968	2,039	4,890	39
Kentucky	2,619	720	1,880	19
Tennessee	2,026	664	1,355	7
Alabama	1,333	349	978	6
Mississippi	990	306	677	7
Western South Central	5,354	1,803	3,518	33
Louisiana	1,211	328	877	6
Arkansas	1,317	453	844	20
Indian Territory	228	74	152	2
Oklahoma	282	110	172	.....
Texas	2,316	838	1,473	5
Western division	4,064	874	3,173	17
Rocky Mountain	1,076	289	782	5
Montana	126	48	78	.....
Idaho	146	38	107	1
Wyoming	29	6	23	.....
Colorado	472	123	347	2
New Mexico	303	74	227	2
Basin and Plateau	455	110	343	2
Arizona	51	11	38	2
Utah	343	90	253	.....
Nevada	61	9	52	.....
Pacific	2,533	475	2,048	10
Washington	374	94	280	.....
Oregon	410	86	321	3
California	1,749	295	1,447	7

The North Central division shows the largest number deaf in each age group. The North Atlantic shows the next largest number.

Marital condition.—Table LXIII shows the marital condition of the deaf, classified by age and period of life when deafness occurred, degree of deafness, sex, and deaf relatives.

TABLE LXIII.—NUMBER AND PER CENT DEAF, CLASSIFIED BY MARITAL CONDITION, AGE WHEN DEAFNESS OCCURRED, DEGREE OF DEAFNESS, SEX, AND DEAF RELATIVES.

AGE OR PERIOD OF LIFE WHEN DEAFNESS OCCURRED, DEGREE OF DEAFNESS, SEX, AND DEAF RELATIVES.	Total.	MARITAL CONDITION.									
		Number.					Per cent.				
		Single.	Married.	Widowed.	Divorced.	Unknown.	Single.	Married.	Widowed.	Divorced.	Unknown.
Total	89,287	39,070	34,206	15,331	353	327	43.7	38.3	17.2	0.4	0.4
Period of life when deafness occurred:											
Childhood (under 20)	50,266	34,248	12,924	2,791	147	186	68.1	25.7	5.5	0.3	0.4
Adult life (20 and over)	35,924	3,839	20,030	11,780	189	86	10.7	55.8	32.8	0.5	0.2
Unknown	3,067	983	1,252	760	17	55	32.1	40.8	24.8	0.5	1.8
Degree of deafness:											
Totally deaf	37,426	26,593	8,331	2,195	104	203	71.1	22.3	5.7	0.3	0.6
Partially deaf	51,861	12,477	25,875	13,136	249	124	24.1	49.9	25.3	0.5	0.2
Sex:											
Male	46,915	21,338	19,746	5,480	172	179	45.5	42.1	11.7	0.3	0.4
Female	42,372	17,732	14,460	9,851	181	148	41.8	34.1	23.3	0.4	0.4
Deaf relatives:											
a or *b* relatives	25,851	.....	10,888	.....	.....	.....	.....	42.1	.....	.....	.....
No *a* or *b* relatives	54,630	.....	20,446	.....	.....	.....	.....	37.4	.....	.....	.....
Not stated	8,806	.....	2,872	.....	.....	.....	.....	32.6	.....	.....	.....
Age when deafness occurred:											
Unknown	3,067	983	1,252	760	17	55	32.1	40.8	24.8	0.5	1.8
Indefinitely stated	4,630	1,840	1,407	1,346	14	23	39.7	30.4	29.1	0.3	0.5
Definitely stated	81,590	36,247	31,547	13,225	322	249	44.4	38.7	16.2	0.4	0.3
Birth	14,474	12,106	1,883	401	18	66	83.6	13.0	2.8	0.1	0.5
After birth, under 2	7,396	6,149	1,086	125	14	22	83.1	14.7	1.7	0.2	0.3
2 and under 5	10,536	7,466	2,634	368	26	42	70.9	25.0	3.5	0.2	0.4
Under 5	32,406	25,721	5,603	894	58	130	79.4	17.3	2.7	0.2	0.4
5 and under 10	7,018	3,953	2,447	561	33	24	56.3	34.9	8.0	0.5	0.3
10 and under 15	4,464	1,870	2,031	521	33	9	41.9	45.5	11.7	0.7	0.2
15 and under 20	4,061	1,171	2,291	571	18	10	28.8	56.4	14.1	0.4	0.3
Under 20	47,949	32,715	12,372	2,547	142	173	68.2	25.8	5.3	0.3	0.4
20 and under 40	16,588	2,244	10,903	3,286	119	36	13.5	65.8	19.8	0.7	0.2
40 and under 60	9,437	810	5,327	3,232	44	24	8.6	56.4	34.2	0.5	0.3
60 and under 80	6,595	421	2,710	3,435	16	13	6.4	41.1	52.1	0.2	0.2
80 and over	1,021	57	235	725	1	3	5.6	23.0	71.0	0.1	0.3

The marital condition of the deaf is clearly presented in Table LXIII. As might naturally be expected, the largest number of single persons is found among those who were deaf from childhood, while the proportion of married and widowed is especially large among those who became deaf in adult life. Naturally enough, also, the majority of those who remained single are totally deaf, more than two-thirds of those who are reported single being in the totally deaf class, while three-fourths of those who are married are only partially deaf. In the matter of sex males are in the majority in both the single and married class, but strangely enough there are almost twice as many widows as widowers. This may arise from the fact that the chance of remarriage is doubtless smaller for a deaf woman than for a deaf man, but the principal reason is probably to be found in the occurrence of deafness in old age among the many cases where the wife survives the husband. Whatever the cause of this preponderance may be, it is one of the interesting facts developed by this table.

By contrasting similar figures relating to marriageable population for the deaf and the total population, the following interesting percentages appear:

	Single.	Married.	Widowed.	Divorced.	Unknown.
Total population	36.0	55.5	7.8	0.4	0.3
The deaf	34.8	44.4	19.9	0.5	0.4

The proportion single and married among the deaf is slightly smaller than among the total population, while the proportion widowed is very much larger. Eliminating the deaf under 15 years of age considerably decreases the proportion single and increases the proportion married.

The relation of deafness to marital condition is shown in detail in Table 37.

School attendance.—Table LXIV distributes the deaf by age or period of life when deafness occurred, degree of deafness, sex, and race in relation to school attendance. Unfortunately for purposes of comparison in the total population the deaf are not classified according to literacy and illiteracy. Attendance at school is in reality a most unsatisfactory test, since many persons who have not attended school may be literate, and among the deaf it is likely that a large proportion would come within this class. However, even if it be assumed that only those of the deaf who have attended

school are literate as a class, the deaf show comparatively little illiteracy. In 79,274 cases the question as to attendance at school was answered, 65,717, or 73.6 per cent, attending, and 13,557, or 15.2 per cent, not attending; while in 10,013 cases no answer was received. There are practical reasons, indeed, why illiteracy among deaf persons should be less than among the general population, since writing necessarily forms for many the principal medium of communication. Persons who are totally deaf usually employ the sign-language or communicate by writing, the acquisition of one being about as easy as the other. In the case of the deaf, therefore, there is a definite and personal reason which operates against illiteracy. The white race shows a much larger per cent attending school than the colored.

TABLE LXIV.—NUMBER AND PER CENT DEAF, CLASSIFIED BY SCHOOL ATTENDANCE, DEGREE OF DEAFNESS, SEX, RACE, AND AGE WHEN DEAFNESS OCCURRED.

AGE OR PERIOD OF LIFE WHEN DEAFNESS OCCURRED, DEGREE OF DEAFNESS, SEX, RACE, AND PRESENT AGE.	Total.	SCHOOL ATTENDANCE.					
		Number.			Per cent.		
		Attended school.	Did not attend school.	Not stated.	Attended school.	Did not attend school.	Not stated.
Total	89,287	65,717	13,557	10,013	73.6	15.2	11.2
Period of life when deafness occurred:							
Childhood (under 20)	50,296	40,448	7,974	1,874	80.4	15.9	3.7
Adult life (20 and over)	35,924	23,700	5,109	7,115	66.0	14.2	19.8
Unknown	3,067	1,569	474	1,024	51.1	15.5	33.4
Degree of deafness:							
Totally deaf	37,426	29,348	6,480	1,598	78.4	17.3	4.3
Partially deaf	51,861	36,369	7,077	8,415	70.1	13.7	16.2
Sex:							
Male	46,915	35,476	6,987	4,452	75.6	14.9	9.5
Female	42,372	30,241	6,570	5,561	71.4	15.5	13.1
Race:							
White	84,361	63,680	11,027	9,654	75.5	13.0	11.5
Colored	4,926	2,037	2,530	359	41.3	51.4	7.3
Age when deafness occurred:							
Unknown	3,067	1,569	474	1,024	51.2	15.4	33.4
Indefinitely stated	4,630	2,831	726	1,073	61.1	15.7	23.2
Definitely stated	81,590	61,317	12,357	7,916	75.2	15.1	9.7
Birth	14,474	10,541	3,436	497	72.8	23.8	3.4
After birth, under 2	7,396	6,076	1,218	102	82.1	16.5	1.4
2 and under 5	10,536	8,983	1,308	245	85.3	12.4	2.3
Under 5	32,406	25,600	5,962	844	79.0	18.4	2.6
5 and under 10	7,018	5,858	843	317	83.5	12.0	4.5
10 and under 15	4,464	3,758	438	268	84.2	9.8	6.0
15 and under 20	4,061	3,401	385	275	83.7	9.5	6.8
Under 20	47,949	38,617	7,628	1,704	80.5	15.9	3.6
20 and under 40	16,588	12,929	1,725	1,934	77.9	10.4	11.7
40 and under 60	9,437	6,199	1,476	1,762	65.7	15.6	18.7
60 and under 80	6,595	3,248	1,270	2,077	49.2	19.3	31.5
80 and over	1,021	324	258	439	31.7	25.3	43.0
Present age:							
Under 20	18,358	14,290	3,716	352	77.8	20.3	1.9
20 and over	70,902	51,228	9,768	9,606	72.6	13.8	13.6
Not stated	327	199	73	55	60.9	22.3	16.8

Those whose present age is under 20 show 77.8 per cent who have attended school, as against 72.6 per cent of those 20 years of age and over.

Table LXV shows the deaf who have attended school, by kind of school, age or period of life when deafness occurred, degree of deafness, sex, race, and present age.

In 20,619 cases the kind of school attended was not stated. Of those who did state kind of school, the larger part had attended special schools. This was to be expected, in view of the fact that the great majority of those who reported schooling (40,448 out of 65,717) became deaf in childhood.

Of the totally deaf, 77.5 per cent, and of the partially deaf only 6.8 per cent, attended special schools.

A slightly greater proportion of the males than of the females attended special schools, 39 and 37.5 per cent, respectively, the latter exceeding in the proportion who have attended other schools.

Of those who lost hearing before 5 years of age, 81.5 per cent attended special schools, this proportion decreasing rapidly as age when deafness occurred increases. The percentage who did not state kind of school attended increases as the age when deafness occurred increases.

TABLE LXV.—NUMBER AND PER CENT OF DEAF ATTENDING SCHOOL, CLASSIFIED BY AGE WHEN DEAFNESS OCCURRED, DEGREE OF DEAFNESS, SEX, RACE, PRESENT AGE, AND KIND OF SCHOOL.

AGE OR PERIOD OF LIFE WHEN DEAFNESS OCCURRED, DEGREE OF DEAFNESS, SEX, RACE, AND PRESENT AGE.	Total.	NUMBER ATTENDING SCHOOL.				PER CENT ATTENDING SCHOOL.			
		Special.	Other.	Both.	Not stated.	Special.	Other.	Both.	Not stated.
Total	65,717	25,197	19,664	237	20,619	38.3	29.9	0.4	31.4
Period of life when deafness occurred:									
Childhood (under 20)	40,448	24,846	10,826	225	4,551	61.4	26.7	0.6	11.3
Adult life (20 and over)	23,700	125	8,336	10	15,229	0.5	35.2	(1)	64.3
Unknown	1,569	226	502	2	839	14.4	32.0	0.1	53.5
Degree of deafness:									
Totally deaf	29,348	22,734	3,827	181	2,606	77.5	13.0	0.6	8.9
Partially deaf	36,369	2,463	15,837	56	18,013	6.8	43.5	0.2	49.5
Sex:									
Male	35,476	13,851	10,441	132	11,052	39.0	29.4	0.4	31.2
Female	30,241	11,346	9,223	105	9,567	37.5	30.5	0.4	31.6
Race:									
White	63,680	24,308	18,974	236	20,162	38.2	29.8	0.4	31.6
Colored	2,037	889	690	1	457	43.6	33.9	0.1	22.4
Age when deafness occurred:									
Unknown	1,569	226	502	2	839	14.4	32.0	0.1	53.5
Indefinitely stated	2,831	893	1,057	6	875	31.6	37.3	0.2	30.9
Definitely stated	61,317	24,078	18,105	229	18,905	39.3	29.5	0.4	30.8
Birth	10,541	9,232	953	29	327	87.6	9.0	0.3	3.1
After birth, under 2	6,076	5,110	799	28	139	84.1	13.1	0.5	2.3
2 and under 5	8,983	6,521	1,908	47	507	72.6	21.2	0.5	5.7
Under 5	25,600	20,863	3,660	104	973	81.5	14.3	0.4	3.8
5 and under 10	5,858	2,511	2,448	60	839	42.9	41.8	1.0	14.3
10 and under 15	3,758	488	2,192	40	1,038	13.0	58.3	1.1	27.6
15 and under 20	3,401	96	1,895	15	1,395	2.8	55.7	.5	41.0
Under 20	38,617	23,958	10,195	219	4,245	62.0	26.4	0.6	11.0
20 and under 40	12,929	78	4,838	10	8,003	0.6	37.4	0.1	61.9
40 and under 60	6,199	30	1,888	.....	4,281	0.5	30.4	.....	69.1
60 and under 80	3,248	12	1,040	.....	2,196	0.4	32.0	.....	67.6
80 and over	324	.....	144	.....	180	.....	44.4	.....	55.6
Present age:									
Under 20	14,290	11,349	2,581	57	303	79.4	18.1	0.4	2.1
20 and over	51,228	13,753	17,029	178	20,268	26.8	33.2	0.4	39.6
Not stated	199	95	54	2	48	47.8	27.1	1.0	24.1

[1] Less than one-tenth of 1 per cent.

Occupations.—The same classification of occupations was adopted for the deaf as was used for the general population at the Twelfth Census. A comparison is therefore possible of the deaf and of the total population 10 years of age and over gainfully employed.

	Total number 10 years of age and over.	Number gainfully employed.	Per cent.
Total population	57,949,824	29,073,233	50.2
The deaf	83,388	32,142	38.5

These figures indicate that deafness is a drawback to some extent in securing employment; but they also show that the deaf as a class are by no means a burden upon the community. Few of the deaf who are under 20 years of age are engaged in gainful occupations (Table LXXII); but this is no discredit to them, for the vast majority of these cases are attending school (Table LXIV). Of those over 20 years of age 43 per cent are engaged in gainful occupations—for Table LIX shows a total of 70,602 who are over 20 years of age, and Table LXXIII shows that 30,353 of these, or 43 per cent, are engaged in gainful occupations.

Table LXVI shows the number and per cent of the deaf in each occupation contrasted with the per cent of the total population in each group.

TABLE LXVI.—*Number and per cent of deaf and per cent of total population in each group of occupations.*

CLASS OF OCCUPATIONS.	THE DEAF.		Per cent of total population.
	Number.	Per cent.	
All occupations	32,142	100.0	100.0
Agricultural pursuits	14,068	43.8	35.7
Manufacturing and mechanical pursuits	9,442	29.4	24.4
Domestic and personal service	5,316	16.5	19.2
[illegible]	2,236	6.9	16.4
[illegible]	1,080	3.4	4.3

Of the deaf gainfully employed, 89.7 per cent are found in the three groups in which perfect or even partial hearing is not essential, while in the two remaining groups—trade and transportation and professional service—which require hearing and speaking power, only a small proportion of the deaf (10.3 per cent) report employment.

That the degree of deafness considerably affects the occupation is shown in Table LXVII.

TABLE LXVII.—*Number and per cent of the deaf in each group of occupations, by degree of deafness.*

CLASS OF OCCUPATIONS.	TOTAL.		DEGREE OF DEAFNESS.			
			Totally deaf.		Partially deaf.	
	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.
All occupations	32,142	100.0	12,678	39.4	19,467	60.6
Agricultural pursuits	14,068	100.0	4,761	33.8	9,307	66.2
Manufacturing and mechanical pursuits	9,442	100.0	4,583	48.5	4,859	51.5
Domestic and personal service	5,316	100.0	2,395	45.1	2,921	54.9
Trade and transportation	2,236	100.0	552	24.6	1,684	75.4
Professional service	1,080	100.0	387	35.8	693	64.2

The percentage for professional service is high because it includes teachers, professors in colleges, etc., and artists and teachers of art. The teachers show a very large per cent totally deaf (206 out of 294), the majority of whom probably are instructors in schools for the deaf. In nearly every other kind of professional service the totally deaf constitute a very small minority.

Table LXVIII shows the obvious connection between school attendance and the opportunity for obtaining gainful employment.

TABLE LXVIII.—*Number and per cent of the deaf and of the deaf gainfully employed, classified according to schooling.*

	TOTAL NUMBER OF DEAF.		DEAF GAINFULLY EMPLOYED.	
	Number.	Per cent.	Number.	Per cent.
Aggregate	89,287	100.0	32,142	100.0
Schooling	65,717	73.6	26,030	81.0
No schooling	13,557	15.2	3,950	12.3
Not stated	10,013	11.2	2,162	6.7

The deaf who have attended school show a much larger per cent of their number pursuing gainful occupations than of those who have not attended school.

The kind of employment—whether skilled or unskilled—is also largely determined by school attendance. In Table LXIX the number in each group of occupations is distributed according to schooling.

TABLE LXIX.—*Number and per cent of deaf gainfully employed, by class of occupations, in relation to schooling.*

CLASS OF OCCUPATIONS.	DISTRIBUTION ACCORDING TO SCHOOLING.							
	Total.		Schooling.		No schooling.		Not stated.	
	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.
All occupations	32,142	100.0	26,030	81.0	3,950	12.3	2,162	6.7
Agricultural pursuits	14,068	100.0	10,668	75.8	2,294	16.3	1,106	7.9
Professional service	1,080	100.0	1,037	96.0	16	1.5	27	2.5
Domestic and personal service	5,316	100.0	3,903	73.4	988	18.6	425	8.0
Trade and transportation	2,236	100.0	1,979	88.5	119	5.3	138	6.2
Manufacturing and mechanical pursuits	9,442	100.0	8,443	89.4	533	5.7	466	4.9

Those engaged in professional service, manufacturing and mechanical pursuits, and trade and transportation show a very large percentage of their number schooled, ranking in this respect in the order named; while those in agricultural pursuits show next lowest, and those in domestic and personal service, the smallest percentage schooled. In the last two classes of occupations lack of schooling is no great drawback, while in the remaining three it is almost a total disqualification.

Unfortunately for purposes of comparison, the kind of school was not stated in over one-third of the cases. This failure to state kind of school was particularly marked among those in agricultural and in manufacturing and mechanical pursuits.

In Tables LXXII, LXXIII, and LXXIV the occupations of the deaf are given in detail.

Table LXX shows the deaf, by present age (10 and over, and 20 and over), period of life when deafness occurred, and degree of deafness, giving the number and percentage of each class who are employed in gainful occupations.

TABLE LXX.—*The number and per cent of the deaf 10 years of age and over gainfully employed, classified by present age, period of life when deafness occurred, and degree of deafness.*

PRESENT AGE, PERIOD OF LIFE WHEN DEAFNESS OCCURRED, AND DEGREE OF DEAFNESS.	Total.	GAINFULLY EMPLOYED.	
		Number.	Per cent.
Present age 10 years and over	83,388	32,142	38.5
Period of life when deafness occurred:			
Childhood (under 20)	44,549	18,073	40.6
Adult life (20 and over)	35,825	13,172	36.8
Unknown	3,014	897	29.8
Degree of deafness:			
Totally deaf	32,831	12,678	38.1
Partially deaf	50,557	19,464	38.5
Present age 20 years and over	70,602	30,353	43.0
Period of life when deafness occurred:			
Childhood (under 20)	31,763	16,405	51.6
Adult life (20 and over)	35,825	13,172	36.8
Unknown	3,014	776	25.7
Degree of deafness:			
Totally deaf	23,272	11,670	50.1
Partially deaf	47,330	18,683	39.5

From this table it appears that the deaf from childhood are more self-supporting than the deaf from adult life.

This is specially surprising when we consider the fact that the deaf from childhood include practically all of the deaf and dumb, and that most of them are totally deaf; whereas the deaf from adult life include none of the deaf and dumb (at least substantially none), and most of them are only partially deaf.

Of the deaf from childhood who were over 10 years of age, 40.6 per cent were gainfully employed, and of the deaf from adult life only 36.8 per cent (Table LXX).

These figures, however, do not fully express the discrepancy between the two classes in this respect; for all of the deaf from adult life were, of course, 20 years of age or over, because they did not lose hearing until after reaching that age; whereas many of the deaf from

childhood (12,786) were between 10 and 20 years of age, and comparatively few of these were earning their livelihood, because most were in school.

Of the deaf from childhood who were 20 years of age or over, the majority (51.6 per cent) were gainfully employed, against 36.8 per cent of the deaf from adult life (Table LXX).

Of the totally deaf who were 20 years of age or over (most of whom were deaf from childhood) 50.1 per cent were earning their livelihood, but only 39.5 per cent of the partially deaf (most of whom became deaf in adult life). (Table LXX.)

The deaf from adult life are undoubtedly better equipped by nature for the task of earning a livelihood, for most of them possess perfect speech and partial hearing; and yet the deaf from childhood seem to be more successful in this respect.

The explanation for this apparently anomalous condition of affairs seems to lie in the fact that many persons who become deaf in adult life fail to accommodate themselves to the new condition of deafness. They lose their positions on account of increasing deafness; and feeling themselves to be too old to begin life all over again in their crippled condition by seeking some new occupation with which deafness would not interfere, they lose heart and drop out of the struggle, becoming dependent upon their friends for support, or living upon the savings of former years, without entering into new pursuits.

In the case of the deaf from childhood, however, the accommodation to the environment has become complete before the dawn of adult life. Many of these persons have never experienced any other condition than that of deafness; and most of them enter upon the duties and responsibilities of adult life with that feeling of buoyancy and hope that is so characteristic of youth.

Nor should we neglect to notice in this connection the powerful influence exerted on the deaf from childhood by the special schools which have been established for their benefit.

The sentiment is very early instilled into their minds that these schools are not in any sense "asylums" or "charitable institutions," but simply "schools" for their education, analogous to the ordinary public schools of the country; and that they themselves are not—and never should be—objects of charity. The spirit of dependence is discouraged; and every effort made to stimulate a spirit of independence and self-help. The pupils are led to believe that it is the duty of every deaf boy and girl to learn some means of livelihood; and that a stigma attaches to those who become a burden upon their friends or the public.

Sentiment counts for a great deal with the young; but the special schools go further than this by providing manual training and art instruction for advanced pupils.[1]

These schools very generally teach the use of tools and give manual training in the form of sloyd. Mechanical drawing, too, and art instruction are given to those who manifest abilities in these lines. Many of our schools support special trade shops in which specific occupations are taught, like shoemaking, cabinetmaking, etc., although it is perhaps doubtful whether this specialization of manual training during school life is of as much value to the deaf as instruction of a more general character, embracing elements that are common to a number of trades. Comparatively few of the deaf from childhood pursue in adult life the specific occupations they were taught in school; and the very great variety in the occupations actually pursued seems to render diversity rather than specialization a desirable aim during the school period, leaving specialization into a specific occupation to come later in life, through actual work in ordinary shops, which are more likely to be up-to-date in their methods of work than the trade shops of the schools, which do not feel the stimulating effects of competition.

The Census tables relating to occupation reveal the astonishing fact that there are extremely few occupations pursued by the people of the United States in which deaf persons do not find employment. This is not only surprising, but at the same time encouraging, as widening the scope of possible usefulness for the deaf.

There can be no question that the industrial training provided by our special schools has been of material assistance to their pupils in securing employment in adult life, and it is specially worthy of notice in this connection that very many of the deaf from childhood have had the opportunity of taking this training, whereas hardly any of the deaf from adult life have attended special schools.

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[1] *Industries taught in American schools for the deaf.*—Architectural drawing, art, baking, barbering, basket making, blacksmithing, bookbinding, bricklaying, broom making, cabinetmaking, calcimining, carpentry, chalk engraving, cementing, chair making, china painting, construction work, cooking, clay modeling, coopery, domestic science, drawing, dressmaking, electricity, embroidery, engineering, fancy work, farming, floriculture, [illegible] handicraft, harness making, house decoration, [illegible] housework, horticulture, illuminating, ironing, knitting, lace making, manual training, mattress making, millinery, needlework, painting, paper hanging, plastering, plate engraving, photography, printing, pyrography, raffia, sewing, shoemaking, sign painting, sloyd, stone laying, tailoring, tinwork, typewriting, venetian iron work, weaving, wood carving, wood engraving, wood turning, woodworking, working in iron, and the use of tools.—*From the American Annals of the Deaf.*

Out of 35,924 persons who became deaf in adult life, only 135 attended special schools; whereas out of 50,296 persons deaf from childhood, 25,071 received training in special schools (including 225 who attended both special and other schools). (Table 2.)

From this it appears probable that our special schools for the deaf are mainly responsible for the fact that the deaf from childhood no longer constitute a dependent class. The majority, or 51.6 per cent, are gainfully employed in adult life. The percentage rightfully entitled to be regarded as self-supporting is even larger than this, for the chief occupation reported by married females ("keeping house") has not been included among gainful occupations.

TABLE LXXI.—*The number and per cent of the deaf 10 years of age and over gainfully employed, classified by ability to speak and degree of deafness.*

ABILITY TO SPEAK AND DEGREE OF DEAFNESS.	Total.	GAINFULLY EMPLOYED.	
		Number.	Per cent.
The deaf 10 years of age and over	83,388	32,142	38.5
Ability to speak:			
Well	54,506	21,274	39.0
Imperfectly	8,152	2,722	33.4
Not at all	20,730	8,146	39.3
Totally deaf	32,831	12,678	38.1
Ability to speak:			
Well	7,727	3,094	40.0
Imperfectly	5,084	1,626	32.0
Not at all	20,020	7,958	34.7
Partially deaf	50,557	19,464	38.5
Ability to speak:			
Well	46,779	18,180	38.9
Imperfectly	3,068	1,096	35.7
Not at all	710	188	26.5

Table LXXI shows the deaf who are 10 years of age or over, by ability to speak and degree of deafness; giving the number and percentage of each class who are employed in gainful occupations.

Out of 62,658 deaf persons 10 years of age or over who were able to speak, 23,996, or 38.3 per cent, were employed in gainful occupations. Out of 20,730 deaf persons who were unable to speak, 8,146, or 39.3 per cent were gainfully employed (Table LXXI).

It thus appears that the deaf and dumb, as a class, are more self-supporting than the deaf who speak.

This is rather a startling conclusion; and it is very easy to draw false inferences from the fact. It can hardly be doubted that the deaf who speak, even imperfectly, have some advantage over those who can not speak at all; so that it is obvious that the above result arises, not from the difference of speaking power, but from other differences not specified in the table.

The fact of the matter is that all of the deaf and dumb were deaf from childhood; whereas the majority of the deaf who speak lost hearing in adult life. The deaf from adult life are inferior in self-supporting power—not of course, because they can speak, but because of other conditions referred to more particularly in remarks concerning Table LXX; and the deaf and dumb are superior in this respect—not because they are dumb, but because of the industrial training they have received in special schools.

In order to ascertain the influence of speech upon employment, we should eliminate the deaf from adult life and study the occupations of the deaf from childhood who speak well, imperfectly, or not at all, so as to have no other substantial point of difference between the classes considered, excepting their ability to speak. Unfortunately the tabulated returns do not give us the information desired.

We can ascertain the period of life when deafness occurred, and the present age, of the deaf who speak well, imperfectly, or not at all; and also of the deaf who are gainfully employed, but we have no tables correlating the results. We may gain some light upon the subject, however, from the consideration of the fact that the totally deaf consist mainly of persons deaf from childhood, so that the totally deaf cases noted in Table LXXI were probably all deaf from childhood. Of those who could speak well, 40 per cent were employed in gainful occupations; whereas only 34.7 per cent of those who were deaf and dumb were gainfully employed. The ability to speak well was evidently of advantage.

The advantage is not so obvious in the case of the totally deaf who speak imperfectly, of whom only 32 per cent were gainfully employed. It should be remembered, however, that in these cases we are dealing largely with persons who have acquired speech artificially by instruction in school, and that the table includes many persons who are between 10 and 20 years of age.

Articulation teaching is of so comparatively recent origin that most of the deaf who have acquired speech artificially by instruction in schools are still quite young, few having passed middle life; whereas the deaf and dumb, and the deaf who speak well, contain persons of all ages—even up to extreme old age.

The difference between the three classes in respect to age may be illustrated by taking the aggregates given in Table LXXI (composed of persons 10 years of age or over), and showing the number and percentage who are 20 years of age or over:

CLASS.	10 years of age and over.	20 years of age and over.	Percentage 20 years of age and over.
Aggregate gainfully employed	32,142	30,353	94.4
Speak well	54,506	51,376	94.2
Imperfectly	8,152	4,809	59.0
Not at all	20,730	14,419	69.5

As more than 94 per cent of the aggregate gainfully employed are 20 years of age or over, it follows that the number 20 years of age or over who are gainfully employed among the three classes named (the deaf who speak well, imperfectly, or not at all) would be only slightly changed from the figures of the table (Table LXXI); but the percentage gainfully employed would be considerably increased in the case of the deaf who speak imperfectly—in fact, almost doubled—because it would be based upon a smaller total little more than half its former value (59 per cent).

Not only does ability to speak affect the opportunity for engaging in pursuits in general, but it also, in a large measure, determines the choice of occupation. The following percentages are taken from Table 47, and show the percentage of the deaf who speak well, imperfectly, or not all, who are engaged in the principal groups of occupations:

OCCUPATION.	ABILITY TO SPEAK.		
	Well.	Imperfectly.	Not at all.
All occupations	100.0	100.0	100.0
Agricultural pursuits	46.1	40.9	38.6
Professional service	4.1	2.5	1.8
Domestic and personal service	14.7	19.3	20.4
Trade and transportation	8.8	3.6	3.3
Manufacturing and mechanical pursuits	26.3	33.7	35.9

The advantage of speech is most manifest in agricultural pursuits, professional service, and trade and transportation; the percentage employed in these occupations being greatest among those who speak well, least among those who do not speak at all, and intermediate among those who speak imperfectly. On the other hand, speech does not seem to be of so much consequence in domestic and personal service and manufacturing and mechanical pursuits, the order of the percentages being reversed.

TABLE LXXII.—THE DEAF, 10 YEARS OF AGE AND OVER, ENGAGED IN EACH OCCUPATION AND CLASS OF OCCUPATIONS, BY AGE WHEN DEAFNESS OCCURRED.

OCCUPATION.	Total.	AGE WHEN DEAFNESS OCCURRED.														
		Unknown.	Indefinitely stated.	Definitely stated.	Birth.	After birth, under 2.	2 and under 5.	Under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.
All occupations	32,142	897	1,104	30,141	4,086	2,053	4,003	10,142	3,105	2,118	2,098	17,463	7,227	3,579	1,756	116
Agricultural pursuits	14,068	382	498	13,188	1,871	809	1,324	4,004	1,116	853	838	6,811	3,287	1,937	1,071	82
Agricultural laborers	2,016	50	72	1,894	635	208	313	1,156	230	134	85	1,605	169	81	37	2
Dairymen and dairywomen	29			29		1		1	4	1	2	8	15	4	1	1
Farmers, planters, and overseers	11,428	306	404	10,718	1,196	577	969	2,742	843	667	700	4,952	2,951	1,762	978	75
Gardeners, florists, nurserymen, etc	330	16	17	297	20	6	20	46	18	23	20	107	86	61	40	3
Lumbermen and raftsmen	51		1	50	5	3	7	15	4	6	6	31	13	5	1	
Stock raisers, herders, and drovers	147	3	2	142	7	12	13	32	15	15	15	77	40	17	7	
Turpentine farmers and laborers	4	1		3							3	3				
Wood choppers	52	6	2	44	8	2	1	11	1	5	6	23	8	7	6	
Other agricultural pursuits	11			11			1	1	1	2	1	5	5		1	
Professional service	1,080	30	44	1,006	59	44	127	230	144	94	70	538	288	120	56	4
Actors, professional showmen, etc	23	2	1	20			5	5	4	2	2	13	6		1	
Architects, designers, draftsmen, etc	46		1	45	1	2	7	10	5	5	2	22	18	2	3	
Artists and teachers of art	114	2	2	110	10	11	32	53	20	12	4	89	16	4	1	
Clergymen	116	2	9	105	1	1	5	7	9	8	6	30	33	25	14	3
Dentists	20		2	18		1	2	3	1	2	2	8	8	2		
[illegible]	18	1		17	1		2	3	2	1		6	10	1		
[illegible]	43	2		41	1			1	2	3	9	15	13	9	4	
[illegible]	54	2	2	50		1	3	4	11	9	4	28	18	4		
Lawyers	90	4	3	83		1	2	3	2	5	6	17	41	14	10	1
Literary and scientific persons	40	1	1	38	1		2	3	6	2	3	14	16	7	1	
Musicians and teachers of music	39	1	4	34	1		3	4	2	5	8	19	12	3		
[illegible]	62	4	1	57	3		2	5	7	2	8	22	18	15	2	
[illegible]	106	4	6	96	1		4	5	4	3	8	20	37	27	12	
[illegible]	294	5	11	278	39	27	57	123	64	34	8	229	35	6	8	
[illegible]	15		1	14			1	1	4	1		6	7	1		
Domestic and personal service	5,316	187	195	4,934	856	336	720	1,912	588	369	345	3,214	1,095	444	170	11
Barbers and hairdressers	122	3	1	118	12	19	31	62	13	7	7	89	21	6	2	
Bartenders	9		1	8		1		1	1	1	3	6	2			
Boarding and lodging house keepers	125	4	7	114	3	1	4	8	7	8	5	28	55	27	3	1
Hotel keepers	96	1	6	89	3	1	5	9	6	3	3	21	33	21	14	
Housekeepers and stewards	230	7	10	213	35	16	30	81	26	9	12	128	60	18	7	
Janitors and sextons	74	3	4	67	4	2	4	10	3	4	6	23	31	11	2	
Laborers (not specified)	2,718	98	96	2,524	424	187	386	997	291	175	178	1,641	546	229	101	7
Launderers and laundresses	452	19	12	421	63	12	59	134	57	47	35	273	102	36	10	
Nurses and midwives	57	4	2	51	2	3	4	9	3	1	4	17	18	8	8	
Restaurant keepers	21			21		1	3	4	3	1	3	11	6	3	1	
Saloon keepers	26	3	1	22	1			1	2	1	3	7	5	9	1	
Servants and waiters	1,303	42	48	1,213	301	92	188	581	172	101	80	934	191	69	17	2
[illegible]	3			3							2	2	1			
[illegible]	48	3	5	40	2		2	4	2	5	1	12	18	5	4	1
Other domestic and personal service	32		2	30	6	1	4	11	2	6	3	22	6	2		
Trade and transportation	2,236	61	92	2,083	129	76	206	411	187	171	226	995	661	304	117	6
Agents	231	10	14	207	14	4	15	33	11	17	21	82	68	39	17	1
Bankers and brokers	119	4	8	107	3	2	4	9	5	6	8	28	37	20	20	2
Boatmen and sailors	45	1	2	42	2		4	6	3	2	5	16	11	8	7	
Bookkeepers and accountants	124	3	4	117	5	3	6	14	17	17	12	60	38	15	4	
Clerks and copyists	263	1	10	252	20	18	32	70	30	25	33	158	70	20	4	
Commercial travelers	33	1	2	30	3	2	2	7	4	1	5	17	10	3		
Draymen, hackmen, teamsters, etc	206	10	7	189	18	8	24	50	18	16	17	101	58	25	5	
Foremen and overseers	3			3			2	2	1			3				
[illegible]	47	3	1	43	10	1	11	22	3	3	4	32	9		2	
[illegible]	66	1	4	61	7	1	6	14	7	6	6	33	14	9	5	
[illegible]	30	1	1	28		1	3	4	2	3	3	12	9	6	1	
[illegible]	710	13	28	669	21	20	51	92	48	48	82	270	230	123	45	1
Merchants and dealers (wholesale)	7			7	1			1	1			2	4		1	
Messengers and errand and office boys	13	2		11	1	1	1	3		4		7	3	1		
Officials of banks and companies	22	2	1	19			2	2	1	1	1	5	9	3	1	1
Packers a[illegible]	26	1		25	2	3	7	12	5	4		21	3	1		
Porters a[illegible]	39		1	38	10	2	4	16	5	2	2	25	10	1	1	1
Salesmen	77	4	4	69	6	3	13	22	4	4	7	37	21	11		
[illegible]	106	3	4	99	3	3	8	14	13	8	12	47	37	11	4	
[illegible]	15			15		2	3	5	3	1	4	13	1	1		
[illegible]	1			1									1			
[illegible]	3			3			1	1			1	2	1			
[illegible]	16			16			1	1		1	2	4	11	1		
[illegible]	13			13	1		1	2	1	1		4	4	5		
[illegible] tion	21	1	1	19	2	2	5	9	5	1	1	16	2	1		
Manufacturing and mechanical pursuits	9,442	237	275	8,930	1,171	788	1,626	3,585	1,070	631	619	5,905	1,896	774	342	13
Building trades	2,000	63	69	1,868	165	123	266	554	178	122	148	1,002	494	240	129	3
Carpenters and joiners	1,121	41	40	1,040	82	63	135	280	82	62	71	495	282	161	99	3
Masons (brick and stone)	203	7	5	191	15	7	12	34	18	20	21	93	56	26	16	
Painters, glaziers, and varnishers	399	10	10	379	42	40	82	164	50	24	27	265	76	31	7	
Paper hangers	30		1	29			5	5	5	3	4	17	11	1		
Plasterers	59	1	4	54	1	1	7	9	8	3	6	26	21	5	2	
Plumbers and gas and steam fitters	20	1	1	18	2	1		3	4	3	3	13	4	1		
Roofers and slaters	7	1		6							2	2	3	1		
Mechanics (not otherwise specified)	161	2	8	151	23	11	25	59	11	7	14	91	41	14	5	
Chemicals and allied products	20		2	18	1	1	1	3	4	1	1	9	4	5		
Oil well and oil works employees	16		1	15			1	1	3	1	1	6	4	5		
Other chemical workers	4		1	3	1	1		2	1			3				

TABLE LXXII.—THE DEAF, 10 YEARS OF AGE AND OVER, ENGAGED IN EACH OCCUPATION AND CLASS OF OCCUPATIONS, BY AGE WHEN DEAFNESS OCCURRED—Continued.

OCCUPATION.	Total.	AGE WHEN DEAFNESS OCCURRED.														
		Unknown.	Indefinitely stated.	Definitely stated.	Birth.	After birth, under 2.	2 and under 5.	Under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.
Clay, glass, and stone products	129	3	.....	126	16	9	26	51	13	9	9	82	27	11	6	.....
Brick and tile makers, etc	26	2	.....	24	5	2	5	12	4	1	.....	17	5	1	1	.....
Glassworkers	24	1	.....	23	3	3	3	9	3	3	3	18	4	.....	1	.....
Marble and stone cutters	70	.....	.....	70	6	3	15	24	5	5	5	39	17	10	4	.....
Potters	9	.....	.....	9	2	1	3	6	1	.....	1	8	1	.....	.....	.....
Fishing and mining	350	7	1	342	38	17	34	89	34	32	37	192	92	33	25	.....
Fishermen and oystermen	85	2	.....	83	16	3	3	22	6	7	9	44	25	7	7	.....
Miners and quarrymen	265	5	1	259	22	14	31	67	28	25	28	148	67	26	18	.....
Food and kindred products	297	11	10	276	21	26	35	82	30	22	32	166	72	30	8	.....
Bakers	103	3	1	99	11	14	20	45	13	6	10	74	16	6	3	.....
Butchers	91	4	3	84	4	7	5	16	11	12	9	48	26	10	.....	.....
Butter and cheese makers	6	.....	.....	6	1	.....	.....	1	.....	1	1	3	2	1	.....	.....
Confectioners	36	1	1	34	1	2	4	7	3	3	6	19	9	5	1	.....
Millers	49	3	3	43	1	2	3	6	2	.....	5	13	18	8	4	.....
Other food preparers	12	.....	2	10	3	1	3	7	1	.....	1	9	1	.....	.....	.....
Iron and steel and their products	869	37	22	810	77	42	119	238	85	59	75	457	228	84	39	2
Blacksmiths	348	17	9	322	23	9	18	50	28	21	38	137	115	42	26	2
Iron and steel workers	183	5	4	174	22	13	47	82	24	15	11	132	30	9	3	.....
Machinists	216	7	4	205	21	16	34	71	24	16	15	126	51	21	7	.....
Steam boiler makers	54	7	3	44	1	.....	1	2	2	1	8	13	20	11	.....	.....
Stove, furnace, and grate makers	7	.....	.....	7	.....	2	2	4	1	1	.....	6	1	.....	.....	.....
Tool and cutlery makers	26	1	2	23	4	.....	7	11	3	2	.....	16	6	1	.....	.....
Wheelwrights	24	.....	.....	24	4	2	4	10	2	3	3	18	4	.....	2	.....
Wireworkers	11	.....	.....	11	2	.....	6	8	1	.....	.....	9	1	.....	1	.....
Leather and its finished products	955	16	32	907	192	109	235	536	104	49	35	724	99	61	22	1
Boot and shoe makers and repairers	794	13	29	752	172	92	197	461	95	41	25	622	68	44	17	1
Harness and saddle makers and repairers	110	2	3	105	14	11	26	51	4	4	6	65	22	14	4	.....
Leather curriers and tanners	41	1	.....	40	4	5	10	19	3	4	3	29	9	1	1	.....
Trunk and leather-case makers, etc	10	.....	.....	10	2	1	2	5	2	.....	1	8	.....	2	.....	.....
Liquors and beverages	19	.....	2	17	4	1	4	9	5	2	.....	16	1	.....	.....	.....
Bottlers and soda water makers, etc	13	.....	1	12	1	.....	4	5	4	2	.....	11	1	.....	.....	.....
Brewers and maltsters	3	.....	1	2	1	.....	.....	1	1	.....	.....	2	.....	.....	.....	.....
Distillers and rectifiers	3	.....	.....	3	2	1	.....	3	.....	.....	.....	3	.....	.....	.....	.....
Lumber and its remanufactures	730	12	24	694	98	78	154	330	80	37	38	485	113	63	32	1
Cabinetmakers	180	2	4	174	29	30	47	106	25	7	6	144	14	8	8	.....
Coopers	92	1	.....	91	12	6	20	38	13	5	6	62	21	4	4	.....
Saw and planing mill employees	110	3	5	102	15	3	17	35	10	8	7	60	24	11	7	.....
Other woodworkers	348	6	15	327	42	39	70	151	32	17	19	219	54	40	13	1
Metals and metal products other than iron and steel	204	5	2	197	23	16	48	87	23	14	10	134	42	16	5	.....
Brassworkers	19	2	.....	17	3	1	6	10	2	.....	3	15	1	1	.....	.....
[illegible]	35	1	.....	34	4	5	8	17	2	1	.....	20	9	4	1	.....
[illegible]	17	1	.....	16	1	2	4	7	5	.....	1	13	1	2	.....	.....
[illegible]	65	1	.....	64	6	4	10	20	10	7	3	40	19	4	1	.....
Other metal workers	68	.....	2	66	9	4	20	33	4	6	3	46	12	5	3	.....
Paper and printing	606	12	11	583	113	99	164	376	94	40	18	528	43	8	4	.....
Bookbinders	54	.....	2	52	8	7	20	35	6	1	1	43	7	1	1	.....
Boxmakers (paper)	18	.....	.....	18	2	.....	8	10	2	3	1	16	2	.....	.....	.....
Engravers	27	.....	1	26	3	5	6	14	8	1	.....	23	3	.....	.....	.....
Paper and pulp mill operatives	31	2	.....	29	5	4	7	16	1	1	1	19	8	2	.....	.....
Printers, lithographers, and pressmen	476	10	8	458	95	83	123	301	77	34	15	427	23	5	3	.....
Textiles	2,214	43	64	2,107	317	180	377	874	296	166	160	1,496	425	135	46	5
Bleachery and dye works operatives	13	1	.....	12	1	1	1	3	2	1	1	7	3	2	.....	.....
Carpet factory operatives	45	.....	1	44	7	2	9	18	5	5	4	32	7	3	1	1
[illegible]	136	1	3	132	29	12	21	62	17	9	12	100	24	7	1	.....
[illegible]	31	.....	2	29	5	4	6	15	2	2	1	20	5	2	2	.....
[illegible]	15	.....	.....	15	2	2	3	7	1	2	1	11	4	.....	.....	.....
[illegible]	86	6	2	78	8	6	10	24	14	9	6	53	17	6	2	.....
[illegible]	24	.....	.....	24	3	2	4	9	3	2	1	15	5	2	2	.....
Dressmakers	706	10	22	674	80	51	116	247	99	57	62	465	166	35	8	.....
[illegible]	26	1	1	24	2	1	9	12	4	3	2	21	1	2	.....	.....
[illegible]	53	3	2	48	4	2	8	14	6	8	1	29	15	3	1	.....
Seamstresses	604	14	22	568	93	43	92	228	83	36	42	389	124	44	9	2
Shirt, collar, and cuff makers	34	1	.....	33	9	3	10	22	5	2	1	30	3	.....	.....	.....
Tailors and tailoresses	402	6	7	389	71	49	84	204	53	23	23	303	44	24	17	1
Other textile workers	39	.....	2	37	3	2	4	9	2	7	3	21	7	5	3	1
Miscellaneous industries	1,049	28	36	985	106	87	163	356	124	78	56	614	256	88	26	1
Broom and brush makers	45	2	.....	43	5	3	8	16	9	2	3	30	11	1	1	.....
Charcoal, coke, and lime burners	6	.....	.....	6	.....	.....	.....	.....	.....	2	.....	2	3	1	.....	.....
[illegible]	126	4	4	118	10	2	8	20	7	10	8	45	56	15	2	.....
[illegible]	18	.....	.....	18	2	1	3	6	1	.....	1	8	6	4	.....	.....
[illegible]	248	15	9	224	2	5	20	27	27	15	22	91	83	39	11	.....
[illegible]	27	1	2	24	3	2	5	10	1	.....	1	12	6	4	2	.....
Photographers	55	.....	.....	55	4	8	11	23	7	2	3	35	18	2	.....	.....
[illegible]	12	1	.....	11	3	1	3	7	1	.....	.....	8	3	.....	.....	.....
[illegible]	233	3	11	219	39	30	46	115	39	27	9	190	21	5	3	.....
[illegible]	56	1	1	54	5	6	13	24	7	6	2	39	10	5	.....	.....
[illegible]	223	1	9	213	33	29	46	108	25	14	7	154	39	12	7	1

TABLE LXXIII.—THE DEAF ENGAGED IN EACH OCCUPATION AND CLASS OF OCCUPATIONS, BY DEGREE OF DEAFNESS, ABILITY TO SPEAK, SEX, RACE, AND PRESENT AGE.

OCCUPATION.	Aggregate.	DEGREE OF DEAFNESS.		ABILITY TO SPEAK.			SEX.		RACE.		PRESENT AGE.		
		Totally deaf.	Partially deaf.	Well.	Imperfectly.	Not at all.	Male.	Female.	White.	Colored.	10 and under 20.	20 and over.	Unknown.
All occupations	32,142	12,678	19,464	21,274	2,722	8,146	26,637	5,505	29,831	2,311	1,668	30,353	121
Agricultural pursuits	14,068	4,761	9,307	9,807	1,113	3,148	13,126	942	12,827	1,241	887	13,139	42
Agricultural laborers	2,016	1,218	798	722	309	985	1,813	203	1,516	500	444	1,564	8
Dairymen and dairywomen	29	7	22	27	1	1	22	7	29			29	
[illegible]	11,428	3,366	8,062	8,597	764	2,067	10,721	707	10,742	686	423	10,974	31
[illegible]	330	75	255	277	15	38	314	16	316	14	5	324	1
[illegible]	51	31	20	32	2	17	51		48	3	1	50	
Stock raisers, herders, and drovers	147	41	106	110	14	23	138	9	130	17	10	136	1
[illegible]	4	1	3	3		1	4		2	2		4	
[illegible]	52	18	34	30	7	15	52		33	19	4	47	1
[illegible]	11	4	7	9	1	1	11		11			11	
Professional service	1,080	387	693	869	68	143	832	248	1,058	22	13	1,058	9
Actors, professional showmen, etc.	23	16	7	14	3	6	23		21	2	2	21	
Architects, designers, draftsmen, etc.	46	15	31	41	1	4	45	1	46		1	45	
Artists and teachers of art	114	60	54	68	14	32	51	63	113	1	3	110	1
Clergymen	116	18	98	112	3	1	112	4	108	8		114	2
Dentists	20	3	17	19		1	20		20			20	
Electricians	18	4	14	16	1	1	18		18		1	17	
Engineers (civil, etc.) and surveyors	43	5	38	43			43		43			42	1
Journalists	54	17	37	51	3		47	7	54			54	
Lawyers	90	7	83	87	2	1	89	1	88	2		90	
Literary and scientific persons	40	11	29	38	2		24	16	40		1	39	
[illegible]	39	2	37	38	1		12	27	39		3	36	
[illegible]	62	11	51	56		6	55	7	62			62	
[illegible]	106	10	96	105	1		101	5	104	2		105	1
[illegible]	294	206	88	166	37	91	177	117	287	7	2	288	4
[illegible]	15	2	13	15			15		15			15	
Domestic and personal service	5,316	2,395	2,921	3,130	527	1,659	3,210	2,106	4,548	768	280	4,995	41
Barbers and hairdressers	122	74	48	55	15	52	117	5	110	12	4	118	
Bartenders	9	3	6	7		2	9		9			9	
Boarding and lodging house keepers	125	13	112	118	3	4	17	108	121	4		125	
Hotel keepers	96	18	78	90		6	74	22	95	1	1	94	1
Housekeepers and stewards	230	91	139	158	15	57	10	220	223	7	9	220	1
Janitors and sextons	74	15	59	66	1	7	66	8	71	3		74	
Laborers (not specified)	2,718	1,217	1,501	1,573	264	881	2,587	131	2,424	294	144	2,560	14
Launderers and laundresses	452	210	242	280	40	132	38	414	287	165	12	435	5
Nurses and midwives	57	9	48	48	4	5	6	51	48	9		57	
Restaurant keepers	21	6	15	15	5	1	20	1	19	2		21	
Saloon keepers	26	4	22	24	1	1	26		26			26	
Servants and waiters	1,303	712	591	634	172	497	159	1,144	1,040	263	106	1,177	20
Soldiers, sailors, and marines (U. S.)	3		3	3			3		3			3	
Watchmen, policemen, firemen, etc.	48	6	42	41	3	4	48		48			48	
Other domestic and personal service	32	17	15	18	4	10	30	2	24	8	4	28	
Trade and transportation	2,236	552	1,684	1,866	97	273	2,046	190	2,171	65	77	2,152	7
Agents	231	61	170	197	5	29	200	31	229	2	2	229	
Bankers and brokers	119	18	101	111	3	5	86	33	119			119	
Boatmen and sailors	45	8	37	40	1	4	45		44	1		45	
Bookkeepers and accountants	124	27	97	112	6	6	102	22	123	1	4	120	
Clerks and copyists	263	105	158	192	15	56	241	22	259	4	18	244	1
Commercial travelers	33	8	25	26	2	5	31	2	33			33	
[illegible]	206	56	150	161	15	30	205	1	188	18	13	190	3
[illegible]	3		3	3			2	1	3			3	
[illegible]	47	24	23	25	3	19	47		39	8	4	43	
[illegible]	66	24	42	48	4	14	59	7	66		1	65	
Livery stable keepers	30	3	27	29		1	29	1	30		1	29	
[illegible]	710	115	595	641	23	46	666	44	702	8	11	697	2
[illegible]	7	4	3	5	1	1	7		7			7	
[illegible]	13	6	7	8	2	3	13		12	1	7	6	
Officials of banks and companies	22	4	18	20	1	1	21	1	22			22	
Packers and shippers	26	17	9	13	4	9	22	4	26		2	24	
Porters and helpers (in stores, etc.)	39	22	17	20	1	18	39		24	15	1	38	
[illegible]	77	20	57	63	4	10	70	7	77		3	73	1
[illegible]	106	15	91	96	5	5	101	5	100	6	3	103	
[illegible]	15	3	12	13	1	1	6	9	15		1	14	
[illegible]	1		1	1			1		1			1	
[illegible]	3	1	2	2		1	3		3		1	2	
[illegible]	16		16	16			16		16			16	
[illegible]	13	2	11	11		2	13		13			13	
[illegible] tion	21	9	12	13	1	7	21		20	1	5	16	
Manufacturing and mechanical pursuits	9,442	4,583	4,859	5,602	917	2,923	7,423	2,019	9,227	215	411	9,009	22
Building trades	2,000	738	1,262	1,407	137	456	1,981	19	1,966	34	48	1,946	6
Carpenters and joiners	1,121	371	750	837	65	219	1,114	7	1,102	19	21	1,097	3
Masons (brick and stone)	203	52	151	161	11	31	203		196	7	3	199	1
Painters, glaziers, and varnishers	399	223	176	213	34	152	392	7	395	4	14	383	2
Paper hangers	30	5	25	27	1	2	30		28	2		30	
Plasterers	59	17	42	47	3	9	58	1	58	1	2	57	
Plumbers and gas and steam fitters	20	4	16	15	2	3	20		20		2	18	
Roofers and slaters	7		7	7			7		7			7	
Mechanics (not otherwise specified)	161	66	95	100	21	40	157	4	160	1	6	155	
Chemicals and allied products	20	7	13	15	2	3	18	2	20			20	
Oil well and oil works employees	16	3	13	14	1	1	16		16			16	
Other chemical workers	4	4		1	1	2	2	2	4			4	

TABLE LXXIII.—THE DEAF ENGAGED IN EACH OCCUPATION AND CLASS OF OCCUPATIONS, BY DEGREE OF DEAFNESS, ABILITY TO SPEAK, SEX, RACE, AND PRESENT AGE—Continued.

OCCUPATION.	Aggregate.	DEGREE OF DEAFNESS.		ABILITY TO SPEAK.			SEX.		RACE.		PRESENT AGE.		
		Totally deaf.	Partially deaf.	Well.	Imperfectly.	Not at all.	Male.	Female.	White.	Colored.	10 and under 20.	20 and over.	Unknown.
Clay, glass, and stone products	129	63	66	75	9	45	125	4	127	2	5	124	.....
Brick and tile makers, etc	26	13	13	14	1	11	25	1	25	1	4	22	.....
Glassworkers	24	11	13	13	1	10	22	2	24	.....	1	23	.....
Marble and stone cutters	70	33	37	42	7	21	69	1	69	1	.....	70	.....
Potters	9	6	3	6	.....	3	9	.....	9	.....	.....	9	.....
Fishing and mining	350	103	247	261	22	67	345	5	338	12	15	334	1
Fishermen and oystermen	85	22	63	62	5	18	84	1	81	4	1	83	1
Miners and quarrymen	265	81	184	199	17	49	261	4	257	8	14	251	.....
Food and kindred products	297	118	179	205	22	70	270	27	291	6	18	278	1
Bakers	103	61	42	50	10	43	90	13	102	1	7	96	.....
Butchers	91	23	68	76	3	12	90	1	90	1	8	82	1
Butter and cheese makers	6	2	4	5	.....	1	6	.....	6	.....	.....	6	.....
Confectioners	36	14	22	28	6	2	28	8	36	.....	3	33	.....
Millers	49	8	41	42	1	6	48	1	47	2	.....	49	.....
Other food preparers	12	10	2	4	2	6	8	4	10	2	.....	12	.....
Iron and steel and their products	869	316	553	618	61	190	860	9	851	18	17	850	2
Blacksmiths	348	84	264	293	17	38	347	1	334	14	8	339	1
Iron and steel workers	183	106	77	90	18	75	178	5	182	1	5	178	.....
Machinists	216	87	129	143	20	53	215	1	215	1	3	212	1
Steam boiler makers	54	3	51	52	1	1	54	.....	52	2	.....	54	.....
Stove, furnace, and grate makers	7	4	3	4	.....	3	7	.....	7	.....	.....	7	.....
Tool and cutlery makers	26	12	14	16	3	7	26	.....	26	.....	.....	26	.....
Wheelwrights	24	11	13	15	.....	9	24	.....	24	.....	.....	24	.....
Wireworkers	11	9	2	5	2	4	9	2	11	.....	1	10	.....
Leather and its finished products	955	646	309	364	118	473	914	41	933	22	46	907	2
Boot and shoe makers and repairers	794	559	235	276	98	420	756	38	773	21	41	751	2
Harness and saddle makers and repairers	110	59	51	59	13	38	109	1	109	1	2	108	.....
Leather curriers and tanners	41	22	19	23	6	12	39	2	41	.....	1	40	.....
Trunk and leather-case makers, etc	10	6	4	6	1	3	10	.....	10	.....	2	8	.....
Liquors and beverages	19	15	4	7	.....	12	18	1	18	1	2	17	.....
Bottlers and soda water makers, etc	13	10	3	5	.....	8	12	1	13	.....	2	11	.....
Brewers and maltsters	3	2	1	2	.....	1	3	.....	3	.....	.....	3	.....
Distillers and rectifiers	3	3	.....	.....	.....	3	3	.....	2	1	.....	3	.....
Lumber and its remanufactures	730	392	338	383	66	281	714	16	709	21	31	698	1
Cabinetmakers	180	119	61	71	18	91	180	.....	178	2	11	169	.....
Coopers	92	46	46	51	10	31	91	1	91	1	2	90	.....
Saw and planing mill employees	110	39	71	70	9	31	109	1	107	3	6	104	.....
Other woodworkers	348	188	160	191	29	128	334	14	333	15	12	335	1
Metals and metal products other than iron and steel	204	107	97	121	21	62	201	3	201	3	3	201	.....
[illegible]	19	12	7	10	3	6	18	1	19	.....	.....	19	.....
[illegible]	35	18	17	18	.....	17	35	.....	35	.....	.....	35	.....
[illegible]	17	11	6	9	1	7	16	1	15	2	.....	17	.....
Tin plate and tinware makers	65	23	42	45	9	11	64	1	65	.....	1	64	.....
Other metal workers	68	43	25	39	8	21	68	.....	67	1	2	66	.....
Paper and printing	606	480	126	202	95	309	547	59	604	2	49	553	4
Bookbinders	54	42	12	18	4	32	34	20	54	.....	3	51	.....
Boxmakers (paper)	18	14	4	6	2	10	12	6	18	.....	2	16	.....
[illegible]	27	24	3	13	8	6	27	.....	27	.....	2	25	.....
[illegible]	31	18	13	14	3	14	24	7	30	1	.....	30	1
[illegible]	476	382	94	151	78	247	450	26	475	1	42	431	3
Textiles	2,214	1,101	1,113	1,296	260	658	505	1,709	2,150	64	127	2,084	3
Bleachery and dye works operatives	13	3	10	10	1	2	13	.....	13	.....	.....	13	.....
[illegible]	45	21	24	26	3	16	24	21	45	.....	1	44	.....
[illegible]	136	78	58	66	18	52	64	72	136	.....	13	123	.....
[illegible]	31	21	10	14	6	11	8	23	31	.....	4	27	.....
Silk mill operatives	15	9	6	7	2	6	4	11	15	.....	2	13	.....
Woolen [illegible]	86	35	51	61	6	19	54	32	86	.....	3	82	1
Other textile [illegible]	24	11	13	15	2	7	15	9	20	4	2	22	.....
Dressmakers	706	314	392	466	74	166	2	704	690	16	29	677	.....
Hat and cap makers	26	14	12	14	2	10	16	10	26	.....	.....	26	.....
Milliners	53	16	37	38	7	8	2	51	53	.....	5	48	.....
Seamstresses	604	306	298	347	78	179	1	603	565	39	41	563	.....
Shirt, collar, and cuff makers	34	24	10	13	3	18	8	26	34	.....	3	31	.....
Tailors and tailoresses	402	236	166	190	53	159	283	119	400	2	21	379	2
Other textile workers	39	13	26	29	5	5	11	28	36	3	3	36	.....
Miscellaneous industries	1,049	497	552	648	104	297	925	124	1,019	30	50	997	2
Broom and brush makers	45	29	16	25	5	15	43	2	41	4	4	41	.....
Charcoal, coke, and lime burners	6	1	5	6	.....	.....	6	.....	4	2	.....	6	.....
[illegible]	126	29	97	108	4	14	126	.....	120	6	4	121	1
[illegible]	18	9	9	11	2	5	8	10	18	.....	2	16	.....
[illegible]	248	55	193	208	19	21	243	5	248	.....	.....	248	.....
[illegible]	27	10	17	19	3	5	27	.....	27	.....	1	26	.....
Photographers	55	28	27	35	6	14	47	8	55	.....	.....	55	.....
Rubber factory operatives	12	10	2	5	2	5	9	3	12	.....	1	11	.....
Tobacco and cigar factory operatives	233	162	71	93	36	104	205	28	225	8	17	215	1
Upholsterers	56	31	25	31	5	20	55	1	56	.....	1	55	.....
Other miscellaneous industries	223	133	90	107	22	94	156	67	213	10	20	203	.....

TABLE LXXIV.—THE DEAF ENGAGED IN EACH OCCUPATION AND CLASS OF OCCUPATIONS, BY SCHOOL ATTENDANCE AND KIND OF SCHOOL ATTENDED.

OCCUPATION.	Total.	SCHOOL ATTENDANCE.			KIND OF SCHOOL ATTENDED.			
		Attended school.	Did not attend school.	Not stated.	Special.	Other.	Both.	Not stated.
All occupations	32,142	26,030	3,950	2,162	8,163	8,821	125	8,921
Agricultural pursuits	14,068	10,668	2,294	1,106	2,578	4,016	23	4,051
Agricultural laborers	2,016	1,270	630	116	569	493	6	202
Dairymen and dairywomen	29	23	1	5	2	8		13
Farmers, planters, and overseers	11,428	8,897	1,598	933	1,908	3,324	16	3,649
Gardeners, florists, nurserymen, etc	330	268	32	30	46	102		120
Lumbermen and raftsmen	51	47	1	3	22	12		13
Stock raisers, herders, and drovers	147	120	15	12	22	59	1	38
Turpentine farmers and laborers	4	3	1			1		2
Wood choppers	52	30	16	6	8	13		9
Other agricultural pursuits	11	10		1	1	4		5
Professional service	1,080	1,037	16	27	315	349	26	347
Actors, professional showmen, etc	23	22	1		10	5	1	6
Architects, designers, draftsmen, etc	46	44	1	1	8	20	4	12
Artists and teachers of art	114	111	1	2	56	36	1	18
Clergymen	116	105	4	7	8	44	1	52
Dentists	20	20			2	9		9
Electricians	18	17	1		4	7		6
Engineers (civil, etc.) and surveyors	43	40		3	2	15	2	21
Journalists	54	51	2	1	7	25	2	17
Lawyers	90	87	2	1	2	32	1	52
Literary and scientific persons	40	40			2	21	2	15
Musicians and teachers of music	39	36	2	1	1	25		10
Officials (government)	62	59	1	2	6	23		30
	106	99		7	3	36		60
	294	293	1		204	46	12	31
	15	13		2		5		8
Domestic and personal service	5,316	3,903	988	425	1,369	1,328	12	1,194
Barbers and hairdressers	122	110	7	5	64	24		22
Bartenders	9	9			2	5		2
Boarding and lodging house keepers	125	100	11	14	9	36		55
Hotel keepers	96	73	10	13	6	31		36
[illegible]	230	181	28	21	57	63	1	60
[illegible]	74	63	8	3	8	20		35
[illegible]	2,718	2,015	483	220	741	651	5	618
[illegible]	452	299	112	41	88	103	1	107
[illegible]	57	43	8	6	6	19		18
Restaurant keepers	21	16	3	2	2	7		7
Saloon keepers	26	20	2	4	1	6		13
Servants and waiters	1,303	909	309	85	368	342	5	194
Soldiers, sailors, and marines (U. S.)	3	3				2		1
Watchmen, policemen, firemen, etc	48	37	3	8	5	10		22
Other domestic and personal service	32	25	4	3	12	9		4
Trade and transportation	2,236	1,979	119	138	349	727	15	888
Agents	231	212	8	11	33	73	3	103
Bankers and brokers	119	103	3	13	6	34		63
Boatmen and sailors	45	33	6	6	4	10		19
Bookkeepers and accountants	124	119	1	4	18	54	1	46
Clerks and copyists	263	251	8	4	84	84	3	80
Commercial travelers	33	32	1		7	11		14
Draymen, hackmen, teamsters, etc	206	165	21	20	34	63	1	67
Foremen and overseers	3	2		1		2		
Hostlers	47	28	16	3	7	16		5
Hucksters and peddlers	66	55	4	7	15	17		23
Livery stable keepers	30	26	3	1	3	12		11
Merchants and dealers (except wholesale)	710	643	22	45	70	232	5	336
Merchants and dealers (wholesale)	7	7			2	3		2
Messengers and errand and office boys	13	9	2	2	2	4		3
Officials of banks and companies	22	19		3	1	6	1	11
Packers a[illegible]	26	23	2	1	12	7		4
Porters a[illegible]	39	28	8	3	14	11		3
Salesmen [illegible]	77	69	1	7	16	21	1	31
Steam railroad [illegible]	106	87	12	7	7	37		43
Stenographers	15	15			3	5		7
Street railway [illegible]	1	1						1
Telegraph and [illegible]	3	3				2		1
Telegraph and [illegible]	16	15	1			10		5
Undertakers	13	13			3	4		6
Other persons in trade and transportation	21	21			8	9		4
Manufacturing and mechanical pursuits	9,442	8,443	533	466	3,552	2,401	49	2,441
Building trades	2,000	1,778	102	120	539	545	8	686
Carpenters and joiners	1,121	985	59	77	258	282	4	441
Masons (brick and stone)	203	170	17	16	26	69	1	74
Painters, glaziers, and varnishers	399	377	7	15	183	107	3	84
Paper hangers	30	25	3	2	3	12		10
Plasterers	59	45	9	5	7	14		24
Plumbers and gas and steam fitters	20	20			5	10		5
Roofers and slaters	7	6		1		2		4
Mechanics (not otherwise specified)	161	150	7	4	57	49		44
Chemicals and allied products	20	19		1	7	6		6
Oil well and oil works employees	16	15		1	3	6		6
Other chemical workers	4	4			4			

TABLE LXXIV.—THE DEAF ENGAGED IN EACH OCCUPATION AND CLASS OF OCCUPATIONS, BY SCHOOL ATTENDANCE AND KIND OF SCHOOL ATTENDED—Continued.

OCCUPATION.	Total.	SCHOOL ATTENDANCE.			KIND OF SCHOOL ATTENDED.			
		Attended school.	Did not attend school.	Not stated.	Special.	Other.	Both.	Not stated.
Clay, glass, and stone products	129	118	5	6	50	36	.....	32
Brick and tile makers, etc	26	24	1	1	9	9	.....	6
Glassworkers	24	24	.....	.....	12	6	.....	6
Marble and stone cutters	70	62	4	4	24	19	.....	19
Potters	9	8	.....	1	5	2	.....	1
Fishing and mining	350	279	42	29	52	117	.....	110
Fishermen and oystermen	85	67	15	3	4	31	.....	32
Miners and quarrymen	265	212	27	26	48	86	.....	78
Food and kindred products	297	263	18	16	84	99	.....	80
Bakers	103	96	4	3	49	25	.....	22
Butchers	91	80	6	5	14	40	.....	26
Butter and cheese makers	6	6	.....	.....	2	1	.....	3
Confectioners	36	32	2	2	7	13	.....	12
Millers	49	39	5	5	7	15	.....	17
Other food preparers	12	10	1	1	5	5	.....	.....
Iron and steel and their products	869	763	48	58	228	241	5	289
Blacksmiths	348	295	30	23	35	117	1	142
Iron and steel workers	183	162	9	12	84	38	2	38
Machinists	216	196	4	16	74	56	1	65
Steam boiler makers	54	47	2	5	4	17	.....	26
Stove, furnace, and grate makers	7	7	.....	.....	4	2	.....	1
Tool and cutlery makers	26	24	1	1	10	6	.....	8
Wheelwrights	24	22	2	.....	9	3	1	9
Wireworkers	11	10	.....	1	8	2	.....	.....
Leather and its finished products	955	868	46	41	569	142	3	154
Boot and shoe makers and repairers	794	724	36	34	505	111	3	105
Harness and saddle makers and repairers	110	97	8	5	43	18	.....	36
Leather curriers and tanners	41	38	1	2	15	12	.....	11
Trunk and leather-case makers, etc	10	9	1	.....	6	1	.....	2
Liquors and beverages	19	16	2	1	11	2	.....	3
Bottlers and soda water makers, etc	13	12	1	.....	7	2	.....	3
Brewers and maltsters	3	2	.....	1	2	.....	.....	.....
Distillers and rectifiers	3	2	1	.....	2	.....	.....	.....
Lumber and its remanufactures	730	666	37	27	338	152	5	171
Cabinetmakers	180	175	3	2	118	27	1	29
Coopers	92	79	7	6	34	20	.....	25
[illegible]	110	97	8	5	28	38	1	30
[illegible]	348	315	19	14	158	67	3	87
Metals and metal products other than iron and steel	204	187	11	6	88	43	2	54
[illegible]	19	18	1	.....	12	4	.....	2
[illegible]	35	35	.....	.....	17	5	.....	13
[illegible]	17	15	2	.....	10	4	.....	1
[illegible]	65	59	4	2	15	23	.....	21
Other metal workers	68	60	4	4	34	7	2	17
Paper and printing	606	591	6	9	443	81	9	58
Bookbinders	54	51	1	2	38	9	.....	4
Boxmakers (paper)	18	18	.....	.....	10	4	.....	4
Engravers	27	27	.....	.....	21	2	1	3
Paper and pulp mill operatives	31	25	4	2	13	7	.....	5
Printers, lithographers, and pressmen	476	470	1	5	361	59	8	42
Textiles	2,214	1,950	161	103	781	642	13	514
Bleachery and dye works operatives	13	11	1	1	3	5	.....	3
Carpet factory operatives	45	36	7	2	14	11	1	10
Cotton mill operatives	136	110	19	7	53	25	.....	32
Hosiery and knitting mill operatives	31	26	3	2	15	8	.....	3
Silk mill operatives	15	13	2	.....	6	5	.....	2
Woolen mill operatives	86	71	7	8	24	30	1	16
Other textile mill operatives	24	20	3	1	10	5	.....	5
Dressmakers	706	663	22	21	227	255	5	176
Hat and cap makers	26	23	3	.....	11	4	.....	8
Milliners	53	46	2	5	13	15	.....	18
Seamstresses	604	512	61	31	191	175	4	142
Shirt, collar, and cuff makers	34	30	2	2	21	6	.....	3
Tailors and tailoresses	402	358	24	20	188	86	2	82
Other textile workers	39	31	5	3	5	12	.....	14
Miscellaneous industries	1,049	945	55	49	362	295	4	284
Broom and brush makers	45	36	5	4	19	8	1	8
Charcoal, coke, and lime burners	6	5	1	.....	.....	3	.....	2
Engineers and firemen (not locomotive)	126	102	15	9	14	39	.....	49
Glovemakers	18	16	1	1	5	1	.....	10
Manufacturers and officials, etc	248	229	2	17	29	92	.....	108
Model and pattern makers	27	25	2	.....	8	10	.....	7
Photographers	55	54	.....	1	22	16	1	15
Rubber factory operatives	12	11	1	.....	8	2	.....	1
Tobacco and cigar factory operatives	233	215	10	8	122	59	1	33
Upholsterers	56	55	.....	1	26	13	.....	16
Other miscellaneous industries	223	197	18	8	109	52	1	35

GENERAL TABLES.

TABLE 1.—*The deaf, classified by degree of deafness, ability to speak and to read the lips, and means of communication, with respect to period of life when deafness occurred: 1900.*

DEGREE OF DEAFNESS, ABILITY TO SPEAK AND READ THE LIPS, AND MEANS OF COMMUNICATION.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.		
		Childhood (under 20).	Adult life (20 and over).	Unknown.
Total	89,287	50,296	35,924	3,067
Degree of deafness:				
Totally deaf	37,426	33,148	3,483	795
Partially deaf	51,861	17,148	32,441	2,272
Ability to speak:				
Well	55,501	18,064	35,127	2,310
Imperfectly	9,417	8,545	618	254
Not at all	24,369	23,687	179	503
Ability to read the lips:				
Not stated	60,827	24,330	33,840	2,657
Stated	28,460	25,966	2,084	410
Can read lips	14,474	12,755	1,516	203
Can not read lips	13,986	13,211	568	207
Usual means of communication:[1]				
Not stated	2,652	2,416	63	173
Stated	86,635	47,880	35,861	2,894
Sp — — —	58,601	20,477	35,630	2,494
Sp wr — —	557	500	44	13
Sp wr fg —	368	357	8	3
Sp wr fg si	4,049	4,016	7	26
Sp wr — si	195	185	7	3
Sp — fg —	68	59	5	4
Sp — fg si	205	200	3	2
Sp — — si	875	815	41	19
— wr — —	246	215	14	17
— wr fg —	776	760	7	9
— wr fg si	12,826	12,674	12	140
— wr — si	371	358	6	7
— — fg —	271	261	4	6
— — fg si	1,007	990	2	15
— — — si	6,220	6,013	71	136

[1] Contractions employed—Sp, speech; wr, writing; fg, finger-spelling; si, sign-language.

TABLE 2.—*The deaf, classified by sex, race, nativity, school attendance, and kind of school, with respect to period of life when deafness occurred: 1900.*

SEX, RACE, NATIVITY OF WHITES, AND SCHOOL ATTENDANCE.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.		
		Childhood (under 20).	Adult life (20 and over).	Unknown.
Total	89,287	50,296	35,924	3,067
Sex:				
Male	46,915	26,543	18,797	1,575
Female	42,372	23,753	17,127	1,492
Race:				
White	84,361	46,807	34,655	2,899
Colored	[1] 4,926	3,489	1,269	168
Nativity of whites:				
Not stated	710	544	80	86
Stated	83,651	46,263	34,575	2,813
Native	69,865	41,155	26,612	2,098
Foreign born	13,786	5,108	7,963	715
School attendance:				
Not stated	10,013	1,874	7,115	1,024
Stated	79,274	48,422	28,809	2,043
Did not attend school	13,557	7,974	5,109	474
Attended school	65,717	40,448	23,700	1,569
Kind of school attended:				
Not stated	20,619	4,551	15,229	839
Stated	45,098	35,897	8,471	730
Special schools	25,197	24,846	125	226
Other schools	19,664	10,826	8,336	502
Both	237	225	10	2

[1] Includes 273 Indians and 4 Chinese and Japanese.

TABLE 3.—*The deaf, classified by marital condition, consanguinity of parents, and deaf relatives, with respect to period of life when deafness occurred: 1900.*

MARITAL CONDITION, CONSANGUINITY OF PARENTS, AND DEAF RELATIVES.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.		
		Childhood (under 20).	Adult life (20 and over).	Unknown.
Total	89,287	50,296	35,924	3,067
Marital condition:				
Not stated	327	186	86	55
Stated	88,960	50,110	35,838	3,012
Single	39,070	34,248	3,839	983
Married	34,206	12,924	20,030	1,252
Widowed	15,331	2,791	11,780	760
Divorced	353	147	189	17
Consanguinity of parents:				
Not stated	9,692	3,833	4,468	1,391
Stated	79,595	46,463	31,456	1,676
Parents cousins	4,065	3,276	725	64
Parents not cousins	75,530	43,187	30,731	1,612
Deaf relatives:[1]				
Not stated	8,806	3,049	4,356	1,401
Stated	80,481	47,247	31,568	1,666
a — — —	16,415	8,510	7,625	280
a b — —	3,825	2,109	1,659	57
a b c —	48	22	26	.....
a b c d	23	20	3	.....
a b — *d*	221	201	16	4
a — *c* —	144	41	101	2
a — *c d*	54	51	2	1
a — — *d*	930	829	88	13
— *b* — —	3,912	2,460	1,389	63
— *b c* —	30	7	23	.....
— *b c d*	8	8	.....	.....
— *b* — *d*	241	223	14	4
— — *c* —	291	61	214	16
— — *c d*	79	72	7	.....
— — — *d*	3,495	3,067	356	72
— — — —	50,765	29,566	20,045	1,154

[1] Symbols employed—*a*, deaf brothers, sisters, or ancestors; *b*, deaf uncles, aunts, cousins, or other relatives not *a*, *c*, or *d*; *c*, deaf children (sons or daughters); *d*, deaf husbands or wives.

TABLE 4.—*The deaf, classified by present age, with respect to period of life when deafness occurred: 1900.*

PRESENT AGE.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.		
		Childhood (under 20).	Adult life (20 and over).	Unknown.
All ages	89,287	50,296	35,924	3,067
Present age:				
Not stated	327	175	99	53
Stated	88,960	50,121	35,825	3,014
Stated:				
Under 5	1,021	1,021	.....	.....
5 and under 10	4,551	4,551	.....	.....
10 and under 15	6,710	6,710	.....	.....
15 and under 20	6,076	6,076	.....	.....
20 and under 25	4,481	4,254	97	130
25 and under 30	4,835	4,317	373	145
30 and under 35	4,847	3,885	805	157
35 and under 40	5,294	3,798	1,311	185
40 and under 45	5,480	3,273	1,980	227
45 and under 50	5,396	2,760	2,413	223
50 and under 55	5,593	2,568	2,812	213
55 and under 60	5,703	1,965	3,515	223
60 and under 65	5,813	1,606	3,938	269
65 and under 70	5,838	1,289	4,263	286
70 and under 75	5,492	960	4,218	314
75 and under 80	5,003	616	4,092	295
80 and under 85	3,785	313	3,269	203
85 and under 90	2,044	115	1,831	98
90 and under 95	743	36	673	34
95 and under 100	179	8	162	9
100 and over	76	.....	73	3

TABLE 4.—*The deaf, classified by present age, with respect to period of life when deafness occurred: 1900*—Continued.

PRESENT AGE.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.		
		Childhood (under 20).	Adult life (20 and over).	Unknown.
Stated:				
Under 10	5,572	5,572	.....	.....
10 and under 20	12,786	12,786	.....	.....
20 and under 30	9,316	8,571	470	275
30 and under 40	10,141	7,683	2,116	342
40 and under 50	10,876	6,033	4,393	450
50 and under 60	11,296	4,533	6,327	436
60 and under 70	11,651	2,895	8,201	555
70 and under 80	10,495	1,576	8,310	609
80 and under 90	5,829	428	5,100	301
90 and under 100	922	44	835	43
100 and over	76	.....	73	3
Under 20	18,358	18,358	.....	.....
20 and under 40	19,457	16,254	2,586	617
40 and under 60	22,172	10,566	10,720	886
60 and under 80	22,146	4,471	16,511	1,164
80 and under 100	6,751	472	5,935	344
100 and over	76	.....	73	3
Under 10	5,572	5,572	.....	.....
10 and over	83,388	44,549	35,825	3,014
Under 20	18,358	18,358	.....	.....
20 and over	70,602	31,763	35,825	3,014

TABLE 5.—*The deaf, classified by causes of deafness, with respect to period of life when deafness occurred: 1900.*

CAUSE OF DEAFNESS.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.		
		Childhood (under 20).	Adult life (20 and over).	Unknown.
All causes	89,287	50,296	35,924	3,067
Causes of deafness:				
Classified	47,967	27,514	19,437	1,016
Unclassified	31,205	20,033	10,838	334
Unknown	10,115	2,749	5,649	1,717
Classified:				
External ear affected	871	484	364	23
Middle ear affected	34,801	18,205	15,787	809
Internal ear affected	12,295	8,825	3,286	184
External ear affected—				
Impacted cerumen	357	200	147	10
Water in ear, swimming, diving, bathing	290	.....	.....	.....
Wax in ear	67	.....	.....	.....
Foreign bodies in ear	297	149	142	6
Miscellaneous (external ear)	217	135	75	7
Cancer and tumor	82	.....	.....	.....
Burns and scalds	57	.....	.....	.....
Eczema	51	.....	.....	.....
Other causes (external ear)	27	.....	.....	.....
Middle ear affected—				
Suppurative (abscess and inflammation)	17,533	13,054	4,159	320
Nonsuppurative (catarrhal)	17,260	5,149	11,623	488
Miscellaneous (middle ear)	8	2	5	1
Suppurative condition—				
Scarlet fever	7,424	6,851	454	119
Disease of ear	4,210	2,834	1,278	98
Measles	2,469	1,925	511	33
Influenza	1,776	388	1,344	44
Miscellaneous (suppurative)	1,654	1,056	572	26
Diphtheria	593	.....	.....	.....
Pneumonia	308	.....	.....	.....
Erysipelas	228	.....	.....	.....
Smallpox	147	.....	.....	.....
Tonsilitis	139	.....	.....	.....
Teething	117	.....	.....	.....
Bronchitis	68	.....	.....	.....
Consumption	8	.....	.....	.....
Other causes producing suppuration	46	.....	.....	.....
Nonsuppurative catarrhal affections—				
Catarrh	11,702	2,718	8,646	338
Colds	3,074	984	1,989	101
Miscellaneous (nonsuppurative)	2,484	1,447	988	49
Whooping cough	675	.....	.....	.....
Scrofula	553	.....	.....	.....
Exposure and cold	446	.....	.....	.....
Disease of throat	327	.....	.....	.....
Thickening and hardening of eardrum	157	.....	.....	.....
Croup	57	.....	.....	.....
Other causes (nonsuppurative)	269	.....	.....	.....

TABLE 5.—*The deaf, classified by causes of deafness, with respect to period of life when deafness occurred: 1900*—Continued.

CAUSE OF DEAFNESS.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.		
		Childhood (under 20).	Adult life (20 and over).	Unknown.
Classified—Continued.				
Internal ear affected—				
Labyrinth affected	2,726	971	1,669	86
Nerve affected	9,361	7,712	1,567	82
Brain center for hearing affected	129	111	13	5
Miscellaneous (internal ear)	79	31	37	11
Labyrinth affected—				
Malarial fever and quinine	1,636	665	944	27
Miscellaneous (labyrinth)	1,090	306	725	59
Noise and concussion	820	.....	.....	.....
Mumps	243	.....	.....	.....
Syphilis	27	.....	.....	.....
Nerve affected—				
Meningitis	3,991	3,868	106	17
Brain fever	2,013	1,933	69	11
Typhoid fever	2,055	1,211	823	21
Miscellaneous (nerve)	1,302	700	569	33
Paralysis	571	.....	.....	.....
Convulsions	402	.....	.....	.....
[illegible]	162	.....	.....	.....
[illegible]	93	.....	.....	.....
tem	74	.....	.....	.....
Brain center for hearing affected—				
Hydrocephalus	88	.....	.....	.....
Epilepsy	41	.....	.....	.....
Unclassified:				
Congenital	14,472	14,472	.....	.....
Old age	3,361	.....	3,361	.....
Military service	3,242	292	2,864	86
Falls and blows	2,243	1,528	671	44
Sickness	2,143	1,339	715	89
Fever	1,436	1,050	363	23
Hereditary	909	209	676	24
Miscellaneous (unclassified)	3,399	1,143	2,188	68
Neuralgia	418	.....	.....	.....
Childbirth	398	.....	.....	.....
Accident	335	.....	.....	.....
Medicine	205	.....	.....	.....
Heat	186	.....	.....	.....
Rheumatism	167	.....	.....	.....
[illegible]	136	.....	.....	.....
[illegible]	119	.....	.....	.....
[illegible]	101	.....	.....	.....
[illegible]	93	.....	.....	.....
[illegible]	90	.....	.....	.....
[illegible]	39	.....	.....	.....
Operation	27	.....	.....	.....
Other causes unclassified	1,085	.....	.....	.....

TABLE 6.—*The deaf 10 years of age and over, classified by occupations, with respect to period of life when deafness occurred: 1900.*

OCCUPATION.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.		
		Childhood (under 20).	Adult life (20 and over).	Unknown.
All occupations	83,388	44,549	35,825	3,014
Occupations:				
Not stated or not gainful	51,246	26,476	22,653	2,117
Gainful	32,142	18,073	13,172	897
Gainful occupations.				
Agricultural pursuits	14,068	7,073	6,613	382
Agricultural laborers	2,016	1,656	310	50
Dairymen and dairywomen	29	8	21	.....
Farmers, planters, and overseers	11,428	5,151	5,971	306
[illegible]	330	116	198	16
[illegible]	51	32	19	.....
[illegible]	147	78	66	3
Turpentine farmers and laborers	4	3	.....	1
[illegible]	52	24	22	6
[illegible]	11	5	6	.....
Professional service	1,080	566	484	30
Actors, professional showmen, etc	23	14	7	2
Architects, designers, draftsmen, etc	46	23	23	.....
Artists and teachers of art	114	90	22	2
Clergymen	116	35	79	2
Dentists	20	10	10	.....

TABLE 6.—*The deaf, 10 years of age and over, classified by occupations, with respect to period of life when deafness occurred: 1900*—Continued.

OCCUPATION.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.		
		Childhood (under 20).	Adult life (20 and over).	Unknown.
Professional service—Continued.				
[illegible]	18	6	11	1
[illegible]	43	15	26	2
[illegible]	54	30	22	2
Lawyers	90	19	67	4
Literary and scientific persons	40	14	25	1
Musicians and teachers of music	39	23	15	1
[illegible]	62	23	35	4
[illegible]	106	22	80	4
[illegible]	294	235	54	5
Other professional service	15	7	8	.....
Domestic and personal service	5,316	3,323	1,806	187
Barbers and hairdressers	122	90	29	3
Bartenders	9	6	3	.....
Boarding and lodging house keepers	125	34	87	4
Hotel keepers	96	24	71	1
Housekeepers and stewards	230	135	88	7
Janitors and sextons	74	26	45	3
Laborers (not specified)	2,718	1,682	938	98
Launderers and laundresses	452	283	150	19
Nurses and midwives	57	18	35	4
Restaurant keepers	21	11	10	.....
Saloon keepers	26	7	16	3
Servants and waiters	1,303	969	292	42
Soldiers, sailors, and marines (U. S.)	3	2	1	.....
Watchmen, policemen, firemen, etc	48	14	31	3
Other domestic and personal service	32	22	10	.....
Trade and transportation	2,236	1,044	1,131	61
Agents	231	91	130	10
[illegible]	119	32	83	4
[illegible]	45	16	28	1
Bookkeepers and accountants	124	63	58	3
Clerks and copyists	263	164	98	1
Commercial travelers	33	18	14	1
Draymen, hackmen, teamsters, etc	206	105	91	10
Foremen and overseers	3	3	.....	.....
[illegible]	47	33	11	3
[illegible]	66	34	31	1
[illegible]	30	12	17	1
[illegible] sale)	710	283	414	13
Merchants and dealers (wholesale)	7	2	5	.....
Messengers and errand and office boys	13	7	4	2
Officials of banks and companies	22	5	15	2
Packers and shippers	26	21	4	1
Porters and helpers (in stores, etc.)	39	26	13	.....
Salesmen and saleswomen	77	40	33	4
Steam railroad employees	106	49	54	3
[illegible]	15	13	2	.....
[illegible]	1	.....	1	.....
[illegible]	3	2	1	.....
[illegible]	16	4	12	.....
[illegible]	13	4	9	.....
Other persons in trade and transportation	21	17	3	1
Manufacturing and mechanical pursuits	9,442	6,067	3,138	237
Building trades	2,000	1,038	899	63
Carpenters and joiners	1,121	513	567	41
Masons (brick and stone)	203	95	101	7
[illegible]	399	273	116	10
[illegible]	30	18	12	.....
[illegible]	59	29	29	1
[illegible]	20	13	6	1
Roofers and slaters	7	2	4	1
Mechanics (not otherwise specified)	161	95	64	2
Chemicals and allied products	20	10	10	.....
Oil well and oil works employees	16	6	10	.....
Other chemical workers	4	4	.....	.....
Clay, glass, and stone products	129	82	44	3
Brick and tile makers, etc	26	17	7	2
Glassworkers	24	18	5	1
Marble and stone cutters	70	39	31	.....
Potters	9	8	1	.....
Fishing and mining	350	193	150	7
Fishermen and oystermen	85	44	39	2
Miners and quarrymen	265	149	111	5

TABLE 6.—*The deaf, 10 years of age and over, classified by occupations, with respect to period of life when deafness occurred: 1900*—Continued.

OCCUPATION.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.		
		Childhood (under 20).	Adult life (20 and over).	Unknown.
Food and kindred products	297	170	116	11
Bakers	103	75	25	3
Butchers	91	48	39	4
Butter and cheese makers	6	3	3	.....
Confectioners	36	20	15	1
Millers	49	14	32	3
Other food preparers	12	10	2	.....
Iron and steel and their products	869	470	362	37
[illegible]	348	141	190	17
[illegible]	183	135	43	5
[illegible]	216	130	79	7
[illegible]	54	13	34	7
[illegible]	7	6	1	.....
[illegible]	26	18	7	1
[illegible]	24	18	6	.....
[illegible]	11	9	2	.....
Leather and its finished products	955	744	195	16
Boot and shoe makers and repairers	794	641	140	13
Harness and saddle makers and repairers	110	66	42	2
Leather curriers and tanners	41	29	11	1
Trunk and leather-case makers, etc	10	8	2	.....
Liquors and beverages	19	16	3	.....
[illegible]	13	11	2	.....
[illegible]	3	2	1	.....
[illegible]	3	3	.....	.....
Lumber and its remanufactures	730	498	220	12
Cabinetmakers	180	146	32	2
Coopers	92	62	29	1
[illegible]	110	63	44	3
[illegible]	348	227	115	6
Metals and metal products other than iron and steel	204	136	63	5
Brassworkers	19	15	2	2
Clock and watch makers and repairers	35	20	14	1
Gold and silver workers	17	13	3	1
Tin plate and tinware makers	65	40	24	1
Other metal workers	68	48	20	.....
Paper and printing	606	537	57	12
Bookbinders	54	45	9	.....
Boxmakers (paper)	18	16	2	.....
Engravers	27	24	3	.....
Paper and pulp mill operatives	31	19	10	2
Printers, lithographers, and pressmen	476	433	33	10
Textiles	2,214	1,536	635	43
Bleachery and dye works operatives	13	7	5	1
Carpet factory operatives	45	33	12	.....
Cotton mill operatives	136	103	32	1
Hosiery and knitting mill operatives	31	22	9	.....
Silk mill operatives	15	11	4	.....
Woolen mill operatives	86	54	26	6
Other textile mill operatives	24	15	9	.....
Dressmakers	706	477	219	10
Hat and cap makers	26	22	3	1
Milliners	53	31	19	3
Seamstresses	604	401	189	14
Shirt, collar, and cuff makers	34	30	3	1
Tailors and tailoresses	402	308	88	6
Other textile workers	39	22	17	.....
Miscellaneous industries	1,049	637	384	28
Broom and brush makers	45	30	13	2
Charcoal, coke, and lime burners	6	2	4	.....
Engineers and firemen (not locomotive)	126	47	75	4
Glovemakers	18	8	10	.....
Manufacturers and officials, etc	248	95	138	15
Model and pattern makers	27	14	12	1
Photographers	55	35	20	.....
Rubber factory operatives	12	8	3	1
Tobacco and cigar factory operatives	233	196	34	3
Upholsterers	56	40	15	1
Other miscellaneous industries	223	162	60	1

TABLE 7.—THE DEAF, CLASSIFIED BY PERIOD OF LIFE WHEN DEAFNESS OCCURRED, BY STATES AND TERRITORIES: 1900.

STATE OR TERRITORY.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.		
		Childhood (under 20).	Adult life (20 and over).	Unknown.
Continental United States	89,287	50,296	35,924	3,067
North Atlantic division	28,632	14,161	13,224	1,247
Maine	1,257	597	633	27
New Hampshire	762	305	420	37
Vermont	723	238	467	18
Massachusetts	4,015	1,838	2,019	158
Rhode Island	583	274	285	24
[illegible]	1,514	730	709	75
[illegible]	9,946	5,011	4,499	436
[illegible]	2,285	1,066	1,123	96
Pennsylvania	7,547	4,102	3,069	376
South Atlantic division	10,193	6,510	3,379	304
[illegible]	255	119	129	7
[illegible]	1,579	850	676	53
[illegible]	507	280	212	15
Virginia	1,913	1,193	653	67
West Virginia	1,146	787	318	41
North Carolina	1,642	1,197	409	36
South Carolina	952	655	275	22
Georgia	1,817	1,199	565	53
Florida	382	230	142	10
North Central division	34,076	19,358	13,676	1,042
Ohio	6,080	3,115	2,744	221
Indiana	3,607	2,093	1,421	93
Illinois	6,053	3,439	2,423	191
[illegible]	3,402	1,883	1,434	85
[illegible]	2,476	1,491	882	103
[illegible]	1,738	1,085	594	59
North Central division—Continued.				
Iowa	2,952	1,622	1,256	74
Missouri	3,766	2,302	1,367	97
North Dakota	256	176	70	10
South Dakota	430	261	156	13
Nebraska	1,220	711	475	34
Kansas	2,096	1,180	854	62
South Central division	12,322	8,131	3,862	329
Kentucky	2,619	1,719	812	88
[illegible]	2,026	1,331	638	57
[illegible]	1,333	866	427	40
[illegible]	990	660	301	29
Louisiana	1,211	731	444	36
Texas	2,316	1,559	717	40
Oklahoma	282	198	77	7
Indian Territory	228	161	64	3
Arkansas	1,317	906	382	29
Western division	4,064	2,136	1,783	145
Montana	126	87	37	2
Wyoming	29	13	16	.....
Colorado	472	262	193	17
New Mexico	303	148	141	14
Arizona	51	25	24	2
Utah	343	215	123	5
Nevada	61	20	36	5
Idaho	146	79	60	7
Washington	374	222	145	7
Oregon	410	252	151	7
California	1,749	813	857	79

TABLE 8.—THE DEAF FROM CHILDHOOD IN 1900 AND THE DEAF AND DUMB 1830 TO 1890, BY STATES AND TERRITORIES.

STATE OR TERRITORY.	Deaf from childhood, 1900.	DEAF AND DUMB.						
		1890	1880	1870	1860	1850	1840	1830
Continental United States	50,296	40,592	33,878	16,205	12,821	9,803	7,665	6,106
North Atlantic division	14,161	11,356	9,949	5,141	4,630	4,000	3,364	3,016
Maine	597	627	455	299	297	266	235	185
New Hampshire	305	321	221	170	163	162	190	144
Vermont	238	241	212	148	144	148	137	158
Massachusetts	1,838	1,539	978	538	427	358	290	265
Rhode Island	274	162	150	64	56	65	77	60
Connecticut	730	499	565	475	395	404	317	300
New York	5,011	3,843	3,762	1,783	1,579	1,263	1,107	885
New Jersey	1,066	764	527	231	212	189	179	222
Pennsylvania	4,102	3,360	3,079	1,433	1,357	1,145	832	797
South Atlantic division	6,510	5,597	4,975	2,536	2,239	1,902	1,759	1,609
Delaware	119	98	84	61	56	54	55	44
Maryland	850	750	671	384	237	261	244	231
District of Columbia	280	124	169	134	47	19	12	14
Virginia	1,193	1,199	998	534	[1]816	[1]642	603	549
West Virginia	787	600	520	218	.....	.....	.....	.....
North Carolina	1,197	1,108	1,032	619	468	471	354	313
South Carolina	655	668	564	212	203	165	218	243
Georgia	1,199	860	819	326	388	266	257	204
Florida	230	190	118	48	24	24	16	11
North Central division	19,358	16,051	12,663	5,643	3,713	2,343	1,288	695
Ohio	3,115	2,655	2,301	1,339	959	915	592	435
Indiana	2,093	1,837	1,764	872	600	537	312	144
Illinois	3,439	2,480	2,202	833	743	356	179	66
Michigan	1,883	1,549	1,166	455	277	125	33	15
Wisconsin	1,491	1,316	1,079	459	313	69	5	.....
Minnesota	1,085	857	500	166	33	.....	.....	.....
Iowa	1,622	1,313	1,052	549	252	59	14	.....
Missouri	2,302	1,998	1,598	790	498	282	153	35
North Dakota	176	92	(2)	(2)	.....	.....	.....	.....
South Dakota	261	173	[2]63	[2]4	.....	.....	.....	.....
Nebraska	711	629	287	55	11	.....	.....	.....
Kansas	1,180	1,152	651	121	27	.....	.....	.....
South Central division	8,131	6,309	5,466	2,633	2,122	1,517	1,254	786
Kentucky	1,719	1,363	1,275	723	652	563	477	349
Tennessee	1,331	1,115	1,108	570	436	377	358	200
Alabama	866	794	693	401	275	210	226	112
Mississippi	660	559	606	245	208	107	92	41
Louisiana	731	539	524	197	239	117	59	70
Texas	1,559	1,153	771	232	181	59	.....	.....
Oklahoma	198	26	.....	.....	.....	.....	.....	.....
Indian Territory	161	.....	.....	.....	.....	.....	.....	.....
Arkansas	906	760	489	265	131	84	42	14
Western division	2,136	1,279	825	252	117	41	.....	.....
Montana	87	40	9	5	.....	.....	.....	.....
Wyoming	13	16	11	2	.....	.....	.....	.....
Colorado	262	205	85	4	.....	.....	.....	.....
New Mexico	148	80	70	48	35	34	.....	.....
Arizona	25	15	7	.....	.....	.....	.....	.....
Utah	215	108	118	18	7	.....	.....	.....
Nevada	20	13	10	4	.....	.....	.....	.....
Idaho	79	31	7	1	.....	.....	.....	.....
Washington	222	118	24	6	3	.....	.....	.....
Oregon	252	157	102	23	15	.....	.....	.....
California	813	496	382	141	57	7	.....	.....

[1] Including West Virginia.

[2] North Dakota and South Dakota comprised the territory of Dakota previous to census of 1890.

TABLE 9.—DISTRIBUTION PER 1,000,000 OF TOTAL POPULATION OF THE DEAF FROM CHILDHOOD IN 1900 AND THE DEAF AND DUMB 1830 TO 1890, BY STATES AND TERRITORIES.

STATE OR TERRITORY.	Deaf from childhood, 1900.	DEAF AND DUMB.						
		1890	1880	1870	1860	1850	1840	1830
Continental United States	662	648	675	420	408	423	449	475
North Atlantic division	673	653	686	418	437	464	498	544
Maine	860	948	701	477	473	456	468	463
New Hampshire	741	853	637	534	500	509	668	535
Vermont	693	725	638	448	457	471	469	563
Massachusetts	655	687	548	369	347	360	393	434
Rhode Island	639	469	542	294	321	441	708	617
Connecticut	804	669	907	884	858	1,090	1,023	1,008
New York	689	641	740	407	407	408	456	461
New Jersey	566	529	466	255	315	386	479	692
Pennsylvania	651	639	719	407	467	495	483	591
South Atlantic division	645	632	655	433	417	406	443	441
[illegible]	644	582	573	488	499	590	704	573
[illegible]	715	720	718	492	345	448	519	517
[illegible]	1,005	538	951	1,017	626	368	275	351
Virginia	643	724	660	436	511	452	486	453
West Virginia	821	787	841	493	.....	.....	.....	.....
North Carolina	632	685	737	578	471	542	470	424
South Carolina	489	580	567	300	288	247	367	418
Georgia	541	468	531	275	367	294	372	395
Florida	435	485	438	256	171	274	294	317
North Central division	735	718	729	435	408	434	384	432
Ohio	749	723	719	502	410	462	390	464
Indiana	832	838	892	519	444	543	455	420
Illinois	713	648	715	328	434	418	376	419
Michigan	778	740	712	384	370	314	155	474
Wisconsin	721	780	820	435	403	226	162	.....
Minnesota	620	658	640	378	192	.....	.....	.....
Iowa	727	687	648	460	373	307	325	.....
Missouri	741	746	737	459	421	413	399	249
North Dakota	551	504	.....	.....	.....	.....	.....	.....
South Dakota	650	526	466	282	.....	.....	.....	.....
Nebraska	667	594	634	447	381	.....	.....	.....
Kansas	802	807	654	332	252	.....	.....	.....
South Central division	577	575	613	409	368	353	414	390
Kentucky	801	733	773	547	564	573	612	507
Tennessee	659	631	718	453	393	376	432	293
Alabama	474	525	549	402	285	272	383	362
Mississippi	425	433	536	296	263	176	245	300
Louisiana	529	482	557	271	338	226	167	324
Texas	511	516	484	283	300	278	.....	.....
Oklahoma	497	420	.....	.....	.....	.....	.....	.....
Indian Territory	411	.....	.....	.....	.....	.....	.....	.....
Arkansas	691	674	609	547	301	400	430	461
Western division	522	422	467	254	189	229	.....	.....
Montana	358	303	230	243	.....	.....	.....	.....
Wyoming	140	264	529	219	.....	.....	.....	.....
Colorado	485	497	437	100	.....	.....	.....	.....
New Mexico	758	521	585	522	374	552	.....	.....
Arizona	203	252	173	.....	.....	.....	.....	.....
Utah	777	519	820	207	174	.....	.....	.....
Nevada	472	284	161	94	.....	.....	.....	.....
Idaho	488	367	215	67	.....	.....	.....	.....
Washington	428	338	320	250	259	.....	.....	.....
Oregon	609	500	584	253	286	.....	.....	.....
California	547	411	442	252	150	76	.....	.....

TABLE 10.—GENERAL SUMMARY OF THE DEAF-BLIND, BY CLASSES: 1900.

CLASS.	Number.
Aggregate	2,772
Age when deafness occurred:	
Definitely stated—	
Birth	187
After birth, under 1	29
1 and under 2	30
2 and under 3	21
3 and under 4	30
4 and under 5	17
5 and under 10	121
10 and under 20	174
20 and over	1,665
Indefinitely stated—	
Infancy	10
Childhood	32
Youth	3
Adult life	77
Old age	160
Unknown	216
Degree of deafness:	
Total	491
Partial	2,281
Ability to speak:	
Well	2,292
Imperfectly	179
Not at all	301
Ability to read the lips:	
Can read lips	34
Can not read lips	252
Not stated	2,486
Sex:	
Male	1,587
Female	1,185
Race:	
White	2,540
Colored	[1] 232
Nativity of whites:	
Native	2,014
Foreign born	513
Not stated	13
School attendance:	
Attended school	1,007
Did not attend school	939
Not stated	826
Marital condition:	
Single	713
Married	927
Widowed	1,104
Divorced	7
Not stated	21
Consanguinity of parents:	
Parents cousins	131
Parents not cousins	2,116
Not stated	525

CLASS.	Number.
Deaf relatives:	
Deaf relatives	435
No deaf relatives	1,781
Not stated	556
Present age:	
Under 10	59
10 and under 20	111
20 and under 30	93
30 and under 40	116
40 and under 50	152
50 and under 60	241
60 and under 70	361
70 and under 80	609
80 and under 90	756
90 and under 100	234
100 and over	33
Not stated	7
Causes of deafness:	
Classified	861
Unclassified	1,243
Unknown	668
Classified:	
External ear affected	22
Middle ear affected	627
Internal ear affected	212
External ear affected—	
Impacted cerumen	4
Water in ear, swimming, diving, bathing	4
Wax in ear	.....
Foreign bodies in ear	6
Miscellaneous (external ear)	12
Cancer and tumor	8
Burns and scalds	1
Eczema	2
Other causes (external ear)	1
Middle ear affected—	
Suppurative (abscess and inflammation)	274
Nonsuppurative (catarrhal)	352
Miscellaneous (middle ear)	1
Suppurative condition—	
Scarlet fever	83
Disease of ear	81
Measles	31
Influenza	48
Miscellaneous (suppurative)	31
Diphtheria	2
Pneumonia	8
Erysipelas	8
Smallpox	9
Tonsilitis	2
Teething	2
Bronchitis	.....
Consumption	.....
Other causes producing suppuration	.....
Nonsuppurative condition—	
Catarrh	225

CLASS.	Number.
Classified—Continued.	
Middle ear affected—Continued.	
Nonsuppurative condition—Con.	
Colds	63
Miscellaneous (nonsuppurative)	64
Whooping cough	4
Scrofula	28
Exposure and cold	22
Disease of throat	1
Thickening and hardening of eardrum	2
Croup	.....
Other causes (nonsuppurative)	7
Internal ear affected—	
Labyrinth affected	78
Nerve affected	127
Brain center for hearing affected	6
Miscellaneous (internal ear)	1
Labyrinth affected—	
Malarial fever and quinine	33
Miscellaneous (labyrinth)	45
Noise and concussion	42
Mumps	1
Syphilis	2
Nerve affected—	
Meningitis	37
Brain fever	14
Typhoid fever	21
Miscellaneous (nerve)	55
Paralysis	32
Convulsions	10
Sunstroke	11
Congestion of brain	1
Disease of nervous system	1
Brain center for hearing affected—	
Hydrocephalus	5
Epilepsy	1
Unclassified:	
Congenital	187
Old age	593
Military service	167
Falls and blows	47
Sickness	53
Fever	28
Hereditary	31
Miscellaneous (unclassified)	137
Neuralgia	21
Childbirth	3
Accident	10
Medicine	7
Heat	7
Rheumatism	9
Headache	9
Fright, shock, excitement	3
Hard work, overwork	9
Lightning	1
Diarrhea and cholera infantum	.....
Chicken pox	1
Operation	.....
Other causes unclassified	57

[1] Includes 19 Indians.

TABLE 11.—THE DEAF, CLASSIFIED BY PERIOD OF LIFE WHEN DEAFNESS OCCURRED AND DEGREE OF DEAFNESS, BY STATES AND TERRITORIES: 1900.

STATE OR TERRITORY.	Aggregate.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.										
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Total.		Childhood (under 20).		Adult life (20 and over).		Unknown.	
					Totally deaf.	Partially deaf.	Totally deaf.	Partially deaf.	Totally deaf.	Partially deaf.	Totally deaf.	Partially deaf.
Continental United States	89,287	50,296	35,924	3,067	37,426	51,861	33,148	17,148	3,483	32,441	795	2,272
Alabama	1,333	866	427	40	609	724	566	300	37	390	6	34
Arizona	51	25	24	2	25	26	20	5	4	20	1	1
Arkansas	1,317	906	382	29	664	653	623	283	33	349	8	21
California	1,749	813	857	79	591	1,158	499	314	82	775	10	69
Colorado	472	262	193	17	176	296	152	110	19	174	5	12
Connecticut	1,514	730	709	75	526	988	440	290	67	642	19	56
Delaware	255	119	129	7	79	176	64	55	11	118	4	3
District of Columbia	507	280	212	15	212	295	189	91	19	193	4	11
Florida	382	230	142	10	169	213	156	74	12	130	1	9
Georgia	1,817	1,199	565	53	846	971	781	418	51	514	14	39
Idaho	146	79	60	7	51	95	46	33	4	56	1	6
Illinois	6,053	3,439	2,423	191	2,564	3,489	2,279	1,160	228	2,195	57	134
Indian Territory	228	161	64	3	94	134	88	73	5	59	1	2
Indiana	3,607	2,093	1,421	93	1,638	1,969	1,487	606	122	1,299	29	64
Iowa	2,952	1,622	1,256	74	1,200	1,752	1,048	574	124	1,132	28	46
Kansas	2,096	1,180	854	62	925	1,171	835	345	71	783	19	43
Kentucky	2,619	1,719	812	88	1,257	1,362	1,158	561	86	726	13	75
Louisiana	1,211	731	444	36	527	684	484	247	32	412	11	25
Maine	1,257	597	633	27	456	801	392	205	58	575	6	21
Maryland	1,579	850	676	53	613	966	532	318	68	608	13	40
Massachusetts	4,015	1,838	2,019	158	1,283	2,732	1,070	768	177	1,842	36	122
Michigan	3,402	1,883	1,434	85	1,337	2,065	1,178	705	137	1,297	22	63
Minnesota	1,738	1,085	594	59	862	876	774	311	68	526	20	39
Mississippi	990	660	301	29	512	478	463	197	38	263	11	18
Missouri	3,766	2,302	1,367	97	1,776	1,990	1,633	669	111	1,256	32	65
Montana	126	87	37	2	70	56	64	23	5	32	1	1
Nebraska	1,220	711	475	34	522	698	460	251	55	420	7	27
Nevada	61	20	36	5	19	42	10	10	6	30	3	2
New Hampshire	762	305	420	37	211	551	166	139	39	381	6	31
New Jersey	2,285	1,066	1,123	96	720	1,565	604	462	93	1,030	23	73
New Mexico	303	148	141	14	85	218	65	83	19	122	1	13
New York	9,946	5,011	4,499	436	3,751	6,195	3,250	1,761	387	4,112	114	322
North Carolina	1,642	1,197	409	36	920	722	869	328	42	367	9	27
North Dakota	256	176	70	10	135	121	126	50	5	65	4	6
Ohio	6,080	3,115	2,744	221	2,431	3,649	2,040	1,075	337	2,407	54	167
Oklahoma	282	198	77	7	164	118	152	46	10	67	2	5
Oregon	410	252	151	7	193	217	178	74	13	138	2	5
Pennsylvania	7,547	4,102	3,069	376	3,103	4,444	2,666	1,436	341	2,728	96	280
Rhode Island	583	274	285	24	172	411	148	126	19	266	5	19
South Carolina	952	655	275	22	500	452	467	188	26	249	7	15
South Dakota	430	261	156	13	191	239	171	90	19	137	1	12
Tennessee	2,026	1,331	638	57	984	1,042	920	411	52	586	12	45
Texas	2,316	1,559	717	40	1,152	1,164	1,064	495	81	636	7	33
Utah	343	215	123	5	156	187	145	70	10	113	1	4
Vermont	723	238	467	18	158	565	103	135	50	417	5	13
Virginia	1,913	1,193	653	67	880	1,033	801	392	59	594	20	47
Washington	374	222	145	7	168	206	149	73	16	129	3	4
West Virginia	1,146	787	318	41	559	587	519	268	29	289	11	30
Wisconsin	2,476	1,491	882	103	1,181	1,295	1,045	446	106	776	30	73
Wyoming	29	13	16	.....	9	20	9	4	.....	16	.....	.....

TABLE 12.—THE DEAF, CLASSIFIED BY ABILITY TO SPEAK, PERIOD OF LIFE WHEN

	STATE OR TERRITORY.	ABILITY TO SPEAK.			PERIOD OF LIFE WHEN DEAFNESS OCCURRED.									DEGREE OF DEAFNESS.		
		Well.	Imperfectly.	Not at all.	Childhood (under 20).			Adult life (20 and over).			Unknown.			Totally deaf.		
					Speak well.	Imperfectly.	Not at all.	Speak well.	Imperfectly.	Not at all.	Speak well.	Imperfectly.	Not at all.	Speak well.	Imperfectly.	Not at all.
1	Continental United States	55,501	9,417	24,369	18,064	8,545	23,687	35,127	618	179	2,310	254	503	8,027	5,917	23,482
2	Alabama	690	121	522	242	111	513	417	6	4	31	4	5	71	58	480
3	Arizona	25	11	15	5	6	14	19	5	.....	1	.....	1	4	6	15
4	Arkansas	645	116	556	249	109	548	374	5	3	22	2	5	77	49	538
5	California	1,264	161	324	349	151	313	848	4	5	67	6	6	162	121	308
6	Colorado	305	73	94	100	71	91	192	1	.....	13	1	3	44	46	86
7	Connecticut	1,131	127	256	362	120	243	705	4	.....	64	3	8	177	103	246
8	Delaware	186	22	47	56	20	43	127	2	.....	3	.....	4	19	13	47
9	District of Columbia	360	72	75	138	69	73	212	.....	.....	10	3	2	80	59	73
10	Florida	220	30	132	71	29	130	140	.....	2	9	1	.....	27	16	126
11	Georgia	948	181	688	355	169	675	553	9	3	40	3	10	103	97	646
12	Idaho	96	17	33	30	17	32	60	.....	.....	6	.....	1	11	9	31
13	Illinois	3,802	789	1,462	1,286	732	1,421	2,376	40	7	140	17	34	573	578	1,413
14	Indian Territory	125	26	77	60	25	76	63	1	.....	2	.....	1	15	9	70
15	Indiana	2,156	348	1,103	691	328	1,074	1,396	15	10	69	5	19	318	241	1,079
16	Iowa	1,869	268	815	579	244	799	1,236	17	3	54	7	13	235	184	781
17	Kansas	1,238	159	699	372	139	669	827	16	11	39	4	19	153	103	669
18	Kentucky	1,357	286	976	511	250	958	776	30	6	70	6	12	183	145	929
19	Louisiana	656	109	446	197	95	439	430	11	3	29	3	4	56	49	422
20	Maine	895	125	237	244	121	232	626	3	4	25	1	1	132	98	226
21	Maryland	1,026	158	395	323	148	379	663	7	6	40	3	10	135	104	374
22	Massachusetts	3,082	371	562	952	343	543	1,996	20	3	134	8	16	451	284	548
23	Michigan	2,288	313	801	809	294	780	1,409	14	11	70	5	10	388	189	760
24	Minnesota	934	174	630	313	158	614	582	10	2	39	6	14	160	93	609
25	Mississippi	468	105	417	165	91	404	282	12	7	21	2	6	61	42	409
26	Missouri	2,078	366	1,322	675	332	1,295	1,333	26	8	70	8	19	284	208	1,284
27	Montana	62	13	51	29	9	49	32	4	1	1	.....	1	14	9	47
28	Nebraska	715	116	389	230	103	378	461	11	3	24	2	8	98	62	362
29	Nevada	50	4	7	10	3	7	35	1	.....	5	.....	.....	10	3	6
30	New Hampshire	604	47	111	159	38	108	413	7	.....	32	2	3	72	29	110
31	New Jersey	1,705	189	391	523	173	370	1,105	11	7	77	5	14	192	147	381
32	New Mexico	214	25	64	66	19	63	135	5	1	13	1	.....	18	8	59
33	New York	6,901	1,181	1,864	2,132	1,094	1,785	4,420	64	15	349	23	64	1,042	888	1,821
34	North Carolina	707	199	736	288	180	729	391	16	2	28	3	5	115	97	708
35	North Dakota	133	33	90	57	32	87	69	.....	1	7	1	2	21	27	87
36	Ohio	3,914	656	1,510	1,091	562	1,462	2,668	62	14	155	32	34	551	410	1,470
37	Oklahoma	119	32	131	37	32	129	77	.....	.....	5	.....	2	20	17	127
38	Oregon	236	33	141	81	31	140	150	1	.....	5	1	1	33	19	141
39	Pennsylvania	4,927	901	1,719	1,665	799	1,638	2,995	62	12	267	40	69	849	606	1,648
40	Rhode Island	490	40	53	189	35	50	281	3	1	20	2	2	87	33	52
41	South Carolina	423	102	427	150	89	416	261	11	3	12	2	8	50	36	414
42	South Dakota	244	49	137	83	43	135	151	4	1	10	2	1	34	23	134
43	Tennessee	1,027	219	780	374	189	768	614	20	4	39	10	8	143	84	757
44	Texas	1,136	290	890	404	273	882	700	13	4	32	4	4	152	133	867
45	Utah	212	30	101	86	28	101	121	2	.....	5	.....	.....	34	22	100
46	Vermont	641	22	60	165	19	54	463	3	1	13	.....	5	84	15	59
47	Virginia	1,007	200	706	339	165	689	623	27	3	45	8	14	123	71	686
48	Washington	215	62	97	69	57	96	141	4	.....	5	1	1	37	36	95
49	West Virginia	555	124	467	219	113	455	313	4	1	23	7	11	59	53	447
50	Wisconsin	1,400	318	758	480	283	728	850	25	7	70	10	23	269	182	730
51	Wyoming	20	4	5	4	4	5	16	.....	.....	.....	.....	.....	1	3	5

DEAFNESS OCCURRED, AND DEGREE OF DEAFNESS, BY STATES AND TERRITORIES: 1900.

DEGREE OF DEAFNESS—cont'd.			PERIOD OF LIFE WHEN DEAFNESS OCCURRED.																		
Partially deaf.			Childhood (under 20).						Adult life (20 and over).						Unknown.						
			Totally deaf.			Partially deaf.			Totally deaf.			Partially deaf.			Totally deaf.			Partially deaf.			
Speak well.	Imperfectly.	Not at all.	Speak well.	Imperfectly.	Not at all.	Speak well.	Imperfectly.	Not at all.	Speak well.	Imperfectly.	Not at all.	Speak well.	Imperfectly.	Not at all.	Speak well.	Imperfectly.	Not at all.	Speak well.	Imperfectly.	Not at all.	
47,474	3,500	887	4,578	5,057	22,913	13,486	2,888	774	3,203	161	119	31,924	457	60	246	99	450	2,064	155	53	1
619	63	42	36	56	474	206	55	39	32	2	3	385	4	1	3	.....	3	28	4	2	2
21	5	.....	1	5	14	4	1	.....	3	1	.....	16	4	.....	.....	.....	1	1	.....	.....	3
568	67	18	45	46	532	204	63	16	31	1	1	343	4	2	1	2	5	21	.....	.....	4
1,102	40	16	80	118	301	269	33	12	79	.....	3	769	4	2	3	3	4	64	3	2	5
261	27	8	24	45	83	76	26	8	19	.....	.....	173	1	.....	1	1	3	12	.....	.....	6
954	24	10	101	101	238	261	19	10	66	1	.....	639	3	.....	10	1	8	54	2	.....	7
167	9	.....	8	13	43	48	7	.....	11	.....	.....	116	2	.....	.....	.....	4	3	.....	.....	8
280	13	2	60	58	71	78	11	2	19	.....	.....	193	.....	.....	1	1	2	9	2	.....	9
193	14	6	17	15	124	54	14	6	10	.....	2	130	.....	.....	.....	1	.....	9	.....	.....	10
845	84	42	54	92	635	301	77	40	45	4	2	508	5	1	4	1	9	36	2	1	11
85	8	2	7	9	30	23	8	2	4	.....	.....	56	.....	.....	.....	.....	1	6	.....	.....	12
3,229	211	49	342	560	1,377	944	172	44	212	11	5	2,164	29	2	16	7	31	121	10	3	13
110	17	7	10	9	69	50	16	7	5	.....	.....	58	1	.....	.....	.....	1	2	.....	.....	14
1,838	107	24	195	236	1,056	496	92	18	115	3	4	1,281	12	6	8	2	19	61	3	.....	15
1,634	84	34	109	171	768	470	73	31	116	8	.....	1,120	9	3	10	5	13	44	2	.....	16
1,085	56	30	89	100	646	283	39	23	63	2	6	764	14	5	1	1	17	38	3	2	17
1,174	141	47	103	137	918	408	113	40	77	7	2	699	23	4	3	1	9	67	5	3	18
600	60	24	22	44	418	175	51	21	28	3	1	402	8	2	6	2	3	23	1	1	19
763	27	11	73	96	223	171	25	9	55	1	2	571	2	2	4	1	1	21	.....	.....	20
891	54	21	68	100	364	255	48	15	61	4	3	602	3	3	6	.....	7	34	3	3	21
2,631	87	14	204	275	531	688	68	12	170	5	2	1,826	15	1	17	4	15	117	4	1	22
1,900	124	41	247	185	746	562	109	34	128	4	5	1,281	10	6	13	.....	9	57	5	1	23
774	81	21	91	88	595	222	70	19	65	2	1	517	8	1	4	3	13	35	3	1	24
407	63	8	31	36	396	134	55	8	27	4	7	255	8	.....	3	2	6	18	.....	.....	25
1,794	158	38	176	197	1,260	499	135	35	98	7	6	1,235	19	2	10	4	18	60	4	1	26
48	4	4	10	8	46	19	1	3	4	1	.....	28	3	1	.....	.....	1	1	.....	.....	27
617	54	27	48	58	354	182	45	24	50	4	1	411	7	2	.....	.....	7	24	2	1	28
40	1	1	2	2	6	8	1	1	5	1	.....	30	.....	.....	3	.....	.....	2	.....	.....	29
532	18	1	32	27	107	127	11	1	38	1	.....	375	6	.....	2	1	3	30	1	.....	30
1,513	42	10	104	136	364	419	37	6	80	7	6	1,025	4	1	8	4	11	69	1	3	31
196	17	5	3	4	58	63	15	5	15	3	1	120	2	.....	.....	1	.....	13	.....	.....	32
5,859	293	43	644	856	1,750	1,488	238	35	356	19	12	4,064	45	3	42	13	59	307	10	5	33
592	102	28	80	88	701	208	92	28	33	7	2	358	9	.....	2	2	5	26	1	.....	34
112	6	3	16	26	84	41	6	3	4	.....	1	65	.....	.....	1	1	2	6	.....	.....	35
3,363	246	40	223	389	1,428	808	173	34	313	12	12	2,355	50	2	15	9	30	140	23	4	36
99	15	4	10	17	125	27	15	4	10	.....	.....	67	.....	.....	.....	.....	2	5	.....	.....	37
203	14	.....	21	17	140	60	14	.....	12	1	.....	138	.....	.....	.....	1	1	5	.....	.....	38
4,078	295	71	500	578	1,579	1,156	221	59	317	14	10	2,678	48	2	23	14	59	244	26	10	39
403	7	1	66	32	50	123	3	.....	19	.....	.....	262	3	1	2	1	2	18	1	.....	40
373	66	13	28	33	406	122	56	10	21	2	3	240	9	.....	1	1	5	11	1	3	41
210	26	3	16	23	132	67	20	3	18	.....	1	133	4	.....	.....	.....	1	10	2	.....	42
884	135	23	93	79	748	281	110	20	46	3	3	568	17	1	4	2	6	35	8	2	43
984	157	23	75	130	859	329	143	23	74	3	4	626	10	.....	3	.....	4	29	4	.....	44
178	8	1	23	22	100	63	6	1	10	.....	.....	111	2	.....	1	.....	.....	4	.....	.....	45
557	7	1	34	15	54	131	4	.....	50	.....	.....	413	3	1	.....	.....	5	13	.....	.....	46
884	129	20	63	68	670	276	97	19	55	2	2	568	25	1	5	1	14	40	7	.....	47
178	26	2	21	34	94	48	23	2	15	1	.....	126	3	.....	1	1	1	4	.....	.....	48
496	71	20	35	46	438	184	67	17	24	4	1	289	.....	.....	.....	3	8	23	4	3	49
1,131	136	28	168	174	703	312	109	25	95	6	5	755	19	2	6	2	22	64	8	1	50
19	1	.....	1	3	5	3	1	.....	.....	.....	.....	16	.....	.....	.....	.....	.....	.....	.....	.....	51

TABLE 13.—DISTRIBUTION OF THE DEAF PER 1,000,000 OF TOTAL POPULATION, BY ABILITY TO SPEAK, PERIOD

	STATE OR TERRITORY.	ABILITY TO SPEAK.			PERIOD OF LIFE WHEN DEAFNESS OCCURRED.									DEGREE OF DEAFNESS.		
		Well.	Imperfectly.	Not at all.	Childhood (under 20).			Adult life (20 and over).			Unknown.			Totally deaf.		
					Speak well.	Imperfectly.	Not at all.	Speak well.	Imperfectly.	Not at all.	Speak well.	Imperfectly.	Not at all.	Speak well.	Imperfectly.	Not at all.
1	Continental United States	730.3	123.9	320.7	237.7	112.4	311.7	462.2	8.1	2.4	30.4	3.3	6.6	105.6	77.9	309.0
2	Alabama	377.2	66.2	285.3	132.3	60.7	280.5	228.0	3.3	2.1	16.9	2.2	2.7	38.8	31.7	262.4
3	Arizona	203.3	80.4	122.0	40.6	48.8	113.9	154.6	40.6	.....	8.1	.....	8.1	32.5	48.8	122.0
4	Arkansas	491.7	88.4	423.9	189.8	83.1	417.8	285.1	3.8	2.3	16.8	1.5	3.8	58.7	37.4	410.2
5	California	851.1	108.4	218.1	235.0	101.7	210.8	571.0	2.7	3.3	45.1	4.0	4.0	109.1	81.5	207.4
6	Colorado	565.1	135.4	174.2	185.3	131.6	168.6	355.7	1.9	.....	24.1	1.9	5.6	81.6	85.3	159.4
7	Connecticut	1,245.0	139.8	281.8	398.5	132.1	273.0	776.1	4.4	.....	70.4	3.3	8.8	194.9	113.4	270.8
8	Delaware	1,006.7	119.1	254.5	303.1	108.3	232.8	687.4	10.8	.....	16.2	.....	21.7	102.8	70.4	254.5
9	District of Columbia	1,291.8	258.4	269.1	495.2	247.6	261.9	760.7	.....	.....	35.9	10.8	7.2	287.1	211.7	261.9
10	Florida	416.3	56.8	249.8	134.4	54.9	246.0	264.9	.....	3.8	17.0	1.9	.....	51.1	30.3	238.4
11	Georgia	427.7	81.7	310.5	160.2	76.2	304.5	249.5	4.1	1.4	18.0	1.4	4.6	46.5	43.8	291.5
12	Idaho	593.5	105.1	204.0	185.5	105.1	197.8	370.9	.....	.....	37.1	.....	6.2	68.0	55.6	191.6
13	Illinois	788.5	163.7	303.1	266.7	151.8	294.7	492.8	8.3	1.4	29.0	3.6	7.0	118.8	119.9	293.0
14	Indian Territory	318.8	66.4	196.5	153.0	63.8	193.9	160.7	2.6	.....	5.1	.....	2.6	38.3	23.0	178.6
15	Indiana	856.7	138.4	438.4	274.6	130.4	426.8	554.7	6.0	4.0	27.4	2.0	7.6	126.4	95.8	428.8
16	Iowa	837.4	120.0	365.1	259.4	109.3	358.0	553.8	7.6	1.3	24.2	3.1	5.8	105.3	82.4	349.9
17	Kansas	841.9	108.1	475.4	253.0	94.5	454.9	562.4	10.9	7.5	26.5	2.7	13.0	104.0	70.1	455.0
18	Kentucky	632.0	133.2	454.5	238.0	116.4	446.1	361.4	14.0	2.8	32.6	2.8	5.6	85.3	67.6	432.6
19	Louisiana	474.8	78.8	322.7	142.6	68.7	317.7	311.3	8.0	2.1	20.9	2.1	2.9	40.5	35.4	305.4
20	Maine	1,288.7	179.9	341.3	351.3	174.2	334.1	901.4	4.3	5.8	36.0	1.4	1.4	190.1	141.0	325.4
21	Maryland	863.5	133.0	332.4	271.8	124.6	319.0	558.0	5.9	5.0	33.7	2.5	8.4	113.6	87.6	314.8
22	Massachusetts	1,098.6	132.1	200.4	339.3	122.2	193.6	711.5	7.1	1.1	47.8	2.8	5.7	160.8	101.2	195.3
23	Michigan	945.0	129.3	330.8	334.1	121.4	322.1	582.0	5.8	4.6	28.9	2.1	4.1	160.3	78.1	313.9
24	Minnesota	533.4	99.3	359.7	178.8	90.2	350.5	332.3	5.7	1.2	22.3	3.4	8.0	91.4	53.0	347.7
25	Mississippi	301.7	67.8	268.9	106.4	58.7	260.5	181.8	7.8	4.5	13.5	1.3	3.9	39.3	27.1	263.7
26	Missouri	668.8	117.9	425.5	217.3	106.9	416.9	429.0	8.4	2.5	22.5	2.6	6.1	91.4	67.0	413.3
27	Montana	254.8	53.4	209.5	119.2	37.0	201.3	131.5	16.4	4.1	4.1	.....	4.1	57.5	37.0	193.1
28	Nebraska	670.5	108.9	364.8	215.7	96.6	354.5	432.3	10.4	2.8	22.5	1.9	7.5	91.9	58.2	339.5
29	Nevada	1,181.0	94.4	165.3	236.2	70.8	165.3	826.7	23.6	.....	118.1	.....	.....	236.2	70.8	141.7
30	New Hampshire	1,467.5	114.1	269.7	386.3	92.3	262.4	1,003.4	17.0	.....	77.8	4.8	7.3	174.9	70.4	267.3
31	New Jersey	905.1	100.2	207.5	277.6	91.8	196.4	586.7	5.8	3.7	40.8	2.6	7.4	101.9	78.0	202.2
32	New Mexico	1,095.8	128.0	327.7	338.0	97.3	322.6	691.2	25.6	5.1	66.6	5.1	.....	92.2	41.0	302.1
33	New York	949.4	162.5	256.5	293.3	150.5	245.6	608.1	8.8	2.1	48.0	3.2	8.8	143.4	122.2	250.6
34	North Carolina	373.2	105.2	388.7	152.0	95.1	385.0	206.4	8.5	1.1	14.8	1.6	2.6	60.7	51.3	373.9
35	North Dakota	416.7	103.4	282.0	178.6	100.3	272.6	216.2	.....	3.1	21.9	3.1	6.3	65.7	84.6	272.6
36	Ohio	941.4	157.8	363.3	262.4	135.2	351.7	641.7	14.9	3.4	37.3	7.7	8.2	132.5	98.7	353.6
37	Oklahoma	298.8	80.4	328.8	92.9	80.4	323.8	193.3	.....	.....	12.6	.....	5.0	50.2	42.7	318.8
38	Oregon	570.7	79.8	340.9	195.9	75.0	338.5	362.7	2.4	.....	12.1	2.4	2.4	79.8	45.9	340.9
39	Pennsylvania	781.7	142.9	272.9	264.2	126.8	260.0	475.2	9.8	1.9	42.3	6.3	11.0	134.7	96.1	261.6
40	Rhode Island	1,143.4	93.3	123.7	441.0	81.7	116.7	655.7	7.0	2.3	46.7	4.6	4.7	203.0	77.0	121.4
41	South Carolina	315.6	76.0	318.5	111.9	66.4	310.4	194.8	8.2	2.2	8.9	1.4	5.9	37.3	26.8	308.8
42	South Dakota	607.5	122.1	341.2	206.6	107.1	336.2	376.0	10.0	2.5	24.9	5.0	2.5	84.6	57.3	333.7
43	Tennessee	508.3	108.4	386.1	185.1	93.5	380.1	303.9	9.9	2.0	19.3	5.0	4.0	70.8	41.6	374.7
44	Texas	372.6	95.1	291.9	132.5	89.5	289.3	229.6	4.3	1.3	10.5	1.3	1.3	49.9	43.6	284.4
45	Utah	766.0	108.4	364.9	310.7	101.2	364.9	437.2	7.2	.....	18.1	.....	.....	122.8	79.5	361.3
46	Vermont	1,865.2	64.0	174.6	480.1	55.3	157.1	134.7	8.7	2.9	37.8	.....	14.6	244.4	43.7	171.7
47	Virginia	543.2	107.9	380.7	182.9	89.0	371.5	336.0	14.6	1.6	24.3	4.3	7.6	66.4	38.3	370.0
48	Washington	414.9	119.6	187.2	133.1	110.0	185.3	272.2	7.7	.....	9.6	1.9	1.9	71.4	69.4	183.3
49	West Virginia	578.8	129.4	486.9	228.4	117.9	474.5	326.4	4.2	1.0	24.0	7.3	11.4	61.5	55.3	466.1
50	Wisconsin	676.6	153.8	366.4	232.0	136.8	351.9	410.8	12.1	3.4	33.8	4.9	11.1	130.0	88.0	352.8
51	Wyoming	216.1	43.2	54.0	43.2	43.2	54.0	172.9	.....	.....	.....	.....	.....	10.8	32.4	54.0

OF LIFE WHEN DEAFNESS OCCURRED, AND DEGREE OF DEAFNESS, BY STATES AND TERRITORIES: 1900.

DEGREE OF DEAFNESS—cont'd.			PERIOD OF LIFE WHEN DEAFNESS OCCURRED.																		
Partially deaf.			Childhood (under 20).						Adult life (20 and over).						Unknown.						
			Totally deaf.			Partially deaf.			Totally deaf.			Partially deaf.			Totally deaf.			Partially deaf.			
Speak well.	Imperfectly.	Not at all.	Speak well.	Imperfectly.	Not at all.	Speak well.	Imperfectly.	Not at all.	Speak well.	Imperfectly.	Not at all.	Speak well.	Imperfectly.	Not at all.	Speak well.	Imperfectly.	Not at all.	Speak well.	Imperfectly.	Not at all.	
624.7	46.1	11.7	60.2	74.4	301.5	177.5	38.0	10.2	42.1	2.1	1.6	420.1	6.0	0.8	3.2	1.3	5.9	27.2	2.0	0.7	1
338.4	34.5	22.9	19.7	30.6	259.2	112.6	30.1	21.3	17.5	1.1	1.6	210.5	2.2	0.5	1.6	.....	1.6	15.3	2.2	1.1	2
170.8	40.6	.....	8.1	40.7	113.9	32.5	8.1	.....	24.4	8.1	.....	130.2	32.5	.....	.....	.....	8.1	8.1	.....	.....	3
433.0	51.0	13.7	34.3	35.1	405.6	155.5	48.0	12.2	23.6	0.8	0.8	261.5	3.0	1.5	0.8	1.5	3.8	16.0	.....	.....	4
742.0	26.9	10.7	53.9	79.5	202.7	181.1	22.2	8.1	53.2	.....	2.0	517.8	2.7	1.3	2.0	2.0	2.7	43.1	2.0	1.3	5
483.5	50.1	14.8	44.5	83.4	153.8	140.8	48.2	14.8	35.2	.....	.....	320.5	1.9	.....	1.9	1.9	5.6	22.2	.....	.....	6
1,050.1	26.4	11.0	111.2	111.2	262.0	287.3	20.9	11.0	72.7	1.1	.....	703.4	3.3	.....	11.0	1.1	8.8	59.4	2.2	.....	7
903.9	48.7	.....	43.3	70.4	232.8	259.8	37.9	.....	59.5	.....	.....	627.9	10.8	.....	.....	.....	21.7	16.2	.....	.....	8
1,004.7	46.7	7.2	215.3	208.1	254.7	279.9	39.5	7.2	68.2	.....	.....	692.5	.....	.....	3.6	3.6	7.2	32.3	7.2	.....	9
365.2	26.5	11.4	32.2	28.4	234.6	102.2	26.5	11.4	18.9	.....	3.8	246.0	.....	.....	.....	1.9	.....	17.0	.....	.....	10
381.2	37.9	19.0	24.4	41.5	286.5	135.8	34.7	18.0	20.3	1.8	0.9	229.2	2.3	0.5	1.8	0.5	4.1	16.2	0.9	0.5	11
525.5	49.5	12.4	43.3	55.6	185.4	142.2	49.5	12.4	24.7	.....	.....	346.2	.....	.....	.....	.....	6.2	37.1	.....	.....	12
669.7	43.8	10.1	70.9	116.1	285.6	195.8	35.7	9.1	44.0	2.3	1.0	448.8	6.0	0.4	3.9	1.5	6.4	25.1	2.1	0.6	13
280.5	43.4	17.9	25.5	23.0	176.0	127.5	40.8	17.9	12.8	.....	.....	147.9	2.6	.....	.....	.....	2.6	5.1	.....	.....	14
730.3	42.6	9.6	77.5	93.8	419.6	197.1	36.6	7.2	45.7	1.2	1.6	509.0	4.8	2.4	3.2	0.8	7.6	24.2	1.2	.....	15
732.1	37.6	15.2	48.8	76.6	344.1	210.6	32.7	13.9	52.0	3.6	.....	501.8	4.0	1.3	4.5	2.2	5.8	19.7	0.9	.....	16
737.9	38.0	20.4	60.5	68.0	439.3	192.5	26.5	15.6	42.8	1.4	4.1	519.6	9.5	3.4	0.7	0.7	11.6	25.8	2.0	1.4	17
546.7	65.6	21.9	48.0	63.8	427.5	190.0	52.6	18.6	35.9	3.3	0.9	325.5	10.7	1.9	1.4	0.5	4.2	31.2	2.3	1.4	18
434.3	43.4	17.3	15.9	31.8	302.5	126.7	36.9	15.2	20.3	2.2	0.7	291.0	5.8	1.4	4.3	1.4	2.2	16.6	0.7	0.7	19
1,098.6	38.9	15.9	105.1	138.2	321.1	246.2	36.0	13.0	79.2	1.4	2.9	822.2	2.9	2.9	5.8	1.4	1.4	30.2	.....	.....	20
749.9	45.4	17.6	57.2	84.2	306.4	214.6	40.4	12.6	51.3	3.4	2.5	506.7	2.5	2.5	5.1	.....	5.9	28.6	2.5	2.5	21
937.8	30.9	5.1	94.1	98.0	189.3	245.2	24.2	4.3	60.6	1.8	0.7	650.9	5.3	0.4	6.1	1.4	5.3	41.7	1.4	0.4	22
784.7	51.2	16.9	102.0	76.4	308.1	232.1	45.0	14.0	52.9	1.7	2.1	529.1	4.1	2.5	5.4	.....	3.7	23.5	2.1	0.4	23
442.0	46.3	12.0	52.0	50.2	339.7	126.8	40.0	10.8	37.1	1.1	0.6	295.2	4.6	0.6	2.3	1.7	7.4	20.0	1.7	0.6	24
262.4	40.7	5.2	20.0	23.2	255.3	86.4	35.5	5.2	17.4	2.6	4.5	164.4	5.2	.....	1.9	1.3	3.9	11.6	.....	.....	25
577.4	50.9	12.2	56.7	63.4	405.6	160.6	43.5	11.3	31.5	2.3	1.9	397.5	6.1	0.6	3.2	1.3	5.8	19.3	1.3	0.3	26
197.3	16.4	16.4	41.1	32.9	189.0	78.1	4.1	12.3	16.4	4.1	.....	115.1	12.3	4.1	.....	.....	4.1	4.1	.....	.....	27
578.6	50.7	25.3	45.0	54.4	332.0	170.7	42.2	22.5	46.9	3.8	0.9	385.4	6.6	1.9	.....	.....	6.6	22.5	1.9	0.9	28
944.8	23.6	23.6	47.2	47.2	141.7	189.0	23.6	23.6	118.1	23.6	.....	708.6	.....	.....	70.9	.....	.....	47.2	.....	.....	29
1,292.6	43.7	2.4	77.7	65.6	260.0	308.6	26.7	2.4	92.3	2.4	.....	911.1	14.6	.....	4.9	2.4	7.3	72.9	2.4	.....	30
803.2	22.2	5.3	55.2	72.2	193.2	222.4	19.6	3.2	42.5	3.7	3.2	544.2	2.1	0.5	4.2	2.1	5.8	36.6	0.5	1.6	31
1,003.6	87.0	25.6	15.4	20.5	297.0	322.6	76.8	25.6	76.8	15.4	5.1	614.4	10.2	.....	.....	5.1	.....	66.6	.....	.....	32
806.0	40.3	5.9	88.6	117.8	240.8	204.7	32.7	4.8	49.0	2.6	1.7	559.1	6.2	0.4	5.8	1.8	8.1	42.2	1.4	0.7	33
312.5	53.9	14.8	42.2	46.5	370.2	109.8	48.6	14.8	17.4	3.7	1.1	189.0	4.8	.....	1.1	1.1	2.6	13.7	0.5	.....	34
351.0	18.8	9.4	50.1	81.5	263.2	128.5	18.8	9.4	12.5	.....	3.1	203.7	.....	.....	3.1	3.1	6.3	18.8	.....	.....	35
808.9	59.1	9.7	53.6	93.6	343.5	208.8	41.6	8.2	75.3	2.9	2.9	566.4	12.0	0.5	3.6	2.2	7.2	33.7	5.5	1.0	36
248.6	37.7	10.0	25.1	42.7	313.8	67.8	37.7	10.0	25.1	.....	.....	168.2	.....	.....	.....	.....	5.0	12.6	.....	.....	37
490.9	33.9	.....	50.8	41.1	338.5	145.1	33.9	.....	29.0	2.4	.....	333.7	.....	.....	.....	2.4	2.4	12.1	.....	.....	38
647.0	46.8	11.3	80.8	91.7	250.6	183.4	35.1	9.4	50.3	2.2	1.6	424.9	7.6	0.3	3.6	2.2	9.4	38.7	4.1	1.6	39
940.4	16.3	2.3	154.0	74.7	116.7	287.0	7.0	.....	44.3	.....	.....	611.4	7.0	2.3	4.7	2.3	4.7	42.0	2.3	.....	40
278.3	49.2	9.7	20.9	24.6	302.9	91.0	41.8	7.5	15.7	1.5	2.2	179.1	6.7	.....	0.7	0.7	3.7	8.2	0.7	2.2	41
522.9	64.8	7.5	39.8	57.3	328.7	166.8	49.8	7.5	44.8	.....	2.5	331.2	10.0	.....	.....	.....	2.5	24.9	5.0	.....	42
437.5	66.8	11.4	46.0	39.1	370.2	139.1	54.4	9.9	22.8	1.5	1.5	281.1	8.4	0.5	2.0	1.0	3.0	17.3	4.0	1.0	43
322.7	51.5	7.5	24.6	42.6	281.8	107.9	46.9	7.5	24.3	1.0	1.3	205.3	3.3	.....	1.0	.....	1.3	9.5	1.3	.....	44
643.2	28.9	3.6	83.1	79.5	361.3	227.6	21.7	3.6	36.1	.....	.....	401.1	7.2	.....	3.6	.....	.....	14.5	.....	.....	45
1,620.8	20.3	2.9	98.9	43.7	157.1	381.2	11.6	.....	145.5	.....	.....	1,201.8	8.7	2.9	.....	.....	14.6	37.8	.....	.....	46
476.8	69.6	10.7	34.0	36.7	361.3	148.9	52.3	10.2	29.7	1.1	1.1	306.3	13.5	0.5	2.7	0.5	7.6	21.6	3.8	.....	47
343.5	50.2	3.9	40.5	65.6	181.4	92.6	44.4	3.9	29.0	1.9	.....	243.2	5.8	.....	1.9	1.9	1.9	7.7	.....	.....	48
517.3	74.1	20.8	36.5	48.0	456.8	191.9	69.9	17.7	25.0	4.2	1.0	301.4	.....	.....	.....	3.1	8.3	24.0	4.2	3.1	49
546.6	65.8	13.6	81.2	84.1	339.8	150.8	52.7	12.1	45.9	2.9	2.4	364.9	9.2	1.0	2.9	1.0	10.6	30.9	3.9	0.5	50
205.3	10.8	.....	10.8	32.4	54.0	32.4	10.8	.....	.....	.....	.....	172.9	.....	.....	.....	.....	.....	.....	.....	.....	51

TABLE 14.—THE DEAF, CLASSIFIED BY AGE AND PERIOD OF LIFE WHEN DEAFNESS OCCURRED, BY STATES AND TERRITORIES: 1900.

TOTALLY DEAF.

STATE OR TERRITORY.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.			AGE WHEN DEAFNESS OCCURRED.											
					Under 20.							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.
Continental United States.	37,426	33,148	3,483	795	12,609	5,998	7,545	3,718	1,425	865	988	2,021	867	374	57	164
Alabama	609	566	37	6	314	71	80	52	22	16	11	20	10	4	1	2
Arizona	25	20	4	1	5	6	5	3	1	.....	.....	.....	2	1	.....	1
Arkansas	664	623	33	8	285	87	127	69	23	11	21	21	8	2	1	1
California	591	499	82	10	183	95	120	55	25	15	6	46	21	11	1	3
Colorado	176	152	19	5	42	40	37	12	10	4	7	12	5	1	1	.....
Connecticut	526	440	67	19	161	68	115	59	16	12	9	34	19	7	2	5
Delaware	79	64	11	4	32	7	11	8	4	1	1	5	4	1	.....	1
District of Columbia	212	189	19	4	41	27	43	40	14	6	18	10	1	2	.....	6
Florida	169	156	12	1	79	23	23	16	9	5	1	6	3	3	.....	.....
Georgia	846	781	51	14	430	91	109	75	33	19	24	30	14	6	.....	1
Idaho	51	46	4	1	12	13	12	4	2	2	1	3	1	.....	.....	.....
Illinois	2,564	2,279	228	57	627	528	606	279	97	68	74	137	47	35	2	7
Indian Territory	94	88	5	1	28	24	21	9	4	2	.....	2	3	.....	.....	.....
Indiana	1,638	1,487	122	29	413	366	390	163	72	47	36	74	25	19	2	2
Iowa	1,200	1,048	124	28	297	215	290	139	40	25	42	78	25	16	4	1
Kansas	925	835	71	19	249	204	212	95	32	16	27	31	28	10	.....	2
Kentucky	1,257	1,158	86	13	545	190	205	110	54	24	30	43	19	12	6	6
Louisiana	527	484	32	11	312	44	54	40	16	6	12	14	11	3	2	2
Maine	456	392	58	6	172	62	69	42	20	13	14	36	14	5	.....	3
Maryland	613	532	68	13	259	53	111	54	24	15	16	40	20	5	.....	3
Massachusetts	1,283	1,070	177	36	383	198	244	124	56	38	27	99	44	15	2	17
Michigan	1,337	1,178	137	22	337	239	331	155	54	39	23	83	42	8	3	1
Minnesota	862	774	68	20	268	192	171	88	28	16	11	48	8	10	1	1
Mississippi	512	463	38	11	245	61	63	40	19	10	25	22	9	7	.....	.....
Missouri	1,776	1,633	111	32	515	343	413	203	72	37	50	64	29	12	.....	6
Montana	70	64	5	1	12	19	17	8	3	4	1	2	2	1	.....	.....
Nebraska	522	460	55	7	132	92	134	49	15	6	32	23	19	7	2	4
Nevada	19	10	6	3	4	1	1	2	.....	.....	2	5	.....	1	.....	.....
New Hampshire	211	166	39	6	51	23	65	10	9	3	5	24	9	4	.....	2
New Jersey	720	604	93	23	209	83	130	112	34	20	16	54	30	7	.....	2
New Mexico	85	65	19	1	43	1	12	6	1	1	1	7	4	5	.....	3
New York	3,751	3,250	387	114	1,051	571	876	428	132	82	110	215	90	43	6	33
North Carolina	920	869	42	9	548	98	107	48	20	23	25	26	10	5	.....	1
North Dakota	135	126	5	4	42	29	37	12	6	.....	.....	4	.....	1	.....	.....
Ohio	2,431	2,040	337	54	696	367	552	219	87	63	56	206	76	35	4	16
Oklahoma	164	152	10	2	40	43	39	17	5	1	7	7	2	.....	.....	1
Oregon	193	178	13	2	45	49	47	24	5	4	4	5	6	2	.....	.....
Pennsylvania	3,103	2,666	341	96	950	427	657	355	127	84	66	211	78	25	7	20
Rhode Island	172	148	19	5	53	19	33	23	9	5	6	13	4	.....	2	.....
South Carolina	500	467	26	7	294	47	49	35	22	14	6	14	9	1	.....	2
South Dakota	191	171	19	1	45	31	46	25	7	4	13	11	6	2	.....	.....
Tennessee	984	920	52	12	501	129	150	63	26	16	35	31	12	7	.....	2
Texas	1,152	1,064	81	7	486	244	174	74	35	17	34	47	22	8	2	2
Utah	156	145	10	1	44	39	42	9	2	7	2	6	2	1	1	.....
Vermont	158	103	50	5	25	19	25	12	11	10	1	26	16	7	.....	1
Virginia	880	801	59	20	459	95	108	56	41	20	22	39	8	9	1	2
Washington	168	149	16	3	36	32	32	22	13	9	5	9	6	.....	1	.....
West Virginia	559	519	29	11	207	105	105	60	23	8	11	18	9	1	.....	1
Wisconsin	1,181	1,045	106	30	400	187	241	114	44	17	42	60	35	7	3	1
Wyoming	9	9	.....	.....	2	1	4	1	1	.....	.....	.....	.....	.....	.....	.....

TABLE 14.—THE DEAF, CLASSIFIED BY AGE AND PERIOD OF LIFE WHEN DEAFNESS OCCURRED, BY STATES AND TERRITORIES: 1900—Continued.

PARTIALLY DEAF.

STATE OR TERRITORY.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.			AGE WHEN DEAFNESS OCCURRED.											
					Under 20.							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.
Continental United States.	51,861	17,148	32,441	2,272	1,865	1,398	2,991	3,300	3,039	3,196	1,359	14,567	8,570	6,221	964	2,119
Alabama	724	300	390	34	56	24	51	55	47	39	28	161	116	77	13	23
Arizona	26	5	20	1	.....	.....	2	.....	1	1	1	14	4	1	1	.....
Arkansas	653	283	349	21	43	32	63	45	29	34	37	154	102	69	1	23
California	1,158	314	775	69	22	18	42	70	60	70	32	350	206	149	21	49
Colorado	296	110	174	12	10	19	18	20	19	21	3	95	41	27	4	7
Connecticut	958	200	642	56	29	12	46	54	54	73	22	252	166	139	32	53
Delaware	176	55	118	3	4	4	8	12	12	12	3	54	36	19	.....	9
District of Columbia	295	91	193	11	10	4	13	18	21	16	9	72	42	31	3	45
Florida	213	74	130	9	9	9	6	15	9	14	12	60	37	19	1	13
Georgia	971	418	514	39	72	37	57	79	78	65	30	246	153	82	8	25
Idaho	95	33	56	6	5	.....	8	5	3	10	2	35	8	10	1	2
Illinois	3,489	1,160	2,195	134	79	94	225	234	205	223	100	1,027	557	425	57	129
Indian Territory	134	73	59	2	15	17	10	9	8	8	6	31	21	5	.....	2
Indiana	1,969	606	1,299	64	34	65	119	113	115	118	42	593	374	208	53	71
Iowa	1,752	574	1,132	46	39	63	89	106	128	124	25	515	312	211	30	64
Kansas	1,171	345	783	43	31	19	72	65	69	71	18	374	223	135	17	34
Kentucky	1,362	561	726	75	85	50	117	100	97	76	36	310	189	175	17	35
Louisiana	684	247	412	25	51	19	30	38	37	51	21	195	105	69	11	32
Maine	801	205	575	21	14	13	44	38	33	43	15	264	144	115	20	32
Maryland	966	318	608	40	32	13	46	70	64	62	31	289	162	107	13	37
Massachusetts	2,732	768	1,842	122	49	28	114	162	160	185	70	781	433	393	76	159
Michigan	2,065	705	1,297	63	76	66	131	1.4	137	131	50	610	349	236	42	60
Minnesota	876	311	526	39	57	30	56	62	53	38	15	270	141	79	15	21
Mississippi	478	197	263	18	33	15	27	34	41	31	16	94	86	54	14	15
Missouri	1,990	669	1,256	65	63	69	134	144	105	109	45	594	335	243	23	61
Montana	56	23	32	1	4	1	6	3	2	7	.....	16	11	4	.....	1
Nebraska	698	251	420	27	29	28	37	48	23	55	21	215	95	77	17	16
Nevada	42	10	30	2	1	1	.....	1	5	2	.....	10	6	12	.....	2
New Hampshire	551	139	381	31	6	11	19	20	36	31	16	149	97	82	19	34
New Jersey	1,565	462	1,030	73	20	13	73	103	104	112	37	476	279	170	42	69
New Mexico	218	83	122	13	19	7	13	14	14	11	5	29	33	38	6	16
New York	6,195	1,761	4,112	322	127	103	313	355	327	363	173	1,693	1,060	871	130	358
North Carolina	722	328	367	27	98	36	40	41	47	38	28	157	101	79	13	17
North Dakota	121	50	65	6	6	5	10	9	6	7	7	38	17	9	.....	1
Ohio	3,649	1,075	2,407	167	94	73	193	221	200	222	72	1,080	638	468	71	150
Oklahoma	118	46	67	5	11	7	5	3	9	9	2	48	11	7	1	.....
Oregon	217	74	138	5	7	3	15	14	11	16	8	78	34	20	2	4
Pennsylvania	4,444	1,436	2,728	280	161	107	240	303	249	276	100	1,255	721	482	62	208
Rhode Island	411	126	266	19	3	5	27	37	24	21	9	119	71	47	11	18
South Carolina	452	188	249	15	39	19	24	24	29	36	17	95	69	57	8	20
South Dakota	239	90	137	12	7	11	17	19	15	14	7	86	29	17	1	4
Tennessee	1,042	411	586	45	53	57	81	72	51	57	40	236	184	127	15	24
Texas	1,164	495	636	33	61	68	104	83	64	69	46	312	172	104	14	34
Utah	187	70	113	4	10	4	15	17	10	12	2	54	30	25	3	1
Vermont	565	135	417	13	4	10	23	24	29	30	15	157	112	101	16	31
Virginia	1,033	392	594	47	68	27	49	76	70	72	30	254	174	110	20	36
Washington	206	73	129	4	12	7	16	17	6	11	4	73	32	14	4	6
West Virginia	587	268	289	30	40	23	59	48	39	39	20	149	71	56	4	9
Wisconsin	1,295	446	776	73	67	52	84	84	69	59	31	340	179	166	32	59
Wyoming	20	4	16	.....	.....	.....	.....	2	.....	2	.....	14	2	.....	.....	.....

TABLE 15.—THE DEAF, CLASSIFIED BY AGE WHEN DEAFNESS OCCURRED

TOTALLY DEAF.

	STATE OR TERRITORY.	AGE WHEN DEAFNESS OCCURRED.																	
		Under 20.																	
		Birth.			After birth, under 2.			2 and under 5.			5 and under 10.			10 and under 15.			15 and under 20.		
		Speak well.	Imperfectly.	Not at all.	Speak well.	Imperfectly.	Not at all.	Speak well.	Imperfectly.	Not at all.	Speak well.	Imperfectly.	Not at all.	Speak well.	Imperfectly.	Not at all.	Speak well.	Imperfectly.	Not at all.
1	Continental United States	492	1,589	10,528	281	1,072	4,645	580	1,489	5,476	1,373	975	1,370	1,001	251	173	736	79	50
2	Alabama	.....	9	305	.....	6	65	1	14	65	7	17	28	10	7	5	16	.....	.....
3	Arizona	.....	.....	5	.....	1	5	.....	2	3	1	1	1	.....	1	.....	.....	.....	.....
4	Arkansas	1	5	279	1	5	81	3	10	114	16	16	37	15	5	3	8	2	1
5	California	6	42	135	1	27	67	4	35	81	34	8	13	22	2	1	13	1	1
6	Colorado	.....	10	32	2	15	23	5	12	20	6	4	2	6	3	1	3	.....	1
7	Connecticut	18	40	103	8	15	45	21	31	63	25	14	20	13	.....	3	12	.....	.....
8	Delaware	3	4	25	.....	2	5	1	2	8	2	2	4	1	3	.....	1	.....	.....
9	District of Columbia	4	17	20	1	14	12	10	13	20	26	7	7	12	.....	2	6	.....	.....
10	Florida	1	5	73	.....	5	18	3	2	18	5	1	10	5	.....	4	2	2	1
11	Georgia	3	27	400	.....	8	83	2	18	89	15	24	36	20	7	6	12	5	2
12	Idaho	.....	2	10	1	3	9	1	1	10	2	2	.....	2	.....	.....	1	.....	1
13	Illinois	17	147	463	17	155	356	40	146	420	121	75	83	80	7	10	60	3	5
14	Indian Territory	.....	.....	28	.....	.....	24	2	4	15	4	4	1	2	1	1	2	.....	.....
15	Indiana	4	59	350	6	43	317	21	64	305	63	53	47	55	8	9	43	4	.....
16	Iowa	3	37	257	4	29	182	5	51	234	46	37	56	26	7	7	24	1	.....
17	Kansas	4	13	232	4	19	181	14	25	173	31	31	33	22	8	2	13	2	1
18	Kentucky	4	42	499	4	27	159	10	26	169	31	23	56	33	11	10	18	4	2
19	Louisiana	1	10	301	3	3	38	.....	7	47	8	12	20	6	6	4	3	3	.....
20	Maine	10	38	124	4	16	42	12	22	35	18	11	13	14	6	.....	13	.....	.....
21	Maryland	12	34	213	.....	13	40	8	29	74	17	16	21	17	4	3	12	1	2
22	Massachusetts	36	86	261	25	73	100	33	75	136	72	28	24	49	6	1	38	.....	.....
23	Michigan	28	41	268	26	33	180	32	66	233	78	31	46	42	7	5	35	4	.....
24	Minnesota	7	20	241	7	23	162	6	24	141	36	15	37	20	4	4	15	1	.....
25	Mississippi	2	10	233	.....	3	58	2	4	57	12	10	18	7	5	7	7	2	1
26	Missouri	5	36	474	6	34	303	22	47	344	59	55	89	49	14	9	20	5	2
27	Montana	.....	1	11	.....	3	16	1	1	15	4	1	3	2	1	.....	3	1	.....
28	Nebraska	4	19	109	.....	7	85	7	11	116	17	14	18	13	2	.....	6	.....	.....
29	Nevada	.....	1	3	.....	.....	1	.....	.....	1	1	1	.....	.....	.....	.....	.....	.....	.....
30	New Hampshire	2	9	40	3	3	17	11	15	39	4	.....	6	9	.....	.....	2	.....	1
31	New Jersey	7	43	159	2	18	63	4	35	91	43	31	38	27	3	4	19	1	.....
32	New Mexico	1	2	40	.....	.....	1	.....	.....	12	1	2	3	.....	.....	1	1	.....	.....
33	New York	95	270	686	59	183	329	108	237	531	188	109	131	101	20	11	74	5	3
34	North Carolina	20	36	492	7	10	81	9	18	80	18	9	21	8	6	6	17	3	3
35	North Dakota	2	10	30	1	4	24	7	7	23	2	3	7	4	2	.....	.....	.....	.....
36	Ohio	6	101	589	9	67	291	17	136	399	70	55	94	64	16	7	52	5	6
37	Oklahoma	.....	1	39	1	2	40	2	6	31	3	4	10	3	1	1	1	.....	.....
38	Oregon	1	1	43	.....	3	46	2	6	39	10	7	7	4	.....	1	4	.....	.....
39	Pennsylvania	113	172	665	39	95	293	67	144	446	119	120	116	97	24	6	66	11	7
40	Rhode Island	18	12	23	6	3	10	12	11	10	15	5	3	8	1	.....	5	.....	.....
41	South Carolina	1	13	280	.....	4	43	1	8	40	5	4	26	9	4	9	11	.....	3
42	South Dakota	.....	1	44	1	2	28	4	6	36	6	6	13	2	5	.....	3	1	.....
43	Tennessee	16	30	455	6	13	110	16	6	128	20	16	27	18	6	2	12	3	1
44	Texas	6	49	431	1	21	222	8	26	140	27	14	33	18	11	6	13	3	1
45	Utah	2	8	34	6	6	27	2	5	35	6	1	2	1	1	.....	6	1	.....
46	Vermont	2	3	20	1	2	16	4	6	15	7	3	2	9	1	1	10	.....	.....
47	Virginia	3	14	442	1	1	93	7	21	80	8	22	26	24	7	10	17	1	2
48	Washington	.....	4	32	.....	4	28	1	6	25	6	10	6	7	5	1	6	3	.....
49	West Virginia	2	6	199	1	8	96	2	10	93	9	13	38	14	6	3	6	1	1
50	Wisconsin	22	49	329	17	40	130	30	37	174	49	27	38	30	7	7	15	.....	2
51	Wyoming	.....	.....	2	.....	1	.....	.....	1	3	.....	1	.....	1	.....	.....	.....	.....	.....

AND ABILITY TO SPEAK, BY STATES AND TERRITORIES: 1900.

TOTALLY DEAF.

AGE WHEN DEAFNESS OCCURRED—continued.																					
Under 20—Continued.			20 and over.															Unknown.			
Not stated.			20 and under 40.			40 and under 60.			60 and under 80.			80 and over.			Not stated.						
Speak well.	Imperfectly.	Not at all.	Speak well.	Imperfectly.	Not at all.	Speak well.	Imperfectly.	Not at all.	Speak well.	Imperfectly.	Not at all.	Speak well.	Imperfectly.	Not at all.	Speak well.	Imperfectly.	Not at all.	Speak well.	Imperfectly.	Not at all.	
115	202	671	1,852	99	70	808	34	25	346	15	13	53	2	2	144	11	9	246	99	450	1
2	3	6	17	2	1	9		1	3		1	1			2			3		3	2
						2			1							1				1	3
1	3	17	20		1	7	1		2			1			1			1	2	5	4
	3	3	45		1	19		2	11			1			3			3	3	4	5
2	1	4	12			5			1			1						1	1	3	6
4	1	4	34			18	1		7			2			5			10	1	8	7
		1	5			4			1						1					4	8
1	7	10	10			1			2						6			1	1	2	9
1			5		1	3			2		1								1		10
2	3	19	26	3	1	13		1	5	1					1			4	1	9	11
	1		3			1														1	12
7	27	40	129	5	3	44	2	1	32	2	1	2			5	2		19	7	31	13
			2			3														1	14
3	5	28	70	2	2	25			17		2	1	1		2			8	2	19	15
1	9	32	74	4		21	4		16			4			1			10	5	13	16
1	2	24	27	1	3	25	1	2	9		1				2			1	1	17	17
3	4	23	39	3	1	17	2		12			5		1	4	2		3	1	9	18
1	3	8	13		1	8	3		3			2			2			6	2	3	19
2	3	9	34	1	1	13		1	5						3			4	1	1	20
2	3	11	37	2	1	18		2	4	1					2	1		6		7	21
11	7	9	95	3	1	43	1		14	1		2			16		1	17	4	15	22
6	3	14	76	3	4	42			7		1	2	1		1			13		9	23
	1	10	46	1	1	7	1		10			1			1			4	3	13	24
1	2	22	13	3	6	8		1	6	1								3	2	6	25
5	6	39	54	7	3	26		3	12						6			10	4	18	26
		1	2			1	1		1											1	27
1	5	26	20	3		18	1		6		1	2			4					7	28
1		1	5							1								3			29
1		4	24			8	1		4						2			2	1	3	30
2	5	9	49	3	2	25	2	3	5	2					1		1	8	4	11	31
		1	5	1	1	3	1		5						2	1			1		32
19	32	59	193	14	8	86	3	1	41	2		6			30		3	42	13	59	33
1	6	18	18	7	1	10			5								1	2	2	5	34
			3		1				1									1	1	2	35
5	9	42	192	7	7	70	3	3	33	1	1	4			14	1	1	15	9	30	36
	3	4	7			2									1					2	37
		4	4	1		6			2										1	1	38
8	12	46	194	10	7	75	2	1	25			6		1	17	2	1	23	14	59	39
2		4	13			4						2						2	1	2	40
1		5	11	2	1	7		2	1						2			1	1	5	41
	2	11	11			6			1		1									1	42
5	5	25	28	1	2	11	1		6		1				1	1		4	2	6	43
2	6	26	43	1	3	21	1		7	1		2			1		1	3		4	44
		2	6			2			1			1						1			45
1			26			16			7						1					5	46
3	2	17	37	1	1	8			7	1	1	1			2			5	1	14	47
1	2	2	8	1		6						1						1	1	1	48
1	2	8	15	2	1	8	1			1					1				3	8	49
5	14	23	52	5	3	33	1	1	6		1	3			1			6	2	22	50
																					51

TABLE 15.—THE DEAF, CLASSIFIED BY AGE WHEN DEAFNESS OCCURRED

PARTIALLY DEAF.

	STATE OR TERRITORY.	AGE WHEN DEAFNESS OCCURRED.																	
		Under 20.																	
		Birth.			After birth, under 2.			2 and under 5.			5 and under 10.			10 and under 15.			15 and under 20.		
		Speak well.	Imperfectly.	Not at all.	Speak well.	Imperfectly.	Not at all.	Speak well.	Imperfectly.	Not at all.	Speak well.	Imperfectly.	Not at all.	Speak well.	Imperfectly.	Not at all.	Speak well.	Imperfectly.	Not at all.
1	Continental United States	725	863	277	665	539	194	2,089	739	163	2,951	304	45	2,907	121	11	3,127	56	13
2	Alabama	17	20	19	14	4	6	30	13	8	48	6	1	43	4	.....	39	.....	.....
3	Arizona	.....	.....	.....	.....	.....	.....	1	1	.....	.....	.....	.....	1	.....	.....	1	.....	.....
4	Arkansas	19	16	8	18	9	5	37	24	2	40	5	.....	29	.....	.....	33	1	.....
5	California	8	11	3	9	5	4	29	10	3	68	2	.....	59	1	.....	69	.....	1
6	Colorado	5	3	2	5	11	3	9	7	2	16	3	1	19	.....	.....	21	.....	.....
7	Connecticut	15	11	3	8	3	1	41	3	2	52	1	1	53	.....	1	72	.....	1
8	Delaware	.....	4	.....	4	.....	.....	6	2	.....	11	1	.....	12	.....	.....	12	.....	.....
9	District of Columbia	4	5	1	1	3	.....	11	2	.....	18	.....	.....	21	.....	.....	15	.....	1
10	Florida	2	4	3	5	4	.....	5	.....	1	13	2	.....	7	1	1	13	.....	1
11	Georgia	26	27	19	12	17	8	39	14	4	64	9	6	72	6	.....	64	1	.....
12	Idaho	.....	5	.....	.....	.....	.....	4	3	1	5	.....	.....	3	.....	.....	10	.....	.....
13	Illinois	35	31	13	36	43	15	165	52	8	215	16	3	197	8	.....	220	3	.....
14	Indian Territory	6	5	4	11	6	.....	7	2	1	8	1	.....	7	.....	1	8	.....	.....
15	Indiana	14	16	4	38	22	5	83	30	6	104	7	2	107	7	1	116	2	.....
16	Iowa	10	20	9	34	15	14	63	20	6	101	5	.....	123	4	1	122	2	.....
17	Kansas	14	9	8	8	7	4	50	15	7	60	4	1	69	.....	.....	68	3	.....
18	Kentucky	33	37	15	24	16	10	75	35	7	88	10	2	87	10	.....	73	2	1
19	Louisiana	12	28	11	8	7	4	21	8	1	31	5	2	36	1	.....	49	.....	2
20	Maine	5	8	1	7	4	2	35	4	5	35	3	.....	35	3	.....	41	2	.....
21	Maryland	10	17	5	6	3	4	32	14	.....	59	7	4	63	1	.....	62	.....	.....
22	Massachusetts	25	19	5	17	9	2	101	10	3	152	9	1	154	6	.....	182	2	1
23	Michigan	32	30	14	36	19	11	84	40	7	103	11	.....	134	3	.....	131	.....	.....
24	Minnesota	26	24	7	14	10	6	29	22	5	54	8	.....	52	1	.....	38	.....	.....
25	Mississippi	10	16	7	4	10	1	20	7	.....	27	7	.....	38	3	.....	28	3	.....
26	Missouri	24	30	9	26	36	7	91	36	7	123	18	3	97	5	3	109	.....	.....
27	Montana	3	.....	1	.....	.....	1	4	1	1	3	.....	.....	2	.....	.....	7	.....	.....
28	Nebraska	6	16	7	8	12	8	27	7	3	42	3	3	33	.....	.....	54	1	.....
29	Nevada	1	.....	.....	.....	.....	1	.....	.....	.....	1	.....	.....	4	1	.....	2	.....	.....
30	New Hampshire	4	2	.....	10	1	.....	16	3	.....	18	2	.....	36	.....	.....	30	.....	1
31	New Jersey	9	9	2	5	6	2	61	10	2	97	6	.....	102	2	.....	112	.....	.....
32	New Mexico	9	7	3	2	3	2	12	1	.....	13	1	.....	14	.....	.....	10	1	.....
33	New York	65	55	7	69	28	6	232	70	11	316	34	5	319	7	1	355	7	1
34	North Carolina	38	45	15	15	14	7	22	14	4	33	8	.....	46	1	.....	35	3	.....
35	North Dakota	3	3	.....	3	1	1	8	2	.....	8	.....	1	6	.....	.....	7	.....	.....
36	Ohio	31	50	13	37	28	8	137	48	8	199	21	1	190	10	.....	216	4	2
37	Oklahoma	2	8	1	2	3	2	2	3	.....	3	.....	.....	8	1	.....	9	.....	.....
38	Oregon	2	5	.....	2	1	.....	11	4	.....	14	.....	.....	11	.....	.....	16	.....	.....
39	Pennsylvania	71	72	18	57	32	18	166	59	15	271	30	2	243	5	1	270	6	.....
40	Rhode Island	3	.....	.....	4	1	.....	27	.....	.....	36	1	.....	23	1	.....	21	.....	.....
41	South Carolina	9	27	3	5	11	3	16	5	3	18	6	.....	26	3	.....	36	.....	.....
42	South Dakota	2	5	.....	4	6	1	11	5	1	14	4	1	15	.....	.....	14	.....	.....
43	Tennessee	28	21	4	23	30	4	50	24	7	56	16	.....	46	4	1	53	4	.....
44	Texas	18	34	9	19	40	9	60	39	5	76	7	.....	59	5	.....	69	.....	.....
45	Utah	8	2	.....	3	1	.....	14	1	.....	14	2	1	10	.....	.....	12	.....	.....
46	Vermont	4	.....	.....	8	2	.....	22	1	.....	23	1	.....	29	.....	.....	30	.....	.....
47	Virginia	21	40	7	15	11	1	31	14	4	65	9	2	61	9	.....	66	6	.....
48	Washington	3	9	.....	1	5	1	9	6	1	15	2	.....	6	.....	.....	11	.....	.....
49	West Virginia	14	20	6	8	11	4	33	22	4	44	3	1	34	5	.....	35	3	1
50	Wisconsin	19	37	11	20	29	3	50	26	8	76	7	1	66	3	.....	59	.....	.....
51	Wyoming	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....	.....	.....	.....	2	.....	.....

AND ABILITY TO SPEAK, BY STATES AND TERRITORIES: 1900—Continued.

PARTIALLY DEAF.

AGE WHEN DEAFNESS OCCURRED—continued.																					
Under 20—Continued.			20 and over.															Unknown.			
Not stated.			20 and under 40.			40 and under 60.			60 and under 80.			80 and over.			Not stated.						
Speak well.	Imperfectly.	Not at all.	Speak well.	Imperfectly.	Not at all.	Speak well.	Imperfectly.	Not at all.	Speak well.	Imperfectly.	Not at all.	Speak well.	Imperfectly.	Not at all.	Speak well.	Imperfectly.	Not at all.	Speak well.	Imperfectly.	Not at all.	
1,022	266	71	14,363	184	20	8,433	121	16	6,107	98	16	945	16	3	2,076	38	5	2,064	155	53	1
15	8	5	159	2	.....	116	.....	.....	76	.....	1	13	.....	.....	21	2	.....	28	4	2	2
1	.....	.....	12	2	.....	3	1	.....	1	.....	.....	.....	1	.....	.....	.....	.....	1	.....	.....	3
28	8	1	150	4	.....	102	.....	.....	68	.....	1	1	.....	.....	22	.....	1	21	.....	.....	4
27	4	1	350	.....	.....	203	3	.....	148	.....	1	21	.....	.....	47	1	1	64	3	2	5
1	2	.....	95	.....	.....	40	1	.....	27	.....	.....	4	.....	.....	7	.....	.....	12	.....	.....	6
20	1	1	252	.....	.....	165	1	.....	138	1	.....	32	.....	.....	52	1	.....	54	2	.....	7
3	.....	.....	54	.....	.....	36	.....	.....	17	2	.....	.....	.....	.....	9	.....	.....	3	.....	.....	8
8	1	.....	72	.....	.....	42	.....	.....	31	.....	.....	3	.....	.....	45	.....	.....	9	2	.....	9
9	3	.....	60	.....	.....	37	.....	.....	19	.....	.....	1	.....	.....	13	.....	.....	9	.....	.....	10
24	3	3	242	4	.....	151	1	1	82	.....	.....	8	.....	.....	25	.....	.....	36	2	1	11
1	.....	1	35	.....	.....	8	.....	.....	10	.....	.....	1	.....	.....	2	.....	.....	6	.....	.....	12
76	19	5	1,022	5	.....	546	9	2	411	14	.....	57	.....	.....	128	1	.....	121	10	3	13
3	2	1	30	1	.....	21	.....	.....	5	.....	.....	.....	.....	.....	2	.....	.....	2	.....	.....	14
34	8	.....	584	6	3	370	4	.....	206	1	1	51	.....	2	70	1	.....	61	3	.....	15
17	7	1	509	4	2	308	3	1	210	1	.....	30	.....	.....	63	1	.....	44	2	.....	16
14	1	3	367	6	1	216	6	1	133	.....	2	16	.....	1	32	2	.....	38	3	2	17
28	3	5	207	11	2	184	4	1	169	5	1	17	.....	.....	32	3	.....	67	5	3	18
18	2	1	192	3	.....	105	.....	.....	65	2	2	11	.....	.....	29	3	.....	23	1	1	19
13	1	1	263	.....	1	142	1	1	114	1	.....	20	.....	.....	32	.....	.....	21	.....	.....	20
23	6	2	287	1	1	159	2	1	106	.....	1	13	.....	.....	37	.....	.....	34	3	3	21
57	13	.....	775	5	1	430	3	.....	388	5	.....	76	.....	.....	157	2	.....	117	4	1	22
42	6	2	606	3	1	344	5	.....	229	2	5	42	.....	.....	60	.....	.....	57	5	1	23
9	5	1	267	3	.....	139	1	1	77	2	.....	15	.....	.....	19	2	.....	35	3	1	24
7	9	.....	89	5	.....	85	1	.....	52	2	.....	14	.....	.....	15	.....	.....	18	.....	.....	25
29	10	6	584	9	1	332	2	1	237	6	.....	21	2	.....	61	.....	.....	60	4	1	26
.....	.....	.....	15	1	.....	9	2	.....	4	.....	.....	.....	.....	.....	.....	.....	1	1	.....	.....	27
12	6	3	212	3	.....	93	1	1	74	2	1	17	.....	.....	15	1	.....	24	2	1	28
.....	.....	.....	10	.....	.....	6	.....	.....	12	.....	.....	.....	.....	.....	2	.....	.....	2	.....	.....	29
13	3	.....	147	2	.....	94	3	.....	81	1	.....	19	.....	.....	34	.....	.....	30	1	.....	30
33	4	.....	408	2	.....	277	1	1	169	1	.....	42	.....	.....	69	.....	.....	69	1	3	31
3	2	.....	29	.....	.....	33	.....	.....	37	1	.....	6	.....	.....	15	1	.....	13	.....	.....	32
132	37	4	1,073	19	1	1,048	10	2	863	8	.....	127	3	.....	353	5	.....	307	10	5	33
19	7	2	153	4	.....	99	2	.....	77	2	.....	12	1	.....	17	.....	.....	26	1	.....	34
6	.....	1	38	.....	.....	17	.....	.....	9	.....	.....	.....	.....	.....	1	.....	.....	6	.....	.....	35
58	12	2	1,052	26	2	629	9	.....	459	9	.....	69	2	.....	146	4	.....	140	23	4	36
1	.....	1	48	.....	.....	11	.....	.....	7	.....	.....	1	.....	.....	.....	.....	.....	5	.....	.....	37
4	4	.....	78	.....	.....	34	.....	.....	20	.....	.....	2	.....	.....	4	.....	.....	5	.....	.....	38
78	17	5	1,230	15	1	702	19	.....	473	9	.....	60	2	.....	204	3	1	244	26	10	39
9	.....	.....	117	2	.....	69	1	1	47	.....	.....	11	.....	.....	18	.....	.....	18	1	.....	40
12	4	1	92	3	.....	67	2	.....	55	2	.....	6	2	.....	20	.....	.....	11	1	3	41
7	.....	.....	85	1	.....	28	1	.....	15	2	.....	1	.....	.....	4	.....	.....	10	2	.....	42
25	11	4	227	8	1	180	4	.....	123	4	.....	14	1	.....	24	.....	.....	35	8	2	43
28	18	.....	303	4	.....	167	5	.....	103	1	.....	14	.....	.....	34	.....	.....	29	4	.....	44
2	.....	.....	54	.....	.....	28	2	.....	25	.....	.....	3	.....	.....	1	.....	.....	4	.....	.....	45
15	.....	.....	155	1	1	111	1	.....	100	1	.....	16	.....	.....	31	.....	.....	13	.....	.....	46
17	8	5	242	12	.....	169	5	.....	104	6	.....	10	1	.....	34	1	1	40	7	.....	47
3	1	.....	72	1	.....	32	.....	.....	14	.....	.....	4	.....	.....	4	2	.....	4	.....	.....	48
16	3	1	149	.....	.....	71	.....	.....	56	.....	.....	4	.....	.....	9	.....	.....	23	4	3	49
22	7	2	333	6	1	173	5	1	161	5	.....	31	1	.....	57	2	.....	64	8	1	50
.....	.....	.....	14	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	51

TABLE 16.—THE DEAF, CLASSIFIED BY PRESENT AGE AND NATIVITY OF WHITES, BY STATES AND TERRITORIES: 1900.

TOTALLY DEAF.

STATE OR TERRITORY.	PRESENT AGE.																		
	All ages.	Under 20.						20 and over.						Unknown.					
		Aggregate.	White.				Colored.	Aggregate.	White.				Colored.	Aggregate.	White.				Colored.
			Total.	Native.	Foreign born.	Unknown.			Total.	Native.	Foreign born.	Unknown.			Total.	Native.	Foreign born.	Unknown.	
Continental United States	37,426	13,987	12,742	11,790	659	293	1,245	23,272	21,729	18,189	3,344	196	1,543	167	119	75	11	33	48
Alabama	609	237	161	159	.....	2	76	372	235	230	4	1	137	.....	.....	.....	.....	.....	.....
Arizona	25	9	8	7	1	.....	1	15	13	11	2	.....	2	1	.....	.....	.....	.....	1
Arkansas	664	320	267	266	1	.....	53	327	274	268	4	2	53	17	13	13	.....	.....	4
California	591	238	233	211	15	7	5	351	347	270	76	1	4	2	2	2	.....	.....	.....
Colorado	176	85	85	60	2	23	.....	90	90	76	14	.....	.....	1	1	1	.....	.....	.....
Connecticut	526	175	175	154	19	2	.....	349	348	296	52	.....	1	2	2	.....	.....	2	.....
Delaware	79	21	19	19	.....	.....	2	57	50	42	7	1	7	1	1	1	.....	.....	.....
District of Columbia	212	64	47	45	2	.....	17	147	132	110	22	.....	15	1	.....	.....	.....	.....	1
Florida	169	77	42	41	1	.....	35	91	54	51	2	1	37	1	1	.....	.....	1	.....
Georgia	846	362	231	231	.....	.....	131	476	292	283	7	2	184	8	3	3	.....	.....	5
Idaho	51	25	24	24	.....	.....	1	26	23	17	6	.....	3	.....	.....	.....	.....	.....	.....
Illinois	2,564	947	941	825	70	46	6	1,604	1,588	1,254	312	22	16	13	11	6	1	4	2
Indian Territory	94	43	32	32	.....	.....	11	51	38	36	2	.....	13	.....	.....	.....	.....	.....	.....
Indiana	1,638	506	496	492	4	.....	10	1,126	1,122	1,040	74	8	4	6	6	4	1	1	.....
Iowa	1,200	376	375	358	16	1	1	823	818	655	152	11	5	1	1	.....	.....	1	.....
Kansas	925	349	336	326	7	3	13	576	563	487	72	4	13	.....	.....	.....	.....	.....	.....
Kentucky	1,257	517	470	466	3	1	47	732	652	625	25	2	80	8	6	6	.....	.....	2
Louisiana	527	250	168	153	.....	15	82	273	196	180	14	2	77	4	2	1	.....	1	2
Maine	456	110	109	105	4	.....	1	344	344	307	36	1	.....	2	2	2	.....	.....	.....
Maryland	613	190	154	129	3	22	36	420	359	327	30	2	61	3	1	1	.....	.....	2
Massachusetts	1,283	374	372	345	27	.....	2	906	896	678	212	6	10	3	3	2	.....	1	.....
Michigan	1,337	438	437	393	42	2	1	897	893	644	242	7	4	2	2	2	.....	.....	.....
Minnesota	862	351	350	319	28	3	1	511	510	275	231	4	1	.....	.....	.....	.....	.....	.....
Mississippi	512	233	139	138	.....	1	94	278	159	154	1	4	119	1	1	.....	.....	1	.....
Missouri	1,776	665	640	611	10	19	25	1,095	1,047	942	87	18	48	16	14	5	1	8	2
Montana	70	40	33	31	2	.....	7	30	27	20	6	1	3	.....	.....	.....	.....	.....	.....
Nebraska	522	203	201	191	9	1	2	315	313	228	83	2	2	4	4	3	1	.....	.....
Nevada	19	6	4	4	.....	.....	2	13	8	4	4	.....	5	.....	.....	.....	.....	.....	.....
New Hampshire	211	30	30	22	8	.....	.....	181	181	153	24	4	.....	.....	.....	.....	.....	.....	.....
New Jersey	720	220	220	195	24	1	.....	497	485	403	78	4	12	3	3	2	.....	1	.....
New Mexico	85	34	33	33	.....	.....	1	51	47	44	3	.....	4	.....	.....	.....	.....	.....	.....
New York	3,751	1,381	1,371	1,188	181	2	10	2,360	2,341	1,866	454	21	19	10	8	3	1	4	2
North Carolina	920	475	355	302	.....	53	120	431	334	328	2	4	97	14	1	1	.....	.....	13
North Dakota	135	73	68	46	22	.....	5	60	55	18	37	.....	5	2	2	2	.....	.....	.....
Ohio	2,431	751	742	701	27	14	9	1,673	1,654	1,421	220	13	19	7	5	2	1	2	2
Oklahoma	164	91	81	40	3	38	10	73	66	56	9	1	7	.....	.....	.....	.....	.....	.....
Oregon	193	69	68	58	2	8	1	123	123	103	15	5	.....	1	1	1	.....	.....	.....
Pennsylvania	3,103	933	923	861	57	5	10	2,165	2,145	1,891	232	22	20	5	5	2	1	2	.....
Rhode Island	172	58	56	48	8	.....	2	113	108	78	30	.....	5	1	1	1	.....	.....	.....
South Carolina	500	238	112	112	.....	.....	126	261	128	125	3	.....	133	1	.....	.....	.....	.....	1
South Dakota	191	71	65	47	8	10	6	119	101	54	46	1	18	1	1	.....	1	.....	.....
Tennessee	984	504	423	422	.....	1	81	475	395	382	10	3	80	5	4	3	.....	1	1
Texas	1,152	637	543	534	7	2	94	512	440	397	40	3	72	3	2	1	1	.....	1
Utah	156	66	64	59	5	.....	2	90	89	57	32	.....	1	.....	.....	.....	.....	.....	.....
Vermont	158	20	20	20	.....	.....	.....	136	136	108	27	1	.....	2	2	.....	.....	2	.....
Virginia	880	380	284	281	.....	3	96	490	354	345	7	2	136	10	3	3	.....	.....	7
Washington	168	64	63	57	6	.....	1	104	103	78	25	.....	1	.....	.....	.....	.....	.....	.....
West Virginia	559	249	244	235	1	8	5	307	301	288	7	6	6	3	3	2	.....	1	.....
Wisconsin	1,181	426	423	389	34	.....	3	753	750	483	263	4	3	2	2	.....	2	.....	.....
Wyoming	9	6	5	5	.....	.....	1	3	2	1	1	.....	1	.....	.....	.....	.....	.....	.....

TABLE 16.—THE DEAF, CLASSIFIED BY PRESENT AGE AND NATIVITY OF WHITES, BY STATES AND TERRITORIES: 1900—Continued.

PARTIALLY DEAF.

STATE OR TERRITORY.	PRESENT AGE.																	
	All ages.	Under 20.						20 and over.						Unknown.				
		Aggregate.	White.				Colored.	Aggregate.	White.				Colored.	Aggregate.	White.				Colored.
			Total.	Native.	Foreign born.	Unknown.			Total.	Native.	Foreign born.	Unknown.			Total.	Native.	Foreign born.	Unknown.	
Continental United States	51,861	4,371	3,960	3,717	176	67	411	47,330	45,668	35,994	9,566	108	1,662	160	143	100	30	13	17
Alabama	724	112	76	76			36	606	482	471	11		124	6	3	3			3
Arizona	26	2	2	2				23	17	14	2	1	6	1	1		1		
Arkansas	653	133	107	106		1	26	517	440	424	14	2	77	3	1			1	2
California	1,158	57	55	49	4	2	2	1,096	1,089	742	344	3	7	5	5	5			
Colorado	296	38	38	25	1	12		257	256	201	53	2	1	1	1	1			
Connecticut	988	43	43	40		3		944	938	770	168		6	1	1	1			
Delaware	176	7	7	7				167	158	146	12		9	2	2	2			
District of Columbia	295	10	6	6			4	283	249	181	67	1	34	2	2	1	1		
Florida	213	21	14	14			7	191	160	141	18	1	31	1	1	1			
Georgia	971	165	107	106		1	58	800	633	620	13		167	6	2	2			4
Idaho	95	13	13	10	3			81	69	49	20		12	1					1
Illinois	3,489	291	288	261	15	12	3	3,190	3,178	2,238	932	8	12	8	8	3	5		
Indian Territory	134	31	23	23			8	101	90	83	7		11	2	1	1			1
Indiana	1,969	138	137	135	2		1	1,825	1,817	1,545	264	8	8	6	6	6			
Iowa	1,752	109	109	109				1,635	1,633	1,186	443	4	2	8	8	4	3	1	
Kansas	1,171	69	67	65	2		2	1,098	1,078	841	237		20	4	4	4			
Kentucky	1,362	203	187	187			16	1,148	1,061	953	108		87	11	11	10		1	
Louisiana	684	78	50	49		1	28	604	460	364	96		144	2	2	2			
Maine	801	34	34	30	4			766	766	696	69	1		1	1		1		
Maryland	966	65	44	41	2	1	21	900	805	695	107	3	95	1	1	1			
Massachusetts	2,732	98	97	80	16	1	1	2,625	2,617	2,056	559	2	8	9	9	4	3	2	
Michigan	2,065	184	184	171	13			1,875	1,864	1,337	521	6	11	6	6	4	2		
Minnesota	876	93	92	83	9		1	783	781	386	392	3	2						
Mississippi	478	73	45	44	1		28	399	265	258	7		134	6	3	2		1	3
Missouri	1,990	184	177	173	3	1	7	1,802	1,770	1,471	292	7	32	4	3	3			1
Montana	56	8	8	7	1			48	47	33	14		1						
Nebraska	698	75	75	74	1			622	614	441	171	2	8	1	1	1			
Nevada	42	3	3	3				39	34	17	17		5						
New Hampshire	551	7	7	7				543	543	483	59	1		1	1			1	
New Jersey	1,565	56	50	47	3		6	1,509	1,498	1,208	289	1	11						
New Mexico	218	40	38	37	1		2	176	162	150	12		14	2	2	2			
New York	6,195	332	330	293	37		2	5,845	5,830	4,297	1,522	11	15	18	18	9	7	2	
North Carolina	722	151	114	97		17	37	569	499	486	12	1	70	2	1	1			1
North Dakota	121	15	14	9	5		1	104	99	49	50		5	2	2	1	1		
Ohio	3,649	200	198	187	9	2	2	3,443	3,416	2,711	697	8	27	6	6	4	1	1	
Oklahoma	118	19	18	13		5	1	99	95	81	12	2	4						
Oregon	217	17	16	14		2	1	198	192	146	45	1	6	2	2	1	1		
Pennsylvania	4,444	319	316	302	13	1	3	4,110	4,086	3,353	719	14	24	15	15	11	3	1	
Rhode Island	411	25	25	22	3			385	382	297	85		3	1	1	1			
South Carolina	452	64	38	38			26	387	242	231	9	2	145	1					1
South Dakota	239	29	20	18	2		9	210	181	110	70	1	29						
Tennessee	1,042	160	135	133	1	1	25	880	801	770	30	1	79	2	2	2			
Texas	1,164	201	181	173	6	2	20	961	919	776	139	4	42	2	2	2			
Utah	187	24	24	23	1			163	163	53	110								
Vermont	565	7	7	7				557	557	478	79			1	1			1	
Virginia	1,033	109	86	86			23	920	800	754	42	4	120	4	4	4			
Washington	206	30	30	27	3			176	172	123	48	1	4						
West Virginia	587	97	94	92		2	3	488	484	455	29		4	2	2	1		1	
Wisconsin	1,295	132	131	116	15		1	1,162	1,157	610	545	2	5	1	1		1		
Wyoming	20							20	19	14	5		1						

TABLE 17.—THE DEAF, CLASSIFIED BY AGE WHEN DEAFNESS

TOTALLY DEAF.

	STATE OR TERRITORY.	All ages.	AGE WHEN DEAFNESS OCCURRED.																
			Definitely stated.																
			Birth.	Under 1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Continental United States.	37,426	12,609	2,421	3,577	3,704	2,368	1,473	1,128	871	746	581	392	417	209	373	199	227	230
2	Alabama	609	314	32	39	45	22	13	13	17	7	7	8	4	1	9	4	4	5
3	Arizona	25	5	2	4	4	1	.....	.....	1	1	1	.....	.....	.....	.....	.....	1	.....
4	Arkansas	664	285	40	47	71	34	22	16	22	14	12	5	6	4	7	2	4	4
5	California	591	183	42	53	60	32	28	17	14	13	8	3	8	1	6	3	7	3
6	Colorado	176	42	18	22	19	12	6	3	3	2	3	1	3	3	2	1	1	1
7	Connecticut	526	161	28	40	43	42	30	14	19	13	7	6	6	.....	6	1	3	4
8	Delaware	79	32	2	5	3	6	2	4	1	1	1	1	1	.....	1	1	1	1
9	District of Columbia	212	41	9	18	16	11	16	11	9	8	7	5	4	6	1	2	1	.....
10	Florida	169	79	8	15	11	10	2	3	6	5	1	1	3	.....	3	2	1	2
11	Georgia	846	430	29	62	44	43	22	19	19	18	11	8	4	4	16	3	6	4
12	Idaho	51	12	6	7	7	4	1	2	.....	.....	1	1	.....	.....	1	.....	1	1
13	Illinois	2,564	627	217	311	310	193	103	76	68	66	38	31	27	16	27	17	10	11
14	Indian Territory	94	28	10	14	12	6	3	1	3	3	.....	2	3	.....	.....	.....	1	.....
15	Indiana	1,638	413	162	204	184	120	86	48	38	36	19	22	21	9	20	12	10	15
16	Iowa	1,200	297	90	125	166	87	37	40	35	27	21	16	13	6	9	3	9	7
17	Kansas	925	249	85	119	119	67	26	31	30	17	10	7	12	5	5	6	4	5
18	Kentucky	1,257	545	76	114	92	69	44	33	22	26	16	13	21	7	16	5	5	10
19	Louisiana	527	312	18	26	27	19	8	12	10	4	7	7	7	1	5	.....	3	2
20	Maine	456	172	30	32	41	16	12	15	5	8	6	8	6	3	4	4	3	4
21	Maryland	613	259	22	31	62	36	13	16	12	7	11	8	4	6	9	2	3	3
22	Massachusetts	1,283	383	85	113	112	83	49	33	24	27	26	14	14	6	17	7	12	12
23	Michigan	1,337	337	98	141	170	101	60	47	27	33	27	21	10	12	9	14	9	4
24	Minnesota	862	268	68	124	85	50	36	28	18	23	11	8	5	5	10	4	4	3
25	Mississippi	512	245	35	26	27	20	16	12	4	4	14	6	9	3	1	2	4	2
26	Missouri	1,776	515	146	197	196	116	101	86	37	29	27	24	28	14	14	7	9	10
27	Montana	70	12	11	8	10	4	3	1	3	2	1	1	1	.....	.....	1	1	.....
28	Nebraska	522	132	32	60	73	34	27	15	9	11	9	5	3	2	2	3	5	1
29	Nevada	19	4	.....	1	.....	.....	1	.....	.....	1	.....	1	.....	.....	.....	.....	.....	.....
30	New Hampshire	211	51	10	13	32	22	11	6	3	.....	1	.....	1	.....	1	3	4	1
31	New Jersey	720	209	31	52	66	42	22	34	24	22	22	10	13	4	11	3	3	4
32	New Mexico	85	43	.....	1	6	4	2	3	2	1	.....	.....	.....	.....	1	.....	.....	.....
33	New York	3,751	1,051	214	357	411	298	167	135	102	86	73	32	46	15	40	17	14	28
34	North Carolina	920	548	43	55	41	41	25	12	16	6	11	3	10	.....	6	2	2	4
35	North Dakota	135	42	13	16	15	12	10	6	5	1	.....	.....	1	2	2	1	.....	.....
36	Ohio	2,431	696	137	230	260	173	119	71	43	45	38	22	21	14	19	14	19	14
37	Oklahoma	164	40	18	25	18	12	9	7	4	2	2	2	1	1	1	1	1	.....
38	Oregon	193	45	19	30	22	14	11	6	4	4	6	4	3	.....	.....	1	1	1
39	Pennsylvania	3,103	950	145	282	327	211	119	108	92	73	47	35	32	23	28	21	23	22
40	Rhode Island	172	53	9	10	7	13	13	5	5	7	4	2	2	3	1	1	2	1
41	South Carolina	500	294	21	26	21	13	15	7	6	12	6	4	7	1	12	.....	2	3
42	South Dakota	191	45	13	18	21	12	13	11	3	5	3	3	4	.....	1	1	1	.....
43	Tennessee	984	501	41	88	73	47	30	17	18	11	9	8	6	4	9	5	2	4
44	Texas	1,152	486	108	136	93	50	31	19	15	16	18	6	10	4	7	8	6	7
45	Utah	156	44	14	25	20	14	8	3	2	1	2	1	1	.....	1	.....	.....	3
46	Vermont	158	25	6	13	15	3	7	2	3	3	3	1	1	5	1	1	3	1
47	Virginia	880	459	45	50	55	35	18	20	13	9	7	7	13	5	11	6	6	9
48	Washington	168	36	20	12	23	5	4	4	5	7	4	2	6	3	4	.....	.....	4
49	West Virginia	559	207	43	62	50	37	18	25	18	4	9	4	5	4	5	2	7	4
50	Wisconsin	1,181	400	70	117	117	71	53	31	32	24	14	13	10	7	12	6	9	6
51	Wyoming	9	2	.....	1	2	1	1	.....	.....	1	.....	.....	1	.....	.....	.....	.....	.....

OCCURRED, BY STATES AND TERRITORIES: 1900.

TOTALLY DEAF.

AGE WHEN DEAFNESS OCCURRED—continued.																				
Definitely stated—Continued.													Indefinitely stated.						Unknown.	
16	17	18	19	20 and under 30	30 and under 40	40 and under 50	50 and under 60	60 and under 70	70 and under 80	80 and under 90	90 and under 100	100 and over.	Present age, under 20	Infancy.	Childhood.	Youth.	Adult life.	Old age.		
217	127	197	94	1,164	857	539	328	223	151	48	9	.....	345	260	373	10	113	51	795	1
5	.....	3	3	7	13	7	3	2	2	.....	1	.....	1	6	3	1	2	.....	6	2
.....	.....	.....	.....	.....	.....	1	1	1	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1	3
3	2	1	1	10	11	5	3	1	1	1	.....	.....	13	6	2	.....	1	.....	8	4
5	2	2	3	24	22	14	7	9	2	1	.....	.....	2	2	2	.....	.....	3	10	5
1	.....	2	.....	6	6	2	3	.....	1	1	.....	.....	3	2	2	.....	.....	.....	5	6
3	2	2	1	17	17	10	9	4	3	2	.....	.....	1	3	5	.....	5	.....	19	7
.....	.....	.....	.....	3	2	2	2	1	.....	.....	.....	.....	1	.....	.....	.....	.....	1	4	8
3	2	1	.....	9	1	.....	1	2	.....	.....	.....	.....	13	4	1	.....	2	4	4	9
2	.....	.....	1	5	1	3	.....	2	1	.....	.....	.....	.....	.....	.....	1	.....	.....	1	10
7	2	5	1	20	10	6	8	3	3	.....	.....	.....	9	5	10	.....	.....	1	14	11
.....	.....	.....	1	1	2	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	1	12
17	12	21	7	77	60	34	13	24	11	2	.....	.....	41	9	23	1	6	1	57	13
1	.....	1	.....	1	1	2	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	14
8	7	9	8	42	32	13	12	10	9	2	.....	.....	13	7	14	2	.....	2	29	15
4	4	7	3	45	33	17	8	11	5	3	1	.....	3	5	32	2	1	.....	28	16
3	4	.....	4	20	11	18	10	6	4	.....	.....	.....	12	5	10	.....	2	.....	19	17
6	3	2	3	28	15	12	7	8	4	6	.....	.....	15	7	8	.....	2	4	13	18
1	1	2	.....	9	5	5	6	2	1	1	1	.....	1	3	6	2	1	1	11	19
3	2	3	1	19	17	9	5	2	3	.....	.....	.....	2	7	5	.....	2	1	6	20
1	1	9	1	26	14	10	10	3	2	.....	.....	.....	4	6	6	.....	2	1	13	21
10	3	7	6	53	46	26	18	6	9	1	1	.....	4	3	20	.....	13	4	36	22
13	6	9	7	47	36	28	14	4	4	1	2	.....	7	11	5	.....	1	.....	22	23
6	1	4	2	21	27	4	4	8	2	1	.....	.....	3	2	6	.....	1	.....	20	24
1	1	5	1	13	9	6	3	5	2	.....	.....	.....	8	4	12	1	.....	.....	11	25
10	3	10	4	41	23	21	8	9	3	.....	.....	.....	25	12	13	.....	4	2	32	26
1	3	.....	.....	.....	2	1	1	1	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1	27
.....	3	1	1	14	9	15	4	4	3	2	.....	.....	12	13	7	.....	2	2	7	28
.....	.....	.....	.....	3	2	.....	.....	1	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	3	29
1	1	.....	.....	16	8	8	1	1	3	.....	.....	.....	1	1	3	.....	1	1	6	30
6	4	1	5	30	24	18	12	4	3	.....	.....	.....	7	5	4	.....	2	.....	23	31
.....	.....	1	.....	3	4	3	1	1	4	.....	.....	.....	.....	.....	1	.....	1	2	1	32
18	11	20	5	134	81	49	41	21	22	6	.....	.....	43	34	33	.....	22	11	114	33
6	2	5	6	17	9	5	5	4	1	.....	.....	.....	18	2	5	.....	1	.....	9	34
.....	.....	.....	.....	3	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4	35
14	11	20	4	115	91	46	30	21	14	3	1	.....	10	24	22	.....	15	1	54	36
1	.....	.....	.....	7	.....	1	1	.....	.....	.....	.....	.....	3	1	3	.....	1	.....	2	37
.....	2	1	.....	3	2	5	1	2	.....	.....	.....	.....	2	1	1	.....	.....	.....	2	38
22	11	21	8	125	86	49	29	15	10	7	.....	.....	14	17	35	.....	14	6	96	39
1	1	2	.....	7	6	3	1	.....	.....	2	.....	.....	5	1	.....	.....	.....	.....	5	40
7	3	1	.....	7	7	5	4	.....	1	.....	.....	.....	4	.....	2	.....	.....	2	7	41
1	1	2	.....	3	8	4	2	.....	2	.....	.....	.....	1	1	11	.....	.....	.....	1	42
5	3	4	.....	21	10	9	3	5	2	.....	.....	.....	6	13	16	.....	2	.....	12	43
2	5	2	1	30	17	19	3	5	3	1	1	.....	10	16	8	.....	2	.....	7	44
2	1	1	.....	6	.....	1	1	1	.....	1	.....	.....	1	.....	1	.....	.....	.....	1	45
3	1	3	2	10	16	9	7	1	6	.....	.....	.....	.....	.....	1	.....	1	.....	5	46
7	2	2	.....	16	23	4	4	6	3	.....	1	.....	8	9	5	.....	1	1	20	47
2	.....	1	2	8	1	5	1	.....	.....	1	.....	.....	1	.....	4	.....	.....	.....	3	48
2	1	.....	1	12	6	6	3	.....	1	.....	.....	.....	3	1	7	.....	1	.....	11	49
3	3	4	1	30	30	18	17	6	1	3	.....	.....	12	11	19	.....	1	.....	30	50
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	51

TABLE 17.—THE DEAF, CLASSIFIED BY AGE WHEN DEAFNESS PARTIALLY DEAF.

	STATE OR TERRITORY.	All ages.	AGE WHEN DEAFNESS OCCURRED. Definitely stated.																
			Birth.	Under 1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Continental United States.	51,861	1,865	570	828	1,179	1,008	804	872	726	612	686	404	961	243	877	355	603	855
2	Alabama	724	56	13	11	21	16	14	16	6	11	12	10	19	5	16	1	6	7
3	Arizona	26	.....	.....	.....	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1
4	Arkansas	653	43	21	11	34	15	14	7	13	7	13	5	6	5	9	5	4	6
5	California	1,158	22	6	12	13	20	9	18	16	16	14	6	20	3	16	7	14	11
6	Colorado	296	10	8	11	5	6	7	7	5	3	4	1	4	3	7	2	3	9
7	Connecticut	988	29	2	10	14	13	19	17	12	13	7	5	17	6	14	5	12	20
8	Delaware	176	4	1	3	3	5	.....	3	3	1	4	1	2	1	5	1	3	5
9	District of Columbia	295	10	.....	4	6	.....	7	2	4	4	5	3	6	1	9	2	3	3
10	Florida	213	9	5	4	3	2	1	7	2	3	3	.....	3	1	2	2	1	3
11	Georgia	971	72	13	24	27	18	12	25	19	15	10	10	29	9	21	10	9	20
12	Idaho	95	5	.....	.....	5	1	2	2	2	.....	1	.....	2	.....	.....	.....	1	3
13	Illinois	3,489	79	37	57	84	81	60	48	56	46	46	38	54	15	64	20	52	68
14	Indian Territory	134	15	8	9	4	5	1	4	.....	2	2	1	4	.....	2	2	.....	3
15	Indiana	1,969	34	23	42	54	39	26	28	23	20	21	21	33	10	32	15	25	27
16	Iowa	1,752	39	30	33	29	30	30	31	22	17	19	17	49	8	31	16	24	31
17	Kansas	1,171	31	4	15	30	22	20	22	14	9	9	11	23	4	9	14	19	21
18	Kentucky	1,362	85	20	30	44	40	33	24	28	15	26	7	28	9	21	13	26	15
19	Louisiana	684	51	8	11	12	7	11	11	10	8	6	3	14	2	11	6	4	13
20	Maine	801	14	3	10	12	15	17	8	7	10	8	5	14	1	13	4	6	7
21	Maryland	966	32	6	7	15	17	14	13	23	11	18	5	23	4	16	6	15	12
22	Massachusetts	2,732	49	12	16	42	39	33	48	32	34	31	17	47	3	50	19	36	56
23	Michigan	2,065	76	20	46	65	40	26	35	33	18	18	10	38	14	48	16	21	31
24	Minnesota	876	57	9	21	27	16	13	15	20	6	11	10	17	3	18	7	8	12
25	Mississippi	478	33	10	5	12	6	9	14	5	7	6	2	9	4	17	7	4	8
26	Missouri	1,990	63	38	31	48	49	37	40	31	28	31	14	34	7	28	15	21	17
27	Montana	56	4	1	.....	1	1	4	.....	2	.....	.....	1	1	.....	.....	.....	1	2
28	Nebraska	698	29	12	16	13	14	10	13	16	7	9	3	11	1	10	5	6	13
29	Nevada	42	1	.....	1	.....	.....	.....	1	.....	.....	.....	.....	2	.....	.....	.....	3	1
30	New Hampshire	551	6	1	10	7	6	6	4	4	4	5	3	10	5	7	2	12	4
31	New Jersey	1,565	20	4	9	29	26	18	25	21	16	22	19	30	9	27	12	26	35
32	New Mexico	218	19	5	2	5	5	3	4	3	3	3	1	5	2	4	1	2	5
33	New York	6,195	127	37	66	125	107	81	112	69	66	72	36	108	25	92	31	71	101
34	North Carolina	722	98	20	16	16	11	13	15	8	7	9	2	18	7	12	3	7	13
35	North Dakota	121	6	.....	5	6	1	3	2	.....	1	6	.....	.....	.....	5	.....	1	2
36	Ohio	3,649	94	31	42	67	79	47	51	34	45	58	33	59	19	57	28	37	62
37	Oklahoma	118	11	3	4	1	3	1	.....	1	.....	1	1	1	1	4	1	2	2
38	Oregon	217	7	.....	3	6	5	4	2	5	4	3	.....	5	3	2	.....	1	6
39	Pennsylvania	4,444	161	41	66	92	82	66	73	67	62	66	35	83	24	75	26	41	91
40	Rhode Island	411	3	2	3	12	4	11	8	11	7	7	4	8	3	6	2	5	5
41	South Carolina	452	39	10	9	7	13	4	7	5	5	5	2	9	3	5	5	7	14
42	South Dakota	239	7	3	8	11	4	2	2	3	4	6	4	6	1	3	2	3	4
43	Tennessee	1,042	53	26	31	33	29	19	20	18	11	19	4	14	5	18	5	9	11
44	Texas	1,164	61	23	45	41	35	28	21	16	12	18	16	28	2	18	7	9	18
45	Utah	187	10	1	3	7	3	5	1	6	3	6	1	2	.....	4	2	2	2
46	Vermont	565	4	6	4	5	11	7	5	5	5	7	2	10	1	8	3	7	6
47	Virginia	1,033	68	9	18	17	17	15	18	11	19	15	13	25	4	21	9	11	22
48	Washington	206	12	5	2	8	8	.....	7	5	2	1	2	.....	.....	5	1	.....	3
49	West Virginia	587	40	11	12	21	19	19	12	10	9	9	8	10	1	15	7	6	10
50	Wisconsin	1,295	67	22	30	40	22	22	22	20	16	14	12	21	4	20	8	16	13
51	Wyoming	20	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	1

OCCURRED, BY STATES AND TERRITORIES: 1900—Continued.

PARTIALLY DEAF.

AGE WHEN DEAFNESS OCCURRED—continued.																			
Definitely stated—Continued.													Indefinitely stated.						Unknown.	
16	17	18	19	20 and under 30	30 and under 40	40 and under 50	50 and under 60	60 and under 70	70 and under 80	80 and under 90	90 and under 100	100 and over.	Present age, under 20	Infancy.	Childhood.	Youth.	Adult life.	Old age.		
622	461	833	425	7,073	6,894	4,970	3,600	3,539	2,682	887	69	8	314	144	854	47	1,111	1,063	2,272	1
12	4	14	2	86	75	66	50	50	27	10	2	1	9	4	15	.....	5	13	34	2
.....	.....	.....	.....	7	7	1	3	.....	1	.....	.....	1	.....	.....	1	.....	.....	.....	1	3
5	7	10	6	81	73	56	46	46	23	1	.....	.....	16	7	13	1	10	13	21	4
16	14	20	9	206	144	119	87	94	55	20	1	.....	8	3	16	5	25	24	60	5
3	4	3	2	56	39	30	11	14	13	4	.....	.....	2	.....	1	.....	5	2	12	6
12	10	21	10	128	124	86	80	74	65	31	1	.....	1	.....	20	1	36	17	56	7
3	1	2	1	26	28	23	13	10	9	.....	.....	.....	.....	.....	3	.....	6	3	3	8
5	4	2	2	43	29	25	17	13	13	3	.....	.....	.....	1	7	1	17	23	11	9
3	3	4	1	32	28	22	15	15	4	1	.....	.....	3	3	6	.....	7	6	9	10
11	7	18	9	125	121	102	51	45	37	6	1	1	9	4	16	1	10	15	30	11
4	1	2	.....	21	14	5	3	9	1	1	.....	.....	1	.....	1	.....	2	.....	6	12
33	34	61	27	546	481	340	217	244	181	53	4	.....	30	9	53	8	63	61	134	13
3	1	1	.....	10	21	17	4	5	.....	.....	.....	.....	2	4	.....	.....	1	1	2	14
24	13	32	22	326	267	220	154	112	66	51	1	1	13	3	24	2	29	42	64	15
23	19	20	22	258	257	183	129	129	82	30	.....	.....	4	3	16	2	35	20	46	16
14	7	23	6	190	184	129	94	83	52	15	2	.....	3	2	13	.....	17	17	43	17
23	8	17	13	163	147	105	84	104	71	14	2	1	17	2	16	1	18	17	75	18
15	7	9	7	115	80	60	45	45	24	7	3	1	3	3	9	6	19	13	25	19
9	10	10	7	127	137	74	70	76	39	18	2	.....	4	.....	11	.....	19	13	21	20
17	9	15	9	152	137	95	67	62	45	11	2	.....	4	1	20	.....	20	17	40	21
39	29	44	17	386	395	246	187	202	191	73	3	.....	15	3	49	3	81	78	122	22
20	28	33	19	316	294	222	127	135	101	41	1	.....	3	3	40	4	30	21	63	23
6	3	10	7	149	121	90	51	48	31	15	.....	.....	1	1	12	1	11	10	30	24
7	4	9	3	50	44	48	38	35	19	9	4	1	7	2	7	.....	8	7	18	25
28	12	34	18	317	277	189	146	138	105	23	.....	.....	10	6	29	.....	33	28	65	26
1	.....	1	3	9	7	5	6	3	1	.....	.....	.....	.....	.....	.....	.....	1	.....	1	27
12	7	16	7	117	98	47	48	49	28	15	2	.....	6	1	12	2	6	10	27	28
.....	.....	1	.....	7	3	2	4	7	5	.....	.....	.....	.....	.....	.....	.....	1	1	2	29
8	5	10	4	85	64	61	36	49	33	17	2	.....	.....	1	15	.....	15	19	31	30
15	18	30	14	252	218	158	121	98	72	37	5	.....	3	6	26	2	31	38	73	31
3	1	1	1	12	17	16	17	20	18	5	1	.....	3	.....	2	.....	6	10	13	32
73	45	90	54	872	821	601	459	476	395	125	5	.....	42	17	114	.....	222	136	322	33
10	5	7	3	81	76	53	48	42	37	12	1	.....	14	2	11	1	11	6	27	34
1	.....	1	3	18	20	10	7	3	6	.....	.....	.....	1	2	4	.....	.....	1	6	35
37	36	61	26	574	506	394	244	272	196	65	6	.....	16	3	53	.....	67	83	167	36
.....	.....	4	3	25	23	7	4	4	3	1	.....	.....	1	.....	1	.....	.....	.....	5	37
4	3	1	2	37	41	21	13	11	9	1	1	.....	.....	2	4	2	2	2	5	38
42	33	69	41	669	586	418	303	264	218	59	3	.....	16	10	72	2	112	96	280	39
8	2	4	2	72	47	31	40	24	23	9	2	.....	2	.....	7	.....	10	8	19	40
4	4	11	3	50	45	40	29	36	21	5	3	.....	7	1	9	.....	8	12	15	41
1	2	6	1	48	38	16	13	9	8	1	.....	.....	3	.....	4	.....	2	2	12	42
10	12	16	8	122	114	93	91	72	55	13	2	.....	10	5	25	.....	14	10	45	43
11	13	19	8	164	148	108	64	70	34	12	2	.....	5	16	23	2	15	19	33	44
3	3	4	.....	31	23	16	14	15	10	3	.....	.....	.....	1	1	.....	1	.....	4	45
8	7	5	4	85	72	61	51	50	51	14	2	.....	.....	.....	15	.....	20	11	13	46
14	11	22	3	127	127	107	67	52	58	17	2	1	8	7	15	.....	15	21	47	47
1	1	5	1	40	33	22	10	11	3	4	.....	.....	1	1	2	.....	4	2	4	48
10	3	11	5	85	64	38	33	32	24	4	.....	.....	5	1	14	.....	1	8	30	49
11	11	14	10	169	171	91	88	82	84	31	1	.....	6	4	21	.....	26	33	73	50
.....	.....	1	.....	6	8	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	51

TABLE 18.—THE DEAF, CLASSIFIED BY AGE AND PERIOD OF LIFE WHEN DEAFNESS OCCURRED AND PRESENT AGE: 1900.

THE DEAF.

PRESENT AGE.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.			AGE WHEN DEAFNESS OCCURRED.											
					Under 20.							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.
All ages	89,287	50,296	35,924	3,067	14,474	7,396	10,536	7,018	4,464	4,061	2,347	16,588	9,437	6,595	1,021	2,283
Not stated	327	175	99	53	69	13	27	23	10	18	15	40	26	17	4	12
Stated	88,960	50,121	35,825	3,014	14,405	7,383	10,509	6,995	4,454	4,043	2,332	16,548	9,411	6,578	1,017	2,271
Under 5	1,021	1,021	.....	.....	479	276	209	.....	.....	.....	57	.....	.....	.....	.....	.....
5 and under 10	4,551	4,551	.....	.....	1,885	1,175	958	292	.....	.....	241	.....	.....	.....	.....	.....
10 and under 15	6,710	6,710	.....	.....	2,652	1,418	1,450	618	151	.....	421	.....	.....	.....	.....	.....
15 and under 20	6,076	6,076	.....	.....	2,216	1,170	1,265	657	334	104	330	.....	.....	.....	.....	.....
20 and under 25	4,431	4,254	97	130	1,319	621	1,009	603	375	234	93	93	.....	.....	.....	4
25 and under 30	4,835	4,317	373	145	1,033	797	1,085	591	390	325	96	356	.....	.....	.....	17
30 and under 35	4,847	3,885	805	157	846	449	1,018	739	361	371	101	786	.....	.....	.....	19
35 and under 40	5,294	3,798	1,311	185	789	472	944	649	436	405	103	1,277	.....	.....	.....	34
40 and under 45	5,460	3,273	1,980	227	715	274	607	658	448	450	121	1,854	83	.....	.....	43
45 and under 50	5,396	2,760	2,413	223	591	209	490	480	471	406	113	1,953	400	.....	.....	60
50 and under 55	5,593	2,568	2,812	213	566	183	413	422	362	513	109	1,836	598	.....	.....	78
55 and under 60	5,703	1,965	3,515	223	403	125	344	322	242	425	104	2,191	1,204	.....	.....	120
60 and under 65	5,813	1,606	3,938	269	329	67	283	299	274	246	108	2,022	1,629	127	.....	160
65 and under 70	5,838	1,289	4,263	286	242	65	184	271	228	202	97	1,832	1,647	603	.....	181
70 and under 75	5,402	960	4,218	314	164	45	120	201	179	150	101	1,248	1,314	1,318	.....	338
75 and under 80	5,003	616	4,092	295	100	29	75	117	107	116	72	698	1,192	1,825	.....	377
80 and under 85	3,785	313	3,269	203	48	5	36	55	63	60	46	280	675	1,710	197	407
85 and under 90	2,044	115	1,831	98	19	3	11	16	25	26	15	96	279	742	437	277
90 and under 95	743	36	673	34	6	.....	8	4	7	8	3	21	72	202	262	116
95 and under 100	179	8	162	9	3	.....	.....	1	1	2	1	5	14	39	79	25
100 and over	76	.....	73	3	.....	.....	.....	.....	.....	.....	.....	.....	4	12	42	15
Under 10	5,572	5,572	.....	.....	2,364	1,451	1,167	292	.....	.....	298	.....	.....	.....	.....	.....
10 and under 20	12,786	12,786	.....	.....	4,868	2,588	2,715	1,275	485	104	751	.....	.....	.....	.....	.....
20 and under 30	9,316	8,571	470	275	2,352	1,418	2,094	1,194	765	559	189	449	.....	.....	.....	21
30 and under 40	10,141	7,683	2,116	342	1,635	921	1,962	1,388	797	776	204	2,063	.....	.....	.....	53
40 and under 50	10,876	6,033	4,393	450	1,306	483	1,097	1,138	919	856	234	3,807	483	.....	.....	103
50 and under 60	11,296	4,533	6,327	436	969	308	757	744	604	938	213	4,027	2,102	.....	.....	198
60 and under 70	11,651	2,895	8,201	555	571	132	467	570	502	448	205	3,854	3,276	730	.....	341
70 and under 80	10,495	1,576	8,310	609	264	74	195	318	286	266	173	1,946	2,506	3,143	.....	715
80 and under 90	5,829	428	5,100	301	67	8	47	71	88	86	61	376	954	2,452	694	684
90 and under 100	922	44	835	43	9	.....	8	5	8	10	4	26	86	241	341	141
100 and over	76	.....	73	3	.....	.....	.....	.....	.....	.....	.....	.....	4	12	42	15

TOTALLY DEAF.

All ages	37,426	33,148	3,483	795	12,609	5,998	7,545	3,718	1,425	865	988	2,021	867	374	57	164
Not stated	167	122	12	33	62	11	21	12	3	3	10	5	2	1	1	3
Stated	37,259	33,026	3,471	762	12,547	5,987	7,524	3,706	1,422	862	978	2,016	865	373	56	161
Under 5	879	879	.....	.....	446	228	172	.....	.....	.....	33	.....	.....	.....	.....	.....
5 and under 10	3,549	3,549	.....	.....	1,674	939	632	166	.....	.....	138	.....	.....	.....	.....	.....
10 and under 15	5,049	5,049	.....	.....	2,281	1,119	999	342	70	.....	238	.....	.....	.....	.....	.....
15 and under 20	4,510	4,510	.....	.....	1,937	918	920	372	122	50	182	.....	.....	.....	.....	.....
20 and under 25	3,157	3,058	26	73	1,128	521	773	371	142	68	55	26	.....	.....	.....	.....
25 and under 30	3,194	3,049	67	78	888	697	839	347	145	82	51	65	.....	.....	.....	2
30 and under 35	2,902	2,720	109	73	749	382	831	495	142	83	38	106	.....	.....	.....	3
35 and under 40	2,772	2,547	153	72	696	401	761	395	175	83	36	150	.....	.....	.....	3
40 and under 45	2,201	1,922	208	71	648	221	428	367	141	83	34	192	13	.....	.....	3
45 and under 50	1,836	1,539	238	59	516	172	336	241	148	91	35	183	51	.....	.....	4
50 and under 55	1,658	1,284	322	52	492	144	259	174	89	93	33	216	95	.....	.....	11
55 and under 60	1,384	970	366	48	343	100	221	150	66	71	19	249	110	.....	.....	7
60 and under 65	1,229	741	431	57	278	49	156	107	66	50	35	268	136	8	.....	19
65 and under 70	961	519	393	49	198	44	83	89	45	44	16	224	122	38	.....	9
70 and under 75	742	341	352	49	136	30	48	48	39	28	12	149	110	71	.....	22
75 and under 80	553	205	315	33	81	17	34	23	22	18	10	110	95	88	.....	22
80 and under 85	396	94	276	26	37	2	14	13	8	12	8	54	82	105	5	30
85 and under 90	184	33	137	14	12	3	4	6	.....	5	3	18	42	39	27	11
90 and under 95	74	13	55	6	5	.....	5	.....	1	1	1	6	8	19	15	7
95 and under 100	18	4	13	1	2	.....	.....	.....	1	.....	1	.....	1	3	5	4
100 and over	11	.....	10	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	4	4
Under 10	4,428	4,428	.....	.....	2,120	1,167	804	166	.....	.....	171	.....	.....	.....	.....	.....
10 and under 20	9,559	9,559	.....	.....	4,218	2,037	1,928	714	192	50	420	.....	.....	.....	.....	.....
20 and under 30	6,351	6,107	93	151	2,016	1,218	1,612	718	287	150	106	91	.....	.....	.....	2
30 and under 40	5,674	5,267	262	145	1,445	783	1,592	890	317	166	74	256	.....	.....	.....	6
40 and under 50	4,037	3,461	446	130	1,164	393	764	608	289	174	69	375	64	.....	.....	7
50 and under 60	3,042	2,254	688	100	835	244	480	324	155	164	52	465	205	.....	.....	18
60 and under 70	2,190	1,260	824	106	476	93	239	196	111	94	51	492	258	46	.....	28
70 and under 80	1,295	546	667	82	217	47	82	71	61	46	22	259	205	159	.....	44
80 and under 90	580	127	413	40	49	5	18	19	8	17	11	72	124	144	32	41
90 and under 100	92	17	68	7	7	.....	5	.....	2	1	2	6	9	22	20	11
100 and over	11	.....	10	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	4	4

TABLE 18.—THE DEAF, CLASSIFIED BY AGE AND PERIOD OF LIFE WHEN DEAFNESS OCCURRED AND PRESENT AGE: 1900—Continued.

PARTIALLY DEAF.

PRESENT AGE.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.			AGE WHEN DEAFNESS OCCURRED.											
					Under 20.							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.
All ages	51,861	17,148	32,441	2,272	1,865	1,398	2,991	3,300	3,039	3,196	1,359	14,567	8,570	6,221	964	2,119
Not stated	160	53	87	20	7	2	6	11	7	15	5	35	24	16	3	9
Stated	51,701	17,095	32,354	2,252	1,858	1,396	2,985	3,289	3,032	3,181	1,354	14,532	8,546	6,205	961	2,110
Under 5	142	142			33	48	37				24					
5 and under 10	1,002	1,002			211	236	326	126			103					
10 and under 15	1,661	1,661			371	299	451	276	81		183					
15 and under 20	1,566	1,566			279	252	336	285	212	54	148					
20 and under 25	1,324	1,196	71	57	191	100	236	232	233	166	38	67				4
25 and under 30	1,641	1,268	306	67	145	100	246	244	245	243	45	291				15
30 and under 35	1,945	1,165	696	84	97	67	187	244	219	288	63	680				16
35 and under 40	2,522	1,251	1,158	113	93	71	183	254	261	322	67	1,127				31
40 and under 45	3,279	1,351	1,772	156	67	53	179	291	307	367	87	1,662	70			40
45 and under 50	3,560	1,221	2,175	164	75	37	154	239	323	315	78	1,770	349			56
50 and under 55	3,935	1,284	2,490	161	74	39	154	248	273	420	76	1,620	803			67
55 and under 60	4,319	995	3,149	175	60	25	123	172	176	354	85	1,942	1,094			113
60 and under 65	4,584	865	3,507	212	51	18	127	192	208	196	73	1,754	1,493	119		141
65 and under 70	4,877	770	3,870	237	44	21	101	182	183	158	81	1,608	1,525	565		172
70 and under 75	4,750	619	3,866	265	28	15	72	153	140	122	89	1,099	1,204	1,247		316
75 and under 80	4,450	411	3,777	262	19	12	41	94	85	98	62	588	1,097	1,737		355
80 and under 85	3,389	210	2,903	177	11	3	22	42	55	48	38	226	593	1,005	192	377
85 and under 90	1,860	82	1,694	84	7		7	10	25	21	12	78	237	703	410	266
90 and under 95	669	23	618	28	1		3	4	6	7	2	15	64	183	247	109
95 and under 100	161	4	149	8	1			1		2		5	13	36	74	21
100 and over	65		63	2									4	10	38	11
Under 10	1,144	1,144			244	284	363	126			127					
10 and under 20	3,227	3,227			650	551	787	561	293	54	331					
20 and under 30	2,965	2,464						476	478	409	83	358				19
30 and under 40	4,467	2,416						498	480	610	130	1,807				47
40 and under 50	6,839	2,572						530	630	682	165	3,432	419			96
50 and under 60	8,254	2,279						420	449	774	161	3,562	1,897			180
60 and under 70	9,461	1,635						374	391	354	154	3,362	3,018	684		313
70 and under 80	9,200	1,030						247	225	220	151	1,687	2,301	2,984		671
80 and under 90	5,249	301						52	80	69	50	304	830	2,308	602	643
90 and under 100	830	27						5	6	9	2	20	77	219	321	130
100 and over	65												4	10	38	11

TABLE 19.—THE TOTALLY DEAF, CLASSIFIED BY AGE AND PERIOD OF LIFE WHEN DEAFNESS OCCURRED, PRESENT AGE, AND ABILITY TO SPEAK: 1900.

PRESENT AGE, AND ABILITY TO SPEAK.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.			AGE WHEN DEAFNESS OCCURRED.											
					Under 20.							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.
All ages	37,426	33,148	3,483	795	12,699	5,998	7,545	3,718	1,425	865	988	2,021	867	374	57	164
Under 5	879	879			446	228	172				33					
Speak well	5	5			4	1										
Imperfectly	57	57			23	14	18				2					
Not at all	817	817			419	213	154				31					
5 and under 10	3,549	3,549			1,674	939	632	166			138					
Speak well	275	275			92	46	54	71			12					
Imperfectly	748	748			297	182	172	62			35					
Not at all	2,526	2,526			1,285	711	406	33			91					
10 and under 15	5,049	5,049			2,281	1,119	999	342	70		238					
Speak well	597	597			171	96	116	149	42		23					
Imperfectly	1,347	1,347			528	320	312	113	17		57					
Not at all	3,105	3,105			1,582	703	571	80	11		158					
15 and under 20	4,510	4,510			1,937	918	929	372	122	50	182					
Speak well	607	607			122	59	100	172	92	42	20					
Imperfectly	960	960			335	207	253	105	19	2	59					
Not at all	2,943	2,943			1,480	652	576	95	11	6	123					
20 and under 25	3,157	3,058	26	73	1,128	521	773	371	142	68	55	26				
Speak well	484	464	17	3	38	28	84	146	103	60	5	17				
Imperfectly	517	502	4	11	117	87	157	100	25	7	9	4				
Not at all	2,156	2,092	5	59	973	406	532	125	14	1	41	5				
25 and under 30	3,194	3,049	67	78	888	697	839	347	145	82	51	65				2
Speak well	448	377	57	14	22	25	49	113	92	71	5	56				1
Imperfectly	430	420	4	6	71	94	128	78	30	9	10	4				
Not at all	2,316	2,252	6	58	795	578	662	156	23	2	36	5				1
30 and under 35	2,902	2,720	109	73	749	382	831	495	142	83	38	106				3
Speak well	517	416	94	7	6	7	60	166	106	69	2	91				3
Imperfectly	417	398	8	11	46	49	138	126	20	9	10	8				
Not at all	1,968	1,906	7	55	697	326	633	203	16	5	26	7				
35 and under 40	2,772	2,547	153	72	696	401	761	395	175	83	36	150				3
Speak well	574	421	135	18	9	9	31	170	135	66	1	132				3
Imperfectly	295	276	11	8	36	42	82	75	27	10	4	11				
Not at all	1,903	1,850	7	46	651	350	648	150	13	7	31	7				
40 and under 45	2,201	1,922	208	71	648	221	428	367	141	83	34	192	13			3
Speak well	524	321	190	13	7	2	17	120	101	68	6	175	13			2
Imperfectly	249	235	6	8	30	20	54	97	21	8	5	5				1
Not at all	1,428	1,366	12	50	611	199	357	150	19	7	23	12				
45 and under 50	1,836	1,539	238	59	516	172	336	241	148	91	35	83	51			4
Speak well	519	279	223	17	2	2	18	75	95	84	3	177	43			3
Imperfectly	209	193	9	7	29	20	43	58	35	4	4	5	4			
Not at all	1,108	1,067	6	35	485	150	275	108	18	3	28	1	4			1
50 and under 55	1,658	1,284	322	52	492	144	259	174	89	93	33	216	95			11
Speak well	520	206	295	19	3		15	46	57	79	6	202	84			9
Imperfectly	181	160	15	6	23	14	41	48	17	10	7	10	4			1
Not at all	957	918	12	27	466	130	203	80	15	4	20	4	7			1
55 and under 60	1,384	970	366	48	343	100	221	150	66	71	19	249	110			7
Speak well	516	161	335	20	7	3	13	42	40	55	1	226	104			5
Imperfectly	136	110	19	7	6	7	31	36	15	11	4	13	4			2
Not at all	732	699	12	21	330	90	177	72	11	5	14	10	2			
60 and under 65	1,229	741	431	57	278	49	156	107	66	50	35	268	136	8		19
Speak well	566	146	399	21	1	1	12	28	49	43	12	248	125	8		18
Imperfectly	116	86	23	7	14	5	23	28	10	1	5	15	7			1
Not at all	547	509	9	29	263	43	121	51	7	6	18	5	4			
65 and under 70	961	519	393	49	198	44	83	89	45	44	16	224	122	38		9
Speak well	514	117	368	29		1	4	32	34	40	6	205	118	36		9
Imperfectly	87	63	16	8	9	4	17	24	5	4		13	2	1		
Not at all	360	339	9	12	189	39	62	33	6		10	6	2	1		
70 and under 75	742	341	352	49	136	30	48	48	39	28	12	149	110	71		22
Speak well	441	84	327	30	3		1	18	29	27	6	143	104	63		17
Imperfectly	59	39	15	5	8	2	11	10	6		2	5	5	3		2
Not at all	242	218	10	14	125	28	36	20	4	1	4	1	1	5		3
75 and under 80	553	205	315	33	81	17	34	23	22	18	10	110	95	88		22
Speak well	362	47	294	21	2	1	3	10	16	15		101	93	81		19
Imperfectly	40	25	11	4	5	2	5	5	2	2	4	4	1	4		2
Not at all	151	133	10	8	74	14	26	8	4	1	6	5	1	3		1
80 and under 85	396	94	276	26	37	2	14	13	8	12	8	54	82	105	5	30
Speak well	308	33	259	16	2		1	8	7	11	4	52	74	100	4	29
Imperfectly	24	12	9	3	4		1	4	1		2	1	5	3		
Not at all	64	49	8	7	31	2	12	1		1	2	1	3	2	1	1
85 and under 90	184	33	137	14	12	3	4	6		5	3	18	42	39	27	11
Speak well	147	9	128	10	1			3		4	1	17	40	35	25	11
Imperfectly	12	3	7	2			1			1	1	1	2	3	1	
Not at all	25	21	2	2	11	3	3	3			1			1	1	

TABLE 19.—THE TOTALLY DEAF, CLASSIFIED BY AGE AND PERIOD OF LIFE WHEN DEAFNESS OCCURRED, PRESENT AGE, AND ABILITY TO SPEAK: 1900—Continued.

PRESENT AGE, AND ABILITY TO SPEAK.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.			AGE WHEN DEAFNESS OCCURRED.											
					Under 20.							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	After birth, under 2	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated
90 and under 95	74	13	55	6	5		5		1	1	1	6	8	19	15	7
Speak well	57	4	51	2			2		1	1		6	8	17	14	6
Imperfectly	4		3	1										1	1	1
Not at all	13	9	1	3	5		3				1			1		
95 and under 100	18	4	13	1	2				1		1		1	3	5	4
Speak well	15	2	12	1					1		1		1	3	5	3
Imperfectly	1		1													1
Not at all	2	2			2											
100 and over	11		10	1										2	4	4
			10	1										2	4	4
Unknown	167	122	12	33	62	11	21	12	3	3	10	5	2	1	1	3
	20	7	9	4				4	1	1	1	4	1	1	1	2
	28	23		5	8	3	2	6	1	1	2					
	119	92	3	24	54	8	19	2	1	1	7	1	1			1
All ages: Speak well	8,027	4,578	3,203	246	492	281	580	1,373	1,001	736	115	1,852	808	346	53	144
Under 5	5	5			4	1										
5 and under 10	275	275			92	46	54	71			12					
10 and under 15	597	597			171	96	116	149	42		23					
15 and under 20	607	607			122	59	100	172	92	42	20					
20 and under 25	484	464	17	3	38	28	84	146	103	60	5	17				
25 and under 30	448	377	57	14	22	25	49	113	92	71	5	56				1
30 and under 35	517	416	94	7	6	7	60	166	106	69	2	91				3
35 and under 40	574	421	135	18	9	9	31	170	135	66	1	132				3
40 and under 45	524	321	190	13	7	2	17	120	101	68	6	175	13			2
45 and under 50	519	279	223	17	2	2	18	75	95	84	3	177	43			3
50 and under 55	520	206	295	19	3		15	46	57	79	6	202	84			9
55 and under 60	516	161	335	20	7	3	13	42	40	55	1	226	104			5
60 and under 65	566	146	399	21	1	1	12	28	49	43	12	248	125	8		18
65 and under 70	514	117	368	29		1	4	32	34	40	6	205	118	36		9
70 and under 75	441	84	327	30	3		1	18	29	27	6	143	104	63		17
75 and under 80	362	47	294	21	2	1	3	10	16	15		101	93	81		19
80 and under 85	308	33	259	16	2		1	8	7	11	4	52	74	100	4	29
85 and under 90	147	9	128	10	1			3		4	1	17	40	35	25	11
90 and under 95	57	4	51	2			2		1	1		6	8	17	14	6
95 and under 100	15	2	12	1					1		1		1	3	5	3
100 and over	11		10	1										2	4	4
Unknown	20	7	9	4				4	1	1	1	4	1	1	1	2
All ages: Imperfectly	5,917	5,657	161	99	1,589	1,072	1,489	975	251	79	202	99	34	15	2	11
Under 5	57	57			23	14	18				2					
5 and under 10	748	748			297	182	172	62			35					
10 and under 15	1,347	1,347			528	320	312	113	17		57					
15 and under 20	960	960			335	207	253	105	19	2	39					
20 and under 25	517	502	4	11	117	87	157	100	25	7	9	4				
25 and under 30	430	420	4	6	71	94	128	78	30	9	10	4				
30 and under 35	417	398	8	11	46	49	138	126	20	9	10	8				
35 and under 40	295	276	11	8	36	42	82	75	27	10	4	11				
40 and under 45	249	235	6	8	30	20	54	97	21	8	5	5				1
45 and under 50	209	193	9	7	29	20	43	58	35	4	4	5	4			
50 and under 55	181	160	15	6	23	14	41	48	17	10	7	10	4			1
55 and under 60	136	110	19	7	6	7	31	36	15	11	4	13	4			2
60 and under 65	116	86	23	7	14	5	23	28	10	1	5	15	7			1
65 and under 70	87	63	16	8	9	4	17	24	5	4		13	2	1		
70 and under 75	59	39	15	5	8	2	11	10	6		2	5	5	3		2
75 and under 80	40	25	11	4	5	2	5	5	2	2	4	4	1	4		2
80 and under 85	24	12	9	3	4		1	4	1		2	1	5	3		
85 and under 90	12	3	7	2			1			1	1	1	2	3	1	
90 and under 95	4		3	1										1	1	1
95 and under 100	1		1													1
100 and over																
Unknown	28	23		5	8	3	2	6	1	1	2					
All ages: Not at all	23,482	22,013	119	450	10,528	4,645	5,476	1,370	173	50	671	70	25	13	2	9
Under 5	817	817			419	213	154				31					
5 and under 10	2,520	2,520			1,285	711	406	33			91					
10 and under 15	3,105	3,105			1,582	703	571	80	11		158					
15 and under 20	2,043	2,043			1,480	652	576	95	11	6	123					
20 and under 25	2,156	2,092	5	59	973	406	522	125	14	1	41	5				
25 and under 30	2,316	2,252	6	58	795	578	662	156	23	2	36	5				1
30 and under 35	1,968	1,906	7	55	697	326	633	203	16	5	26	7				
35 and under 40	1,903	1,850	7	46	651	350	648	150	13	7	31	7				
40 and under 45	1,428	1,366	12	50	611	199	357	150	19	7	23	12				
45 and under 50	1,108	1,067	6	35	485	150	275	108	18	3	28	1	4			1
50 and under 55	957	918	12	27	406	130	203	80	15	4	20	4	7			1
55 and under 60	732	699	12	21	330	90	177	72	11	5	14	10	2			
60 and under 65	547	509	9	29	203	43	121	51	7	6	18	5	4			
65 and under 70	360	339	9	12	189	39	62	33	6		10	6	2	1		
70 and under 75	242	218	10	14	125	28	36	20	4	1	4	1	1	5		3
75 and under 80	151	133	10	8	74	14	26	8	4	1	6	5	1	3		1
80 and under 85	64	49	8	7	31	2	12	1		1	2	1	3	2	1	1
85 and under 90	25	21	2	2	11	3	3	3			1			1	1	
90 and under 95	13	9	1	3	5		3				1			1		
95 and under 100	2	2			2											
						8	19	2	1	1	7	1	1			1

TABLE 20.—THE PARTIALLY DEAF, CLASSIFIED BY AGE AND PERIOD OF LIFE WHEN DEAFNESS OCCURRED, PRESENT AGE, AND ABILITY TO SPEAK: 1900.

PRESENT AGE, AND ABILITY TO SPEAK.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.			AGE WHEN DEAFNESS OCCURRED.											
					Under 20.							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.
All ages	51,861	17,148	32,441	2,272	1,865	1,398	2,991	3,300	3,039	3,196	1,359	14,567	8,570	6,221	964	2,119
Under 5	149	149			33	48	37				24					
Speak well						1	16				8					
Imperfectly						7	15				11					
Not at all						7	6				5					
5 and under 10						5	326	126			103					
Speak well						5	201	107			48					
Imperfectly						0	100	15			40					
Not at all						2	25	4			15					
10 and under 15	1,661	1,661			271	200	451	276	91		183					
Speak well	950	950														
Imperfectly	563	563														
Not at all	148	148			50	50	24	3	1		20					
15 and under 20	1,566	1,566			270	250	226	225	219	54	142					
Speak well	978	978														
Imperfectly	473	473														
Not at all	115	115														
20 and under 25	1,324	1,196	71	57	191	100	236	232	233	166	38	67				4
Speak well	947	838	69	40	55	42	156	193	213	156	23	65				4
Imperfectly	292	280	2	10	103	42	64	32	19	7	13	2				
Not at all	85	78		7	33	16	16	7	1	3	2					
25 and under 30	1,641	1,268	306	67	145	100	246	244	245	243	45	291				15
Speak well	1,294	949	299	46	51	48	149	202	232	237	30	285				14
Imperfectly	274	254	7	13	71	40	76	39	12	6	10	6				1
Not at all	73	65		8	23	12	21	3	1		5					
30 and under 35	1,945	1,165	696	84	97	67	187	244	219	288	63	680				16
Speak well	1,682	936	677	69	34	31	124	213	204	278	52	662				15
Imperfectly	209	182	17	10	50	28	50	27	15	8	4	16				1
Not at all	54	47	2	5	13	8	13	4		2	7	2				
35 and under 40	2,522	1,251	1,158	113	93	71	183	254	261	322	67	1,127				31
Speak well	2,291	1,051	1,145	95	34	37	127	227	248	316	62	1,118				27
Imperfectly	177	156	11	10	43	26	46	22	11	4	4	7				4
Not at all	54	44	2	8	16	8	10	5	2	2	1	2				
40 and under 45	3,279	1,351	1,772	156	67	53	179	291	307	367	87	1,662	70			40
Speak well	3,084	1,206	1,740	138	29	37	136	269	297	362	76	1,637	66			37
Imperfectly	156	116	27	13	27	11	36	18	9	5	10	21	3			3
Not at all	39	29	5	5	11	5	7	4	1		1	4	1			
45 and under 50	3,560	1,221	2,175	164	75	37	154	230	323	315	78	1,770	340			56
Speak well	3,389	1,093	2,149	147	39	21	121	222	312	309	69	1,749	345			55
Imperfectly	148	109	25	14	30	13	27	14	11	5	9	20	4			1
Not at all	23	19	1	3	6	3	6	3		1		1				
50 and under 55	3,935	1,284	2,490	161	74	39	154	248	273	420	76	1,620	803			67
Speak well	3,761	1,163	2,454	144	42	24	122	232	265	412	66	1,601	789			64
Imperfectly	148	100	33	15	25	12	28	15	5	6	9	19	12			2
Not at all	26	21	3	2	7	3	4	1	3	2	1		2			1
55 and under 60	4,319	995	3,149	175	60	25	123	172	176	354	85	1,942	1,094			113
Speak well	4,178	909	3,105	164	31	22	102	163	171	347	73	1,916	1,078			111
Imperfectly	125	77	38	10	25	3	17	9	5	6	12	22	14			2
Not at all	16	9	6	1	4		4			1		4	2			
60 and under 65	4,584	865	3,507	212	51	18	127	192	208	196	73	1,754	1,493	119		141
Speak well	4,453	807	3,456	190	33	16	113	181	201	192	71	1,737	1,473	114		132
Imperfectly	114	51	45	18	16	1	13	9	6	4	2	16	18	3		8
Not at all	17	7	6	4	2	1	1	2	1			1	2	2		1
65 and under 70	4,877	770	3,870	237	44	21	101	182	183	158	81	1,608	1,525	565		172
Speak well	4,751	724	3,800	227	31	21	86	176	178	158	74	1,581	1,495	553		171
Imperfectly	101	39	56	6	10		14	5	5		5	23	25	8		
Not at all	25	7	14	4	3		1	1			2	4	5	4		1
70 and under 75	4,750	619	3,866	265	28	15	72	153	140	122	89	1,099	1,204	1,247		316
Speak well	4,646	587	3,805	254	20	14	66	146	137	117	87	1,080	1,186	1,227		312
Imperfectly	94	28	56	10	7	1	6	6	3	4	1	19	15	18		4
Not at all	10	4	5	1	1			1		1	1		3	2		
75 and under 80	4,450	411	3,777	262	19	12	41	94	85	98	62	588	1,097	1,737		355
Speak well	4,361	389	3,723	249	11	11	39	89	84	98	57	585	1,083	1,702		353
Imperfectly	77	19	49	9	5	1	2	5	1		5	3	14	31		1
Not at all	12	3	5	4	3									4		1
80 and under 85	3,389	219	2,993	177	11	3	22	42	55	48	38	220	593	1,605	192	377
Speak well	3,315	207	2,941	167	9	2	20	40	54	48	34	220	584	1,577	187	373
Imperfectly	66	10	47	9	2	1	1	2	1		3	6	9	25	4	3
Not at all	8	2	5	1			1				1			3	1	1

TABLE 20.—THE PARTIALLY DEAF, CLASSIFIED BY AGE AND PERIOD OF LIFE WHEN DEAFNESS OCCURRED, PRESENT AGE, AND ABILITY TO SPEAK: 1900—Continued.

PRESENT AGE, AND ABILITY TO SPEAK.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.			AGE WHEN DEAFNESS OCCURRED.											
					Under 20.							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.
85 and under 90	1,860	82	1,694	84	7	.....	7	10	25	21	12	78	237	703	410	266
Speak well	1,823	78	1,665	80	6	.....	7	9	25	21	10	75	232	693	404	261
Imperfectly	35	4	27	4	1	.....	.....	1	.....	.....	2	2	5	10	5	5
Not at all	2	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1	.....
90 and under 95	669	23	618	28	1	.....	3	4	6	7	2	15	64	183	247	109
Speak well	659	23	608	28	1	.....	3	4	6	7	2	14	63	180	243	108
Imperfectly	7	.....	7	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	2	3	1
Not at all	3	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	1	.....
95 and under 100	161	4	149	8	1	.....	.....	1	.....	2	.....	5	13	36	74	21
											.....	5	12	35	72	21
											.....	.....	1	1	2	.....
											.....	.....	.....	.....	.....	.....
10											.....	.....	4	10	38	11
											.....	.....	4	10	36	9
											.....	.....	.....	.....	2	2
											.....	.....	.....	.....	.....	.....
U											5	35	24	16	3	9
											4	33	23	16	3	9
											1	1	1	.....	.....	.....
											.....	1	.....	.....	.....	.....
A											1,022	14,363	8,433	6,107	945	2,076
											8	.....	.....	.....	.....	.....
											48	.....	.....	.....	.....	.....
											95	.....	.....	.....	.....	.....
											81	.....	.....	.....	.....	.....
											23	65	.....	.....	.....	4
											30	285	.....	.....	.....	14
											52	662	.....	.....	.....	15
											62	1,118	.....	.....	.....	27
											76	1,637	66	.....	.....	37
											69	1,749	345	.....	.....	55
											66	1,601	789	.....	.....	64
											73	1,916	1,078	.....	.....	111
											71	1,737	1,473	114	.....	132
											74	1,581	1,495	553	.....	171
											87	1,080	1,186	1,227	.....	312
											57	585	1,083	1,702	.....	353
											34	220	584	1,577	187	373
											10	75	232	693	404	261
											2	14	63	180	243	108
											.....	5	12	35	72	21
											.....	.....	4	10	36	9
											4	33	23	16	3	9
A											266	184	121	98	16	38
											11	.....	.....	.....	.....	.....
											40	.....	.....	.....	.....	.....
											68	.....	.....	.....	.....	.....
											57	.....	.....	.....	.....	.....
											13	2	.....	.....	.....	.....
											10	6	.....	.....	.....	1
											4	16	.....	.....	.....	1
											4	7	.....	.....	.....	4
											10	21	3	.....	.....	3
											9	20	4	.....	.....	1
											9	19	12	.....	.....	2
											12	22	14	.....	.....	2
											2	16	18	3	.....	8
											5	23	25	8	.....	.....
											1	19	15	18	.....	4
											5	3	14	31	.....	1
											3	6	9	25	4	3
											2	2	5	10	5	5
											.....	1	.....	2	3	1
											.....	.....	1	1	2	.....
											.....	.....	.....	.....	2	2
											1	1	1	.....	.....	.....
											71	20	16	16	3	5
											5	.....	.....	.....	.....	.....
											15	.....	.....	.....	.....	.....
											20	.....	.....	.....	.....	.....
											10	.....	.....	.....	.....	.....
											2	.....	.....	.....	.....	.....
											5	.....	.....	.....	.....	.....
											7	2	.....	.....	.....	.....
											1	2	.....	.....	.....	.....
											1	4	1	.....	.....	.....
											.....	1	.....	.....	.....	.....
											1	.....	2	.....	.....	1
											.....	4	2	.....	.....	.....
											.....	1	2	2	.....	1
											2	4	5	4	.....	1
											1	.....	3	2	.....	.....
											.....	.....	.....	4	.....	1
											1	.....	.....	3	1	1
											.....	1	.....	.....	1	.....
											.....	.....	1	1	1	.....
											.....	.....	.....	.....	.....	.....
											.....	.....	.....	.....	.....	.....
											.....	1	.....	.....	.....	.....

TABLE 21.—THE TOTALLY DEAF, CLASSIFIED BY AGE AND PERIOD OF LIFE WHEN DEAFNESS OCCURRED AND PRESENT AGE, BY STATES AND TERRITORIES: 1900.

STATE OR TERRITORY, AND PRESENT AGE.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.			AGE WHEN DEAFNESS OCCURRED.											
					Under 20.							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.
Continental United States: All ages	37,426	33,148	3,483	795	12,609	5,993	7,555	3,718	1,425	865	988	2,021	867	374	57	164
Under 20	13,987	13,987			6,338	3,234	2,752	880	192	50	591					
20 and over	23,272	19,639	3,471	762	6,269	2,783	2,792	2,826	1,230	812	387	2,016	865	373	56	161
Unknown	167	122	12	33	62	11	21	12	3	3	10	5	2	1	1	3
Alabama: All ages	409	366	37	6	314	71	83	52	22	16	11	20	10	4	1	2
Under 20	237	237			136	43	35	11	3	2	7					
20 and over	172	129	37	6	178	28	45	41	19	14	4	20	10	4	1	2
Unknown																
Arizona: All ages	25	20	4	1	5	6	5	3	1				2	1		1
Under 20	9	9			4	3	2									
20 and over	15	11	4		1	3	3	3	1				2	1		1
Unknown	1			1												
Arkansas: All ages	664	623	33	8	285	87	127	69	23	11	21	21	8	2	1	1
Under 20	320	320			171	53	62	16	2		16					
20 and over	327	287	33	7	103	34	63	52	20	11	4	21	8	2	1	1
Unknown	17	16		1	11		2	1	1		1					
California: All ages	591	499	82	10	183	95	120	55	25	15	6	46	21	11	1	3
Under 20	238	238			114	53	46	15	4	2	4					
20 and over	351	259	82	10	69	42	72	40	21	13	2	46	21	11	1	3
Unknown	2	2					2									
Colorado: All ages	176	152	19	5	42	40	37	12	10	4	7	12	5	1	1	
Under 20	85	85			23	32	18	3	3	2	4					
20 and over	90	67	18	5	19	8	19	9	7	2	3	11	5	1	1	
Unknown	1		1									1				
Connecticut: All ages	526	440	67	19	161	68	115	59	16	12	9	34	19	7	2	5
Under 20	175	175			78	32	44	17			4					
20 and over	349	265	67	17	83	36	71	42	16	12	5	34	19	7	2	5
Unknown	2			2												
Delaware: All ages	79	64	11	4	32	7	11	8	4	1	1	5	4	1		1
Under 20	21	21			12	3	3	1	1		1					
20 and over	57	42	11	4	20	4	7	7	3	1		5	4	1		1
Unknown	1	1					1									
District of Columbia: All ages	212	189	19	4	41	27	43	40	14	6	18	10	1	2		6
Under 20	64	64			12	11	9	15	1		16					
20 and over	147	125	19	3	29	16	34	25	13	6	2	10	1	2		6
Unknown	1			1												
Florida: All ages	169	156	12	1	79	23	23	16	9	5	1	6	3	3		
Under 20	77	77			47	15	11	1	1	2						
20 and over	91	78	12	1	31	8	12	15	8	3	1	6	3	3		
Unknown	1	1			1											
Georgia: All ages	846	781	51	14	430	91	109	75	33	19	24	30	14	6		1
Under 20	362	362			230	55	46	15	3		13					
20 and over	476	411	51	14	198	35	60	58	30	19	11	30	14	6		1
Unknown	8	8			2	1	3	2								
Idaho: All ages	51	46	4	1	12	13	12	4	2	2	1	3	1			
Under 20	25	25			7	9	7	1			1					
20 and over	26	21	4	1	5	4	5	3	2	2		3	1			
Unknown																
Illinois: All ages	2,564	2,279	228	57	627	528	606	279	97	68	74	137	47	35	2	7
Under 20	947	947			323	270	218	70	13	4	49					
20 and over	1,604	1,325	228	51	302	258	385	208	84	64	24	137	47	35	2	7
Unknown	13	7		6	2		3	1			1					
Indian Territory: All ages	94	88	5	1	28	24	21	9	4	2		2	3			
Under 20	43	43			12	13	11	4	2	1						
20 and over	51	45	5	1	16	11	10	5	2	1		2	3			
Unknown																
Indiana: All ages	1,638	1,487	122	29	413	366	390	163	72	47	36	74	25	19	2	2
Under 20	506	506			194	157	102	25	11		17					
20 and over	1,126	976	121	29	217	209	287	138	61	47	17	74	25	19	1	2
Unknown	6	5	1		2		1				2				1	
Iowa: All ages	1,200	1,048	124	28	297	215	290	139	40	25	42	78	25	16	4	1
Under 20	376	376			136	110	82	17	3		28					
20 and over	823	671	124	28	161	104	208	122	37	25	14	78	25	16	4	1
Unknown	1	1				1										
Kansas: All ages	925	835	71	19	249	204	212	95	32	16	27	31	28	10		2
Under 20	349	349			131	103	61	21	12	1	20					
20 and over	576	486	71	19	118	101	151	74	20	15	7	31	28	10		2
Unknown																

TABLE 21.—THE TOTALLY DEAF, CLASSIFIED BY AGE AND PERIOD OF LIFE WHEN DEAFNESS OCCURRED AND PRESENT AGE, BY STATES AND TERRITORIES: 1900—Continued.

STATE OR TERRITORY, AND PRESENT AGE.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.			AGE WHEN DEAFNESS OCCURRED.											
					Under 20.							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.
Kentucky:																
All ages	1,257	1,158	86	13	545	190	205	110	54	24	30	43	19	12	6	6
Under 20	517	517			251	110	99	31	5		21					
20 and over	732	634	85	13	288	80	105	79	49	24	9	43	19	12	6	5
Unknown	8	7	1		6		1									1
Louisiana:																
All ages	527	484	32	11	312	44	54	40	16	6	12	14	11	3	2	2
Under 20	250	250			172	30	32	11	1		4					
20 and over	273	231	32	10	139	13	22	28	15	6	8	14	11	3	2	2
Unknown	4	3		1	1	1		1								
Maine:																
All ages	456	392	58	6	172	62	69	42	20	13	14	36	14	5		3
Under 20	110	110			62	22	12	6	3		5					
20 and over	344	280	58	6	108	40	57	36	17	13	9	36	14	5		3
Unknown	2	2			2											
Maryland:																
All ages	613	532	68	13	259	53	111	54	24	15	16	40	20	5		3
Under 20	190	190			113	19	43	5	3		7					
20 and over	420	341	67	12	145	34	68	49	21	15	9	40	19	5		3
Unknown	3	1	1	1	1								1			
Massachusetts:																
All ages	1,283	1,070	177	36	383	198	244	124	56	38	27	99	44	15	2	17
Under 20	374	374			148	90	88	30	9	3	6					
20 and over	906	693	177	36	233	108	156	93	47	35	21	99	44	15	2	17
Unknown	3	3			2			1								
Michigan:																
All ages	1,337	1,178	137	22	337	239	331	155	54	39	23	83	42	8	3	1
Under 20	438	438			169	125	90	34	7	1	12					
20 and over	897	738	137	22	168	114	240	121	47	38	10	83	42	8	3	1
Unknown	2	2					1				1					
Minnesota:																
All ages	862	774	68	20	268	192	171	88	28	16	11	48	8	10	1	1
Under 20	351	351			154	115	53	16	5		8					
20 and over	511	423	68	20	114	77	118	72	23	16	3	48	8	10	1	1
Unknown																
Mississippi:																
All ages	512	463	38	11	245	61	63	40	19	10	25	22	9	7		
Under 20	233	233			136	35	28	14	2	1	17					
20 and over	278	230	38	10	109	26	35	26	17	9	8	22	9	7		
Unknown	1			1												
Missouri:																
All ages	1,776	1,633	111	32	515	343	413	203	72	37	50	64	29	12		6
Under 20	665	665			224	172	165	62	11	3	28					
20 and over	1,095	957	111	27	287	169	247	141	61	34	18	64	29	12		6
Unknown	16	11		5	4	2	1				4					
Montana:																
All ages	70	64	5	1	12	19	17	8	3	4	1	2	2	1		
Under 20	40	40			9	15	10	4	1		1					
20 and over	30	24	5	1	3	4	7	4	2	4		2	2	1		
Unknown																
Nebraska:																
All ages	522	460	55	7	132	92	134	49	15	6	32	23	19	7	2	4
Under 20	203	203			71	51	46	12			23					
20 and over	315	254	54	7	61	39	88	37	15	5	9	23	19	7	2	3
Unknown	4	3	1			2				1						1
Nevada:																
All ages	19	10	6	3	4	1	1	2			2	5		1		
Under 20	6	6			1		1	2			2					
20 and over	13	4	6	3	3	1						5		1		
Unknown																
New Hampshire:																
All ages	211	166	39	6	51	23	65	10	9	3	5	24	9	4		2
Under 20	30	30			9	4	14	1		1	1					
20 and over	181	136	39	6	42	19	51	9	9	2	4	24	9	4		2
Unknown																
New Jersey:																
All ages	720	604	93	23	209	83	130	112	34	20	16	54	30	7		2
Under 20	220	220			96	42	45	24	2		11					
20 and over	497	381	93	23	111	41	85	87	32	20	5	54	30	7		2
Unknown	3	3			2			1								
New Mexico:																
All ages	85	65	19	1	43	1	12	6	1	1	1	7	4	5		3
Under 20	34	34			23		6	2	1	1	1					
20 and over	51	31	19	1	20	1	6	4				7	4	5		3
Unknown																
New York:																
All ages	3,751	3,250	387	114	1,051	571	876	428	132	82	110	215	90	43	6	33
Under 20	1,381	1,381			526	323	344	112	13	1	62					
20 and over	2,360	1,865	387	108	523	246	532	316	119	81	48	215	90	43	6	33
Unknown	10	4		6	2	2										
North Carolina:																
All ages	920	869	42	9	548	98	107	48	20	23	25	26	10	5		1
Under 20	475	475			308	71	50	16	6	4	20					
20 and over	431	380	42	9	231	27	55	31	14	18	4	26	10	5		1
Unknown	14	14			9		2	1		1	1					

TABLE 21.—THE TOTALLY DEAF, CLASSIFIED BY AGE AND PERIOD OF LIFE WHEN DEAFNESS OCCURRED AND PRESENT AGE, BY STATES AND TERRITORIES: 1900—Continued.

STATE OR TERRITORY, AND PRESENT AGE.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.			AGE WHEN DEAFNESS OCCURRED.											
					Under 20.							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.
North Dakota:																
All ages	135	126	5	4	42	29	37	12	6			4		1		
Under 20	73	73			28	19	20	4	2							
20 and over	60	51	5	4	12	10	17	8	4			4		1		
Unknown	2	2			2											
Ohio:																
All ages	2,431	2,040	337	54	696	367	552	219	87	63	56	206	76	35	4	16
Under 20	751	751			334	169	162	44	13	3	26					
20 and over	1,673	1,284	335	54	358	198	390	174	74	60	30	206	75	34	4	16
Unknown	7	5	2		4			1					1	1		
Oklahoma:																
All ages	164	152	10	2	40	43	39	17	5	1	7	7	2			1
Under 20	91	91			30	32	20	4	1		4					
20 and over	73	61	10	2	10	11	19	13	4	1	3	7	2			1
Unknown																
Oregon:																
All ages	193	178	13	2	45	49	47	24	5	4	4	5	6	2		
Under 20	69	69			14	29	16	5	1	1	3					
20 and over	123	108	13	2	30	20	31	19	4	3	1	5	6	2		
Unknown	1	1			1											
Pennsylvania:																
All ages	3,103	2,666	341	96	950	427	657	355	127	84	66	211	78	25	7	20
Under 20	933	933			433	188	189	84	11	3	25					
20 and over	2,165	1,731	341	93	517	238	467	271	116	81	41	211	78	25	7	20
Unknown	5	2		3		1	1									
Rhode Island:																
All ages	172	148	19	5	53	19	33	23	9	5	6	13	4		2	
Under 20	58	58			23	10	13	7			5					
20 and over	113	89	19	5	30	9	20	15	9	5	1	13	4		2	
Unknown	1	1						1								
South Carolina:																
All ages	500	467	26	7	294	47	49	35	22	14	6	14	9	1		2
Under 20	238	238			176	28	18	7	2	3	4					
20 and over	261	228	26	7	118	19	31	28	19	11	2	14	9	1		2
Unknown	1	1							1							
South Dakota:																
All ages	191	171	19	1	45	31	46	25	7	4	13	11	6	2		
Under 20	71	71			22	15	16	4		1	13					
20 and over	119	99	19	1	23	16	29	21	7	3		11	6	2		
Unknown	1	1					1									
Tennessee:																
All ages	984	920	52	12	501	129	150	63	26	16	35	31	12	7		2
Under 20	504	504			294	87	76	17	3	1	26					
20 and over	475	411	52	12	203	42	74	45	23	15	9	31	12	7		2
Unknown	5	5			4			1								
Texas:																
All ages	1,152	1,064	81	7	486	244	174	74	35	17	34	47	22	8	2	2
Under 20	637	637			314	165	101	24	6	2	25					
20 and over	512	426	80	6	172	78	73	50	29	15	9	47	22	8	2	1
Unknown	3	1	1	1		1										1
Utah:																
All ages	156	145	10	1	44	39	42	9	2	7	2	6	2	1	1	
Under 20	66	66			19	25	18	2		1	1					
20 and over	90	79	10	1	25	14	24	7	2	6	1	6	2	1	1	
Unknown																
Vermont:																
All ages	158	103	50	5	25	19	25	12	11	10	1	26	16	7		1
Under 20	20	20			7	5	5	2	1							
20 and over	136	82	49	5	17	14	20	10	10	10	1	25	16	7		1
Unknown	2	1	1		1							1				
Virginia:																
All ages	880	801	59	20	459	95	108	56	41	20	22	30	8	9	1	2
Under 20	380	380			223	68	57	12	8		12					
20 and over	490	414	57	19	234	27	49	43	32	19	10	37	8	9	1	2
Unknown	10	7	2	1	2		2	1	1	1		2				
Washington:																
All ages	168	149	16	3	36	32	32	22	13	9	5	9	6		1	
Under 20	64	64			18	20	10	6	6	2	2					
20 and over	104	85	16	3	18	12	22	16	7	7	3	9	6		1	
Unknown																
West Virginia:																
All ages	559	519	29	11	207	105	105	60	23	8	11	18	9	1		1
Under 20	249	249			105	67	48	16	6		7					
20 and over	307	270	28	9	102	38	57	44	17	8	4	17	9	1		1
Unknown	3		1	2								1				
Wisconsin:																
All ages	1,181	1,045	106	30	400	187	241	114	44	17	42	60	35	7	3	1
Under 20	426	426			195	91	77	27	3	4	29					
20 and over	753	618	106	29	204	96	164	87	41	13	13	60	35	7	3	1
Unknown	2	1		1	1											
Wyoming:																
All ages	9	9			2	1	4	1	1							
Under 20	6	6			1		3	1	1							
20 and over	3	3			1	1	1									
Unknown																

TABLE 22.—THE PARTIALLY DEAF, CLASSIFIED BY AGE AND PERIOD OF LIFE WHEN DEAFNESS OCCURRED AND PRESENT AGE, BY STATES AND TERRITORIES: 1900.

STATE OR TERRITORY, AND PRESENT AGE.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.			AGE WHEN DEAFNESS OCCURRED.											
					Under 20.							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.
Continental United States:																
All ages	51,861	17,148	32,441	2,272	1,865	1,398	2,991	3,300	3,039	3,196	1,359	14,567	8,570	6,221	964	2,119
Under 20	4,371	4,371			894	835	1,150	687	293	54	458					
20 and over	47,330	12,724	32,354	2,252	964	561	1,835	2,602	2,739	3,127	896	14,532	8,546	6,205	961	2,110
Unknown	160	53	87	20	7	2	6	11	7	15	5	35	24	16	3	9
Alabama:																
All ages	724	300	390	34	56	24	51	55	47	39	28	161	116	77	13	23
Under 20	112	112			31	16	36	11	5		13					
20 and over	606	187	386	33	25	8	15	44	42	38	15	159	115	76	13	23
Unknown	6	1	4	1						1		2	1	1		
Arizona:																
All ages	26	5	20	1			2		1	1	1	14	4	1	1	
Under 20	2	2					1		1							
20 and over	23	3	20				1			1	1	14	4	1	1	
Unknown	1			1												
Arkansas:																
All ages	653	283	349	21	43	32	63	45	29	34	37	154	102	69	1	23
Under 20	133	133			16	25	45	19	7		21					
20 and over	517	148	348	21	25	7	18	26	22	34	16	153	102	69	1	23
Unknown	3	2	1		2							1				
California:																
All ages	1,158	314	775	69	22	18	42	70	60	70	32	350	206	149	21	49
Under 20	57	57			7	8	18	10	3	1	10					
20 and over	1,096	255	772	69	15	10	24	59	57	68	22	348	205	149	21	49
Unknown	5	2	3					1		1		2	1			
Colorado:																
All ages	296	110	174	12	10	19	18	20	19	21	3	95	41	27	4	7
Under 20	38	38			3	15	8	6	4		2					
20 and over	257	71	174	12	7	4	10	14	14	21	1	95	41	27	4	7
Unknown	1	1							1							
Connecticut:																
All ages	988	290	642	56	29	12	46	54	54	73	22	252	166	139	32	53
Under 20	43	43			15	7	11	8	1		1					
20 and over	944	247	641	56	14	5	35	46	53	73	21	251	166	139	32	53
Unknown	1		1									1				
Delaware:																
All ages	176	55	118	3	4	4	8	12	12	12	3	54	36	19		9
[illegible]	7	7			1	2	2	1	1							
[illegible]	167	47	117	3	3	2	6	11	11	11	3	54	36	18		9
[illegible]	2	1	1							1				1		
[illegible]																
All ages	295	91	193	11	10	4	13	18	21	16	9	72	42	31	3	45
Under 20	10	10			3		3	1	1	1	1					
20 and over	283	80	192	11	7	4	10	16	20	15	8	72	42	31	3	44
Unknown	2	1	1					1								1
Florida:																
All ages	213	74	130	9	9	9	6	15	9	14	12	60	37	19	1	13
Under 20	21	21			6	6	1	2		1	5					
20 and over	191	53	129	9	3	3	5	13	9	13	7	60	37	18	1	13
Unknown	1		1											1		
Georgia:																
All ages	971	418	514	39	72	37	57	79	78	65	30	246	153	82	8	25
Under 20	165	165			40	24	38	40	9	1	13					
20 and over	800	248	514	38	30	13	19	38	68	64	16	246	153	82	8	25
Unknown	6	5		1	2			1	1		1					
Idaho:																
All ages	95	33	56	6	5		8	5	3	10	2	35	8	10	1	2
Under 20	13	13			3		4	3	1	1	1					
20 and over	81	20	55	6	2		4	2	2	9	1	34	8	10	1	2
Unknown	1		1									1				
Illinois:																
All ages	3,489	1,160	2,195	134	79	94	225	234	205	223	100	1,027	557	425	57	129
Under 20	291	291			38	62	85	49	16	4	37					
20 and over	3,190	868	2,190	132	41	32	139	185	189	219	63	1,025	555	425	57	128
Unknown	8	1	5	2			1					2	2			1
Indian Territory:																
All ages	134	73	59	2	15	17	10	9	8	8	6	31	21	5		2
Under 20	31	31			9	9	2	4	2	1	4					
20 and over	101	41	58	2	6	8	7	5	6	7	2	31	20	5		2
Unknown	2	1	1				1						1			
Indiana:																
All ages	1,969	606	1,299	64	34	65	119	113	115	118	42	593	374	208	53	71
Under 20	138	138			17	31	39	25	11		15					
20 and over	1,825	464	1,297	64	16	34	80	88	104	115	27	593	372	208	53	71
Unknown	6	4	2		1					3			2			
Iowa:																
All ages	1,752	574	1,132	46	39	63	89	106	128	124	25	515	312	211	30	64
Under 20	109	109			17	33	25	14	11	2	7					
20 and over	1,635	461	1,128	46	22	29	62	92	116	122	18	513	311	210	30	64
Unknown	8	4	4			1	2		1			2	1	1		
Kansas:																
All ages	1,171	345	783	43	31	19	72	65	69	71	18	374	223	135	17	34
Under 20	69	69			10	6	22	18	8		5					
20 and over	1,098	274	781	43	21	13	50	46	61	70	13	372	223	135	17	34
Unknown	4	2	2					1		1		2				

TABLE 22.—THE PARTIALLY DEAF, CLASSIFIED BY AGE AND PERIOD OF LIFE WHEN DEAFNESS OCCURRED AND PRESENT AGE, BY STATES AND TERRITORIES: 1900—Continued.

STATE OR TERRITORY, AND PRESENT AGE.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.			AGE WHEN DEAFNESS OCCURRED.											
					Under 20.							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.
Kentucky:																
All ages	1,362	561	726	75	85	50	117	100	97	76	36	310	189	175	17	35
Under 20	203	203			36	31	63	27	22	5	1					
20 and over	1,148	356	717	75	49	19	54	71	75	71	17	307	186	173	17	34
Unknown	11	2	9					2				3	3	2		1
Louisiana:																
All ages	684	247	412	25	51	19	30	33	27	51	21	195	105	69	11	32
Under 20	78	78			31	11	14	12	4	2	4					
20 and over	604	169	410	25	20	8	16	26	33	49	17	195	104	69	10	32
Unknown	2		2										1		1	
Maine:																
All ages	801	205	575	21	14	13	44	33	33	43	15	264	144	115	20	32
Under 20	34	34			7	9	8	4	2		4					
20 and over	766	171	574	21	7	4	36	34	36	43	11	263	144	115	20	32
Unknown	1		1									1				
Maryland:																
All ages	966	318	608	40	32	13	46	70	64	62	31	289	162	107	13	37
Under 20	65	65			16	7	13	15	6		8					
20 and over	900	253	607	40	16	6	33	55	58	62	23	289	161	107	13	37
Unknown	1		1										1			
Massachusetts:																
All ages	2,732	768	1,842	122	49	28	114	162	160	185	70	781	433	393	76	159
Under 20	98	98			19	14	28	12	7		18					
20 and over	2,625	669	1,837	119	29	14	86	150	153	185	52	780	432	391	76	158
Unknown	9	1	5	3	1							1	1	2		1
Michigan:																
All ages	2,065	705	1,297	63	76	66	131	114	137	131	50	610	349	236	42	60
Under 20	184	184			41	40	56	22	15	2	8					
20 and over	1,875	518	1,295	62	35	25	75	91	122	129	41	610	348	235	42	60
Unknown	6	3	2	1		1		1			1		1	1		
Minnesota:																
All ages	876	311	526	39	57	30	56	62	53	38	15	270	141	79	15	21
Under 20	93	93			25	17	20	19	8	1	3					
20 and over	783	218	526	39	32	13	36	43	45	37	12	270	141	79	15	21
Unknown																
Mississippi:																
All ages	478	197	263	18	33	15	27	34	41	31	16	94	86	54	14	15
Under 20	73	73			18	7	15	15	6	2	10					
20 and over	399	123	259	17	15	8	12	19	34	29	6	93	85	52	14	15
Unknown	6	1	4	1					1			1	1	2		
Missouri:																
All ages	1,990	669	1,256	65	63	69	134	144	105	109	45	594	335	243	23	61
Under 20	184	184			27	40	52	30	10	4	21					
20 and over	1,802	485	1,252	65	36	29	82	114	95	105	24	594	332	242	23	61
Unknown	4		4										3	1		
Montana:																
All ages	56	23	32	1	4	1	6	3	2	7		16	11	4		1
Under 20	8	8			3	1	3	1								
20 and over	48	15	32	1	1		3	2	2	7		16	11	4		1
Unknown																
Nebraska:																
All ages	698	251	420	27	29	28	37	48	33	55	21	215	95	77	17	16
Under 20	75	75			18	17	11	14	4		11					
20 and over	622	176	419	27	11	11	26	34	29	55	10	214	95	77	17	16
Unknown	1		1									1				
Nevada:																
All ages	42	10	30	2	1	1		1	5	2		10	6	12		2
Under 20	3	3				1			2							
20 and over	39	7	30	2	1			1	3	2		10	6	12		2
Unknown																
New Hampshire:																
All ages	551	139	381	31	6	11	19	20	36	31	16	149	97	82	19	34
Under 20	7	7			1		1	2	2		1					
20 and over	543	132	380	31	5	11	18	18	34	31	15	148	97	82	19	34
Unknown	1		1									1				
New Jersey:																
All ages	1,565	462	1,030	73	20	13	73	103	104	112	37	470	279	170	42	69
Under 20	56	56			10	5	14	16	7	1	3					
20 and over	1,509	406	1,030	73	10	8	59	87	97	111	34	470	279	170	42	69
Unknown																
New Mexico:																
All ages	218	83	122	13	19	7	13	14	14	11	5	29	33	38	6	16
Under 20	40	40			11	5	9	7	5		3					
20 and over	176	41	122	13	8	2	4	7	8	10	2	29	33	38	6	16
Unknown	2	2							1	1						
New York:																
All ages	6,195	1,761	4,112	322	127	103	313	355	327	363	173	1,693	1,060	871	130	358
Under 20	332	332			55	41	95	54	23	5	59					
20 and over	5,845	1,426	4,104	315	72	62	218	300	304	357	113	1,689	1,058	870	129	358
Unknown	18	3	8	7				1		1	1	4	2	1	1	
North Carolina:																
All ages	722	328	367	27	98	36	40	41	47	38	28	157	101	79	13	17
Under 20	151	151			55	30	27	10	11	4	14					
20 and over	569	176	366	27	43	6	13	31	36	32	14	156	101	79	13	17
Unknown	2	1	1							1		1				

TABLE 22.—THE PARTIALLY DEAF, CLASSIFIED BY AGE AND PERIOD OF LIFE WHEN DEAFNESS OCCURRED AND PRESENT AGE, BY STATES AND TERRITORIES: 1900—Continued.

STATE OR TERRITORY, AND PRESENT AGE.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.			AGE WHEN DEAFNESS OCCURRED.											
					Under 20.							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.
North Dakota:																
All ages	121	50	65	6	6	5	10	9	6	7	7	33	17	9		1
Under 20	15	15			3	3	4	1	2		2					
20 and over	104	34	64	6	2	2	6	8	4	7	5	37	17	9		1
Unknown	2	1	1		1							1				
Ohio:																
All ages	3,649	1,075	2,407	167	94	73	193	221	200	222	72	1,080	638	468	71	150
Under 20	200	200			38	36	53	33	16	2	22					
20 and over	3,443	871	2,405	167	56	37	139	186	184	220	49	1,078	638	468	71	150
Unknown	6	4	2				1	2			1	2				
Oklahoma:																
All ages	118	46	67	5	11	7	5	3	9	9	2	43	11	7	1	
Under 20	19	19			9	6		1	2		1					
20 and over	99	27	67	5	2	1	5	2	7	9	1	43	11	7	1	
Unknown																
Oregon:																
All ages	217	74	138	5	7	3	15	14	11	16	8	73	34	20	2	4
Under 20	17	17			5	2	5	2		1	2					
20 and over	198	57	137	4	2	1	10	12	11	15	6	73	34	20	1	4
Unknown	2		1	1											1	
Pennsylvania:																
All ages	4,444	1,436	2,728	280	161	107	240	303	249	276	100	1,255	721	482	62	208
Under 20	319	319			78	68	83	51	17	1	21					
20 and over	4,110	1,111	2,720	279	83	39	156	252	232	271	78	1,252	719	482	62	205
Unknown	15		8	1			1			4	1	3	2			3
Rhode Island:																
All ages	411	126	266	19	3	5	27	37	24	21	9	119	71	47	11	18
Under 20	25	25			2	4	10	7			2					
20 and over	385	100	266	19	1	1	17	30	23	21	7	119	71	47	11	18
Unknown	1	1							1							
South Carolina:																
All ages	452	188	249	15	39	19	24	24	29	36	17	95	69	57	8	20
Under 20	64	64			22	13	11	8		1	9					
20 and over	387	124	248	15	17	6	13	16	29	35	8	95	69	56	8	20
Unknown	1		1											1		
South Dakota:																
All ages	239	90	137	12	7	11	17	19	15	14	7	86	29	17	1	4
Under 20	29	29			3	7	9	4	1	1	4					
20 and over	210	61	137	12	4	4	8	15	14	13	3	86	29	17	1	4
Unknown																
Tennessee:																
All ages	1,042	411	586	45	53	57	81	72	51	57	40	236	184	127	15	24
Under 20	160	160			27	46	39	19	5	3	21					
20 and over	880	251	584	45	26	11	42	53	46	54	19	235	184	126	15	24
Unknown	2		2									1		1		
Texas:																
All ages	1,164	495	636	33	61	68	104	83	64	69	46	312	172	104	14	34
Under 20	201	201			32	51	64	27	8	3	16					
20 and over	961	293	635	33	29	17	40	55	56	66	30	312	172	103	14	34
Unknown	2	1	1					1						1		
Utah:																
All ages	187	70	113	4	10	4	15	17	10	12	2	54	30	25	3	1
Under 20	24	24			5	3	7	8	1							
20 and over	163	46	113	4	5	1	8	9	9	12	2	54	30	25	3	1
Unknown																
Vermont:																
All ages	565	135	417	13	4	10	23	24	29	30	15	157	112	101	16	31
Under 20	7	7			1	2	2		1		1					
20 and over	557	128	416	13	3	8	21	24	28	30	14	157	112	101	16	30
Unknown	1		1													1
Virginia:																
All ages	1,033	392	594	47	68	27	49	76	70	72	30	254	174	110	20	36
Under 20	109	109			27	19	23	17	12		11					
20 and over	920	281	592	47	41	8	26	59	57	71	19	253	173	110	20	36
Unknown	4	2	2						1	1		1	1			
Washington:																
All ages	206	73	129	4	12	7	16	17	6	11	4	73	32	14	4	6
Under 20	30	30			6	5	9	3	4	1	2					
20 and over	176	43	129	4	6	2	7	14	2	10	2	73	32	14	4	6
Unknown																
West Virginia:																
All ages	587	268	289	30	40	23	59	48	39	30	20	149	71	56	4	9
Under 20	97	97			14	17	31	21	3	2	9					
20 and over	488	171	288	29	26	6	28	27	36	37	11	148	71	56	4	9
Unknown	2		1	1								1				
Wisconsin:																
All ages	1,295	446	776	73	67	52	84	84	69	59	31	340	179	166	32	59
Under 20	132	132			33	33	31	14	6	1	14					
20 and over	1,162	314	775	73	34	19	53	70	63	58	17	340	179	166	32	58
Unknown	1		1													1
Wyoming:																
All ages	20	4	16					2		2		14	2			
Under 20																
20 and over																
Unknown	20	4	16					2		2		14	2			

TABLE 23.—THE DEAF, CLASSIFIED BY DEGREE OF DEAFNESS, PERIOD OF LIFE WHEN DEAFNESS OCCURRED, COLOR, NATIVITY, SEX, AND PRESENT AGE: 1900.

COLOR, NATIVITY, SEX, AND PRESENT AGE.	Aggregate.	DEGREE OF DEAFNESS AND PERIOD OF LIFE WHEN DEAFNESS OCCURRED.								
		Total.			Totally deaf.			Partially deaf.		
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Childhood (under 20).	Adult life (20 and over).	Unknown.	Childhood (under 20).	Adult life (20 and over).	Unknown.
All ages	89,287	50,296	35,924	3,067	33,148	3,483	795	17,148	32,441	2,272
White	84,361	46,807	34,655	2,899	30,567	3,293	730	16,240	31,362	2,169
Males	44,223	24,674	18,069	1,480	16,407	1,864	363	8,207	16,205	1,117
Females	40,138	22,133	16,586	1,419	14,160	1,429	367	8,033	15,157	1,052
Native	69,865	41,155	26,612	2,098	27,055	2,498	501	14,100	24,114	1,597
Males	36,338	21,665	13,604	1,069	14,552	1,399	248	7,113	12,205	821
Females	33,527	19,490	13,008	1,029	12,503	1,099	253	6,987	11,909	776
Foreign born	13,786	5,108	7,963	715	3,067	782	165	2,041	7,181	550
Males	7,506	2,704	4,427	375	1,669	459	87	1,035	3,968	288
Females	6,280	2,404	3,536	340	1,398	323	78	1,006	3,213	262
Unknown	710	544	80	86	445	13	64	99	67	22
Males	379	305	38	36	246	6	28	59	32	8
Females	331	239	42	50	199	7	36	40	35	14
Colored	4,926	3,489	1,269	168	2,581	190	65	908	1,079	103
Males	2,692	1,869	728	95	1,382	102	40	487	626	55
Females	2,234	1,620	541	73	1,199	88	25	421	453	48
Under 20	18,358	18,358			13,987			4,371		
White	16,702	16,702			12,742			3,960		
Males	9,098	9,098			6,889			2,209		
Females	7,604	7,604			5,853			1,751		
Native	15,507	15,507			11,790			3,717		
Males	8,450	8,450			6,375			2,075		
Females	7,057	7,057			5,415			1,642		
Foreign born	835	835			659			176		
Males	452	452			357			95		
Females	383	383			302			81		
Unknown	360	360			293			67		
Males	196	196			157			39		
Females	164	164			136			28		
Colored	1,656	1,656			1,245			411		
Males	899	899			666			233		
Females	757	757			579			178		
20 and over	70,602	31,763	35,825	3,014	19,039	3,471	762	12,724	32,354	2,252
White	67,297	29,975	34,568	2,854	17,741	3,285	703	12,234	31,283	2,151
Males	34,988	15,506	18,016	1,466	9,533	1,856	353	5,973	16,160	1,113
Females	32,409	14,469	16,552	1,388	8,208	1,429	350	6,261	15,123	1,038
Native	54,183	25,550	26,553	2,080	15,205	2,492	492	10,345	24,061	1,588
Males	27,803	13,166	13,572	1,065	8,148	1,393	245	5,018	12,179	820
Females	26,380	12,384	12,981	1,015	7,057	1,099	247	5,327	11,882	768
Foreign born	12,910	4,260	7,943	707	2,401	781	162	1,859	7,162	545
Males	7,027	2,244	4,412	371	1,308	458	85	936	3,954	286
Females	5,883	2,016	3,531	336	1,093	323	77	923	3,208	259
Unknown	204	165	72	67	135	12	49	30	60	18
Males	158	96	32	30	77	5	23	19	27	7
Females	146	69	40	37	58	7	26	11	33	11
Colored	3,205	1,788	1,257	160	1,298	186	59	490	1,071	101
Males	1,756	946	721	89	697	99	36	249	622	53
Females	1,449	842	536	71	601	87	23	241	449	48
Age unknown	327	175	99	53	122	12	33	53	87	20
White	262	130	87	45	84	8	27	46	79	18
Males	137	70	53	14	45	8	10	25	45	4
Females	125	60	34	31	39		17	21	34	14
Native	175	98	59	18	60	6	9	38	53	9
Males	85	49	32	4	29	6	3	20	26	1
Females	90	49	27	14	31		6	18	27	8
Foreign born	41	13	20	8	7	1	3	6	10	5
Males	27	8	15	4	4	1	2	4	14	2
Females	14	5	5	4	3		1	2	5	3
Unknown	46	19	8	19	17	1	15	2	7	4
Males	25	13	6	6	12	1	5	1	5	1
Females	21	6	2	13	5		10	1	2	3
Colored	65	45	12	8	38	4	6	7	8	2
Males	37	24	7	6	19	3	4	5	4	2
Females	28	21	5	2	19	1	2	2	4	

TABLE 24.—THE DEAF, CLASSIFIED BY ABILITY TO SPEAK, AGE WHEN DEAFNESS OCCURRED, COLOR, NATIVITY, SEX, AND PRESENT AGE: 1900.

TOTALLY DEAF.

COLOR, NATIVITY, SEX, AND PRESENT AGE.	Total.	ABILITY TO SPEAK.			AGE WHEN DEAFNESS OCCURRED.												
					Under 20.							20 and over.					Unknown.
		Well.	Imperfectly.	Not at all.	Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1,425	865	988	2,021	867	374	57	164	795
White	[illegible]	7,077	5,081	21,252	11,146	5,827	7,203	3,433	1,267	781	910	1,919	826	354	49	145	730
Males	18,694	3,967	2,940	11,787	5,849	3,272	3,932	1,815	667	455	477	1,087	475	201	21	80	363
Females	15,896	3,710	2,741	9,445	5,297	2,555	3,271	1,618	600	326	433	832	351	153	28	65	367
Native	30,054	6,335	4,905	18,814	9,946	5,319	6,288	2,919	1,098	668	817	1,522	627	221	31	97	501
Males	16,199	3,243	2,500	10,456	5,215	2,971	3,427	1,541	591	386	421	858	357	118	15	51	248
Females	13,855	3,092	2,405	8,358	4,731	2,348	2,861	1,378	507	282	396	664	270	103	16	46	253
Foreign born	4,014	1,276	683	2,055	992	434	820	486	164	107	64	390	199	131	17	45	165
Males	2,215	693	385	1,137	526	251	451	261	75	65	40	225	118	82	6	28	87
Females	1,799	583	298	918	466	183	369	225	89	42	24	165	81	49	11	17	78
Unknown	522	66	93	363	208	74	95	28	5	6	29	7	.....	2	1	3	64
Males	280	31	55	194	108	50	54	13	1	4	16	4	.....	1	.....	1	28
Females	242	35	38	169	100	24	41	15	4	2	13	3	.....	1	1	2	36
Colored	2,836	350	236	2,250	1,463	171	342	285	158	84	78	102	41	20	8	19	65
Males	1,524	196	121	1,207	786	100	174	139	82	58	43	47	28	13	5	9	40
Females	1,312	154	115	1,043	677	71	168	146	76	26	35	55	13	7	3	10	25
Under 20	13,987	1,484	3,112	9,391	6,338	3,204	2,732	880	192	50	591	.....	.....	.....	.....	.....	.....
White	12,742	1,440	3,021	8,281	5,533	3,089	2,572	802	172	39	535	.....	.....	.....	.....	.....	.....
Males	6,889	671	1,556	4,662	2,874	1,721	1,460	437	95	24	278	.....	.....	.....	.....	.....	.....
Females	5,853	769	1,465	3,619	2,659	1,368	1,112	365	77	15	257	.....	.....	.....	.....	.....	.....
Native	11,790	1,306	2,713	7,771	5,140	2,889	2,352	728	163	32	486	.....	.....	.....	.....	.....	.....
Males	6,375	612	1,390	4,373	2,674	1,603	1,336	402	91	20	249	.....	.....	.....	.....	.....	.....
Females	5,415	694	1,323	3,398	2,466	1,286	1,016	326	72	12	237	.....	.....	.....	.....	.....	.....
Foreign born	659	93	236	330	253	148	157	60	9	6	26	.....	.....	.....	.....	.....	.....
Males	357	39	126	192	134	84	88	28	4	3	16	.....	.....	.....	.....	.....	.....
Females	302	54	110	138	119	64	69	32	5	3	10	.....	.....	.....	.....	.....	.....
Unknown	293	41	72	180	140	52	63	14	.....	1	23	.....	.....	.....	.....	.....	.....
Males	157	20	40	97	66	34	36	7	.....	1	13	.....	.....	.....	.....	.....	.....
Females	136	21	32	83	74	18	27	7	.....	.....	10	.....	.....	.....	.....	.....	.....
Colored	1,245	44	91	1,110	805	115	160	78	20	11	56	.....	.....	.....	.....	.....	.....
Males	666	25	47	594	430	64	82	46	5	11	28	.....	.....	.....	.....	.....	.....
Females	579	19	44	516	375	51	78	32	15	.....	28	.....	.....	.....	.....	.....	.....
20 and over	23,272	6,523	2,777	13,972	6,209	2,783	4,792	2,826	1,230	812	387	2,016	865	373	56	161	762
White	21,720	6,220	2,641	12,868	5,571	2,728	4,617	2,624	1,094	740	367	1,915	826	353	48	143	703
Males	11,742	3,284	1,378	7,080	2,956	1,546	2,462	1,374	571	430	194	1,083	475	200	20	78	353
Females	9,987	2,936	1,263	5,788	2,615	1,182	2,155	1,250	523	310	173	832	351	153	28	65	350
Native	18,189	5,018	2,179	10,992	4,777	2,423	3,923	2,187	934	634	327	1,519	627	220	30	96	492
Males	9,786	2,622	1,107	6,057	2,530	1,366	2,082	1,137	499	365	169	855	357	117	14	50	245
Females	8,403	2,396	1,072	4,935	2,247	1,057	1,841	1,050	435	269	158	664	270	103	16	46	247
Foreign born	3,344	1,181	445	1,718	737	285	662	425	155	101	36	390	199	131	17	44	162
Males	1,851	653	258	940	392	166	362	232	71	62	23	225	118	82	6	27	85
Females	1,493	528	187	778	345	119	300	193	84	39	13	165	81	49	11	17	77
Unknown	196	21	17	158	57	20	32	12	5	5	4	6	.....	2	1	3	49
Males	105	9	13	83	34	14	18	5	1	3	2	3	.....	1	.....	1	23
Females	91	12	4	75	23	6	14	7	4	2	2	3	.....	1	1	2	26
Colored	1,543	303	136	1,104	638	55	175	202	136	72	20	101	39	20	8	18	59
Males	832	169	71	592	344	36	89	93	75	46	14	47	26	13	5	8	36
Females	711	134	65	512	294	19	86	109	61	26	6	54	13	7	3	10	23
Age not stated	167	20	28	119	62	11	21	12	3	3	10	5	2	1	1	3	33
White	119	17	19	83	42	10	14	7	1	2	8	4	.....	1	1	2	27
Males	63	12	6	45	19	5	10	4	1	1	5	4	.....	1	1	2	10
Females	56	5	13	38	23	5	4	3	.....	1	3	.....	.....	.....	.....	.....	17
Native	75	11	13	51	29	7	13	4	1	2	4	3	.....	1	1	1	9
Males	38	9	3	26	11	2	9	2	1	1	3	3	.....	1	1	1	3
Females	37	2	10	25	18	5	4	2	.....	1	1	.....	.....	.....	.....	.....	6
Foreign born	11	2	2	7	2	1	1	1	.....	.....	2	.....	.....	.....	.....	1	3
Males	7	1	1	5	.....	1	1	1	.....	.....	1	.....	.....	.....	.....	1	2
Females	4	1	1	2	2	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1
[illegible]	[illegible]	4	4	25	11	2	.....	2	.....	.....	2	1	.....	.....	.....	.....	15
[illegible]	[illegible]	2	2	14	8	2	.....	1	.....	.....	1	1	.....	.....	.....	.....	5
[illegible]	[illegible]	2	2	11	3	.....	.....	1	.....	.....	1	.....	.....	.....	.....	.....	10
Colored	48	3	9	36	20	1	7	5	2	1	2	1	2	.....	.....	1	6
Males	26	2	3	21	12	.....	3	.....	2	1	1	.....	2	.....	.....	1	4
Females	22	1	6	15	8	1	4	5	.....	.....	1	1	.....	.....	.....	.....	2

TABLE 24.—THE DEAF, CLASSIFIED BY ABILITY TO SPEAK, AGE WHEN DEAFNESS OCCURRED, COLOR, NATIVITY, SEX, AND PRESENT AGE: 1900—Continued.

PARTIALLY DEAF.

COLOR, NATIVITY, SEX, AND PRESENT AGE.	Total.	ABILITY TO SPEAK.			AGE WHEN DEAFNESS OCCURRED.												
					Under 20.							20 and over.					Unknown.
		Well.	Imperfectly.	Not at all.	Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.	
All ages	51,861	47,474	3,506	887	1,865	1,598	2,991	3,300	3,039	3,196	1,359	14,567	8,570	6,221	964	2,119	2,272
White	49,771	45,772	3,221	778	1,645	1,341	2,890	3,134	2,885	3,071	1,284	14,147	8,231	6,021	893	2,020	2,109
Males	25,529	23,182	1,910	437	904	750	1,540	1,559	1,317	1,513	624	6,861	4,400	3,519	442	983	1,117
Females	24,242	22,590	1,311	341	741	591	1,340	1,575	1,568	1,558	660	7,286	3,831	2,502	451	1,037	1,052
Native	39,811	36,386	2,752	673	1,427	1,228	2,565	2,640	2,452	2,680	1,108	11,640	6,204	4,233	635	1,402	1,597
Males	20,139	18,123	1,638	378	777	691	1,370	1,218	1,113	1,305	539	5,571	3,235	2,437	409	653	821
Females	19,672	18,263	1,114	295	650	537	1,195	1,322	1,339	1,375	569	6,069	2,969	1,796	326	749	776
Foreign born	9,772	9,257	428	87	188	98	294	436	427	385	162	2,478	2,056	1,781	256	610	550
Males	5,291	4,993	252	46	112	48	160	234	200	203	78	1,275	1,158	1,077	133	325	288
Females	4,481	4,264	176	41	76	50	134	202	227	182	85	1,203	898	704	123	285	262
Unknown	188	129	41	18	30	15	21	8	6	6	13	29	21	7	2	8	22
Males	99	66	20	13	15	11	10	7	4	5	7	15	7	5	.....	5	8
Females	89	63	21	5	15	4	11	1	2	1	6	14	14	2	2	3	14
Colored	2,090	1,702	279	109	220	57	111	166	154	125	75	420	239	200	71	99	103
Males	1,168	961	143	64	131	32	62	81	73	62	46	252	169	120	31	54	55
Females	922	741	136	45	89	25	49	85	81	63	29	168	130	80	40	45	48
Under 20	4,371	2,481	1,454	436	594	835	1,150	687	293	54	458	.....	.....	.....	.....	.....	.....
White	3,960	2,268	1,322	370	778	788	1,070	605	257	45	417	.....	.....	.....	.....	.....	.....
Males	2,209	1,242	763	204	413	461	557	453	120	20	230	.....	.....	.....	.....	.....	.....
Females	1,751	1,026	559	166	365	327	453	247	137	25	187	.....	.....	.....	.....	.....	.....
Native	3,717	2,143	1,230	344	720	735	1,015	575	244	42	336	.....	.....	.....	.....	.....	.....
Males	2,075	1,177	710	188	376	432	563	342	116	17	229	.....	.....	.....	.....	.....	.....
Females	1,642	966	520	156	344	303	452	233	128	25	157	.....	.....	.....	.....	.....	.....
Foreign born	176	92	68	16	35	39	41	24	11	3	23	.....	.....	.....	.....	.....	.....
Males	95	46	40	9	25	19	17	11	4	3	16	.....	.....	.....	.....	.....	.....
Females	81	46	28	7	10	20	24	13	7	.....	7	.....	.....	.....	.....	.....	.....
Unknown	67	33	24	10	23	14	14	6	2	.....	8	.....	.....	.....	.....	.....	.....
Males	39	19	13	7	12	10	7	5	.....	.....	5	.....	.....	.....	.....	.....	.....
Females	28	14	11	3	11	4	7	1	2	.....	3	.....	.....	.....	.....	.....	.....
Colored	411	213	132	66	116	47	80	82	36	9	41	.....	.....	.....	.....	.....	.....
Males	233	124	64	45	67	27	45	47	17	4	26	.....	.....	.....	.....	.....	.....
Females	178	89	68	21	49	20	35	35	19	5	15	.....	.....	.....	.....	.....	.....
20 and over	47,330	44,851	2,032	447	964	561	1,835	2,602	2,739	3,127	896	14,532	8,546	6,205	961	2,110	2,252
White	45,668	43,374	1,888	406	863	551	1,804	2,519	2,623	3,012	862	14,116	8,259	6,007	890	2,011	2,151
Males	23,246	21,873	1,141	232	491	287	949	1,195	1,194	1,484	373	6,842	4,390	3,510	440	978	1,113
Females	22,422	21,501	747	174	372	264	855	1,324	1,429	1,528	489	7,274	3,869	2,497	450	1,033	1,038
Native	35,994	34,148	1,517	329	704	491	1,546	2,057	2,204	2,625	718	11,621	6,188	4,221	634	1,397	1,588
Males	18,017	16,902	925	190	401	257	804	972	995	1,280	309	5,561	3,229	2,430	308	651	820
Females	17,977	17,246	592	139	303	234	742	1,085	1,209	1,345	409	6,060	2,959	1,791	326	746	768
Foreign born	9,566	9,139	356	71	153	59	251	461	415	381	139	2,471	2,051	1,779	254	607	545
Males	5,176	4,929	210	37	87	29	142	222	195	199	62	1,270	1,154	1,075	132	323	286
Females	4,390	4,210	146	34	66	30	109	239	220	182	77	1,201	897	704	122	284	259
Unknown	108	87	15	6	6	1	7	1	4	6	5	24	20	7	2	7	18
Males	53	42	6	5	3	1	3	1	4	5	2	11	7	5	.....	4	7
Females	55	45	9	1	3	.....	4	.....	.....	1	3	13	13	2	2	3	11
Colored	1,662	1,477	144	41	101	10	31	83	116	115	34	416	287	198	71	99	101
Males	924	829	78	17	61	5	17	34	55	57	20	251	167	119	31	54	53
Females	738	648	66	24	40	5	14	49	61	58	14	165	120	79	40	45	48
Age not stated	160	142	14	4	7	2	6	11	7	15	5	35	24	16	3	9	20
White	143	130	11	2	4	2	6	10	5	14	5	31	22	14	3	9	18
Males	74	67	6	1	.....	2	4	6	3	9	1	19	10	9	2	5	4
Females	69	63	5	1	4	.....	2	4	2	5	4	12	12	5	1	4	14
Native	100	95	5	.....	3	2	4	8	4	13	4	19	16	12	1	5	9
Males	47	44	3	.....	.....	2	3	4	2	8	1	10	6	7	1	2	1
Females	53	51	2	.....	3	.....	1	4	2	5	3	9	10	5	.....	3	8
Foreign born	30	26	4	.....	.....	.....	2	1	1	1	1	7	5	2	2	3	5
Males	20	18	2	.....	.....	.....	1	1	1	1	.....	5	4	2	1	2	2
Females	10	8	2	.....	.....	.....	1	.....	.....	.....	1	2	1	.....	1	1	3
Unknown	13	9	2	2	1	.....	.....	1	.....	.....	.....	5	1	.....	.....	1	4
Males	7	5	1	1	.....	.....	.....	1	.....	.....	.....	4	.....	.....	.....	1	1
Females	6	4	1	1	1	.....	.....	.....	.....	.....	.....	1	1	.....	.....	.....	3
Colored	17	12	3	2	3	.....	.....	1	2	1	.....	4	2	2	.....	.....	2
Males	11	8	1	2	3	.....	.....	.....	1	1	.....	1	2	1	.....	.....	2
Females	6	4	2	.....	.....	.....	.....	1	1	.....	.....	3	.....	1	.....	.....	.....

TABLE 25.—THE DEAF FROM EACH CAUSE,

	CAUSE OF DEAFNESS.	United States.	Alabama.	Arizona.	Arkansas.	California.	Colorado.	Connecticut.	Delaware.	Dist. of Columbia.
1	Totally deaf	37,426	609	25	664	591	176	526	79	212
2	External ear	207	5	1	2	1	2	4	1	1
3	Impacted cerumen	71						3		1
4	Foreign bodies in ear	50	1	1	1					
5	Other causes affecting external ear	86	4		1	1	2	1	1	
6	Middle ear	10,227	112	7	138	174	62	185	22	58
7	Inflammation and abscess (suppurative)	7,390	74	6	89	104	39	148	17	37
8	Scarlet fever	4,145	15	4	19	65	22	106	8	27
9	Disease of ear	1,365	45	2	45	16	5	8		
10	Measles	953	8		14	11	6	17	5	6
11	Influenza	273			4	1	2	4	1	1
12	Other causes producing suppuration	654	6		7	11	4	13	3	3
13	Catarrhal affections (nonsuppurative)	2,836	38	1	49	70	23	37	5	21
14	Catarrh	1,354	15		23	34	13	18	1	9
15	Colds	580	6		10	21	5	4	1	7
16	[illegible]	902	17	1	16	15	5	15	3	5
17	Oth[illegible]	1								
18	Internal ear	7,730	79	6	140	134	36	85	5	67
19	Labyrinth affected	661	20		33	15	1	6	1	3
20	Malarial fever and quinine	439	15		26	8	1	5	1	3
21	Other causes affecting labyrinth	222	5		7	7		1		
22	Nerve affected	6,931	59	5	106	115	35	74	4	64
23	Meningitis	3,609	31	2	64	53	24	33	1	40
24	Brain fever	1,744	13	3	28	32	5	22	3	8
25	Typhoid fever	908	9		8	22	4	9		11
26	Other causes affecting nerve	670	6		6	8	2	10		5
27	Brain center for hearing affected	96		1	1	2		4		
28	Other causes affecting internal ear	42				2		1		
29	Unclassified	16,950	379	7	349	249	62	218	41	67
30	Congenital	12,607	314	5	285	183	42	161	32	41
31	Old age	115	1		1	2		2	1	5
32	Military service	375	1		3	9	1	3	1	1
33	Falls and blows	1,050	17	1	14	21	8	24	3	10
34	Sickness	1,002	15		20	11	2	9	1	3
35	Fever	758	13	1	20	9	5	6	1	2
36	Hereditary	122	1			2		4		
37	Other causes unclassified	921	17		6	12	4	9	2	5
38	Unknown	2,312	34	4	35	33	14	34	10	19
39	Partially deaf	51,861	724	26	653	1,158	296	988	176	295
40	External ear	664	10	1	7	14	8	6	3	
41	Impacted cerumen	286	1	1		6	5	5	2	
42	Foreign bodies in ear	247	7		6	5	2	1	1	
43	Other causes affecting external ear	131	2		1	3	1			
44	Middle ear	24,574	291	10	271	587	166	500	82	120
45	Inflammation and abscess (suppurative)	10,143	149	5	124	186	49	198	32	47
46	Scarlet fever	3,279	15		11	59	15	97	12	22
47	Disease of ear	2,845	82	5	74	58	8	29	5	11
48	Measles	1,516	24		15	17	10	29	5	2
49	Influenza	1,503	21		12	30	8	26	5	7
50	Other causes producing suppuration	1,000	7		12	22	8	17	5	5
51	Catarrhal affections (nonsuppurative)	14,424	142	5	147	401	117	302	50	73
52	Catarrh	10,348	92	4	105	275	84	228	34	49
53	Colds	2,494	28		17	99	21	54	13	20
54	Other catarrhal affections	1,582	22	1	25	27	12	20	3	4
55	Other causes affecting middle ear	7								
56	Internal ear	4,565	81	3	85	127	33	67	14	19
57	Labyrinth affected	2,065	60	1	51	78	9	30	7	6
58	Malarial fever and quinine	1,197	52	1	42	45	5	20	3	3
59	Other causes affecting labyrinth	868	8		9	33	4	10	4	3
60	Nerve affected	2,430	21	2	34	49	24	37	7	13
61	Meningitis	382	3	1	8	4	10	5		
62	Brain fever	269	1		5	3	1	2		3
63	Typhoid fever	1,147	13	1	9	14	8	20	5	6
64	Other causes affecting nerve	632	4		12	28	5	10	2	4
65	Brain center for hearing affected	33								
66	Other causes affecting internal ear	37								
67	Unclassified	14,255	212	11	201	255	60	237	40	129
68	Congenital	1,865	56		43	22	10	29	4	10
69	Old age	3,246	52	2	25	79	11	87	6	53
70	Military service	2,867	34	5	39	32	16	13	8	27
71	Falls and blows	1,193	11	1	15	31	7	20	4	7
72	Sickness	1,141	13	2	19	21	5	17	6	10
73	Fever	678	11		14	16	3	15		5
74	Hereditary	787	7		5	12		16	5	2
75	Other causes unclassified	2,478	28	1	41	42	8	40	7	15
76	Unknown	7,803	130	1	89	175	29	178	37	27

BY STATES AND TERRITORIES: 1900.

Florida.	Georgia.	Idaho.	Illinois.	Indian Territory.	Indiana.	Iowa.	Kansas.	Kentucky.	Louisiana.	Maine.	Maryland.	Massachusetts.	Michigan.	Minnesota.	Mississippi.	
169	846	51	2,564	94	1,638	1,200	925	1,257	527	456	613	1,283	1,337	862	512	1
.....	6	.....	7	.....	9	15	5	2	2	4	3	2	11	4	2	2
.....	1	.....	1	.....	3	6	.....	2	1	2	2	2	3	2	.....	3
.....	2	.....	3	.....	1	6	2	.....	.....	1	.....	.....	2	1	1	4
.....	3	.....	3	.....	5	3	3	.....	1	1	1	.....	6	1	1	5
40	150	18	646	25	435	351	274	286	61	161	158	445	402	235	90	6
26	90	13	453	18	281	245	182	198	43	119	118	330	283	170	56	7
10	27	8	231	6	144	146	74	82	19	78	75	210	181	99	13	8
12	45	3	76	7	54	44	39	74	15	28	17	38	35	24	28	9
2	10	1	84	4	45	27	34	22	3	6	11	33	37	20	8	10
1	1	.....	12	1	16	9	16	6	1	3	4	11	10	9	4	11
1	7	1	50	.....	22	19	19	14	5	4	11	38	20	18	3	12
14	60	5	193	7	154	106	92	88	18	42	40	115	119	65	34	13
3	26	.....	91	4	80	56	39	32	11	22	14	50	65	26	14	14
8	12	2	50	.....	22	17	18	16	3	7	11	30	22	21	3	15
3	22	3	52	3	52	33	35	40	4	13	15	35	32	18	17	16
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	17
22	125	14	759	27	565	324	227	235	69	29	90	200	363	195	81	18
4	20	1	32	4	29	22	26	25	25	2	6	14	25	6	24	19
4	18	1	19	3	16	15	22	21	19	1	3	5	15	3	17	20
.....	2	.....	13	1	13	7	4	4	6	1	3	9	10	3	7	21
18	105	13	717	22	531	300	198	207	44	27	81	181	333	185	57	22
10	66	8	372	14	290	186	120	96	15	8	29	92	166	75	36	23
1	13	1	197	7	170	59	41	54	11	12	14	41	75	52	7	24
4	16	4	89	.....	45	32	21	38	9	2	30	27	52	41	8	25
3	10	.....	59	1	26	23	16	19	9	5	8	21	40	17	6	26
.....	.....	.....	8	1	4	.....	3	2	.....	.....	2	5	3	4	.....	27
.....	.....	.....	2	.....	1	2	.....	1	.....	.....	1	.....	2	.....	.....	28
99	509	18	965	36	572	436	366	670	375	237	318	532	486	369	300	29
79	430	12	627	28	413	297	249	545	312	172	259	383	337	268	245	30
.....	2	.....	6	.....	4	2	1	7	1	1	1	7	3	2	1	31
1	6	.....	35	.....	10	12	13	8	4	5	6	14	15	7	1	32
3	14	2	83	.....	33	36	27	18	9	22	19	48	39	16	7	33
4	21	1	100	2	34	36	23	24	19	9	13	20	38	50	20	34
4	18	2	47	4	31	26	28	49	11	12	5	17	18	6	12	35
.....	1	.....	11	.....	5	1	.....	3	2	3	4	10	3	2	.....	36
8	17	1	56	2	33	26	25	16	17	13	11	33	33	18	14	37
8	56	1	187	6	57	74	53	64	20	25	44	104	75	59	39	38
213	971	95	3,480	134	1,969	1,752	1,171	1,362	684	801	966	2,732	2,065	876	478	39
3	14	3	34	3	19	21	11	23	20	7	19	37	12	8	4	40
.....	5	1	4	.....	6	8	4	9	10	1	7	20	6	3	1	41
.....	5	2	19	1	6	12	5	7	7	.....	10	10	4	4	3	42
3	4	.....	11	2	7	1	2	7	3	6	2	7	2	1	.....	43
99	407	50	1,729	61	936	924	541	549	244	452	419	1,385	1,093	382	162	44
45	181	16	627	26	347	329	200	249	98	197	202	601	429	127	63	45
9	39	5	184	1	88	94	52	58	25	59	73	254	151	41	3	46
25	70	4	185	18	80	83	53	90	50	56	45	137	112	30	35	47
5	34	2	97	2	78	64	41	51	8	38	29	66	73	12	14	48
3	24	2	113	2	61	47	35	29	6	26	32	82	67	30	5	49
3	14	3	48	3	40	41	19	21	9	18	23	62	26	14	6	50
53	226	34	1,100	35	589	595	341	300	146	255	217	783	664	255	99	51
31	157	25	827	24	446	473	283	184	79	191	143	547	526	187	68	52
12	38	8	177	4	73	77	29	42	47	30	54	150	87	51	19	53
10	31	1	96	7	70	45	29	74	20	34	20	86	51	17	12	54
1	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	55
26	118	8	321	19	241	160	116	147	73	40	103	156	188	67	56	56
17	70	6	133	14	89	56	54	68	49	19	34	61	72	15	47	57
14	50	2	89	12	54	36	43	52	33	5	16	10	38	6	41	58
3	20	4	44	2	35	20	11	16	16	14	18	51	34	9	6	59
9	47	2	187	4	149	102	62	78	23	20	69	92	115	51	8	60
1	8	.....	28	.....	23	15	9	9	.....	1	3	11	26	10	2	61
.....	1	.....	23	1	21	21	5	10	3	3	6	8	11	7	2	62
5	23	2	79	2	70	41	28	40	9	8	46	37	54	28	1	63
3	15	.....	57	1	35	25	20	19	11	8	14	36	24	6	3	64
.....	.....	.....	1	.....	2	2	.....	1	1	1	.....	2	1	.....	1	65
.....	1	.....	.....	1	1	.....	.....	.....	.....	.....	.....	1	.....	1	.....	66
56	288	20	901	38	533	414	362	413	247	180	244	689	516	260	168	67
9	72	5	79	15	34	39	31	85	51	14	32	49	76	57	33	68
8	47	2	223	1	126	97	50	84	43	50	59	249	92	38	29	69
11	43	5	180	3	143	94	144	82	36	45	39	95	129	44	30	70
4	26	3	89	3	34	30	26	28	18	14	25	79	51	27	22	71
4	25	2	97	3	52	28	28	24	34	5	18	35	39	35	17	72
5	20	.....	34	6	26	15	17	42	18	8	6	29	19	9	7	73
.....	15	.....	46	1	30	20	14	17	6	16	11	60	33	11	7	74
15	40	3	153	6	88	91	52	51	41	28	54	93	77	39	23	75
29	144	14	504	13	240	233	141	230	100	122	181	465	256	159	88	76

TABLE 25.—THE DEAF FROM EACH CAUSE,

	CAUSE OF DEAFNESS.	Missouri.	Montana.	Nebraska.	Nevada.	New Hampshire.	New Jersey.	New Mexico.	New York.	North Carolina.
1	Totally deaf	1,776	70	522	19	211	720	85	3,751	920
2	External ear	13		2		2	6	1	10	5
3	Impacted cerumen	3		1			3	1	3	1
4	Foreign bodies in ear	3		1					3	2
5	Other causes affecting external ear	7				2	3		4	2
6	Middle ear	418	26	169	4	99	250	4	1,157	167
7	Inflammation and abscess (suppurative)	306	18	131	1	76	199	1	906	119
8	Scarlet fever	126	11	69	1	57	135		644	37
9	Disease of ear	88	3	19		8	21	1	82	53
10	Measles	45	1	17		4	19		92	14
11	Influenza	24	2	12		2	4		18	5
12	Other causes producing suppuration	23	1	14		5	20		70	10
13	Catarrhal affections (nonsuppurative)	112	8	38	3	23	51	3	251	48
14	Catarrh	51	2	12	2	12	30	2	137	16
15	Colds	12	3	12		5	15		54	10
16	Other catarrhal affections	39	3	14	1	6	6	1	60	22
17	Other causes affecting middle ear									
18	Internal ear	526	17	109	4	23	108	8	798	88
19	Labyrinth affected	41	2	3			7	1	42	14
20	Malarial fever and quinine	29	2	1			6		23	10
21	Other causes affecting labyrinth	12		2			1	1	19	4
22	Nerve affected	479	12	104	4	23	98	7	725	71
23	Meningitis	319	7	52	2	4	38	4	348	34
24	Brain fever	80	2	28	1	8	34		213	10
25	Typhoid fever	49	1	13	1	4	14		70	12
26	Other causes affecting nerve	31	2	11		7	12	3	94	15
27	Brain center for hearing affected	3		2			2		20	3
28	Other causes affecting internal ear	3	3				1		11	
29	Unclassified	728	22	266	5	73	294	60	1,478	619
30	Congenital	515	12	132	4	51	208	43	1,051	548
31	Old age	4		4			2	4	20	
32	Military service	21		7		1	5	3	29	4
33	Falls and blows	44	3	12		2	30	5	156	16
34	Sickness	58	3	22	1	8	9		73	14
35	Fever	44	3	12		7	8	2	34	23
36	Hereditary	7		3		1	5		15	2
37	Other causes unclassified	35	1	14		3	27	3	100	12
38	Unknown	91	5	36	6	14	62	12	308	41
39	Partially deaf	1,990	56	698	42	551	1,565	218	6,195	722
40	External ear	30	2	13	1	4	30	9	84	7
41	[illegible]	14		7		2	18	4	46	2
42	[illegible]	12	2	5			7	5	28	3
43	[illegible]	4		1	1	2	5		10	2
44	Middle ear	936	29	345	22	290	773	56	3,030	254
45	Inflammation and abscess (suppurative)	374	11	140	9	125	363	28	1,255	119
46	Scarlet fever	71	3	41	3	43	154	7	535	20
47	Disease of ear	144	1	32	3	49	87	15	246	57
48	Measles	64	2	34	1	8	43	1	141	17
49	Influenza	63	4	19	1	17	50		176	17
50	Other causes producing suppuration	32	1	14	1	8	29	5	157	8
51	Catarrhal affections (nonsuppurative)	562	18	205	13	165	410	28	1,772	135
52	Catarrh	426	15	153	7	125	283	14	1,265	77
53	Colds	73	2	33	4	23	79	5	336	31
54	Other catarrhal affections	63	1	19	2	17	48	9	171	27
55	Other causes affecting middle ear								3	
56	Internal ear	205	6	56	5	33	111	13	432	67
57	Labyrinth affected	98	3	21	4	15	55	6	193	39
58	Malarial fever and quinine	76	2	9	2	7	27	3	56	31
59	Other causes affecting labyrinth	22	1	12	2	8	28	3	137	8
60	Nerve affected	106	1	34	1	17	56	5	226	27
61	Meningitis	34		10		2	7	1	38	5
62	Brain fever	12		3			5		28	2
63	Typhoid fever	43		15	1	9	29	3	100	15
64	Other causes affecting nerve	17	1	6		6	15	1	60	5
65	Brain center for hearing affected	1		1				2	3	1
66	Other causes affecting internal ear		2			1			10	
67	Unclassified	573	13	200	10	124	377	91	1,598	262
68	Congenital	63	4	29	1	6	20	19	127	98
69	Old age	107	1	41	4	51	112	31	462	31
70	Military service	164	4	58	2	21	57	5	256	37
71	Falls and blows	37		18		10	29	12	160	12
72	Sickness	37		14	3	6	29	4	122	16
73	Fever	40	3	9		2	4	9	50	24
74	Hereditary	25		7		11	33	2	112	11
75	Other causes unclassified	100	1	24		17	93	9	309	33
76	Unknown	246	6	84	4	100	274	49	1,051	132

BY STATES AND TERRITORIES: 1900—Continued.

North Dakota.	Ohio.	Oklahoma.	Oregon.	Pennsylvania.	Rhode Island.	South Carolina.	South Dakota.	Tennessee.	Texas.	Utah.	Vermont.	Virginia.	Washington.	West Virginia.	Wisconsin.	Wyoming.	
135	2,431	164	193	3,103	172	500	191	984	1,152	156	158	880	168	559	1,181	9	1
1	19	2	.....	21	.....	6	.....	5	11	1	2	4	2	2	3	.....	2
1	6	1	.....	11	.....	2	.....	1	2	1	1	2	1	.....	1	.....	3
.....	3	.....	.....	4	.....	2	.....	3	4	.....	1	1	.....	.....	1	.....	4
.....	10	1	.....	6	.....	2	.....	1	5	.....	.....	1	1	2	1	.....	5
30	757	58	68	984	64	62	59	199	265	43	79	183	50	178	317	2	6
26	535	43	51	766	50	42	42	134	185	39	51	137	31	131	229	2	7
12	300	13	27	533	38	7	24	47	33	24	37	50	17	79	154	1	8
3	77	9	7	67	4	15	7	44	93	3	6	41	6	25	23	.....	9
5	88	13	10	85	6	7	4	25	32	4	3	20	3	15	27	.....	10
2	14	3	1	23	2	3	2	6	14	1	3	4	.....	1	9	1	11
4	56	5	6	58	.....	10	5	12	13	7	2	22	5	11	16	.....	12
4	222	15	17	217	14	20	17	65	80	4	28	46	19	47	88	.....	13
1	113	7	8	112	7	8	6	24	53	1	18	13	11	16	46	.....	14
1	41	4	4	43	4	2	6	6	8	2	7	13	3	6	23	.....	15
2	68	4	5	62	3	10	5	35	19	1	3	20	5	25	19	.....	16
.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	17
25	559	37	50	576	25	59	33	116	173	39	10	96	59	70	240	5	18
.....	45	5	4	28	2	17	1	29	43	3	1	14	2	10	3	.....	19
.....	25	2	1	14	2	16	1	15	33	1	.....	8	1	6	2	.....	20
.....	20	3	3	14	.....	1	.....	14	10	2	1	6	1	4	1	.....	21
24	503	30	46	538	20	41	32	85	130	36	8	81	54	60	234	5	22
9	221	21	21	261	7	26	16	52	84	24	3	47	26	34	117	1	23
10	169	6	11	146	5	4	6	18	15	3	.....	8	17	20	58	3	24
1	69	1	7	62	4	4	5	11	21	8	4	14	8	4	39	1	25
4	44	2	7	69	4	7	5	4	10	1	1	12	3	2	20	.....	26
1	5	2	.....	5	3	1	.....	2	.....	.....	1	1	3	.....	2	.....	27
.....	6	.....	.....	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	28
65	968	61	68	1,318	71	338	85	600	641	68	60	549	52	289	570	2	29
42	696	40	45	949	53	294	45	501	486	44	25	459	36	207	400	2	30
.....	8	.....	.....	10	1	3	1	.....	2	2	.....	2	.....	.....	2	.....	31
.....	45	2	2	41	1	2	.....	9	5	.....	9	9	3	4	8	.....	32
4	59	4	8	94	7	5	10	11	21	6	9	23	2	13	32	.....	33
12	40	4	6	76	2	15	18	21	30	5	2	20	5	14	69	.....	34
2	40	6	6	59	3	12	4	33	50	6	5	14	4	21	13	.....	35
.....	10	1	.....	9	2	1	.....	2	2	1	2	2	.....	4	1	.....	36
5	70	4	1	80	2	6	7	23	45	4	8	20	2	26	45	.....	37
14	128	6	7	204	12	35	14	64	62	5	7	48	5	20	51	.....	38
121	3,649	118	217	4,444	411	452	239	1,042	1,164	187	565	1,033	206	587	1,295	20	39
5	26	.....	2	49	4	15	5	10	21	.....	8	20	3	9	20	.....	40
5	15	.....	.....	26	3	4	1	1	11	.....	4	11	.....	2	5	.....	41
.....	7	.....	1	16	.....	7	1	6	4	.....	3	6	1	5	11	.....	42
.....	4	.....	1	7	1	4	3	3	6	.....	1	3	2	2	4	.....	43
58	1,779	60	112	2,097	214	143	109	466	523	93	308	421	110	282	594	10	44
20	731	20	45	977	101	57	43	218	215	38	131	195	33	143	224	1	45
6	229	4	15	405	47	6	14	41	26	11	51	53	9	45	73	.....	46
7	171	7	11	183	21	24	15	102	113	9	25	75	11	41	51	.....	47
4	119	4	10	140	16	15	4	25	31	5	15	27	5	25	44	.....	48
2	129	3	7	164	5	6	6	29	25	6	21	25	5	13	37	.....	49
1	83	2	2	85	12	6	4	21	20	7	19	15	3	19	19	1	50
38	1,048	40	67	1,129	113	86	66	248	308	55	177	226	77	139	370	9	51
27	787	30	47	753	87	48	47	156	234	34	135	134	59	84	253	6	52
9	142	5	14	250	15	23	11	39	31	13	26	50	11	31	87	1	53
2	119	5	6	117	11	15	8	53	43	8	16	42	7	24	30	2	54
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	55
9	330	14	27	326	22	48	26	99	143	18	27	108	28	46	97	1	56
3	112	6	14	122	11	31	5	54	91	7	15	68	8	22	15	1	57
.....	61	5	7	38	2	26	1	39	77	3	.....	36	4	8	5	.....	58
3	51	1	7	84	9	5	4	15	14	4	15	32	4	14	10	1	59
6	209	7	12	193	11	17	18	43	51	11	10	40	19	24	81	.....	60
.....	22	2	3	22	2	3	2	12	11	3	.....	4	9	2	11	.....	61
1	28	1	2	19	3	2	.....	6	4	.....	.....	3	3	1	9	.....	62
3	109	4	6	111	1	8	11	14	20	8	5	22	6	16	39	.....	63
2	50	.....	1	41	5	4	5	11	16	.....	5	11	1	5	22	.....	64
.....	1	1	.....	5	.....	.....	3	1	.....	.....	1	.....	1	.....	.....	.....	65
.....	8	.....	1	6	.....	.....	.....	1	1	.....	1	.....	.....	.....	1	.....	66
36	1,012	34	59	1,231	100	165	69	303	342	53	159	341	47	173	401	8	67
6	94	11	7	161	3	39	7	53	61	10	4	68	12	40	67	.....	68
3	228	3	7	259	27	31	7	42	47	8	52	61	9	17	92	.....	69
8	269	12	14	277	15	10	11	69	56	6	32	64	5	40	75	3	70
4	83	.....	10	98	9	19	9	11	34	5	11	16	2	10	19	.....	71
3	72	1	7	98	7	17	9	21	39	5	6	35	2	7	42	.....	72
2	36	2	1	44	5	13	3	34	25	6	7	12	.....	11	11	.....	73
.....	58	1	1	67	8	10	5	18	12	1	13	27	5	10	15	1	74
10	172	4	12	227	26	26	18	55	68	12	34	58	12	38	80	4	75
13	502	10	17	741	71	81	30	164	135	23	63	143	18	77	183	1	76

TABLE 26.—THE DEAF FROM EACH CAUSE, BY RACE, SEX, AND NATIVITY: 1900.

CAUSE OF DEAFNESS.	AGGREGATE.			WHITE.									COLORED.								
	Total.	Male.	Female.	Total.			Native.		Foreign born.		Unknown.		Total.			Negro.		Indian.		Chinese and Japanese.	
				Total.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Total.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
Totally deaf	37,426	20,218	17,208	34,590	18,694	15,896	16,199	13,855	2,215	1,799	280	242	2,836	1,524	1,312	1,449	1,252	73	59	2	1
External ear	207	128	79	183	115	68	92	58	22	9	1	1	24	13	11	13	11	.....	.....	.....	.....
Impacted cerumen	71	55	16	65	49	16	36	11	12	5	1	.....	6	6	.....	6	.....	.....	.....	.....	.....
Foreign bodies in ear	50	23	27	39	19	20	17	17	2	2	.....	1	11	4	7	4	7	.....	.....	.....	.....
Other causes affecting external ear	86	50	36	79	47	32	39	30	8	2	.....	.....	7	3	4	3	4	.....	.....	.....	.....
Middle ear	10,227	5,199	5,028	9,887	5,033	4,854	4,402	4,300	572	505	59	49	340	166	174	154	163	12	11	.....	.....
Inflammation and abscess (suppurative)	7,390	3,803	3,587	7,171	3,689	3,482	3,245	3,091	394	353	50	38	219	114	105	105	99	9	6	.....	.....
Scarlet fever	4,145	2,129	2,016	4,077	2,096	1,981	1,795	1,724	276	237	25	20	68	33	35	30	33	3	2	.....	.....
Disease of ear	1,365	739	626	1,286	699	587	652	544	39	37	8	6	79	40	39	36	37	4	2	.....	.....
Measles	953	466	487	920	447	473	401	427	37	38	9	8	33	19	14	19	12	.....	2	.....	.....
Influenza	273	142	131	265	137	128	125	117	10	8	2	3	8	5	3	4	3	1	.....	.....	.....
Other causes producing suppuration	654	327	327	623	310	313	272	279	32	33	6	1	31	17	14	16	14	1	.....	.....	.....
Catarrhal affections (nonsuppurative)	2,836	1,395	1,441	2,715	1,343	1,372	1,156	1,209	178	152	9	11	121	52	69	49	64	3	5	.....	.....
Catarrh	1,354	703	651	1,311	684	627	588	568	91	58	5	1	43	19	24	18	21	1	3	.....	.....
Colds	580	280	300	563	272	291	212	227	60	62	.....	2	17	8	9	7	8	1	1	.....	.....
Other catarrhal affections	902	412	490	841	387	454	356	414	27	32	4	8	61	25	36	24	35	1	1	.....	.....
Other causes affecting middle ear	1	1	.....	1	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Internal ear	7,730	4,554	3,176	7,350	4,323	3,027	3,880	2,695	388	301	46	31	380	231	149	223	147	8	2	.....	.....
Labyrinth affected	661	388	273	570	337	233	303	215	31	16	3	2	91	51	40	50	40	1	.....	.....	.....
Malarial fever and quinine	439	254	185	364	213	151	194	143	17	7	2	1	75	41	34	40	34	1	.....	.....	.....
Other causes affecting labyrinth	222	134	88	206	124	82	109	72	14	9	1	1	16	10	6	10	6	.....	.....	.....	.....
Nerve affected	6,931	4,085	2,846	6,647	3,909	2,738	3,524	2,429	342	280	43	29	284	176	108	170	107	6	1	.....	.....
Meningitis	3,609	2,135	1,474	3,455	2,041	1,414	1,948	1,346	60	51	33	17	154	94	60	93	59	1	1	.....	.....
Brain fever	1,744	1,036	708	1,706	1,012	694	882	598	123	92	7	4	38	24	14	23	14	1	.....	.....	.....
Typhoid fever	908	526	382	847	494	353	391	258	101	89	2	6	61	32	29	31	29	1	.....	.....	.....
Other causes affecting nerve	670	388	282	639	362	277	303	227	58	48	1	2	31	26	5	23	5	3	.....	.....	.....
Brain center for hearing affected	96	59	37	93	56	37	45	33	11	4	.....	.....	3	3	.....	2	.....	1	.....	.....	.....
Other causes affecting internal ear	42	22	20	40	21	19	17	18	4	1	.....	.....	2	1	1	1	.....	.....	1	.....	.....
Unclassified	16,950	9,178	7,772	15,096	8,183	6,913	7,024	6,004	1,029	793	130	116	1,854	995	859	951	819	44	39	.....	1
Congenital	12,607	6,633	5,974	11,144	5,847	5,297	5,213	4,731	526	466	108	100	1,463	786	677	762	649	24	28	.....	.....
Old age	115	51	64	97	43	54	24	26	19	26	.....	2	18	8	10	6	9	2	1	.....	.....
Military service	375	375	.....	362	362	.....	286	.....	75	.....	1	.....	13	13	.....	13	.....	.....	.....	.....	.....
Falls and blows	1,050	648	402	969	601	368	449	293	145	73	7	2	81	47	34	44	34	3	.....	.....	.....
Sickness	1,002	539	463	871	468	403	339	298	123	100	6	5	131	71	60	59	55	12	4	.....	1
Fever	758	422	336	681	386	295	329	244	52	47	5	4	77	36	41	34	38	2	3	.....	.....
Hereditary	122	55	67	121	54	67	46	60	8	7	.....	.....	1	1	.....	1	.....	.....	.....	.....	.....
Other causes unclassified	921	455	466	851	422	429	338	352	81	74	3	3	70	33	37	32	34	1	3	.....	.....
Unknown	2,312	1,159	1,153	2,074	1,040	1,034	792	798	204	191	44	45	238	119	119	108	112	9	7	2	.....

TABLE 26.—THE DEAF FROM EACH CAUSE, BY RACE, SEX, AND NATIVITY: 1900—Continued.

CAUSE OF DEAFNESS.	AGGREGATE.			WHITE.									COLORED.								
	Total.	Male.	Female.	Total.			Native.		Foreign born.		Unknown.		Total.			Negro.		Indian.		Chinese and Japanese.	
				Total.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Total.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
Partially deaf.	51,861	26,697	25,164	49,771	25,529	24,242	20,139	19,672	5,291	4,481	99	89	2,090	1,168	922	1,077	871	90	51	1	.....
External ear	664	418	246	624	394	230	304	184	89	45	1	1	40	24	16	20	14	4	2	.....	.....
Impacted cerumen	286	221	65	275	213	62	156	50	56	12	1	.....	11	8	3	5	2	3	1	.....	.....
Foreign bodies in ear	247	134	113	230	122	108	99	81	23	26	.....	1	17	12	5	11	5	1	.....	.....	.....
Other causes affecting external ear	131	63	68	119	59	60	49	53	10	7	.....	.....	12	4	8	4	7	.....	1	.....	.....
Middle ear	24,574	11,042	13,532	24,081	10,813	13,268	9,006	11,325	1,775	1,916	32	27	493	229	264	205	248	24	16	.....	.....
Inflammation and abscess (suppurative)	10,143	4,330	5,813	9,889	4,225	5,664	3,697	4,917	514	733	14	14	254	105	149	98	140	7	9	.....	.....
Scarlet fever	3,279	1,368	1,911	3,252	1,362	1,890	1,222	1,648	136	238	4	4	27	6	21	6	20	.....	1	.....	.....
Disease of ear	2,845	1,324	1,521	2,707	1,262	1,445	1,146	1,283	112	157	4	5	138	62	76	57	72	5	4	.....	.....
Measles	1,516	632	884	1,477	615	862	549	758	66	101	.....	3	39	17	22	15	21	2	1	.....	.....
Influenza	1,503	620	883	1,475	608	867	467	708	139	157	2	2	28	12	16	12	15	.....	1	.....	.....
Other causes producing suppuration	1,000	386	614	978	378	600	313	520	61	80	4	.....	22	8	14	8	12	.....	2	.....	.....
Catarrhal affections (nonsuppurative)	14,424	6,711	7,713	14,185	6,587	7,598	5,308	6,405	1,261	1,180	18	13	239	124	115	107	108	17	7	.....	.....
Catarrh	10,348	4,862	5,486	10,257	4,812	5,445	4,096	4,795	705	642	11	8	91	50	41	40	39	10	2	.....	.....
Colds	2,494	1,107	1,387	2,404	1,066	1,338	626	889	437	448	3	1	90	41	49	37	46	4	3	.....	.....
Other catarrhal affections	1,582	742	840	1,524	709	815	586	721	119	90	4	4	58	33	25	30	23	3	2	.....	.....
Other causes affecting middle ear	7	1	6	7	1	6	1	3	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Internal ear	4,505	2,638	1,927	4,316	2,493	1,823	1,979	1,543	501	277	13	3	249	145	104	141	100	4	4	.....	.....
Labyrinth affected	2,065	1,310	755	1,904	1,212	692	936	611	275	80	1	1	161	98	63	97	63	1	.....	.....	.....
Malarial fever and quinine	1,197	592	605	1,075	524	551	465	494	59	56	.....	1	122	68	54	68	54	.....	.....	.....	.....
Other causes affecting labyrinth	868	718	150	829	688	141	471	117	216	24	1	.....	39	30	9	29	9	1	.....	.....	.....
Nerve affected	2,430	1,286	1,144	2,344	1,239	1,105	1,012	910	215	193	12	2	86	47	39	44	37	3	2	.....	.....
Meningitis	382	220	162	369	213	156	202	152	4	3	7	1	13	7	6	7	6	.....	.....	.....	.....
Brain fever	269	153	116	259	149	110	131	92	18	18	.....	.....	10	4	6	4	6	.....	.....	.....	.....
Typhoid fever	1,147	528	619	1,114	513	601	400	467	109	133	4	1	33	15	18	15	16	.....	2	.....	.....
Other causes affecting nerve	632	385	247	602	364	238	279	199	84	39	1	.....	30	21	9	18	9	3	.....	.....	.....
Brain center for hearing affected	33	16	17	31	16	15	13	13	3	2	.....	.....	2	.....	2	.....	.....	.....	2	.....	.....
Other causes affecting internal ear	37	26	11	37	26	11	18	9	8	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Unclassified	14,255	8,542	5,713	13,371	8,012	5,359	6,072	4,004	1,910	1,323	30	32	884	530	354	486	330	43	24	1	.....
Congenital	1,865	1,035	830	1,645	904	741	777	650	112	76	15	15	220	131	89	122	83	8	6	1	.....
Old age	3,246	1,676	1,570	3,084	1,602	1,482	1,013	1,018	588	461	1	3	162	74	88	70	82	4	6	.....	.....
Military service	2,867	2,856	11	2,768	2,758	10	2,224	7	531	3	3	.....	99	98	1	95	1	3	.....	.....	.....
Falls and blows	1,193	769	424	1,077	690	387	465	266	222	118	3	3	116	79	37	71	34	8	3	.....	.....
Sickness	1,141	481	660	1,036	426	610	294	417	130	190	2	3	105	55	50	41	45	14	5	.....	.....
Fever	678	342	336	637	321	316	260	254	58	62	3	.....	41	21	20	21	18	.....	2	.....	.....
Hereditary	787	374	413	773	367	406	329	356	37	46	1	4	14	7	7	7	7	.....	.....	.....	.....
Other causes unclassified	2,478	1,009	1,469	2,351	944	1,407	710	1,036	232	367	2	4	127	65	62	59	60	6	2	.....	.....
Unknown	7,803	4,057	3,746	7,379	3,817	3,562	2,778	2,616	1,016	920	23	26	424	240	184	225	179	15	5	.....	.....

TABLE 27.—THE DEAF FROM EACH CAUSE, CLASSIFIED BY AGE AND PERIOD OF LIFE WHEN DEAFNESS OCCURRED: 1900.

CAUSE OF DEAFNESS.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.			AGE WHEN DEAFNESS OCCURRED.											
					Under 20.							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.
Totally deaf	37,426	33,148	3,483	795	12,609	5,998	7,545	3,718	1,425	865	988	2,021	867	374	57	104
External ear	207	165	40	2	.....	57	41	32	20	11	4	26	8	3	1	2
Impacted cerumen	71	49	20	2	.....	9	10	10	12	8	.....	15	2	1	.....	2
Foreign bodies in ear	50	40	10	.....	.....	9	12	11	4	2	2	6	4	.....	.....	.....
Other causes affecting external ear	86	76	10	.....	.....	39	19	11	4	1	2	5	2	2	1	.....
Middle ear	10,227	8,659	1,436	132	.....	2,658	3,216	1,535	548	360	342	856	399	133	14	34
Inflammation and abscess (suppurative)	7,390	6,892	409	89	.....	2,631	2,738	1,352	366	160	245	252	96	42	8	11
Scarlet fever	4,145	3,976	121	48	.....	728	1,774	1,052	240	66	116	92	19	5	.....	5
Disease of ear	1,365	1,238	105	22	.....	618	396	68	50	34	72	59	30	10	3	3
Measles	953	876	62	15	.....	347	299	129	40	30	31	47	10	1	1	3
Influenza	273	209	64	.....	.....	95	53	34	14	8	5	18	23	19	4	.....
Other causes producing suppuration	654	593	57	4	.....	243	216	69	22	22	21	36	14	7	.....	.....
Catarrhal affections (nonsuppurative)	2,836	1,766	1,027	43	.....	627	477	183	182	200	97	604	303	91	6	23
Catarrh	1,354	602	729	23	.....	157	116	73	99	120	37	424	221	61	5	18
Colds	580	384	186	10	.....	133	108	57	37	40	29	110	54	18	1	3
[illegible]	902	780	112	10	.....	337	253	73	46	40	31	70	28	12	.....	2
Other causes affecting middle ear	1	1	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Internal ear	7,730	7,185	485	60	.....	1,963	2,760	1,546	525	253	138	319	103	51	3	9
Labyrinth affected	661	502	146	13	.....	125	184	99	45	31	18	100	27	16	.....	3
Malarial fever and quinine	439	345	87	7	.....	106	132	51	21	22	13	62	15	9	.....	1
Other causes affecting labyrinth	222	157	59	6	.....	19	52	48	24	9	5	38	12	7	.....	2
Nerve affected	6,931	6,570	316	45	.....	1,789	2,540	1,438	475	220	108	206	71	32	2	5
Meningitis	3,609	3,538	54	17	.....	868	1,459	778	274	105	54	48	5	1	.....	.....
Brain fever	1,744	1,718	20	6	.....	563	635	353	108	39	20	16	4	.....	.....	.....
Typhoid fever	908	777	120	11	.....	110	271	245	74	62	15	94	21	4	.....	1
Other causes affecting nerve	670	537	122	11	.....	248	175	62	19	14	19	48	41	27	2	4
Brain center for hearing affected	96	92	3	1	.....	43	30	7	2	1	9	1	.....	1	.....	1
Other causes affecting internal ear	42	21	20	1	.....	6	6	2	3	1	3	12	5	2	1	.....
Unclassified	16,950	15,877	990	83	12,609	1,044	1,187	457	227	181	172	592	195	101	29	73
Congenital	12,607	12,607	.....	.....	12,607	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Old age	115	.....	115	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Military service	375	43	322	10	.....	.....	.....	.....	.....	43	.....	.....	.....	43	25	47
Falls and blows	1,050	938	97	15	.....	294	372	132	60	30	50	255	47	7	1	12
Sickness	1,002	904	70	28	.....	285	344	117	48	29	81	58	30	7	.....	2
Fever	758	692	53	13	.....	207	284	111	48	24	18	37	22	7	1	3
Hereditary	122	41	80	1	.....	1	4	9	8	15	4	36	13	4	.....	.....
Other causes unclassified	921	652	253	16	2	257	183	88	63	40	19	47	21	7	.....	5
Unknown	2,312	1,262	532	518	.....	276	341	148	105	60	332	159	62	26	2	4
												228	162	86	10	46

TABLE 27.—THE DEAF FROM EACH CAUSE, CLASSIFIED BY AGE AND PERIOD OF LIFE WHEN DEAFNESS OCCURRED: 1900—Continued.

CAUSE OF DEAFNESS.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.			AGE WHEN DEAFNESS OCCURRED.											
					Under 20.							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.
Partially deaf	51,861	17,148	32,441	2,272	1,865	1,398	2,991	3,300	3,039	3,196	1,359	14,567	8,570	6,221	964	2,119
External ear	664	319	324	21	.....	16	48	61	91	85	18	159	102	51	.....	12
Impacted cerumen	286	151	127	8	.....	1	7	22	56	57	8	74	32	16	.....	5
Foreign bodies in ear	247	109	132	6	.....	6	22	29	21	25	6	63	51	15	.....	3
Other causes affecting external ear	131	59	65	7	.....	9	19	10	14	3	4	22	19	20	.....	4
Middle ear	24,574	9,546	14,351	677	.....	821	1,988	2,263	1,948	1,799	727	7,373	4,135	2,272	157	414
Inflammation and abscess (suppurative)	10,143	6,162	3,750	231	.....	601	1,551	1,693	1,124	712	481	1,820	1,011	749	73	97
Scarlet fever	3,279	2,875	333	71	.....	200	859	965	479	183	189	252	55	8	.....	18
Disease of ear	2,845	1,596	1,173	76	.....	246	328	320	284	207	211	607	343	173	16	34
Measles	1,516	1,049	449	18	.....	77	209	276	239	204	44	365	66	9	.....	9
[illegible]	1,503	179	1,280	44	.....	21	38	40	37	33	10	302	390	506	53	29
[illegible]	1,000	463	515	22	.....	57	117	92	85	85	27	294	157	53	4	7
[illegible] rative)	14,424	3,383	10,596	445	.....	220	437	570	824	1,087	245	5,552	3,121	1,523	84	316
Catarrh	10,348	2,116	7,917	315	.....	77	192	331	577	779	160	4,244	2,294	1,088	55	236
Colds	2,494	600	1,803	91	.....	48	87	86	139	200	40	880	534	319	20	50
Other catarrhal affections	1,582	667	876	39	.....	95	158	153	108	108	45	428	293	116	9	30
Other causes affecting middle ear	7	1	5	1	.....	.....	.....	.....	.....	.....	1	1	3	.....	.....	1
Internal ear	4,565	1,640	2,801	124	.....	233	344	319	327	362	55	1,509	830	371	30	61
Labyrinth affected	2,065	[illegible]	[illegible]	[illegible]	.....	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Malarial fever and quinine	1,197	[illegible]	[illegible]	[illegible]	.....	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Other causes affecting labyrinth	868	140	666	53	.....	2	6	22	44	68	7	313	221	106	3	23
Nerve affected	2,430	1,142	1,251	37	.....	200	290	241	197	185	29	720	333	155	17	26
[illegible]	382	330	52	.....	.....	90	107	70	43	15	5	38	11	2	.....	1
[illegible]	269	215	49	5	.....	46	88	49	19	11	2	32	14	2	1	.....
[illegible]	1,147	434	703	10	.....	19	56	95	118	137	9	506	151	39	1	6
Other causes affecting nerve	632	163	447	22	.....	45	39	27	17	22	13	144	157	112	15	19
Brain center for hearing affected	33	19	10	4	.....	2	3	5	3	4	2	5	3	1	.....	1
Other causes affecting internal ear	37	10	17	10	.....	2	3	.....	1	3	1	3	7	5	2	.....
Unclassified	14,255	4,156	9,848	251	1,865	257	392	431	396	637	178	3,909	1,736	2,290	694	1,219
Congenital	1,865	1,865	.....	.....	1,865	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Old age	3,246	.....	3,246	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,603	659	984
Military service	2,807	249	2,542	76	.....	.....	.....	.....	11	237	1	1,917	435	69	2	119
Falls and blows	1,193	590	574	29	.....	79	100	145	128	96	42	268	181	104	6	15
Sickness	1,141	435	645	61	.....	64	119	88	61	47	56	271	204	137	10	23
Fever	678	358	310	10	.....	50	72	83	65	66	22	173	94	31	4	8
Hereditary	787	168	596	23	.....	2	9	20	47	70	20	278	208	69	2	39
Other causes unclassified	2,478	491	1,935	52	.....	62	92	95	84	121	37	1,002	614	277	11	31
Unknown	7,803	1,487	5,117	1,199	.....	71	219	226	277	313	381	1,617	1,767	1,237	83	413

TABLE 28.—THE DEAF FROM EACH CAUSE, CLASSIFIED BY CONSANGUINITY OF PARENTS AND DEAF RELATIVES: 1900.

THE DEAF.

CAUSE OF DEAFNESS.	Aggregate.	PARENTS COUSINS.					PARENTS NOT COUSINS.					PARENTS NOT STATED.				
		Total.	Deaf relatives.				Total.	Deaf relatives.				Total.	Deaf relatives.			
			a.	b or c (not a).	No a, b, or c.	Not stated.		a.	b or c (not a).	No a, b, or c.	Not stated.		a.	b or c (not a).	No a, b, or c.	Not stated.
All causes	89,287	4,065	1,850	331	1,730	154	75,530	18,838	4,041	50,760	1,891	9,692	973	188	1,770	6,761
External ear	871	29	13	3	10	3	760	167	51	525	17	82	2	1	24	55
[illegible]	357	3	2	.....	1	.....	324	78	25	214	7	30	.....	.....	11	19
[illegible]	297	9	4	1	3	1	256	55	18	178	5	32	.....	1	10	21
[illegible] ear	217	17	7	2	6	2	180	34	8	133	5	20	2	.....	3	15
Middle ear	34,801	1,238	471	109	619	39	30,824	8,214	1,826	20,129	655	2,739	275	55	537	1,872
Inflammation and abscess (suppurative)	17,533	738	255	65	389	29	15,510	3,223	856	11,145	286	1,285	128	24	275	858
Scarlet fever	7,424	285	91	24	158	12	6,647	1,076	353	5,121	97	492	56	8	115	313
Disease of ear	4,210	222	86	14	111	11	3,683	919	254	2,425	85	305	36	7	65	197
Measles	2,469	101	35	18	46	2	2,194	488	113	1,560	33	174	24	4	36	110
Influenza	1,776	45	12	4	28	1	1,524	374	66	1,041	43	207	7	5	30	165
[illegible]	1,654	85	31	5	46	3	1,462	366	70	998	28	107	5	.....	29	73
([illegible] rative)	17,260	500	216	44	230	10	15,309	4,990	969	8,982	368	1,451	147	31	262	1,011
Catarrh	11,702	304	132	33	131	8	10,450	3,749	672	5,767	262	948	96	19	152	681
Colds	3,074	81	33	5	42	1	2,666	634	150	1,820	62	327	31	7	64	225
Other catarrhal affections	2,484	115	51	6	57	1	2,193	607	147	1,395	44	176	20	5	46	105
Other causes affecting middle ear	8	.....	.....	.....	.....	.....	5	1	1	2	1	3	.....	.....	.....	3
Internal ear	12,295	343	79	35	216	13	11,121	1,467	550	8,941	163	831	53	18	211	549
Labyrinth affected	2,726	88	23	15	48	2	2,365	525	132	1,666	42	273	15	11	69	178
Malarial fever and quinine	1,636	67	17	11	38	1	1,427	327	89	981	30	142	8	4	42	88
Other causes affecting labyrinth	1,090	21	6	4	10	1	938	198	43	685	12	131	7	7	27	90
Nerve affected	9,361	251	56	20	164	11	8,582	925	412	7,129	116	528	37	7	139	345
Meningitis	3,991	83	12	9	59	3	3,741	226	183	3,297	35	167	11	5	44	107
Brain fever	2,013	59	14	3	40	2	1,859	139	99	1,598	23	95	5	.....	32	58
Typhoid fever	2,055	60	18	5	33	4	1,839	392	85	1,333	29	156	15	.....	44	97
Other causes affecting nerve	1,302	49	12	3	32	2	1,143	168	45	901	29	110	6	2	19	83
Brain center for hearing affected	129	4	.....	.....	4	.....	112	9	4	97	2	13	.....	.....	2	11
Other causes affecting internal ear	79	.....	.....	.....	.....	.....	62	8	2	49	3	17	1	.....	1	15
Unclassified	31,205	2,183	1,181	157	760	85	25,281	6,835	1,255	16,536	655	3,741	487	83	735	2,436
Congenital	14,472	1,710	986	126	535	63	11,322	3,961	686	6,463	212	1,440	348	48	275	769
Old age	3,361	38	7	1	25	5	2,369	313	51	1,793	212	954	20	7	116	811
Military service	3,242	40	13	.....	25	2	2,897	434	73	2,337	53	305	13	3	78	211
Falls and blows	2,243	95	36	7	49	3	1,933	289	93	1,510	41	215	19	5	67	124
Sickness	2,143	80	23	3	49	5	1,786	286	82	1,382	36	277	17	7	80	173
Fever	1,436	62	21	5	34	2	1,257	176	77	982	22	117	9	4	35	69
Hereditary	909	57	53	4	.....	.....	799	736	28	18	17	53	27	2	1	23
Other causes unclassified	3,399	101	42	11	43	5	2,918	640	165	2,051	62	380	34	7	83	256
Unknown	10,115	272	106	27	125	14	7,544	2,155	359	4,629	401	2,299	156	31	263	1,849

TABLE 28.—THE DEAF FROM EACH CAUSE, CLASSIFIED BY CONSANGUINITY OF PARENTS AND DEAF RELATIVES: 1900—Continued.

TOTALLY DEAF.

CAUSE OF DEAFNESS.	Aggregate.	PARENTS COUSINS.					PARENTS NOT COUSINS.					PARENTS NOT STATED.				
		Total.	Deaf relatives.				Total.	Deaf relatives.				Total.	Deaf relatives.			
			a.	b or c (not a).	No a, b, or c.	Not stated.		a.	b or c (not a).	No a, b, or c.	Not stated.		a.	b or c (not a).	No a, b, or c.	Not stated.
All causes	37,426	2,525	1,186	204	1,048	87	31,560	6,484	1,697	22,869	510	3,341	501	80	711	2,049
External ear	207	12	7	.....	4	1	180	28	13	133	6	15	1	.....	5	9
Impacted cerumen	71	.....	.....	.....	.....	.....	67	9	4	51	3	4	.....	.....	1	3
Foreign bodies in ear	50	4	2	.....	1	1	42	7	4	30	1	4	.....	.....	2	2
Other causes affecting external ear	86	8	5	.....	3	.....	71	12	5	52	2	7	1	.....	2	4
Middle ear	10,227	505	170	45	275	15	9,150	1,485	507	7,035	123	572	80	17	162	313
Inflammation and abscess (suppurative)	7,390	386	123	34	216	13	6,603	856	352	5,317	78	401	58	11	115	217
Scarlet fever	4,145	165	44	13	101	7	3,737	407	182	3,119	29	243	36	5	72	130
Disease of ear	1,305	110	43	6	58	3	1,196	197	91	884	24	59	11	4	13	31
Measles	953	53	20	10	22	1	843	120	34	679	10	57	9	2	15	31
Influenza	273	15	1	2	12	.....	248	31	14	200	3	10	2	.....	2	6
.....	654	43	15	3	23	2	579	101	31	435	12	32	.....	.....	13	19
rative)	2,836	119	47	11	59	2	2,546	629	155	1,717	45	171	22	6	47	96
Catarrh	1,354	37	14	7	15	1	1,250	366	66	795	23	67	6	4	15	42
Colds	580	26	11	1	14	.....	508	98	42	357	11	46	6	.....	14	26
Other catarrhal affections	902	56	22	3	30	1	788	165	47	565	11	58	10	2	18	28
Other causes affecting middle ear	1	.....	.....	.....	.....	.....	1	.....	.....	1	.....	.....	.....	.....	.....	.....
Internal ear	7,730	210	39	19	143	9	7,136	520	349	6,193	74	384	25	6	116	237
Labyrinth affected	661	33	6	6	20	1	586	75	45	457	9	42	3	2	14	23
Malarial fever and quinine	439	25	6	3	16	.....	394	50	32	305	7	20	1	2	6	11
Other causes affecting labyrinth	222	8	.....	3	4	1	192	25	13	152	2	22	2	.....	8	12
Nerve affected	6,931	174	33	13	120	8	6,427	437	300	5,627	63	330	22	4	100	204
Meningitis	3,609	71	8	8	52	3	3,387	185	165	3,009	28	151	9	3	40	99
Brain fever	1,744	45	11	3	30	1	1,617	103	85	1,411	18	82	3	.....	27	52
Typhoid fever	908	25	7	.....	16	2	828	91	32	700	5	55	6	.....	21	28
Other causes affecting nerve	670	33	7	2	22	2	595	58	18	507	12	42	4	1	12	25
Brain center for hearing affected	96	3	.....	.....	3	.....	84	3	3	78	.....	9	.....	.....	2	7
Other causes affecting internal ear	42	.....	.....	.....	.....	.....	39	5	1	31	2	3	.....	.....	.....	3
Unclassified	16,950	1,708	946	130	574	58	13,538	4,064	750	8,492	232	1,704	348	50	359	947
Congenital	12,607	1,525	884	116	472	53	9,803	3,502	589	5,538	174	1,279	307	41	244	687
Old age	115	1	1	.....	.....	.....	58	2	1	49	6	56	1	.....	9	46
Military service	375	0	2	.....	7	.....	341	64	7	264	6	25	3	.....	1	21
Falls and blows	1,050	55	20	3	31	1	917	121	42	738	16	78	9	2	25	42
Sickness	1,002	41	12	1	26	2	847	95	32	710	10	114	10	3	34	67
Fever	758	32	8	4	20	.....	667	65	37	557	8	59	6	1	20	32
Hereditary	122	7	6	1	.....	.....	109	101	1	4	3	6	5	.....	.....	1
Other causes unclassified	921	38	13	5	18	2	796	114	41	632	9	87	7	3	26	51
Unknown	2,312	90	24	10	52	4	1,556	387	78	1,016	75	666	47	7	69	543

TABLE 28.—THE DEAF FROM EACH CAUSE, CLASSIFIED BY CONSANGUINITY OF PARENTS AND DEAF RELATIVES: 1900—Continued.

PARTIALLY DEAF.

CAUSE OF DEAFNESS.	Aggregate.	PARENTS COUSINS.					PARENTS NOT COUSINS.					PARENTS NOT STATED.				
		Total.	Deaf relatives.				Total.	Deaf relatives.				Total.	Deaf relatives.			
			a.	*b* or *c* (not *a*).	No *a*, *b*, or *c*.	Not stated.		*a*.	*b* or *c* (not *a*).	No *a*, *b*, or *c*.	Not stated.		*a*.	*b* or *c* (not *a*).	No *a*, *b*, or *c*.	Not stated.
All causes	51,861	1,540	664	127	682	67	43,970	12,354	2,344	27,891	1,381	6,351	472	108	1,059	4,712
External ear	664	17	6	3	6	2	580	139	38	392	11	67	1	1	19	46
Impacted cerumen	286	3	2	.....	1	.....	257	69	21	163	4	26	.....	.....	10	16
Foreign bodies in ear	247	5	2	1	2	.....	214	48	14	148	4	28	.....	1	8	19
Other causes affecting external ear	131	9	2	2	3	2	109	22	3	81	3	13	1	.....	1	11
Middle ear	24,574	733	301	64	344	24	21,674	6,729	1,319	13,094	532	2,167	195	38	375	1,559
[illegible]	10,143	352	132	31	173	16	8,907	2,367	504	5,828	208	884	70	13	160	641
[illegible]	3,279	120	47	11	57	5	2,910	669	171	2,002	68	249	20	3	43	183
[illegible]	2,845	112	43	8	53	8	2,487	722	163	1,541	61	246	25	3	52	166
Measles	1,516	48	15	8	24	1	1,351	368	79	881	23	117	15	2	21	79
[illegible]	1,503	30	11	2	16	1	1,276	343	52	841	40	197	5	5	28	159
[illegible]	1,000	42	16	2	23	1	883	265	39	563	16	75	5	.....	16	54
[illegible] rative)	14,424	381	169	33	171	8	12,763	4,361	814	7,265	323	1,280	125	25	215	915
Catarrh	10,348	267	118	26	116	7	9,200	3,383	606	4,972	239	881	90	15	137	639
Colds	2,494	55	22	4	28	1	2,158	536	108	1,463	51	281	25	7	50	199
[illegible]	1,582	59	29	3	27	.....	1,405	442	100	830	33	118	10	3	28	77
Oth[illegible] ear	7	.....	.....	.....	.....	.....	4	1	1	1	1	3	.....	.....	.....	3
Internal ear	4,565	133	40	16	73	4	3,985	947	201	2,748	89	447	28	12	95	312
Labyrinth affected	2,065	55	17	9	28	1	1,779	450	87	1,209	33	231	12	9	55	155
Malarial fever and quinine	1,197	42	11	8	22	1	1,033	277	57	676	23	122	7	2	36	77
Other causes affecting labyrinth	868	13	6	1	6	.....	746	173	30	533	10	109	5	7	19	78
Nerve affected	2,430	77	23	7	44	3	2,155	488	112	1,502	53	198	15	3	39	141
[illegible]	382	12	4	1	7	.....	354	41	18	288	7	16	2	2	4	8
[illegible]	269	14	3	.....	10	1	242	36	14	187	5	13	2	.....	5	6
[illegible]	1,147	35	11	5	17	2	1,011	301	53	633	24	101	9	.....	23	69
[illegible]	632	16	5	1	10	.....	548	110	27	394	17	68	2	1	7	58
[illegible]	33	1	.....	.....	1	.....	28	6	1	19	2	4	.....	.....	.....	4
Other causes affecting internal ear	37	.....	.....	.....	.....	.....	23	3	1	18	1	14	1	.....	1	12
Unclassified	14,255	475	235	27	186	27	11,743	2,771	505	8,044	423	2,037	139	33	376	1,489
Congenital	1,865	185	102	10	63	10	1,519	459	97	925	38	161	41	7	31	82
Old age	3,246	37	6	1	25	5	2,311	311	50	1,744	206	898	19	7	107	765
Military service	2,867	31	11	.....	18	2	2,556	370	66	2,073	47	280	10	3	77	190
Falls and blows	1,193	40	16	4	18	2	1,016	168	51	772	25	137	10	3	42	82
Sickness	1,141	39	11	2	23	3	939	191	50	672	26	163	7	4	46	106
Fever	678	30	13	1	14	2	590	111	40	425	14	58	3	3	15	37
Hereditary	787	50	47	3	.....	.....	690	635	27	14	14	47	22	2	1	22
Other causes unclassified	2,478	63	29	6	25	3	2,122	526	124	1,419	53	293	27	4	57	205
Unknown	7,803	182	82	17	73	10	5,988	1,768	281	3,613	326	1,633	109	24	194	1,306

TABLE 29.—THE TOTALLY DEAF (PARENTS COUSINS) FROM EACH CAUSE, CLASSIFIED BY AGE AND PERIOD OF LIFE WHEN DEAFNESS OCCURRED, WITH RESPECT TO THE NUMBER HAVING DEAF RELATIVES OF THE SPECIFIED CLASSES: 1900.

a DEAF RELATIVES.

CAUSE OF DEAFNESS.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.			AGE WHEN DEAFNESS OCCURRED.											
					Under 20.							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.
All causes	1,186	1,155	23	8	884	103	94	35	11	16	12	17	5	1		
External ear	7	7				4	3									
Impacted cerumen																
Foreign bodies in ear	2	2				1	1									
Other causes affecting external ear	5	5				3	2									
Middle ear	170	159	10	1		55	59	23	6	10	6	9	1			
Inflammation and abscess (suppurative)	123	119	3	1		42	43	17	3	8	6	3				
Scarlet fever	44	44				12	19	9		3	1					
Disease of ear	43	42	1			15	16	5	1	1	4	1				
Measles	20	17	2	1		7	3	2	2	3		2				
Influenza	1	1				1										
[illegible]	15	15				7	5	1		1	1					
[illegible]	47	40	7			13	16	6	3	2		6	1			
Catarrh	14	9	5			2	2	2	2	1		5				
Colds	11	10	1			5	1	3		1			1			
[illegible]	22	21	1			6	13	1	1			1				
Oth[illegible] ear																
Internal ear	39	37	2			15	14	2	4	2		1	1			
[illegible]	6	5	1			1	4					1				
[illegible]	6	5	1			1	4					1				
[illegible]																
Nerve affected	33	32	1			14	10	2	4	2			1			
Meningitis	8	8				4	4									
Brain fever	11	11				6	1	1	2	1						
Typhoid fever	7	7				2	2	1	1	1						
Other causes affecting nerve	7	6	1			2	3		1				1			
[illegible]																
[illegible]																
Unc[illegible]										3	4	5	2	1		
[illegible]																
[illegible]														1		
[illegible]												1	1			
[illegible]										1	1					
[illegible]											3	1				
[illegible]																
[illegible]										2		2				
[illegible]												1	1			
Unk[illegible]									1	1	2	2	1			

TABLE 29.—THE TOTALLY DEAF (PARENTS COUSINS) FROM EACH CAUSE, CLASSIFIED BY AGE AND PERIOD OF LIFE WHEN DEAFNESS OCCURRED, WITH RESPECT TO THE NUMBER HAVING DEAF RELATIVES OF THE SPECIFIED CLASSES: 1900—Continued.

b OR *c* (NOT *a*) DEAF RELATIVES.

CAUSE OF DEAFNESS.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.			AGE WHEN DEAFNESS OCCURRED.											
					Under 20.							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.
All causes	204	199	3	2	116	37	25	6	8	3	4	2	1			
External ear																
Impacted cerumen																
Foreign bodies in ear																
Other causes affecting external ear																
Middle ear	45	41	3	1		21	13	2	2	1	2	2	1			
Inflammation and abscess (suppurative)	34	33	1			18	11	2		1	1		1			
Scarlet fever	13	12	1			5	4	1		1	1		1			
Disease of ear	6	6				3	2	1								
Measles	10	10				7	3									
Influenza	2	2				2										
Other causes producing suppuration	3	3				1	2									
Catarrhal affections (non-suppurative)	11	8	2	1		3	2		2		1	2				
Catarrh	7	4	2	1		2			2			2				
Colds	1	1				1										
Other catarrhal affections	3	3					2				1					
Other causes affecting middle ear																
Internal ear	19	19				8	4	3	4							
[illegible]	6	6				3	1	2								
[illegible]	3	3				2	1									
[illegible]	3	3				1		2								
Nerve affected	13	13				5	3	1	4							
Meningitis	8	8				3	1	1	3							
Brain fever	3	3				1	1		1							
Typhoid fever																
[illegible]	2	2				1	1									
[illegible] ear																
Unclassified	130	130			116	7	5		1	1						
Congenital	116	116			116											
Old age																
Military service																
Falls and blows	3	3				1	2									
Sickness	1	1							1							
Fever	4	4				2	2									
Hereditary	1	1					1									
Other causes unclassified	5	5				4				1						
Unknown	10	9		1		1	3	1	1	1	2					

TABLE 29.—THE TOTALLY DEAF (PARENTS COUSINS) FROM EACH CAUSE, CLASSIFIED BY AGE AND PERIOD OF LIFE WHEN DEAFNESS OCCURRED, WITH RESPECT TO THE NUMBER HAVING DEAF RELATIVES OF THE SPECIFIED CLASSES: 1900—Continued.

NO *a*, *b*, OR *c* DEAF RELATIVES.

CAUSE OF DEAFNESS.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.			AGE WHEN DEAFNESS OCCURRED.											
					Under 20.							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.
All causes	1,048	1,003	35	10	472	208	202	70	24	10	17	25	6	2		2
External ear	4	4				1	2	1								
Impacted cerumen																
Foreign bodies in ear	1	1						1								
Other causes affecting external ear	3	3				1	2									
Middle ear	275	261	10	4		108	101	30	12	5	5	7	1	1		1
[illegible]	216	208	5	3		83	88	25	8	1	3	4		1		
[illegible]	101	98	1	2		24	49	18	5	1	1	1				
Disease of ear	58	57	1			31	23	1			2	1				
Mastoid	22	22				10	5	4	3							
[illegible]	12	10	2			7	2	1				1		1		
[illegible]	23	21	1	1		11	9	1				1				
Catarrhal affections (nonsuppurative)	59	53	5	1		25	13	5	4	4	2	3	1			1
Catarrh	15	13	2			5	4		1	3		1				1
Colds	14	11	2	1		4	2	3	2			1	1			
Other catarrhal affections	30	29	1			16	7	2	1	1	2	1				
Other causes affecting middle ear																
Internal ear	143	134	6	3		55	39	25	7	5	3	6				
[illegible]	20	17	2	1		6	7	2	1	1		2				
[illegible]	16	15		1		6	6	2	1							
[illegible]	4	2	2				1			1		2				
Nerve affected	120	114	4	2		48	31	23	5	4	3	4				
Meningitis	52	52				18	14	12	4	3	1					
Brain fever	30	30				15	8	7								
Typhoid fever	16	14	2			4	5	2	1	1	1	2				
[illegible]	22	18	2	2		11	4	2			1	2				
[illegible]	3	3				1	1		1							
[illegible] ear																
Unclassified	574	559	15		472	30	43	11	2		1	9	4	1		1
Congenital	472	472			472											
Old age																
Military service	7		7									5	1			1
Falls and blows	31	28	3			12	9	4	2		1	1	2			
Sickness	26	23	3			7	14	2				2	1			
Fever	20	20				7	10	3								
[illegible]	18	16	2			4	10	2				1		1		
Unknown	52	45	4	3		14	17	3	3		8	3	1			

TABLE 29.—THE TOTALLY DEAF (PARENTS COUSINS) FROM EACH CAUSE, CLASSIFIED BY AGE AND PERIOD OF LIFE WHEN DEAFNESS OCCURRED, WITH RESPECT TO THE NUMBER HAVING DEAF RELATIVES OF THE SPECIFIED CLASSES: 1900—Continued.

DEAF RELATIVES NOT STATED.

CAUSE OF DEAFNESS.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.			AGE WHEN DEAFNESS OCCURRED.											
					Under 20.							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.
All causes	87	84	3		53	9	10	5	2		5	3				
External ear	1	1									1					
Impacted cerumen																
Foreign bodies in ear	1	1									1					
Other causes affecting external ear																
Middle ear	15	13	2			4	4	3	1		1	2				
Inflammation and abscess (suppurative)	13	12	1			3	4	3	1		1	1				
Scarlet fever	7	6	1				2	3			1	1				
Disease of ear	3	3				1	1		1							
Measles	1	1				1										
Influenza																
Other causes producing suppuration	2	2				1	1									
Catarrhal affections (nonsuppurative)	2	1	1			1						1				
Catarrh	1		1									1				
Colds																
Other catarrhal affections	1	1				1										
Other causes affecting middle ear																
Internal ear	9	9				2	4	2			1					
Labyrinth affected	1	1					1									
Malarial fever and quinine																
Other causes affecting labyrinth	1	1					1									
Nerve affected	8	8				2	3	2			1					
[illegible]	3	3						2			1					
[illegible]	1	1					1									
[illegible]	2	2				1	1									
[illegible]	2	2				1	1									
Brain center for hearing affected																
Other causes affecting internal ear																
Unclassified	58	58			53	3	1		1							
Congenital	53	53			53											
Old age																
Military service																
Falls and blows	1	1				1										
Sickness	2	2				2										
Fever																
Hereditary																
Other causes unclassified	2	2					1		1							
Unknown	4	3	1				1				2	1				

TABLE 30.—THE TOTALLY DEAF (PARENTS NOT COUSINS) FROM EACH CAUSE, CLASSIFIED BY AGE AND PERIOD OF LIFE WHEN DEAFNESS OCCURRED, WITH RESPECT TO THE NUMBER HAVING DEAF RELATIVES OF THE SPECIFIED CLASSES: 1900.

a DEAF RELATIVES.

CAUSE OF DEAFNESS.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.			AGE WHEN DEAFNESS OCCURRED.											
					Under 20.							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.
All causes	6,484	5,573	853	58	3,502	624	630	324	179	163	151	546	213	45	2	27
External ear	28	21	7	.....	.....	9	5	3	1	1	2	6	.....	.....	.....	1
Impacted cerumen	9	3	6	.....	.....	1	.....	.....	1	1	.....	5	.....	.....	.....	1
Foreign bodies in ear	7	7	.....	.....	.....	2	3	1	.....	.....	1	.....	.....	.....	.....	.....
Other causes affecting external ear	12	11	1	.....	.....	6	2	2	.....	.....	1	1	.....	.....	.....	.....
Middle ear	1,485	1,062	408	15	.....	343	331	151	89	88	60	258	111	28	1	10
Inflammation and abscess (suppurative)	856	752	97	7	.....	247	258	123	53	31	40	60	27	8	.....	2
Scarlet fever	407	384	20	3	.....	88	148	84	34	13	17	16	2	2	.....	.....
Disease of ear	197	166	31	.....	.....	81	44	11	6	8	16	18	10	2	.....	1
Measles	120	101	15	4	.....	33	29	19	8	8	4	12	2	.....	.....	1
Influenza	31	18	13	.....	.....	8	5	2	2	1	.....	4	6	3	.....	.....
Other causes producing suppuration	101	83	18	.....	.....	37	32	7	3	1	3	10	7	1	.....	.....
Catarrhal affections (nonsuppurative)	629	310	311	8	.....	96	73	28	36	57	20	198	84	20	1	8
Catarrh	366	125	238	3	.....	21	20	18	21	36	9	150	64	16	1	7
Colds	98	53	42	3	.....	19	9	1	9	9	6	27	13	1	.....	1
Other catarrhal affections	165	132	31	2	.....	56	44	9	6	12	5	21	7	3	.....	.....
Other causes affecting middle ear	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Internal ear	520	428	89	3	.....	116	138	96	39	23	16	61	18	8	.....	2
Labyrinth affected	75	50	25	.....	.....	11	10	14	6	4	5	18	5	2	.....	.....
Malarial fever and quinine	50	35	15	.....	.....	9	7	8	3	4	4	12	1	2	.....	.....
Other causes affecting labyrinth	25	15	10	.....	.....	2	3	6	3	.....	1	6	4	.....	.....	.....
Nerve affected	437	374	60	3	.....	104	126	82	33	19	10	40	13	5	.....	2
Meningitis	185	179	4	2	.....	45	59	51	16	3	5	2	1	1	.....	.....
Brain fever	103	103	.....	.....	.....	40	36	15	7	2	3	.....	.....	.....	.....	.....
[illegible]	91	54	36	1	.....	6	13	12	10	12	1	30	4	2	.....	.....
[illegible]	58	38	20	.....	.....	13	18	4	.....	2	1	8	8	2	.....	2
[illegible]	3	2	1	.....	.....	.....	1	.....	.....	.....	1	.....	.....	1	.....	.....
[illegible] ear	5	2	3	.....	.....	1	1	.....	.....	.....	.....	3	.....	.....	.....	.....
Unclassified	4,064	3,853	204	7	3,502	111	102	51	27	34	26	141	44	12	.....	7
Congenital	3,502	3,502	.....	.....	3,502	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Old age	2	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....
Military service	64	6	57	1	.....	.....	.....	.....	.....	6	.....	47	7	2	.....	1
Falls and blows	121	108	11	2	.....	29	43	14	10	4	8	8	3	.....	.....	.....
Sickness	95	84	9	2	.....	33	23	12	2	.....	14	9	.....	.....	.....	.....
Fever	65	57	7	1	.....	21	16	11	5	4	.....	7	.....	.....	.....	.....
Hereditary	101	32	69	.....	.....	1	3	7	7	11	3	39	18	7	.....	5
Other causes unclassified	114	64	49	1	.....	27	17	7	3	9	1	31	16	1	.....	1
Unknown	387	209	145	33	.....	45	54	23	23	17	47	80	40	17	1	7

TABLE 30.—THE TOTALLY DEAF (PARENTS NOT COUSINS) FROM EACH CAUSE, CLASSIFIED BY AGE AND PERIOD OF LIFE WHEN DEAFNESS OCCURRED, WITH RESPECT TO THE NUMBER HAVING DEAF RELATIVES OF THE SPECIFIED CLASSES: 1900—Continued.

b OR *c* (NOT *a*) DEAF RELATIVES.

CAUSE OF DEAFNESS.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.			AGE WHEN DEAFNESS OCCURRED.											
					Under 20.							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.
All causes	1,697	1,520	157	20	589	291	348	154	50	48	40	105	37	13		2
External ear	13	10	3			4	2	4				3				
[illegible]	4	2	2					2				2				
[illegible]	4	3	1				1	2				1				
[illegible] ear	5	5				4	1									
Middle ear	507	414	85	8		126	170	56	20	24	18	60	20	4		1
Inflammation and abscess (suppurative)	352	315	32	5		94	138	47	9	14	13	23	6	2		1
Scarlet fever	182	171	10	1		33	86	37	5	5	5	7	2			1
Disease of ear	91	80	8	3		39	29	2	2	5	3	5	2	1		
Measles	34	28	6			9	11	3	1	1	3	6				
Influenza	14	10	4			4	3	2		1		3	1			
Other causes producing suppuration	31	26	4	1		9	9	3	1	2	2	2	1	1		
Catarrhal affections (nonsuppurative)	155	99	53	3		32	32	9	11	10	5	37	14	2		
Catarrh	66	33	33			10	7	2	7	6	1	25	7	1		
Colds	42	27	14	1		10	9	3	1	2	2	8	5	1		
Other catarrhal affections	47	39	6	2		12	16	4	3	2	2	4	2			
Other causes affecting middle ear																
Internal ear	349	329	16	4		99	122	70	20	15	3	13	2	1		
[illegible]	45	39	5	1		20	13	5	1			4	1			
[illegible]	32	27	4	1		16	9	2				3	1			
[illegible]	13	12	1			4	4	3	1			1				
Nerve affected	300	286	11	3		79	106	64	19	15	3	9	1	1		
[illegible]	165	160	2	3		41	65	36	9	6	3	2				
[illegible]	85	84	1			23	34	18	6	3		1				
[illegible]	32	28	4			6	5	9	2	6		4				
[illegible]	18	14	4			9	2	1	2			2	1	1		
Brain center for hearing affected	3	3					3									
Other causes affecting internal ear	1	1						1								
Unclassified	750	718	30	2	589	52	43	16	7	4	7	17	9	4		
Congenital	589	589			589											
Old age	1		1													
Military service	7		7											1		
Falls and blows	42	39	3			15	15	3	3	1	2	6	1			
Sickness	32	29	2	1		9	12	2		2	4	1	2			
Fever	37	36	1			15	12	8	1			1		1		
Hereditary	1		1									1				
Other causes unclassified	41	25	15	1		13	4	3	3	1	1	7	6	2		
Unknown	78	49	23	6		10	11	8	3	5	12	12	6	4		1

TABLE 30.—THE TOTALLY DEAF (PARENTS NOT COUSINS) FROM EACH CAUSE, CLASSIFIED BY AGE AND PERIOD OF LIFE WHEN DEAFNESS OCCURRED, WITH RESPECT TO THE NUMBER HAVING DEAF RELATIVES OF THE SPECIFIED CLASSES: 1900—Continued.

NO *a*, *b*, OR *c* DEAF RELATIVES.

CAUSE OF DEAFNESS.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.			AGE WHEN DEAFNESS OCCURRED.											
					Under 20.							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.
All causes	22,869	20,698	1,927	244	5,540	4,379	5,743	2,875	1,038	567	556	1,130	498	218	34	47
External ear	133	110	23	.....	.....	37	25	21	16	10	1	15	6	2	.....	.....
Impacted cerumen	51	40	11	.....	.....	7	9	7	10	7	.....	8	2	1	.....	.....
Foreign bodies in ear	30	23	7	.....	.....	5	7	6	3	2	.....	4	3	.....	.....	.....
Other causes affecting external ear	52	47	5	.....	.....	25	9	8	3	1	1	3	1	1	.....	.....
Middle ear	7,035	6,170	788	77	.....	1,871	2,345	1,166	380	206	202	448	229	85	11	15
Inflammation and abscess (suppurative)	5,317	5,034	226	57	.....	1,447	2,037	1,041	262	98	149	134	53	27	7	5
Scarlet fever	3,119	3,010	76	33	.....	526	1,369	827	177	41	70	57	13	3	.....	3
Disease of ear	884	821	49	14	.....	425	257	44	36	18	41	26	14	6	3	.....
Measles	679	635	35	9	.....	260	228	90	21	17	19	23	8	1	1	2
Influenza	200	162	38	.....	.....	68	42	29	12	6	5	9	13	13	3	.....
Other causes producing suppuration	435	406	28	1	.....	168	141	51	16	16	14	19	5	4	.....	.....
Catarrhal affections (nonsuppurative)	1,717	1,135	562	20	.....	424	307	125	118	108	53	314	176	58	4	10
Catarrh	795	382	400	13	.....	109	78	48	63	64	20	214	135	40	3	8
Colds	357	251	103	3	.....	89	76	23	23	22	18	64	25	12	1	1
Other catarrhal affections	565	502	59	4	.....	226	153	54	32	22	15	36	16	6	.....	1
Other causes affecting middle ear	1	1	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Internal ear	6,193	5,842	322	29	.....	1,551	2,303	1,272	419	201	96	212	69	33	2	6
[illegible]	457	359	96	2	.....	78	140	75	32	25	9	64	20	10	.....	2
[illegible]	305	248	56	1	.....	67	102	38	16	17	8	39	12	4	.....	1
[illegible]rinth	152	111	40	1	.....	11	38	37	16	8	1	25	8	6	.....	1
Nerve affected	5,627	5,391	210	26	.....	1,430	2,134	1,190	383	174	80	139	46	21	1	3
[illegible]	3,009	2,955	45	9	.....	709	1,245	639	229	92	41	42	3	.....	.....	.....
[illegible]	1,411	1,392	14	5	.....	443	524	294	84	32	15	12	2	.....	.....	.....
Typhoid fever	700	622	71	7	.....	83	228	205	58	39	9	54	14	2	.....	1
[illegible]	507	422	80	5	.....	195	137	52	12	11	15	31	27	19	1	2
[illegible]	78	75	2	1	.....	38	24	7	1	1	4	1	.....	.....	.....	1
[illegible] ear	31	17	14	.....	.....	5	5	.....	3	1	3	8	3	2	1	.....
Unclassified	8,492	7,885	564	43	5,540	750	875	327	165	121	107	363	109	52	20	20
Congenital	5,538	5,538	.....	.....	5,538	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Old age	49	.....	49	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	22	16	11
Military service	264	36	221	7	.....	.....	.....	.....	.....	36	.....	177	32	5	1	6
Falls and blows	738	667	64	7	.....	205	267	98	39	22	36	43	17	4	.....	.....
Sickness	710	652	45	13	.....	212	260	82	35	22	41	19	18	5	1	2
Fever	557	509	38	10	.....	144	214	80	38	18	15	25	10	3	.....	.....
Hereditary	4	1	3	.....	.....	.....	.....	.....	.....	.....	1	2	1	.....	.....	.....
Other causes unclassified	632	482	144	6	2	189	134	67	53	23	14	97	31	13	2	1
Unknown	1,016	691	230	95	.....	170	195	89	58	29	150	92	85	46	1	6

TABLE 30.—THE TOTALLY DEAF (PARENTS NOT COUSINS) FROM EACH CAUSE, CLASSIFIED BY AGE AND PERIOD OF LIFE WHEN DEAFNESS OCCURRED, WITH RESPECT TO THE NUMBER HAVING DEAF RELATIVES OF THE SPECIFIED CLASSES: 1900—Continued.

DEAF RELATIVES NOT STATED.

CAUSE OF DEAFNESS.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.			AGE WHEN DEAFNESS OCCURRED.											
					Under 20.							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.
All causes	510	380	92	38	174	48	74	31	24	10	19	36	25	10	4	17
External ear	6	4	1	1			1	1	2			1				
Impacted cerumen	3	2		1				1	1							
Foreign bodies in ear	1		1									1				
Other causes affecting external ear	2	2					1		1							
Middle ear	123	91	32			20	32	13	9	6	11	17	9	1	1	4
Inflammation and abscess (suppurative)	78	66	12			15	27	11	6	3	4	8	2			2
Scarlet fever	29	26	3			3	13	4	3	1	2	2	1			
Disease of ear	24	18	6			7	6	1	2	1	1	3	1			2
Measles	10	9	1				4	3	1		1	1				
Influenza	3	3				3										
Other causes producing suppuration	12	10	2			2	4	3		1		2				
Catarrhal affections (nonsuppurative)	45	25	20			5	5	2	3	3	7	9	7	1	1	2
Catarrh	23	12	11			3	1	1	2	3	2	3	5	1	1	1
Colds	11	5	6				2		1		2	4	1			1
Other catarrhal affections	11	8	3			2	2	1			3	2	1			
Other causes affecting middle ear																
Internal ear	74	59	11	4		18	21	10	8	1	1	6	3	2		
Labyrinth affected	9	3	3	3			1	1	1			2		1		
Malarial fever and quinine	7	2	2	3			1	1				1		1		
Other causes affecting labyrinth	2	1	1						1			1				
Nerve affected	63	56	6	1		18	20	9	7	1	1	4	1	1		
Meningitis	28	27	1			9	8	5	4	1		1				
Brain fever	18	16	2			6	6	2	2			2				
Typhoid fever	5	5				1	3	1								
[illegible]	[illegible]	8	3	1		2	3	1	1		1	1	1	1		
[illegible]																
[illegible] ear	2		2										2			
Unclassified	232	205	24	3	174	7	12	4	4	3	1	7	7	3	1	6
Congenital	174	174			174											
Old age	6		6													
Military service	6	1	5											1	1	4
Falls and blows	16	11	5			3	6		2	1		1	3			1
Sickness	10	7	2	1			2	2	1	2		2	1	2		
Fever	8	8				2	4	2				1	1			
Hereditary	3	1	1	1					1							
Other causes unclassified	9	3	5	1		2					1	3	1			1
Unknown	75	21	24	30		3	8	3	1		6	5	6	4	2	7

TABLE 31.—THE TOTALLY DEAF (CONSANGUINITY OF PARENTS NOT STATED) FROM EACH CAUSE, CLASSIFIED BY AGE AND PERIOD OF LIFE WHEN DEAFNESS OCCURRED, WITH RESPECT TO THE NUMBER HAVING DEAF RELATIVES OF THE SPECIFIED CLASSES: 1900.

a DEAF RELATIVES.

CAUSE OF DEAFNESS.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.			AGE WHEN DEAFNESS OCCURRED.											
					Under 20.							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.
All causes	500	445	32	23	307	38	48	16	10	5	21	17	7	5		3
External ear	1		1									1				
Impacted cerumen																
Foreign bodies in ear																
Other causes affecting external ear	1		1									1				
Middle ear	80	65	8	7		23	21	10	5	1	5	4	2	1		1
Inflammation and abscess (suppurative)	58	50	4	4		16	15	10	4		5	2	2			
Scarlet fever	36	33	1	2		7	12	6	3		5	1				
Disease of ear	11	9	1	1		5	3	1				1				
Measles	9	8		1		4		3	1							
Influenza	2		2										2			
Other causes producing suppuration																
Catarrhal affections (nonsuppurative)	22	15	4	3		7	6		1	1		2		1		1
Catarrh	6	3	1	2		1	1			1		1				
Colds	6	4	1	1		1	2		1			1				
Other catarrhal affections	10	8	2			5	3							1		1
Other causes affecting middle ear																
Internal ear	25	23	2			8	7	2	4		2	2				
Labyrinth affected	3	3					2				1					
Malarial fever and quinine	1	1									1					
Other causes affecting labyrinth	2	2					2									
Nerve affected	22	20	2			8	5	2	4		1	2				
Meningitis	9	9				3	2	2	1		1					
Brain fever	3	3				2	1									
Typhoid fever	6	5	1			1	2		2			1				
Other causes affecting nerve	4	3	1			2			1			1				
Brain center for hearing affected																
Other causes affecting internal ear																
Unclassified	347	335	9	3	307	6	15	2		2	3	6		3		
Congenital	307	307			307											
Old age	1		1											1		
Military service	3		2	1								2				
Falls and blows	9	8		1		3	4				1					
Sickness	9	8		1		1	4	1			2					
Fever	6	6					5	1								
Hereditary	5	2	3							2		3				
Other causes unclassified	7	4	3			2	2					1		2		
Unknown	47	22	12	13		1	5	2	1	2	11	4	5	1		2

TABLE 31.—THE TOTALLY DEAF (CONSANGUINITY OF PARENTS NOT STATED) FROM EACH CAUSE, CLASSIFIED BY AGE AND PERIOD OF LIFE WHEN DEAFNESS OCCURRED, WITH RESPECT TO THE NUMBER HAVING DEAF RELATIVES OF THE SPECIFIED CLASSES: 1900—Continued.

b OR *c* (NOT *a*) DEAF RELATIVES.

CAUSE OF DEAFNESS.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.			AGE WHEN DEAFNESS OCCURRED.											
					Under 20.							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.
All causes	81	70	8	3	41	12	12	4			1	5	3			
External ear																
Impacted cerumen																
Foreign bodies in ear																
Other causes affecting external ear																
Middle ear	17	14	3			5	7	2				2	1			
Inflammation and abscess (suppurative)	11	11				4	5	2								
Scarlet fever	5	5				1	2	2								
Disease of ear	4	4				3	1									
Measles	2	2					2									
Influenza																
Other causes producing suppuration																
Catarrhal affections (nonsuppurative)	6	3	3			1	2					2	1			
Catarrh	4	1	3			1						2	1			
Colds																
Other catarrhal affections	2	2					2									
Other causes affecting middle ear																
Internal ear	6	4	2			1	1	2				1	1			
Labyrinth affected	2		2									1	1			
Malarial fever and quinine	2		2									1	1			
Other causes affecting labyrinth																
Nerve affected	4	4				1	1	2								
Meningitis	3	3				1	1	1								
Brain fever																
[illegible]																
[illegible]								1								
[illegible]																
[illegible] ear																
Unclassified	51	49	1	1	41	5	2				1		1			
Congenital	41	41			41											
Old age																
Military service																
Falls and blows	2	2				1	1									
Sickness	4	2	1	1		1					1		1			
Fever	1	1					1									
[illegible]																
[illegible]						3										
Unknown	7	3	2	2		1	2					2				

.E 31.—THE TOTALLY DEAF (CONSANGUINITY OF PARENTS NOT STATED) FROM EACH CAUSE, CLASSIFIED BY AGE AND PERIOD OF LIFE WHEN DEAFNESS OCCURRED, WITH RESPECT TO THE NUMBER HAVING DEAF RELATIVES OF THE SPECIFIED CLASSES: 1900—Continued.

NO *a*, *b*, OR *c* DEAF RELATIVES.

CAUSE OF DEAFNESS.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.			AGE WHEN DEAFNESS OCCURRED.											
					Under 20.							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.
All causes	711	603	82	26	244	75	133	71	34	18	28	32	27	11	2	10
rnal ear	5	5					2	2	1							
npacted cerumen	1	1					1									
oreign bodies in ear	2	2						1	1							
ther causes affecting external ear	2	2					1	1								
le ear	162	132	26	4		23	58	27	11	6	7	14	9	3		
nflammation and abscess (suppurative)	115	104	9	2		18	46	25	9	2	4	6	2	1		
Scarlet fever	72	68	3	1		8	30	22	6	1	1	3				
Disease of ear	13	13				5	5	1	1	1						
Measles	15	14	1			3	5	2	1		3	1				
Influenza	2		2										1	1		
[illegible]	13	9	3	1		2	6		1			2	1			
rative)	47	28	17	2		5	12	2	2	4	3	8	7	2		
Catarrh	15	6	7	2			2		1	2	1	3	3	1		
Colds	14	7	7			2	2	2		1		2	4	1		
Other catarrhal affections	18	15	3			3	8		1	1	2	3				
ther causes affecting middle ear																
nal ear	116	102	9	5		28	35	23	7	4	5	5	3	1		
abyrinth affected	14	11	3			2	3		3	1	2	3				
Malarial fever and quinine	6	3	3			1	1			1		3				
Other causes affecting labyrinth	8	8				1	2		3		2					
erve affected	100	89	6	5		24	32	23	4	3	3	2	3	1		
Meningitis	40	37	1	2		6	19	10	2				1			
Brain fever	27	26	1			10	8	4	2	1	1		1			
[illegible]	21	17	2	2		3	3	8		1	2	2				
[illegible]	12	9	2	1		5	2	1		1			1	1		
[illegible]	2	2				2										
ear																
assified	359	323	32	4	244	18	29	11	10	5	6	8	10	6	1	7
ongenital	244	244			244											
ld age	9		9											2	1	6
ilitary service	1		1									1				
alls and blows	25	20	5			4	9	4	2	1		1	3			1
ickness	34	30		4		7	10	5	3	1	4					
ever	20	16	4			6	4	1	2	2	1	1	2	1		
ereditary																
ther causes unclassified	26	13	13			1	6	1	3	1	1	5	5	3		
nown	69	41	15	13		6	9	8	5	3	10	5	5	1	1	3

TABLE 31.—THE TOTALLY DEAF (CONSANGUINITY OF PARENTS NOT STATED) FROM EACH CAUSE, CLASSIFIED BY AGE AND PERIOD OF LIFE WHEN DEAFNESS OCCURRED, WITH RESPECT TO THE NUMBER HAVING DEAF RELATIVES OF THE SPECIFIED CLASSES: 1900—Continued.

DEAF RELATIVES NOT STATED.

CAUSE OF DEAFNESS.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.			AGE WHEN DEAFNESS OCCURRED.											
					Under 20.							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.
All causes	2,649	1,418	268	363	687	174	226	127	45	25	134	103	45	49	15	56
External ear	9	3	5	1		2	1						2	1	1	1
Impacted cerumen	3	1	1	1		1										1
Foreign bodies in ear	2	1	1			1							1			
Other causes affecting external ear	4	1	3				1						1	1	1	
Middle ear	313	237	61	15		57	77	52	13	13	25	33	15	10	1	2
Inflammation and abscess (suppurative)	217	188	19	10		42	68	46	11	2	19	11	3	3	1	1
Scarlet fever	130	119	5	6		18	43	39	7		12	4				1
Disease of ear	31	19	8	4		4	8	1	1		5	4	3	1		
Measles	31	29	2			13	9	3	2	1	1	2				
Influenza	6	3	3			2	1					1		1	1	
[illegible]	19	18	1			5	7	3	1	1	1			1		
[illegible]	96	49	42	5		15	9	6	2	11	6	22	12	7		1
Catarrh	42	14	26	2		3	1	2		4	4	17	6	2		1
Colds	26	15	10	1		2	5	2		5	1	3	4	3		
Other catarrhal affections	28	20	6	2		10	3	2	2	2	1	2	2	2		
Other causes affecting middle ear																
Internal ear	237	199	26	12		62	72	29	13	2	11	12	6	6	1	1
Labyrinth affected	23	8	9	6		4	2		1		1	5		3		1
Malarial fever and quinine	11	6	4	1		4	1		1			2		2		
Other causes affecting labyrinth	12	2	5	5			1				1	3		1		1
Nerve affected	204	183	16	5		56	69	38	12	2	6	6	6	3	1	
Meningitis	99	97	1	1		29	41	19	6		2	1				
Brain fever	52	49	2	1		17	15	12	4		1	1	1			
Typhoid fever	28	23	4	1		3	9	7		2	2	1	3			
Other causes affecting nerve	25	14	9	2		7	4		2		1	3	2	3	1	
Brain center for hearing affected	7	7				2	1				4					
Other causes affecting internal ear	3	1	1	1				1				1				
Unclassified	947	825	103	19	687	33	43	28	10	8	16	36	9	19	7	32
Congenital	687	687			687											
Old age	46		46											13	7	26
Military service	21		20	1								15	2			3
Falls and blows	42	32	6	4		11	9	8	2	1	1	2	2	1		1
Sickness	67	55	7	5		9	16	10	6	2	12	4	1	1		1
Fever	32	27	3	2		7	12	4	2		2	2	1			
Hereditary	1		1										1			
Other causes unclassified	51	24	20	7		6	6	6		5	1	13	2	4		1
Unknown	543	154	73	316		20	33	8	9	2	82	22	13	13	5	20

TABLE 32.—THE PARTIALLY DEAF (PARENTS COUSINS) FROM EACH CAUSE, CLASSIFIED BY AGE AND PERIOD OF LIFE WHEN DEAFNESS OCCURRED, WITH RESPECT TO THE NUMBER HAVING DEAF RELATIVES OF THE SPECIFIED CLASSES: 1900.

a DEAF RELATIVES.

CAUSE OF DEAFNESS.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.			AGE WHEN DEAFNESS OCCURRED.											
					Under 20.							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.
All causes	664	361	287	16	102	18	62	48	57	51	23	157	83	39	2	6
External ear	6	2	4					2				3	1			
Impacted cerumen	2	1	1					1				1				
Foreign bodies in ear	2		2									1	1			
Other causes affecting external ear	2	1	1					1				1				
Middle ear	301	156	141	4		9	41	26	33	34	13	88	40	11	1	1
Inflammation and abscess (suppurative)	132	86	44	2		5	28	18	17	12	6	29	13	2		
Scarlet fever	47	39	7	1		2	15	9	9	3	1	7				
Disease of ear	43	27	16			2	6	6	5	5	3	10	5	1		
Measles	15	12	3				3	2	3	4		3				
Influenza	11	2	9			1					1	3	5	1		
[illegible]	16	6	9	1			4	1			1	6	3			
[illegible] rative)	169	70	97	2		4	13	8	16	22	7	59	27	9	1	1
Catarrh	118	41	77			1	4	3	9	20	4	47	20	9	1	
Colds	22	12	10				5	2	4		1	6	3			1
Other catarrhal affections	29	17	10	2		3	4	3	3	2	2	6	4			
Other causes affecting middle ear																
Internal ear	40	21	18	1		3	5	2	10	1		11	4	3		
Labyrinth affected	17	7	10			1	1		4	1		7	2	1		
Malarial fever and quinine	11	4	7			1	1		2			5	1	1		
Other causes affecting labyrinth	6	3	3						2	1		2	1			
Nerve affected	23	14	8	1		2	4	2	6			4	2	2		
Meningitis	4	3	1			1	1		1			1				
Brain fever	3	2	1				1	1						1		
Typhoid fever	11	7	3	1			1	1	5			2	1			
[illegible]	[illegible]	2	3			1	1					1	1	1		
[illegible]																
[illegible] ear																
Unclassified	235	150	79	6	102	4	11	13	6	12	2	39	24	13	1	2
Congenital	102	102			102											
Old age	6		6											5	1	
Military service	11	1	10							1		7	2			1
Falls and blows	16	11	5			1	1	4		5		2	2	1		
Sickness	11	4	6	1			1	1	1		1	3	2			1
Fever	13	8	5			2	2	2	1	1		3	2			
Hereditary	47	14	29	4			3	3	4	3	1	12	12	5		
Other causes unclassified	29	10	18	1		1	4	3		2		12	4	2		
Unknown	82	32	45	5		2	5	5	8	4	8	16	14	12		3

TABLE 32.—THE PARTIALLY DEAF (PARENTS COUSINS) FROM EACH CAUSE, CLASSIFIED BY AGE AND PERIOD OF LIFE WHEN DEAFNESS OCCURRED, WITH RESPECT TO THE NUMBER HAVING DEAF RELATIVES OF THE SPECIFIED CLASSES: 1900—Continued.

b OR *c* (NOT *a*) DEAF RELATIVES.

CAUSE OF DEAFNESS.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.			AGE WHEN DEAFNESS OCCURRED.											
					Under 20.							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.
All causes	682	376	289	17	63	47	92	68	43	42	21	140	80	48	8	13
External ear	6	3	3				2	1				2	1			
[illegible]	1		1									1				
[illegible]	2	1	1					1					1			
[illegible] ear	3	2	1				2					1				
Middle ear	344	187	150	7		23	53	47	26	26	12	84	44	19	1	2
Inflammation and abscess (suppurative)	173	131	42			15	44	36	15	13	8	23	11	7		1
Scarlet fever	57	50	7			4	25	17	4			6		1		
Disease of ear	53	40	13			6	7	12	5	4	6	8	4	1		
Measles	24	17	7			3	4	5	2	3		5	1	1		
Influenza	16	6	10			1	2		1	2			5	4		1
Other causes producing suppuration	23	18	5			1	6	2	3	4	2	4	1			
Catarrhal affections (not suppurative)	171	56	108	7		8	9	11	11	13	4	61	33	12	1	1
Catarrh	116	30	80	6		3	3	6	7	9	2	42	27	10	1	
Colds	28	10	18			1	2	1	3	2	1	13	2	2		1
Other catarrhal affections	27	16	10	1		4	4	4	1	2	1	6	4			
Other causes affecting middle ear																
Internal ear	73	45	28			10	14	8	5	7	1	16	7	4	1	
Labyrinth affected	28	11	17			3	1	2	2	2	1	10	4	3		
Malarial fever and quinine	22	10	12			3	1	2	2	2		7	2	3		
Other causes affecting labyrinth	6	1	5								1	3	2			
Nerve affected	44	33	11			7	12	6	3	5		6	3	1	1	
Meningitis	7	7				1	3	3								
Brain fever	10	8	2			1	6	1				1	1			
Typhoid fever	17	13	4			2	3	1	3	4		2	2			
Other causes affecting nerve	10	5	5			3		1		1		3		1	1	
Brain center for hearing affected	1	1					1									
Other causes affecting internal ear																
Unclassified	186	118	66	2	63	12	19	8	7	6	3	24	13	15	5	9
Congenital	63	63			63											
Old age	25		25											11	5	9
Military service	18		18									12	6			
Falls and blows	18	15	2	1		6	6	1	1		1			2		
Sickness	23	19	4			4	6	5	2	2		1	2	1		
Fever	14	11	2	1		1	4	1	2	3		2				
Hereditary																
Other causes unclassified	25	10	15			1	3	1	2	1	2	9	5	1		
Unknown	73	23	42	8		2	4	4	5	3	5	14	15	10	1	2

TABLE 32.—THE PARTIALLY DEAF (PARENTS COUSINS) FROM EACH CAUSE, CLASSIFIED BY AGE AND PERIOD OF LIFE WHEN DEAFNESS OCCURRED, WITH RESPECT TO THE NUMBER HAVING DEAF RELATIVES OF THE SPECIFIED CLASSES: 1900—Continued.

NO *a*, *b*, OR *c* DEAF RELATIVES.

CAUSE OF DEAFNESS.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.			AGE WHEN DEAFNESS OCCURRED.											
					Under 20.							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.
All causes	127	64	57	6	10	5	15	11	13	6	4	31	21	2	1	2
External ear	3	2	1				1		1				1			
Impacted cerumen																
Foreign bodies in ear	1	1					1									
Other causes affecting external ear	2	1	1						1				1			
Middle ear	64	30	32	2		2	7	8	9	3	1	20	8	2		2
Inflammation and abscess (suppurative)	31	23	8			2	5	7	7	2		7	1			
Scarlet fever	11	9	2			1	3	4	1			2				
Disease of ear	8	6	2			1	1	1	2	1		2				
Measles	8	6	2					2	3	1		2				
Influenza	2		2									1	1			
[illegible]	2	2					1		1							
[illegible] rative)	33	7	24	2			2	1	2	1	1	13	7	2		2
Catarrh	26	5	20	1			2	1	1	1		10	6	2		2
Colds	4	1	3								1	2	1			
Other catarrhal affections	3	1	1	1					1			1				
Other causes affecting middle ear																
Internal ear	10	9	7			1	4	1	1	2		5	2			
[illegible]	9	4	5				2			2		4	1			
[illegible]	8	4	4				2			2		4				
[illegible]	1		1										1			
Nerve affected	7	5	2			1	2	1	1			1	1			
[illegible]							1									
[illegible]							1	1	1			1	1			
[illegible]						1										
[illegible]																
[illegible] ear																
Unclassified	27	18	7	2	10	2	2	1	2		1	3	3		1	
Congenital	10	10			10											
Old age	1		1												1	
Military service																
Falls and blows	4	3	1			1	1		1			1				
Sickness	2	1	1						1				1			
Fever	1	1				1										
Hereditary	3	1	1	1				1				1				
Other causes unclassified	6	2	3	1			1				1	1	2			
Unknown	17	5	10	2			1	1		1	2	3	7			

TABLE 32.—THE PARTIALLY DEAF (PARENTS COUSINS) FROM EACH CAUSE, CLASSIFIED BY AGE AND PERIOD OF LIFE WHEN DEAFNESS OCCURRED, WITH RESPECT TO THE NUMBER HAVING DEAF RELATIVES OF THE SPECIFIED CLASSES: 1900—Continued.

DEAF RELATIVES NOT STATED.

CAUSE OF DEAFNESS.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.			AGE WHEN DEAFNESS OCCURRED.											
					Under 20.							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.
All causes	67	34	28	5	10	2	9	5	3	2	3	7	4	13	1	3
External ear	2	1		1				1								
Impacted cerumen																
Foreign bodies in ear																
Other causes affecting external ear	2	1		1				1								
Middle ear	24	14	9	1		1	4	4	3		2	2	1	5	1	
Inflammation and abscess (suppurative)	16	11	4	1		1	2	3	3		2	1		2	1	
Scarlet fever	5	4		1			1	2	1							
Disease of ear	8	6	2			1		1	2		2			1	1	
Measles	1	1					1									
Influenza	1		1											1		
Other causes producing suppuration	1		1									1				
Catarrhal affections (nonsuppurative)	8	3	5				2	1				1	1	3		
Catarrh	7	3	4				2	1				1	1	2		
Colds	1		1											1		
Other catarrhal affections																
Other causes affecting middle ear																
Internal ear	4	3	1				2				1	1				
Labyrinth affected	1	1					1									
Malarial fever and quinine	1	1					1									
Other causes affecting labyrinth																
Nerve affected	3	2	1				1				1	1				
[illegible]																
[illegible]		1					1									
[illegible]		1	1								1	1				
[illegible]																
[illegible]																
[illegible] ear																
Unclassified	27	14	13		10	1	1			2		3	3	6		1
Congenital	10	10			10											
Old age	5		5											4		1
Military service	2	1	1							1		1				
Falls and blows	2	1	1			1							1			
Sickness	3	1	2				1						1	1		
Fever	2	1	1							1		1				
Hereditary																
Other causes unclassified	3		3									1	1	1		
Unknown	1	2	5	3			2					1		2		2

TABLE 33.—THE PARTIALLY DEAF (PARENTS NOT COUSINS) FROM EACH CAUSE, CLASSIFIED BY AGE AND PERIOD OF LIFE WHEN DEAFNESS OCCURRED, WITH RESPECT TO THE NUMBER HAVING DEAF RELATIVES OF THE SPECIFIED CLASSES: 1900.

a DEAF RELATIVES.

CAUSE OF DEAFNESS.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.			AGE WHEN DEAFNESS OCCURRED.											
					Under 20.							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.
All causes	12,354	4,069	8,051	234	459	171	485	666	943	1,050	295	4,392	2,236	1,051	91	281
External ear	139	71	66	2	.....	1	6	10	27	23	4	39	13	9	.....	5
Impacted cerumen	69	39	29	1	.....	.....	2	2	17	16	2	18	5	4	.....	2
Foreign bodies in ear	48	23	24	1	.....	1	1	7	7	6	1	15	5	2	.....	2
Other causes affecting external ear	22	9	13	.....	.....	.....	3	1	3	1	1	6	3	3	.....	1
Middle ear	6,729	2,424	4,206	99	.....	117	359	482	652	641	173	2,474	1,213	395	21	103
[illegible]	2,367	1,357	978	32	.....	80	278	318	335	237	109	549	277	130	5	17
[illegible]	669	557	102	10	.....	31	133	164	129	58	42	78	19	.....	.....	5
Disease of ear	722	394	312	16	.....	34	78	70	94	67	51	186	96	27	.....	3
Measles	368	241	125	2	.....	3	35	48	80	67	8	99	21	2	.....	3
Influenza	343	50	291	2	.....	1	11	12	8	15	3	93	105	84	4	5
[illegible]	265	115	148	2	.....	11	21	24	24	30	5	93	36	17	1	1
[illegible]	4,361	1,067	3,227	67	.....	37	81	164	317	404	64	1,925	935	265	16	86
Catarrh	3,383	761	2,573	49	.....	15	40	101	247	311	47	1,543	747	205	8	70
Colds	536	147	375	14	.....	10	16	21	38	57	5	227	94	40	6	8
Other catarrhal affections	442	159	279	4	.....	12	25	42	32	36	12	155	94	20	2	8
Other causes affecting middle ear	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....
Internal ear	947	291	646	10	.....	16	35	53	78	97	12	434	161	42	1	8
Labyrinth affected	450	109	335	6	.....	3	3	15	35	47	6	214	91	26	1	3
Malarial fever and quinine	277	72	203	2	.....	3	3	7	25	29	5	134	57	10	1	1
Other causes affecting labyrinth	173	37	132	4	.....	.....	.....	8	10	18	1	80	34	16	.....	2
Nerve affected	488	179	306	3	.....	13	32	37	43	48	6	217	69	15	.....	5
Meningitis	41	28	13	.....	.....	9	7	3	7	2	.....	8	4	.....	.....	1
Brain fever	36	25	11	.....	.....	2	13	6	1	2	1	10	1	.....	.....	.....
Typhoid fever	301	106	194	1	.....	1	10	26	31	36	2	155	33	4	.....	2
Other causes affecting nerve	110	20	88	2	.....	1	2	2	4	8	3	44	31	11	.....	2
Brain center for hearing affected	6	2	3	1	.....	.....	.....	1	.....	1	.....	2	1	.....	.....	.....
Other causes affecting internal ear	3	1	2	.....	.....	.....	.....	.....	.....	1	.....	1	.....	1	.....	.....
Unclassified	2,771	915	1,819	37	459	26	44	71	104	175	36	893	412	361	60	93
Congenital	459	459	.....	.....	459	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Old age	311	.....	311	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	216	58	37
Military service	370	40	317	13	.....	.....	.....	.....	1	38	1	257	46	6	.....	8
Falls and blows	168	86	80	2	.....	6	9	25	24	13	9	46	17	15	.....	2
Sickness	191	55	134	2	.....	8	10	9	13	9	6	79	35	19	.....	1
Fever	111	53	56	2	.....	3	8	9	14	18	1	35	16	5	.....	.....
Hereditary	635	129	490	16	.....	1	5	13	34	61	15	236	167	50	2	35
Other causes unclassified	526	93	431	2	.....	8	12	15	18	36	4	240	131	50	.....	10
Unknown	1,768	368	1,314	86	.....	11	41	50	82	114	70	552	437	244	9	72

TABLE 33.—THE PARTIALLY DEAF (PARENTS NOT COUSINS) FROM EACH CAUSE, CLASSIFIED BY AGE AND PERIOD OF LIFE WHEN DEAFNESS OCCURRED, WITH RESPECT TO THE NUMBER HAVING DEAF RELATIVES OF THE SPECIFIED CLASSES: 1900—Continued.

b OR *c* (NOT *a*) DEAF RELATIVES.

CAUSE OF DEAFNESS.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.			AGE WHEN DEAFNESS OCCURRED.											
					Under 20.							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.
All causes	27,891	9,670	17,363	858	925	980	1,933	2,044	1,535	1,571	682	7,601	4,612	3,614	615	921
External ear	392	191	191	10	.....	14	35	40	44	50	8	88	65	34	.....	4
Impacted cerumen	163	88	70	5	.....	1	5	15	28	35	4	38	20	10	.....	2
Foreign bodies in ear	148	66	80	2	.....	4	18	18	10	14	2	37	34	9	.....	.....
Other causes affecting external ear	81	37	41	3	.....	9	12	7	6	1	2	13	11	15	.....	2
Middle ear	13,094	5,378	7,409	307	.....	568	1,257	1,384	957	843	369	3,598	2,136	1,364	102	209
Inflammation and abscess (suppurative)	5,828	3,705	2,014	109	.....	431	990	1,085	589	351	259	930	530	458	47	49
Scarlet fever	2,002	1,812	155	35	.....	138	556	647	268	102	101	123	22	5	.....	5
Disease of ear	1,541	882	628	31	.....	168	193	182	131	97	111	310	173	107	15	23
Measles	881	632	239	10	.....	66	141	172	121	104	28	196	33	4	.....	6
[illegible]	841	99	719	23	.....	17	20	26	21	12	3	155	211	311	31	11
[illegible]	563	280	273	10	.....	42	80	58	48	36	16	146	91	31	1	4
Catarrhal affections (nonsuppurative)	7,265	1,673	5,394	198	.....	137	267	299	368	492	110	2,668	1,605	906	55	160
Catarrh	4,972	958	3,877	137	.....	48	112	173	233	325	67	1,963	1,126	637	38	113
Colds	1,463	337	1,081	45	.....	29	55	43	75	113	22	504	335	200	11	31
Other catarrhal affections	830	378	436	16	.....	60	100	83	60	54	21	201	144	69	6	16
Other causes affecting middle ear	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....
Internal ear	2,748	1,064	1,624	60	.....	176	249	210	193	205	31	811	510	240	24	39
[illegible]	1,209	270	896	43	.....	21	32	45	68	92	12	425	306	133	9	23
[illegible]	676	182	486	8	.....	19	26	35	42	53	7	240	162	71	7	6
[illegible]rinth	533	88	410	35	.....	2	6	10	26	39	5	185	144	62	2	17
Nerve affected	1,502	775	711	16	.....	151	214	162	124	108	16	382	198	103	13	15
Meningitis	288	257	31	.....	.....	66	88	54	33	12	4	25	5	1	.....	.....
Brain fever	187	153	31	3	.....	38	59	33	15	7	1	19	10	1	1	.....
Typhoid fever	633	249	377	7	.....	13	34	55	66	78	3	265	83	26	1	2
Other causes affecting nerve	394	116	272	6	.....	34	33	20	10	11	8	73	100	75	11	13
Brain center for hearing affected	19	11	7	1	.....	2	.....	3	1	3	2	3	2	1	.....	1
Other causes affecting internal ear	18	8	10	.....	.....	2	3	.....	.....	2	1	1	4	3	2	.....
Unclassified	8,044	2,200	5,633	121	925	180	258	284	210	330	94	2,377	980	1,313	437	526
Congenital	925	925			925											
Old age	1,744	.....												.....	.....	.....
Military service	2,073	167												924	411	409
Falls and blows	772	387												50	1	72
Sickness	672	293												66	5	8
Fever	425	233												83	8	17
Hereditary	14	2	11	1	.....	1	.....	.....	1	.....	.....	4	4	21	4	5
Other causes unclassified	1,419	283	1,112	24	.....	45	55	63	47	56	17	572	351	3	.....	.....
Unknown	3,613	747	2,506	360	.....	42	134	126	131	134	180	727	921	166	8	15
														663	52	143

TABLE 33.—THE PARTIALLY DEAF (PARENTS NOT COUSINS) FROM EACH CAUSE, CLASSIFIED BY AGE AND PERIOD OF LIFE WHEN DEAFNESS OCCURRED, WITH RESPECT TO THE NUMBER HAVING DEAF RELATIVES OF THE SPECIFIED CLASSES: 1900—Continued.

NO *a*, *b*, OR *c* DEAF RELATIVES.

CAUSE OF DEAFNESS.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.			AGE WHEN DEAFNESS OCCURRED.											
					Under 20.							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.
All causes	2,344	947	1,352	45	97	87	159	163	169	207	65	789	337	162	12	52
External ear	38	23	15			1		3	12	6	1	11	2	2		
Impacted cerumen	21	12	9					1	7	4		8	1			
Foreign bodies in ear	14	8	6			1		2	3	1	1	3	1	2		
Other causes affecting external ear	3	3							2	1						
Middle ear	1,319	560	735	24		52	122	112	110	119	45	462	175	73		25
[illegible]	504	334	164	6		32	88	76	62	48	28	102	35	21		6
[illegible]	171	146	20	5		6	47	40	30	10	13	13	4	1		2
[illegible]	163	107	56			19	25	21	17	13	12	34	11	8		3
Measles	79	54	25			3	12	12	10	15	2	22	3			
[illegible]	52	9	43			1	1		3	3	1	18	13	12		
[illegible]	39	18	20	1		3	3	3	2	7		15	4			1
Catarrhal affections (nonsuppurative)	814	226	570	18		20	34	36	48	71	17	359	140	52		19
Catarrh	606	144	449	13		6	15	20	37	53	13	292	102	38		17
Colds	108	36	69	3		6	3	6	5	13	3	37	20	10		2
[illegible]	100	46	52	2		8	16	10	6	5	1	30	18	4		
Other [illegible] ear	1		1									1				
Internal ear	201	88	113			15	11	20	17	23	2	71	32	7	1	2
[illegible]	87	28	59			1	4	3	9	10	1	39	14	5		1
[illegible]	57	23	34			1	4	3	7	7	1	25	7	2		
[illegible]rinth	30	5	25						2	3		14	7	3		1
Nerve affected	112	59	53			14	6	17	8	13	1	32	17	2	1	1
[illegible]	18	14	4			7	2	5				3	1			
[illegible]	14	13	1			4	1	5	1	2		1				
[illegible]	53	26	27			2	2	6	6	9	1	17	9			1
[illegible]	27	6	21			1	1	1	1	2		11	7	2	1	
[illegible]	1	1					1									
[illegible] ear	1		1										1			
Unclassified	505	212	289	4	97	18	16	15	19	41	6	155	55	51	9	19
Congenital	97	97			97											
Old age	50		50											30	9	11
Military service	66	12	54							12		45	7	1		1
Falls and blows	51	29	22			5	4	5	6	7	2	14	5	2		1
Sickness	50	15	31	4		3	4	3	1	3	1	20	6	3		2
Fever	40	23	17			6	3	5	4	4	1	11	4			2
Hereditary	27	10	17				1	1	3	4	1	6	5	6		
Other causes unclassified	124	26	98			4	4	1	5	11	1	59	28	9		2
Unknown	281	64	200	17		1	10	13	11	18	11	90	73	29	2	6

TABLE 33.—THE PARTIALLY DEAF (PARENTS NOT COUSINS) FROM EACH CAUSE, CLASSIFIED BY AGE AND PERIOD OF LIFE WHEN DEAFNESS OCCURRED, WITH RESPECT TO THE NUMBER HAVING DEAF RELATIVES OF THE SPECIFIED CLASSES: 1900—Continued.

DEAF RELATIVES NOT STATED.

CAUSE OF DEAFNESS.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.			AGE WHEN DEAFNESS OCCURRED.											
					Under 20.							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.
All causes	1,381	330	936	115	38	18	51	49	57	56	61	257	218	294	50	117
External ear	11	4	7					1	3			1	3	2		1
Impacted cerumen	4	3	1					1	2				1			
Foreign bodies in ear	4		4									1	1	1		1
Other causes affecting external ear	3	1	2						1				1	1		
Middle ear	532	180	320	32		9	35	33	34	35	34	124	95	81	7	13
Inflammation and abscess (suppurative)	208	110	92	6		7	29	25	20	8	21	32	24	26	5	5
Scarlet fever	68	58	6	4		4	21	15	7	2	9	3	2			1
Disease of ear	61	34	27			3	6	6	7	3	9	11	4	10		2
Measles	23	11	12				1	3	4	1	2	7	4	1		
Influenza	40	4	34	2			1		2		1	6	9	13	4	2
[illegible]	16	3	13					1		2		5	5	2	1	
[illegible] rative)	323	70	227	26		2	6	8	14	27	13	92	71	55	2	7
Catarrh	239	49	173	17			4	7	8	22	8	71	59	37	1	5
Colds	51	10	37	4		1			4	4	1	14	6	15	1	1
Other catarrhal affections	33	11	17	5		1	2	1	2	1	4	7	6	3		1
Other causes affecting middle ear	1		1													1
Internal ear	89	25	61	3		4	3	6	7	4	1	27	19	12		3
Labyrinth affected	33	1	31	1					1			12	13	4		2
Malarial fever and quinine	23	1	21	1					1			8	9	3		1
Other causes affecting labyrinth	10		10									4	4	1		1
[illegible]	53	21	30	2		4	3	6	3	4	1	15	6	8		1
[illegible]	7	7				2	1	3	1							
[illegible]	5	3	2				2	1				1	1			
[illegible]	24	9	15			1		2	2	4		11	3	1		
[illegible]	17	2	13	2		1					1	3	2	7		1
[illegible]	2	2							2							
Other causes affecting internal ear	1	1							1							
Unclassified	423	82	329	12	38	5	11	4	7	7	10	61	25	136	37	70
Congenital	38	38			38											
Old age	206		206											110	34	62
Military service	47	1	46							1		28	6	4	1	7
Falls and blows	25	12	11	2		1	3	2	2	3	1	6	3	2		
Sickness	26	10	11	5		2	1	2	1		4	2	2	7		
Fever	14	7	7			2	5					6	1			
Hereditary	14	4	9	1					1	1	2	4	4	1		
Other causes unclassified	53	10	39	4			2		3	2	3	15	9	12	2	1
Unknown	326	39	219	68			2	5	6	10	16	44	76	63	6	30

TABLE 34.—THE PARTIALLY DEAF (CONSANGUINITY OF PARENTS NOT STATED) FROM EACH CAUSE, CLASSIFIED BY AGE AND PERIOD OF LIFE WHEN DEAFNESS OCCURRED, WITH RESPECT TO THE NUMBER HAVING DEAF RELATIVES OF THE SPECIFIED CLASSES: 1900.

a DEAF RELATIVES.

CAUSE OF DEAFNESS.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.			AGE WHEN DEAFNESS OCCURRED.											
					Under 20.							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.
All causes	472	180	274	18	41	10	19	34	27	30	19	127	89	37	7	14
External ear	1	1							1							
Impacted cerumen																
Foreign bodies in ear																
Other causes affecting external ear	1	1							1							
Middle ear	195	76	114	5		6	10	21	13	19	7	67	34	11		2
Inflammation and abscess (suppurative)	70	42	26	2		4	6	12	6	10	4	17	5	4		
Scarlet fever	20	18	2			2	6	6	2	1	1	2				
Disease of ear	25	16	8	1		2		4	1	6	3	4	3	1		
Measles	15	7	7	1				2	2	3		7				
[illegible]	5		5									2		3		
[illegible]	5	1	4						1			2	2			
[illegible] rative)	125	34	88	3		2	4	9	7	9	3	50	29	7		2
Catarrh	90	20	67	3			3	3	6	7	1	39	20	6		2
Colds	25	6	19				1	2	1	1	1	9	9	1		
Other catarrhal affections	10	8	2			2		4		1	1	2				
Other causes affecting middle ear																
Internal ear	28	11	16	1		1	2	3	2	3		11	4	1		
Labyrinth affected	12	4	8				1	1		2		3	4	1		
[illegible]	7	4	3				1	1		2		3				
[illegible]	5		5										4	1		
Nerve affected	15	7	8			1	1	2	2	1		8				
Meningitis	2	1	1							1		1				
Brain fever	2	2					1	1								
[illegible]	9	2	7					1	1			7				
[illegible]	2	2				1			1							
[illegible]																
[illegible] ear	1			1												
Unclassified	139	61	77	1	41	1	5	7	6	1		25	25	13	6	8
Congenital	41	41			41											
Old age	19		19											7	6	6
Military service	10		10									8	2			
Falls and blows	10	3	7			1			2			2	4	1		
Sickness	7	3	3	1			1	1	1			2	1			
Fever	3	1	2					1				1				1
[illegible]	22	6	16					2	3	1		7	7	1		1
[illegible]	27	7	20				4	3				5	11	4		
Unknown	109	31	67	11		2	2	3	5	7	12	24	26	12	1	4

TABLE 34.—THE PARTIALLY DEAF (CONSANGUINITY OF PARENTS NOT STATED) FROM EACH CAUSE, CLASSIFIED BY AGE AND PERIOD OF LIFE WHEN DEAFNESS OCCURRED, WITH RESPECT TO THE NUMBER HAVING DEAF RELATIVES OF THE SPECIFIED CLASSES: 1900—Continued.

b OR *c* (NOT *a*) DEAF RELATIVES.

CAUSE OF DEAFNESS.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.			AGE WHEN DEAFNESS OCCURRED.											
					Under 20.							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.
All causes	1,059	283	705	71	31	9	49	56	59	51	28	247	190	173	28	67
External ear	19	9	8	2			3	2	1	2	1	6	2			
Impacted cerumen	10	3	6	1				1		1	1	4	2			
Foreign bodies in ear	8	5	2	1			2	1	1	1		2				
Other causes affecting external ear	1	1					1									
Middle ear	375	140	214	21		6	24	38	33	25	14	82	74	48	5	5
Inflammation and abscess (suppurative)	160	87	66	7		5	20	25	18	11	8	25	24	13	3	1
Scarlet fever	43	34	7	2		2	12	11	5	2	2	5	2			
Disease of ear	52	28	22	2		3	3	3	7	7	5	7	10	5		
Measles	21	16	5				3	9	3		1	5				
Influenza	28	2	24	2			1	1				5	7	8	3	1
[illegible]	16	7	8	1			1	1	3	2		3	5			
[illegible] rative)	215	53	148	14		1	4	13	15	14	6	57	50	35	2	4
Catarrh	137	29	99	9			2	7	10	8	2	39	33	24	1	2
Colds	50	12	34	4		1	1	3	2	3	2	13	11	9	1	
Other catarrhal affections	28	12	15	1			1	3	3	3	2	5	6	2		2
Other causes affecting middle ear																
Internal ear	95	21	72	2			7	3	4	4	3	36	19	14	1	2
Labyrinth affected	55	9	46				1	1	2	3	2	19	14	10	1	2
Malarial fever and quinine	36	6	30				1	1	1	1	2	14	10	4		2
Other causes affecting labyrinth	19	3	16						1	2		5	4	6	1	
[illegible]	39	12	25	2			6	2	2	1	1	16	5	4		
[illegible]	4	4					2	1			1					
[illegible]	5	2	1	2			1	1					1			
Typhoid fever	23	6	17				3		2	1		13	3	1		
Other causes affecting nerve	7		7									3	1	3		
Brain center for hearing affected																
Other causes affecting internal ear	1		1									1				
Unclassified	376	87	279	10	31	1	12	8	14	17	4	86	52	70	19	52
Congenital	31	31			31											
Old age	107		107											47	18	42
Military service	77	8	67	2					1	7		48	10	1		8
Falls and blows	42	14	26	2			3		5	5	1	13	7	4		2
Sickness	46	14	28	4		1	6	3	3	1		9	13	5	1	
Fever	15	5	9	1			1	2			2	1	6	2		
Hereditary	1		1									1				
Other causes unclassified	57	15	41	1			2	3	5	4	1	14	16	11		
Unknown	194	26	132	36		2	3	5	7	3	6	37	43	41	3	8

TABLE 34.—THE PARTIALLY DEAF (CONSANGUINITY OF PARENTS NOT STATED) FROM EACH CAUSE, CLASSIFIED BY AGE AND PERIOD OF LIFE WHEN DEAFNESS OCCURRED, WITH RESPECT TO THE NUMBER HAVING DEAF RELATIVES OF THE SPECIFIED CLASSES: 1900—Continued.

NO *a*, *b*, OR *c* DEAF RELATIVES.

CAUSE OF DEAFNESS.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.			AGE WHEN DEAFNESS OCCURRED.											
					Under 20.							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.
All causes	108	31	70	7	7	4	2	6	2	5	5	24	26	13	2	5
External ear	1		1										1			
Impacted cerumen																
Foreign bodies in ear	1		1										1			
Other causes affecting external ear																
Middle ear	38	11	25	2		2	1	3	2	1	2	13	7	5		
Inflammation and abscess (suppurative)	13	5	7	1				3			2	4	1	2		
Scarlet fever	3	3						2			1					
Disease of ear	3	1	1	1							1	1				
Measles	2	1	1					1				1				
Influenza	5		5									2	1	2		
Other causes producing suppuration																
Catarrhal affections (nonsuppurative)	25	6	18	1		2	1		2	1		9	6	3		
Catarrh	15	3	12			1	1			1		5	4	3		
Colds	7	2	4	1					2			2	2			
Other catarrhal affections	3	1	2			1						2				
Other causes affecting middle ear																
Internal ear	12	5	6	1		1		2		2		1	4	1		
Labyrinth affected	9	3	6					1		2		1	4	1		
Malarial fever and quinine	2	1	1							1			1			
Other causes affecting labyrinth	7	2	5					1		1		1	3	1		
Nerve affected	3	2		1		1		1								
Meningitis	2	2				1		1								
Brain fever																
Typhoid fever																
[illegible]	1			1												
[illegible]																
[illegible] ear																
Unclassified	33	8	25		7		1					7	9	2	2	5
Congenital	7	7			7											
Old age	7		7											1	2	4
Military service	3		3									1		1		1
Falls and blows	3		3										3			
Sickness	4	1	3				1					1	2			
Fever	3		3									2	1			
Hereditary	2		2									1	1			
Other causes unclassified	4		4									2	2			
Unknown	24	7	13	4		1		1		2	3	3	5	5		

TABLE 34.—THE PARTIALLY DEAF (CONSANGUINITY OF PARENTS NOT STATED) FROM EACH CAUSE, CLASSIFIED BY AGE AND PERIOD OF LIFE WHEN DEAFNESS OCCURRED, WITH RESPECT TO THE NUMBER HAVING DEAF RELATIVES OF THE SPECIFIED CLASSES: 1900—Continued.

DEAF RELATIVES NOT STATED.

CAUSE OF DEAFNESS.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.			AGE WHEN DEAFNESS OCCURRED.											
					Under 20.							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.
All causes	4,712	803	3,029	880	82	47	115	150	131	125	153	795	674	775	147	638
External ear	46	12	28	6			1	1	2	4	4	9	13	4		2
Impacted cerumen	16	5	10	1				1	2	1	1	4	3	2		1
Foreign bodies in ear	19	5	12	2						3	2	4	7	1		
Other causes affecting external ear	11	2	6	3			1				1	1	3	1		1
Middle ear	1,559	390	996	173		26	75	105	76	53	55	359	308	258	19	52
Inflammation and abscess (suppurative)	641	271	305	65		19	61	85	52	20	34	101	90	84	12	18
Scarlet fever	183	145	25	13		10	40	48	23	5	19	13	6	1		5
Disease of ear	166	55	86	25		7	9	14	13	4	8	34	37	12		3
Measles	79	51	23	5		2	9	20	11	6	3	18	4	1		
Influenza	159	7	137	15			2	1	2	1	1	17	33	67	11	9
Other causes producing suppuration	54	13	34	7			1	2	3	4	3	19	10	3	1	1
Catarrhal affections (nonsuppurative)	915	118	690	107		7	14	20	24	33	20	258	217	174	7	34
Catarrh	639	73	486	80		3	4	9	19	22	16	190	151	115	5	25
Colds	199	27	152	20			4	8	5	7	3	53	51	41	1	6
Other catarrhal affections	77	18	52	7		4	6	3		4	1	15	15	18	1	3
Other causes affecting middle ear	3	1	1	1							1		1			
Internal ear	312	57	209	46		6	12	11	10	14	4	85	68	47	2	7
Labyrinth affected	155	22	110	23			2	5	5	9	1	47	34	26		3
Malarial fever and quinine	77	12	56	9			2	2	2	5	1	28	17	10		1
Other causes affecting labyrinth	78	10	54	14				3	3	4		19	17	16		2
Nerve affected	141	33	96	12		6	9	5	5	5	3	38	32	20	2	4
[illegible]	8	6	2			3	2		1				1	1		
[illegible]	6	6				1	3		2							
[illegible]	69	12	56	1			2	2	1	5	2	32	16	7		1
[illegible]	58	9	38	11		2	2	3	1		1	6	15	12	2	3
[illegible]	4	2		2			1	1								
[illegible] ear	12		3	9									2	1		
Unclassified	1,489	201	1,232	56	82	7	12	20	21	37	22	236	135	310	117	434
Congenital	82	82			82											
Old age	765		765											248	114	403
Military service	190	19	162	9					1	18		116	19	6		21
Falls and blows	82	29	47	6		1	4	7	8	4	5	14	19	11	1	2
Sickness	106	19	68	19		3	2	4	1	3	6	20	27	18	1	2
Fever	37	15	19	3			1	3	6	3	2	8	8	3		
Hereditary	22	2	20						1		1	6	8	3		3
Other causes unclassified	205	35	151	19		3	5	6	4	9	8	72	54	21	1	3
Unknown	1,306	143	564	599		8	15	13	22	17	68	106	150	156	9	143

TABLE 35.—THE DEAF, CLASSIFIED BY AGE AND PERIOD OF LIFE WHEN DEAFNESS OCCURRED, SEX, AND DEAF RELATIVES:[1] 1900.

TOTALLY DEAF.

SEX, AND DEAF RELATIVES.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.			AGE WHEN DEAFNESS OCCURRED.											
					Under 20.							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.
Aggregate	37,426	33,148	3,483	795	12,609	5,998	7,545	3,718	1,425	865	988	2,021	867	374	57	164
Males	20,218	17,849	1,966	403	6,635	3,372	4,106	1,954	749	513	520	1,134	503	214	26	89
Deaf relatives	6,812	6,173	572	67	3,096	852	1,190	556	196	140	143	367	138	47		20
a — — —	3,065	2,660	380	25	1,699	314	282	132	80	75	78	246	85	34		15
a b — —	686	605	76	5	440	49	41	22	25	14	14	51	21	2		2
a b c —	6	5	1		3					2		1				
a b — *d*	96	94	1	1	65	10	13	5	1					1		
a b c d	13	13			10	1	1	1								
a — *c* —	13	6	7		3			1	2			3	4			
a — *c d*	22	21	1		17	1	2	1				1				
a — — *d*	371	368	1	2	225	33	62	36	5		7	1				
— *b* — —	912	829	72	11	380	157	160	63	20	25	24	48	19	4		1
— *b c* —	4		4									1	3			
— *b c d*	2	2				1	1									
— *b* — *d*	112	109	1	2	24	31	31	19	1	1	2	1				
— — *c* —	21	8	13		6			2				6	2	4		1
— — *c d*	33	33			12	7	10	1	1	1	1					
— — — *d*	1,456	1,420	15	21	212	248	587	273	61	22	17	8	4	2		1
No deaf relatives	12,027	10,700	1,208	119	3,069	2,401	2,749	1,313	523	356	289	698	320	139	20	31
Not stated	1,379	976	186	217	470	119	167	85	30	17	88	69	45	28	6	38
Females	17,208	15,299	1,517	392	5,974	2,626	3,439	1,764	676	352	468	887	364	160	31	75
Deaf relatives	6,227	5,611	524	92	2,787	757	1,131	519	168	124	125	335	133	40	2	14
a — — —	2,760	2,366	358	36	1,577	242	238	115	61	72	61	219	97	29	2	11
a b — —	595	514	72	9	354	44	42	27	19	17	11	50	16	4		2
a b c —	7	5	2		1			1		3		2				
a b — *d*	89	87		2	50	15	11	9	2							
a b c d	7	7			2	2	2				1					
a — *c* —	19	10	8	1	8				1	1		5	2	1		
a — *c d*	26	26			20	3	2		1							
a — — *d*	395	386	1	8	219	48	79	25	3		12	1				
— *b* — —	725	654	62	9	276	119	130	62	29	21	17	45	14	3		
— *b c* —	3	1	2		1							2				
— *b c d*	5	5			3		2									
— *b* — *d*	100	99		1	25	16	39	15	4							
— — *c* —	32	16	14	2	6	1	2	2	2	3		9	3	2		
— — *c d*	33	33			13	8	10		1		1					
— — — *d*	1,431	1,402	5	24	232	259	574	263	45	7	22	2	1	1		1
No deaf relatives	9,714	8,782	816	116	2,743	1,757	2,165	1,167	467	210	273	479	206	89	16	26
Not stated	1,267	906	177	184	444	112	143	78	41	18	70	73	25	31	13	35

PARTIALLY DEAF.

Aggregate	51,861	17,148	32,441	2,272	1,865	1,398	2,991	3,300	3,039	3,196	1,359	14,567	8,570	6,221	964	2,119
Males	26,697	8,094	16,831	1,172	1,035	782	1,602	1,640	1,390	1,575	670	7,113	4,569	3,639	473	1,037
Deaf relatives	7,959	2,904	4,869	186	412	178	437	481	554	645	197	2,439	1,403	789	70	168
a — — —	5,112	1,750	3,246	116	265	81	228	287	360	400	129	1,596	957	544	47	102
a b — —	1,114	463	626	25	53	20	67	71	101	123	28	363	173	63	6	21
a b c —	14	7	7					1	2	4		4	3			
a b — *d*	15	8	7		2		2	1	2	1		6	1			
a b c d	3		3									3				
a — *c* —	53	12	41		2		3		3	4		26	9	4		2
a — *c d*	4	3		1				3								
a — — *d*	82	38	43	1	12	1	12	7	4	1	1	12	17	11	1	2
— *b* — —	1,112	480	611	21	62	50	84	84	68	98	34	341	163	82	7	18
— *b c* —	8	3	5						2	1		1	2	1		1
— *b c d*																
— *b* — *d*	15	6	9			1	2	1	1		1	4	2	2		1
— — *c* —	119	16	97	6	1	1	3	4	2	4	1	37	30	25	2	3
— — *c d*	4	3	1					3				1				
— — — *d*	304	115	173	16	15	24	36	19	9	9	3	45	46	57	7	18
No deaf relatives	15,866	5,267	10,101	498	552	564	1,074	1,084	763	850	380	4,190	2,763	2,310	317	521
Not stated	2,872	523	1,861	488	71	40	91	75	73	80	93	484	403	540	86	348
Females	25,164	8,454	15,610	1,100	830	616	1,389	1,660	1,649	1,621	689	7,454	4,001	2,582	491	1,082
Deaf relatives	8,718	2,993	5,558	167	326	161	385	495	688	717	221	3,170	1,487	618	54	229
a — — —	5,478	1,734	3,641	103	213	72	186	295	397	432	139	2,012	1,002	451	44	132
a b — —	1,430	527	885	18	36	17	62	70	152	153	37	591	215	41	2	36
a b c —	21	5	16					2	1	2		10	6			
a b — *d*	21	12	8	1	5	2	2	2		1		5	3			
a b c d																
a — *c* —	59	13	45	1	2	1		4	2	4		25	11	6		3
a — *c d*	2	1	1							1		1				
a — — *d*	82	37	43	2	12	5	4	5	3	5	3	22	11	7		3
— *b* — —	1,163	497	644	22	49	42	80	81	100	108	37	405	163	45	4	27
— *b c* —	15	2	12					1	1		1	6	3	3		
— *b c d*	1	1						1								
— *b* — *d*	14	9	4	1	1		3	1	4			1	1	2		
— — *c* —	119	21	90	8	1	1	3	3	6	7		42	21	16	2	9
— — *c d*	9	3	6			1	1	1				4	1	1		
— — — *d*	304	130	163	11	7	20	44	29	22	4	4	46	50	46	2	19
No deaf relatives	13,158	4,817	7,920	421	445	428	920	1,036	843	801	344	3,709	2,021	1,422	325	443
Not stated	3,288	644	2,132	512	59	27	84	129	118	103	124	575	493	542	112	410

[1] Symbols for deaf relatives—*a*, deaf brothers, sisters, or ancestors; *b*, deaf uncles, aunts, cousins, or other relatives not *a*, *c*, or *d*; *c*, deaf children (sons or daughters); *d*, deaf husbands or wives

TABLE 36.—THE DEAF, CLASSIFIED BY AGE AND PERIOD OF LIFE WHEN DEAFNESS OCCURRED, CONSANGUINITY OF PARENTS, AND DEAF RELATIVES:[1] 1900.

TOTALLY DEAF.

CONSANGUINITY OF PARENTS, AND DEAF RELATIVES.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.			AGE WHEN DEAFNESS OCCURRED.											
					Under 20.							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.
Aggregate	37,426	33,148	3,483	795	12,609	5,998	7,545	3,718	1,425	865	988	2,021	867	374	57	164
Parents cousins	2,525	2,441	64	20	1,525	357	331	116	45	29	38	47	12	3		2
Deaf relatives	1,482	1,444	27	11	1,029	153	149	54	22	20	17	20	6	1		
a — — —	823	798	18	7	607	76	62	24	6	13	10	13	4	1		
a b — —	230	224	5	1	183	10	16	6	5	3	1	4	1			
a b c —																
a b — *d*	22	22			15	3	2	2								
a b c d	3	3			3											
a — *c* —	1	1			1											
a — *c d*	7	7			6		1									
a — — *d*	100	100			69	11	16	3			1					
— *b* — —	189	184	3	2	109	32	23	6	8	3	3	2	1			
— *b c* —																
— *b c d*																
— *b* — *d*	11	11			4	5	2									
— — *c* —	2	2			2											
— — *c d*	2	2			1						1					
— — — *d*	92	90	1	1	29	16	27	13	3	1	1	1				
No deaf relatives	956	913	34	9	443	195	172	57	21	9	16	24	6	2		2
Not stated	87	84	3		53	9	10	5	2		5	3				
Parents not cousins	31,560	28,171	3,029	360	9,805	5,342	6,795	3,384	1,291	788	766	1,817	773	306	40	93
Deaf relatives	10,856	9,717	1,026	113	4,472	1,386	2,076	986	331	238	228	659	255	81	2	29
a — — —	4,395	3,870	691	34	2,426	451	417	211	126	129	110	437	171	57	2	24
a b — —	1,006	852	141	13	577	77	66	41	39	28	24	96	36	6		3
a b c —	13	10	3		4			1		5		3				
a b — *d*	154	150	1	3	94	21	21	11	3					1		
a b c d	16	16			8	3	3	1			1					
a — *c* —	29	15	14		10			1	3	1		7	6	1		
a — *c d*	38	37	1		28	4	3	1	1			1				
a — — *d*	633	623	2	8	355	68	120	57	7		16	2				
— *b* — —	1,385	1,241	127	17	512	232	259	117	41	43	37	89	30	7		1
— *b c* —	7	1	6		1							3	3			
— *b c d*	6	6			2	1	3									
— *b* — *d*	193	189	1	3	43	42	64	32	5	1	2	1				
— — *c* —	45	22	23		10	1	2	4	2	3		12	4	6		1
— — *c d*	61	61			21	15	20	1	2	1	1					
— — — *d*	2,675	2,624	16	35	381	471	1,098	508	102	27	37	8	5	3		
No deaf relatives	20,194	18,074	1,911	209	5,159	3,908	4,645	2,367	936	540	519	1,122	493	215	34	47
Not stated	510	380	92	38	174	48	74	31	24	10	19	36	25	10	4	17
Parents not stated	3,341	2,536	390	415	1,279	299	419	218	89	48	184	157	82	65	17	69
Deaf relatives	701	623	43	35	382	70	96	35	11	6	23	23	10	5		5
a — — —	407	358	29	20	243	29	41	12	9	5	19	15	7	5		2
a b — —	45	43	2		34	6	1	2				1				1
a b c —																
a b — *d*	9	9			6	1	1	1								
a b c d	1	1			1											
a — *c* —	2		1	1								1				
a — *c d*	3	3			3											
a — — *d*	33	31		2	20	2	5	1	1		2					
— *b* — —	63	58	4	1	35	12	8	2			1	2	2			
— *b c* —																
— *b c d*	1	1			1											
— *b* — *d*	8	8			2		4	2								
— — *c* —	6		4	2								3	1			
— — *c d*	3	3			3											
— — — *d*	120	108	3	9	34	20	36	15	1	1	1	1				2
No deaf relatives	591	495	79	17	210	55	97	56	33	17	27	31	27	11	2	8
Not stated	2,049	1,418	268	363	687	174	226	127	45	25	134	103	45	49	15	56

[1] Symbols for deaf relatives—*a*, deaf brothers, sisters, or ancestors; *b*, deaf uncles, aunts, cousins, or other relatives not *a*, *c*, or *d*; *c*, deaf children (sons or daughters); *d*, deaf husbands or wives.

TABLE 36.—THE DEAF, CLASSIFIED BY AGE AND PERIOD OF LIFE WHEN DEAFNESS OCCURRED, CONSANGUINITY OF PARENTS, AND DEAF RELATIVES:[1] 1900—Continued.

PARTIALLY DEAF.

CONSANGUINITY OF PARENTS, AND DEAF RELATIVES.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.			AGE WHEN DEAFNESS OCCURRED.											
					Under 20.							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.
Aggregate	51,861	17,148	32,441	2,272	1,865	1,398	2,991	3,300	3,039	3,196	1,359	14,567	8,570	6,221	964	2,119
Parents cousins	1,540	835	661	44	185	72	178	132	116	101	51	335	188	102	12	24
Deaf relatives	803	432	348	23	112	23	82	59	72	57	27	190	105	42	3	8
a — — —	488	267	208	13	81	15	36	35	48	35	17	104	63	35	2	4
a b — —	153	76	75	2	13	3	23	10	8	14	5	51	20	2		2
a b c —	2	2						1		1						
a b — *d*	2	2			2											
a b c d																
a — *c* —	7	3	4		1		1			1		2		2		
a — *c d*	1	1						1								
a — — *d*	11	10		1	5		2	1	1		1					
— *b* — —	119	61	53	5	10	4	13	11	13	6	4	30	18	2	1	2
— *b c* —																
— *b c d*																
— *b* — *d*	2	1	1				1					1				
— — *c* —	6	2	3	1		1	1						3			
— — *c d*																
— — — *d*	12	7	4	1			5		2			2	1	1		
No deaf relatives	670	369	285	16	63	47	87	68	41	42	21	138	79	47	8	13
Not stated	67	34	28	5	10	2	9	5	3	2	3	7	4	13	1	3
Parents not cousins	43,970	15,016	27,702	1,252	1,519	1,256	2,628	2,922	2,704	2,884	1,103	13,039	7,403	5,121	768	1,371
Deaf relatives	15,232	5,239	9,693	300	578	302	716	872	1,136	1,268	367	5,269	2,654	1,303	109	358
a — — —	9,710	3,067	6,454	189	362	130	365	518	687	773	232	3,407	1,822	925	83	217
a b — —	2,329	888	1,401	40	71	33	101	126	240	257	60	879	359	102	7	54
a b c —	33	10	23					2	3	5		14	9			
a b — *d*	33	18	14	1	5	2	4	3	2	2		10	4			
a b c d	3		3									3				
a — *c* —	99	22	76	1	3	1	2	4	5	7		47	16	8		5
a — *c d*	5	3	1	1				2		1		1				
a — — *d*	142	61	79	2	18	5	13	11	6	5	3	31	26	16	1	5
— *b* — —	2,074	888	1,150	36	95	84	149	148	153	197	62	698	287	116	9	40
— *b c* —	22	6	16					1	3	1	1	6	5	4		1
— *b c d*	1	1						1								
— *b* — *d*	26	14	11	1	1	1	4	2	5		1	4	3	4		
— — *c* —	210	32	170	8	1	1	5	7	8	9	1	77	41	38	3	11
— — *c d*	11	6	5			1	1	4				4	1			
— — — *d*	534	223	290	21	22	44	72	43	24	11	7	88	81	90	6	25
No deaf relatives	27,357	9,447	17,073	837	903	936	1,861	2,001	1,511	1,560	675	7,513	4,531	3,524	609	896
Not stated	1,381	330	936	115	38	18	51	49	57	56	61	257	218	294	50	117
Parents not stated	6,351	1,297	4,078	976	161	70	185	246	219	211	205	1,193	979	998	184	724
Deaf relatives	642	226	386	30	48	14	24	45	34	37	24	150	131	62	12	31
a — — —	392	150	225	17	35	8	13	29	22	24	19	97	74	35	6	13
a b — —	62	26	35	1	5	1	5	5	5	5		24	9		1	1
a b c —																
a b — *d*	1		1									1				
a b c d																
a — *c* —	6		6									2	4			
a — *c d*																
a — — *d*	11	4	7		1	1	1			1		3	2	2		
— *b* — —	82	28	52	2	6	4	2	6	2	3	5	18	21	9	1	3
— *b c* —	1		1									1				
— *b c d*																
— *b* — *d*	1		1													1
— — *c* —	22	3	14	5	1					2		2	7	3	1	1
— — *c d*	2		2									1		1		
— — — *d*	62	15	42	5			3	5	5	2		1	14	12	3	12
No deaf relatives	997	268	663	66	31	9	46	51	54	49	28	248	174	161	25	55
Not stated	4,712	803	3,029	880	82	47	115	150	121	125	153	795	674	775	147	638

[1] Symbols for deaf relatives—*a*, deaf brothers, sisters, or ancestors; *b*, deaf uncles, aunts, cousins, or other relatives not *a*, *c*, or *d*; *c*, deaf children (sons or daughters); *d*, deaf husbands or wives.

TABLE 37.—THE DEAF, CLASSIFIED BY AGE AND PERIOD OF LIFE WHEN DEAFNESS OCCURRED, SEX, MARITAL CONDITION, AND DEAF RELATIVES:[1] 1900.

TOTALLY DEAF.

SEX, MARITAL CONDITION, AND DEAF RELATIVES.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.			AGE WHEN DEAFNESS OCCURRED.											
					Under 20.							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.
Aggregate	37,426	33,148	3,483	795	12,609	5,998	7,545	3,718	1,425	865	988	2,021	867	374	57	164
Males	20,218	17,849	1,966	403	6,635	3,372	4,106	1,954	749	513	520	1,134	503	214	26	89
Single	14,707	14,097	371	239	5,642	2,883	3,135	1,312	421	249	455	263	72	16	3	17
Married	4,556	3,304	1,145	107	834	438	904	564	286	229	49	699	296	103	6	41
Widowed	788	324	430	34	115	31	42	61	33	30	12	161	131	91	17	30
Divorced	51	35	14	2	5	6	8	6	8	2	.....	11	2	1	.....	.....
Unknown	116	89	6	21	39	14	17	11	1	3	4	.....	2	3	.....	1
Females	17,208	15,299	1,517	392	5,974	2,626	3,439	1,764	676	352	468	887	364	160	31	75
Single	11,886	11,419	248	219	4,955	2,119	2,360	1,100	350	159	376	160	44	23	4	17
Married	3,775	3,058	624	93	772	433	905	530	237	123	58	443	140	23	1	17
Widowed	1,407	720	625	62	212	62	148	122	81	66	29	271	177	111	25	41
Divorced	53	39	10	4	12	5	9	6	6	1	.....	8	1	1	.....	.....
Unknown	87	63	10	14	23	7	17	6	2	3	5	5	2	2	1	.....
Married males	4,556	3,304	1,145	107	834	438	904	564	286	229	49	699	296	103	6	41
Deaf relatives	2,804	2,406	361	37	698	352	740	372	125	91	28	236	89	24	.....	12
a — — —	483	236	240	7	94	16	26	19	36	43	2	160	52	20	.....	8
a b — —	112	61	49	2	26	3	2	7	10	12	1	32	16	.....	.....	1
a b c —	3	3	.....	.....	1	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	.....
a b c d	13	13	.....	.....	10	1	1	1	.....	.....	.....	.....	.....	.....	.....	.....
a b — *d*	95	93	1	1	64	10	13	5	1	.....	.....	.....	.....	1	.....	.....
a — *c* —	11	6	5	.....	3	.....	.....	1	2	.....	.....	2	3	.....	.....	.....
a — *c d*	21	21	.....	.....	17	1	2	1	.....	.....	.....	.....	.....	.....	.....	.....
a — — *d*	368	365	1	2	222	33	62	36	5	.....	7	1	.....	.....	.....	.....
— *b* — —	102	61	39	2	13	6	12	11	9	10	.....	26	12	.....	.....	1
— *b c* —	2	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....	.....	.....
— *b c d*	2	2	.....	.....	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
— *b* — *d*	107	105	.....	2	23	30	30	19	1	1	1	.....	.....	.....	.....	.....
— — *c* —	14	5	9	.....	5	.....	.....	.....	.....	.....	.....	6	1	1	.....	1
— — *c d*	32	32	.....	.....	12	6	10	1	1	1	1	.....	.....	.....	.....	.....
— — — *d*	1,439	1,403	15	21	208	245	581	271	60	22	16	8	4	2	.....	1
No deaf relatives	1,583	845	703	35	115	84	158	184	153	133	18	426	187	69	6	15
Not stated	169	53	81	35	21	2	6	8	8	5	3	37	20	10	.....	14
Married females	3,775	3,058	624	93	772	433	905	530	237	123	58	443	140	23	1	17
Deaf relatives	2,579	2,300	228	51	665	370	735	345	88	51	46	168	47	7	.....	6
a — — —	356	195	150	11	82	16	16	26	18	27	10	109	31	5	.....	5
a b — —	77	40	34	3	12	5	4	4	7	7	1	26	7	1	.....	.....
a b c —	3	2	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
a b c d	7	7	.....	.....	2	2	2	.....	.....	.....	1	.....	.....	.....	.....	.....
a b — *d*	88	86	.....	2	50	15	11	8	2	.....	.....	.....	.....	.....	.....	.....
a — *c* —	7	3	3	1	2	.....	.....	.....	1	.....	.....	3	.....	.....	.....	.....
a — *c d*	26	26	.....	.....	20	3	2	.....	1	.....	.....	.....	.....	.....	.....	.....
a — — *d*	383	374	1	8	214	46	75	25	3	.....	11	1	.....	.....	.....	.....
— *b* — —	84	52	31	1	12	3	13	10	6	8	.....	23	8	.....	.....	.....
— *b c* —	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
— *b c d*	3	3	.....	.....	1	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....
— *b* — *d*	96	95	.....	1	25	16	36	15	3	.....	.....	.....	.....	.....	.....	.....
— — *c* —	12	10	2	.....	3	1	2	2	1	1	.....	2	.....	.....	.....	.....
— — *c d*	33	33	.....	.....	13	8	10	.....	1	.....	1	.....	.....	.....	.....	.....
— — — *d*	1,403	1,374	5	24	229	255	562	254	45	7	22	2	1	1	.....	1
No deaf relatives	1,056	690	346	20	83	62	158	180	135	64	8	243	85	12	.....	6
Not stated	140	68	50	22	24	1	12	5	14	8	4	32	8	4	1	5

[1] Symbols for deaf relatives:—*a*, deaf brothers, sisters, or ancestors; *b*, deaf uncles, aunts, cousins, or other relatives not *a*, *c*, or *d*; *c*, deaf children (sons or daughters); *d*, deaf husbands or wives.

TABLE 37.—THE DEAF, CLASSIFIED BY AGE AND PERIOD OF LIFE WHEN DEAFNESS OCCURRED, SEX, MARITAL CONDITION, AND DEAF RELATIVES:[1] 1900—Continued.

PARTIALLY DEAF.

SEX, MARITAL CONDITION, AND DEAF RELATIVES.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.			AGE WHEN DEAFNESS OCCURRED.											
					Under 20.							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.
Aggregate	51,861	17,148	32,441	2,272	1,865	1,398	2,991	3,300	3,039	3,196	1,359	14,567	8,570	6,221	964	2,119
Males	26,697	8,694	16,831	1,172	1,035	782	1,602	1,640	1,390	1,575	670	7,113	4,569	3,639	473	1,037
Single	6,631	4,753	1,611	267	841	660	1,102	868	538	371	373	896	356	219	16	124
Married	15,190	3,364	11,188	638	169	107	438	653	714	1,039	244	5,240	3,136	2,090	197	525
Widowed	4,692	523	3,911	258	22	12	54	105	125	157	48	910	1,045	1,319	259	378
Divorced	121	32	85	4	1	2	4	10	8	4	3	48	22	9	1	5
Unknown	63	22	36	5	2	1	4	4	5	4	2	19	10	2	.....	5
Females	25,164	8,454	15,610	1,100	830	616	1,389	1,660	1,649	1,621	689	7,454	4,001	2,582	491	1,082
Single	5,846	3,979	1,609	258	668	487	869	673	561	392	329	925	338	163	34	149
Married	10,685	3,198	7,073	414	108	108	387	700	794	900	201	4,521	1,755	494	31	272
Widowed	8,444	1,224	6,814	406	52	20	124	273	282	318	155	1,944	1,879	1,914	424	653
Divorced	128	41	80	7	.....	1	5	11	11	11	2	52	19	5	.....	4
Unknown	61	12	34	15	2	.....	4	3	1	.....	2	12	10	6	2	4
Married males	15,190	3,364	11,188	638	169	107	438	653	714	1,039	244	5,240	3,136	2,090	197	525
Deaf relatives	4,946	1,365	3,466	115	90	42	164	217	323	438	91	1,832	1,008	490	30	106
a — — —	3,099	763	2,266	70	41	8	64	119	200	276	55	1,186	682	318	17	63
a *b* — —	666	213	442	11	11	6	21	24	60	77	14	267	120	44	1	10
a *b* *c* —	12	7	5	.....	.....	.....	.....	1	2	4	.....	4	1	.....	.....	.....
a *b* *c* *d*	3	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	3	.....	.....	.....	.....
a *b* — *d*	15	8	7	.....	2	.....	2	1	2	1	.....	6	1	.....	.....	.....
a — *c* —	40	10	30	.....	1	.....	3	.....	2	4	.....	20	9	1	.....	.....
a — *c* *d*	4	3	.....	1	.....	.....	.....	3	.....	.....	.....	.....	.....	.....	.....	.....
a — — *d*	82	38	43	1	12	1	12	7	4	1	1	12	17	11	1	2
— *b* — —	616	185	421	10	8	2	21	35	42	61	16	256	107	44	4	10
— *b* *c* —	6	2	4	.....	.....	.....	.....	.....	1	1	.....	1	2	.....	.....	1
— *b* *c* *d*												.....	.....	.....	.....	.....
— *b* —												4	2	2	.....	1
— — *c*												27	21	14	.....	1
— — *c*												1	.....	.....	.....	.....
— — —												45	46	56	7	18
No deaf relativ												3,060	1,864	1,325	129	277
Not stated												348	264	275	38	142
Married females												4,521	1,755	494	31	272
Deaf relatives												1,928	677	152	5	92
a — —												1,246	442	85	2	44
a *b* —												325	88	4	.....	11
a *b* *c*												5	2	.....	.....	.....
a *b* *c*												.....	.....	.....	.....	.....
a *b* —												5	3	.....	.....	.....
a — *c*												13	1	1	.....	1
a — *c*												1	.....	.....	.....	.....
a — —												21	11	7	.....	3
— *b* —												245	71	6	1	12
— *b* *c*												1	2	.....	.....	.....
— *b* *c*												.....	.....	.....	.....	.....
— *b* —												1	1	2	.....	.....
— — *c*												16	6	3	.....	2
— — *c*												4	1	.....	.....	.....
— — —												45	49	44	2	19
No deaf relativ												2,268	889	255	23	117
Not stated												325	189	87	3	63

[1] Symbols for deaf relatives—*a*, deaf brothers, sisters, or ancestors; *b*, deaf uncles, aunts, cousins, or other relatives not *a*, *c*, or *d*; *c*, deaf children (sons or daughters); *d*, deaf husbands or wives.

TABLE 38.—THE DEAF, CLASSIFIED BY AGE AND PERIOD OF LIFE WHEN DEAFNESS OCCURRED, RACE, SCHOOL ATTENDANCE, ABILITY TO SPEAK, AND MEANS OF COMMUNICATION:[1] 1900.

TOTALLY DEAF.

RACE, SCHOOL ATTENDANCE, ABILITY TO SPEAK, AND MEANS OF COMMUNICATION.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.			AGE WHEN DEAFNESS OCCURRED.											
					Under 20.							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.
Aggregate	37,426	33,148	3,483	795	12,609	5,998	7,545	3,718	1,425	865	988	2,021	867	374	57	164
White	34,590	30,567	3,293	730	11,146	5,827	7,203	3,433	1,267	781	910	1,919	826	354	49	145
Attended school	28,180	25,437	2,353	390	8,713	4,891	6,296	2,983	1,125	688	741	1,508	577	184	15	69
Special	21,919	21,701	39	179	8,120	4,555	5,765	2,184	376	63	638	27	8	3	.....	1
Other	3,592	2,584	903	105	383	240	353	590	541	410	67	582	218	64	3	36
Both	180	174	4	2	23	21	27	52	35	11	5	4	.....	.....	.....	.....
Not stated	2,489	978	1,407	104	187	75	151	157	173	204	31	895	351	117	12	32
Did not attend school	4,972	4,436	413	123	2,126	868	783	366	98	58	137	206	109	66	13	19
Not stated	1,438	694	527	217	307	68	124	84	44	35	32	205	140	104	21	57
Colored	2,836	2,581	190	65	1,463	171	342	285	158	84	78	102	41	20	8	19
Attended school	1,168	1,080	74	14	580	70	158	112	76	44	40	56	14	2	1	1
Special	815	805	3	7	505	52	127	60	24	3	34	3	.....	.....	.....	.....
Other	235	201	32	2	51	15	22	37	40	32	4	26	3	1	1	1
Both	1	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....
Not stated	117	73	39	5	24	3	9	15	12	8	2	27	11	1	.....	.....
Did not attend school	1,508	1,373	100	35	807	96	172	153	77	37	31	40	22	16	7	15
Not stated	160	128	16	16	76	5	12	20	5	3	7	6	5	2	.....	3
Ability to speak:																
Well	8,027	4,578	3,203	246	492	281	580	1,373	1,001	736	115	1,852	808	346	53	144
Read lips	5,140	3,655	1,397	88	461	265	518	1,128	727	469	87	992	285	66	7	47
Do not read lips	817	292	496	29	9	1	16	69	93	96	8	244	153	73	9	17
Not stated	2,070	631	1,310	129	22	15	46	176	181	171	20	616	370	207	37	80
Imperfectly	5,917	5,657	161	99	1,589	1,072	1,489	975	251	79	202	99	34	15	2	11
Read lips	4,693	4,566	86	41	1,331	881	1,184	768	189	53	160	64	15	5	.....	2
Do not read lips	553	495	33	25	88	88	160	100	28	14	17	15	11	2	1	4
Not stated	671	596	42	33	170	103	145	107	34	12	25	20	8	8	1	5
Not at all	23,482	22,913	119	450	10,528	4,645	5,476	1,370	173	50	671	70	25	13	2	9
Read lips	4,641	4,534	33	74	1,743	1,001	1,175	437	68	18	92	25	5	2	.....	1
Do not read lips	12,616	12,424	39	153	5,705	2,556	3,085	645	71	18	344	23	9	3	2	2
Not stated	6,225	5,955	47	223	3,080	1,088	1,216	288	34	14	235	22	11	8	.....	6
Means of communication	37,426	33,148	3,483	795	12,609	5,998	7,545	3,718	1,425	865	988	2,021	867	374	57	164
sp — — —	9,078	5,485	3,297	296	659	371	775	1,660	1,108	770	142	1,902	833	356	55	151
sp wr — —	450	415	27	8	125	79	97	51	35	17	11	17	6	2	.....	2
sp wr fg —	317	307	7	3	78	62	66	61	20	9	11	6	1	.....	.....	.....
sp wr fg si	3,340	3,317	4	19	1,043	710	947	443	46	8	120	4	.....	.....	.....	.....
sp wr — si	147	140	6	1	40	29	36	19	9	2	5	5	1	.....	.....	.....
sp — fg —	46	39	5	2	9	9	7	7	4	1	2	4	.....	1	.....	.....
sp — fg si	142	138	3	1	38	28	39	22	3	1	7	2	.....	1	.....	.....
sp — — si	424	394	15	15	89	65	102	85	27	7	19	11	1	1	.....	2
— wr — —	231	205	10	16	85	40	44	20	8	4	4	6	3	1	.....	.....
— wr fg —	759	747	3	9	337	141	188	52	7	4	18	2	.....	1	.....	.....
— wr fg si	12,617	12,470	12	135	5,159	2,695	3,446	734	52	13	371	10	2	.....	.....	.....
— wr — si	361	350	4	7	147	64	101	25	4	.....	9	3	.....	1	.....	.....
— — fg —	262	254	3	5	140	40	55	13	2	.....	4	2	1	.....	.....	.....
— — fg si	983	966	2	15	498	176	199	51	7	3	32	1	1	.....	.....	.....
— — — si	5,904	5,737	51	116	2,979	1,072	1,087	359	69	18	153	28	13	5	.....	5
Not stated	2,365	2,184	34	147	1,183	417	356	116	24	8	80	18	5	5	2	4

[1] Contractions employed—sp, speech; wr, writing; fg, finger-spelling; si, sign-language.

TABLE 38.—THE DEAF, CLASSIFIED BY AGE AND PERIOD OF LIFE WHEN DEAFNESS OCCURRED, RACE, SCHOOL ATTENDANCE, ABILITY TO SPEAK, AND MEANS OF COMMUNICATION:[1] 1900—Continued.

PARTIALLY DEAF.

RACE, SCHOOL ATTENDANCE, ABILITY TO SPEAK, AND MEANS OF COMMUNICATION.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.			AGE WHEN DEAFNESS OCCURRED.											
					Under 20.							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.
Aggregate	51,861	17,148	32,441	2,272	1,865	1,398	2,991	3,300	3,039	3,196	1,359	14,567	8,570	6,221	964	2,119
White	49,771	16,240	31,362	2,169	1,645	1,341	2,880	3,134	2,885	3,071	1,284	14,147	8,281	6,021	893	2,020
Attended school	35,500	13,445	20,919	1,136	1,154	1,082	2,464	2,657	2,470	2,602	1,016	11,165	5,516	3,024	303	911
Special	2,389	2,270	81	38	577	497	615	256	87	30	208	46	22	9	.....	4
Other	15,382	7,722	7,274	386	467	519	1,489	1,742	1,553	1,413	539	4,141	1,643	967	139	384
Both	56	50	6	.....	6	7	20	8	5	3	1	6	.....	.....	.....	.....
Not stated	17,673	3,403	13,558	712	104	59	340	651	825	1,156	268	6,972	3,851	2,048	164	523
Did not attend school	6,055	1,796	3,996	263	392	230	313	270	202	240	149	1,294	1,177	1,052	186	287
Not stated	8,216	999	6,447	770	99	29	103	207	213	229	119	1,688	1,588	1,945	404	822
Colored	2,090	908	1,079	103	220	57	111	166	154	125	75	420	289	200	71	99
Attended school	869	486	354	29	94	33	65	106	87	67	34	200	92	38	5	19
Special	74	70	2	2	30	6	14	11	1	.....	8	2	.....	.....	.....	.....
Other	455	319	127	9	52	25	44	79	58	40	21	89	24	8	1	5
Not stated	340	97	225	18	12	2	7	16	28	27	5	109	68	30	4	14
Did not attend school	1,022	369	600	53	111	24	40	54	61	50	29	185	168	136	52	59
Not stated	199	53	125	21	15	.....	6	6	6	8	12	35	29	26	14	21
Ability to speak:[2]																
Well	47,474	13,486	31,924	2,064	725	665	2,089	2,951	2,907	3,127	1,022	14,363	8,433	6,107	945	2,076
Imperfectly	3,500	2,888	457	155	863	539	739	304	121	56	266	184	121	98	16	38
Not at all	887	774	60	53	277	194	163	45	11	13	71	20	16	16	3	5
Means of communication	51,861	17,148	32,441	2,272	1,865	1,398	2,991	3,300	3,039	3,196	1,359	14,567	8,570	6,221	964	2,119
sp — — —	49,523	14,992	32,333	2,198	1,156	881	2,461	3,154	3,007	3,175	1,158	14,517	8,543	6,202	960	2,111
sp wr — —	107	85	17	5	26	18	20	10	4	1	6	10	5	1	1	.....
sp wr fg —	51	50	1	.....	12	7	16	8	.....	2	5	1	.....	.....	.....	.....
sp wr fg si	709	699	3	7	198	178	194	54	7	1	67	3	.....	.....	.....	.....
sp wr — si	48	45	1	2	11	16	10	.....	.....	.....	8	1	.....	.....	.....	.....
sp — fg —	22	20	.....	2	2	5	7	3	.....	.....	3	.....	.....	.....	.....	.....
sp — fg si	63	62	.....	1	21	14	17	4	.....	.....	6	.....	.....	.....	.....	.....
sp — — si	451	421	26	4	162	85	103	22	10	4	35	15	6	2	.....	3
— wr — —	15	10	4	1	2	4	3	.....	1	.....	.....	2	1	.....	.....	1
— wr fg —	17	13	4	.....	3	3	4	1	1	.....	1	3	1	.....	.....	.....
— wr fg si	209	204	.....	5	60	61	53	10	1	2	17	.....	.....	.....	.....	.....
— wr — si	10	8	2	.....	2	1	4	.....	.....	.....	1	1	1	.....	.....	.....
— — fg —	9	7	1	1	3	.....	4	.....	.....	.....	.....	.....	.....	1	.....	.....
— — fg si	24	24	.....	.....	8	6	5	2	.....	.....	3	.....	.....	.....	.....	.....
— — — si	316	276	20	20	104	69	52	19	3	8	21	6	5	7	1	1
Not stated	287	232	29	26	95	50	38	13	5	3	28	8	8	8	2	3

[1] Contractions employed—sp, speech; wr, writing; fg, finger-spelling; si, sign-language.

[2] Ability to read lips not stated.

TABLE 39.—THE DEAF, CLASSIFIED BY SEX, PRESENT AGE, RACE, AND SCHOOL ATTENDANCE: 1900.

RACE, AND SCHOOL ATTENDANCE.	Total.	SEX.		PRESENT AGE.											
		Male.	Female.	Under 5.		5 and under 10.		10 and under 15.		15 and under 20.		20 and over.		Unknown.	
				Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
Aggregate	89,287	46,915	42,372	564	457	2,521	2,030	3,675	3,037	3,238	2,836	36,741	33,861	176	151
White	84,361	44,223	40,138	528	423	2,307	1,875	3,318	2,736	2,946	2,569	34,985	32,412	139	123
Attended school	63,680	34,323	29,357	80	82	1,565	1,240	2,981	2,424	2,708	2,353	26,892	23,191	97	67
Special	24,308	13,377	10,931	46	47	1,168	957	2,478	1,992	2,184	1,914	7,464	5,988	37	33
Other	18,974	10,032	8,942	23	23	362	263	462	387	440	361	8,715	7,892	30	16
Both	235	131	105	.....	.....	1	2	12	10	18	14	98	79	2	.....
Not stated	20,162	10,783	9,379	11	12	34	18	29	35	66	64	10,615	9,232	28	18
Did not attend school	11,027	5,633	5,394	422	327	693	587	305	268	206	179	3,981	4,010	26	23
Not stated	9,654	4,267	5,387	26	14	49	48	32	44	32	37	4,112	5,211	16	33
Colored	4,926	2,692	2,234	36	34	214	155	357	301	292	267	1,756	1,449	37	28
Attended school	2,037	1,153	884	.....	4	82	57	206	160	175	173	672	473	18	17
Special	889	474	415	.....	.....	43	28	140	108	108	136	172	129	11	14
Other	690	409	281	.....	4	36	26	60	46	59	29	249	173	5	3
Both	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....
Not stated	457	269	188	.....	.....	3	3	6	6	8	8	250	171	2	.....
Did not attend school	2,530	1,354	1,176	34	28	126	89	132	121	112	87	935	842	15	9
Not stated	359	185	174	2	2	6	9	19	20	5	7	149	134	4	2
Totally deaf	37,426	20,218	17,208	484	395	1,957	1,592	2,757	2,293	2,358	2,151	12,571	10,701	91	76
White	34,590	18,694	15,896	454	368	1,805	1,476	2,488	2,068	2,143	1,940	11,739	9,990	65	54
Attended school	28,180	15,482	12,698	73	71	1,197	969	2,240	1,848	1,989	1,794	9,935	7,982	48	34
Special	21,919	12,019	9,900	46	43	1,048	870	2,140	1,736	1,875	1,679	6,875	5,543	35	29
Other	3,592	1,926	1,666	18	17	122	84	80	83	88	83	1,610	1,396	8	3
Both	180	106	74	.....	.....	1	2	8	7	10	9	86	56	1	.....
Not stated	2,489	1,431	1,058	9	11	26	13	12	22	16	23	1,364	987	4	2
Did not attend school	4,972	2,549	2,423	360	286	573	467	223	199	138	124	1,244	1,337	11	10
Not stated	1,438	663	775	21	11	35	40	25	21	16	22	560	671	6	10
Colored	2,836	1,524	1,312	30	27	152	116	269	225	215	211	832	711	26	22
Attended school	1,168	637	531	.....	1	51	37	147	113	120	135	307	229	12	16
Special	815	434	381	.....	.....	41	27	125	95	95	124	163	122	10	13
Other	235	137	98	.....	1	8	8	18	13	19	9	90	64	2	3
Both	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....
Not stated	117	65	52	.....	.....	2	2	4	5	6	2	53	43	.....	.....
Did not attend school	1,508	800	708	29	24	98	75	109	97	91	71	463	437	10	4
Not stated	160	87	73	1	2	3	4	13	15	4	5	62	45	4	2
Partially deaf	51,861	26,697	25,164	80	62	564	438	918	744	880	685	24,170	23,160	85	75
White	49,771	25,529	24,242	74	55	502	399	830	668	803	629	23,246	22,422	74	69
Attended school	35,500	18,841	16,659	7	11	368	271	741	576	719	559	16,957	15,209	49	33
Special	2,389	1,358	1,031	.....	4	120	87	338	256	309	235	589	445	2	4
Other	15,382	8,106	7,276	5	6	240	179	382	304	352	278	7,105	6,496	22	13
Both	56	25	31	.....	.....	.....	.....	4	3	8	5	12	23	1	.....
Not stated	17,673	9,352	8,321	2	1	8	5	17	13	50	41	9,251	8,245	24	16
Did not attend school	6,055	3,084	2,971	62	41	120	120	82	69	68	55	2,737	2,673	15	13
Not stated	8,216	3,604	4,612	5	3	14	8	7	23	16	15	3,552	4,540	10	23
Colored	2,090	1,168	922	6	7	62	39	88	76	77	56	924	738	11	6
Attended school	869	516	353	.....	3	31	20	59	47	55	38	365	244	6	1
Special	74	40	34	.....	.....	2	1	15	13	13	12	9	7	1	1
Other	455	272	183	.....	3	28	18	42	33	40	20	159	109	3	.....
Both	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Not stated	340	204	136	.....	.....	1	1	2	1	2	6	197	128	2	.....
Did not attend school	1,022	554	468	5	4	28	14	23	24	21	16	472	405	5	5
Not stated	199	98	101	1	.....	3	5	6	5	1	2	87	89	.....	.....

TABLE 40.—THE TOTALLY DEAF 10 YEARS OF AGE AND OVER ENGAGED IN EACH SPECIFIED OCCUPATION, CLASSIFIED BY RACE, SEX, AND PRESENT AGE: 1900.

OCCUPATION.	Aggregate.	RACE.		SEX.		PRESENT AGE.														
						Total.			Under 20.				20 and over.				Unknown.			
		White.	Colored.	Male.	Female.				White.		Colored.		White.		Colored.		White.		Colored.	
						Under 20.	20 and over.	Unknown.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male	Female.	Male.	Female.
All occupations	12,678	11,430	1,248	10,212	2,466	957	11,670	51	573	150	169	65	8,804	1,866	630	370	28	9	8	6
Agricultural pursuits	4,761	4,095	666	4,420	341	487	4,262	12	307	13	127	40	3,599	167	376	120	9		2	1
Agricultural laborers	1,218	843	375	1,074	144	265	948	5	155	7	77	26	648	31	190	79	2		2	1
Dairymen and dairywomen	7	7		7			7						7							
Farmers, planters, and overseers	3,366	3,094	272	3,173	193	213	3,146	7	146	6	47	14	2,803	132	170	41	7			
Gardeners, florists, nurserymen, etc	75	73	2	73	2	1	74		1				70	2	2					
Lumbermen and raftsmen	31	29	2	31		1	30		1				28		2					
Stock raisers, herders, and drovers	41	32	9	39	2	4	37		2		2		28	2	7					
Turpentine farmers and laborers	1		1	1			1								1					
Wood choppers	18	13	5	18		3	15		2		1		11		4					
Other agricultural pursuits	4	4		4			4						4							
Professional service	387	378	9	280	107	8	374	5	4	4			265	100	7	2	4	1		
Actors, professional showmen, etc	16	15	1	16		2	14		2				13		1					
Architects, designers, draftsmen, etc	15	15		14	1	1	14		1				13	1						
Artists and teachers of art	60	59	1	31	29	2	58			2			31	26		1				
Clergymen	18	17	1	18			18						17		1					
Dentists	3	3		3			3						3							
Electricians	4	4		4		1	3		1				3							
Engineers (civil, etc.) and surveyors	5	5		5			4	1					4				1			
Journalists	17	17		16	1		17						16	1						
Lawyers	7	7		7			7						7							
Literary and scientific persons	11	11		7	4		11						7	4						
Musicians and teachers of music	2	2			2		2							2						
Officials (government)	11	11		10	1		11						10	1						
Physicians and surgeons	10	10		9	1		10						9	1						
Teachers and professors in colleges, etc	206	200	6	138	68	2	200	4		2			130	64	5	1	3	1		
Other professional service	2	2		2			2						2							
Domestic and personal service	2,395	1,962	433	1,419	976	152	2,220	23	62	39	28	23	1,160	688	159	213	5	8	5	5
[illegible]	74	67	7	73	1	1	73		1				65	1	7					
[illegible]	3	3		3			3						3							
[illegible] keepers	13	13		2	11		13						2	11						
Hotel keepers	18	17	1	13	5	1	16	1			1		11	5			1			
Housekeepers and stewards	91	88	3	2	89	5	85	1		5			2	80		3		1		
Janitors and sextons	15	13	2	15			15						13		2					
Laborers (not specified)	1,217	1,059	158	1,167	50	80	1,135	2	52	3	23	2	976	26	114	19	2			
Launderers and laundresses	210	124	86	25	185	8	198	4	1	2		5	21	99	1	77	1		1	2
Nurses and midwives	9	8	1	1	8		9						1	7		1				
Restaurant keepers	6	5	1	5	1		6						4	1	1					
Saloon keepers	4	4		4			4						4							
Servants and waiters	712	543	169	86	626	53	644	15	5	29	3	16	43	458	30	113	1	7	4	3
Soldiers, sailors, and marines (U. S.)																				
Watchmen, policemen, firemen, etc	6	6		6			6						6							
Other domestic and personal service	17	12	5	17		4	13		3		1		9		4					
Trade and transportation	552	523	29	513	39	28	523	1	21	3	4		464	35	23	1			1	
Agents	61	61		54	7	1	60		1				53	7						
Bankers and brokers	18	18		17	1		18						17	1						
Boatmen and sailors	8	8		8			8						8							
Bookkeepers and accountants	27	27		25	2	1	26		1				24	2						
Clerks and copyists	105	102	3	94	11	8	97		5	3			86	8	3					
Commercial travelers	8	8		7	1		8						7	1						
Draymen, hackmen, teamsters, etc	56	48	8	56		5	50	1	2		3		46		4				1	
Foremen and overseers																				
Hostlers	24	17	7	24		3	21		2		1		15		6					
Hucksters and peddlers	24	24		23	1	1	23		1				22	1						
Livery stable keepers	3	3		3			3						3							
Merchants and dealers (except wholesale)	115	113	2	107	8	3	112		3				103	7	1	1				
Merchants and dealers (wholesale)	4	4		4			4						4							
Messengers and errand and office boys	6	6		6		5	1		5				1							
Officials of banks and companies	4	4		4			4						4							
Packers and shippers	17	17		13	4		17						13	4						
Porters and helpers (in stores, etc.)	22	15	7	22			22						15		7					
Salesmen and saleswomen	20	20		19	1		20						19	1						

TABLE 40.—THE TOTALLY DEAF 10 YEARS OF AGE AND OVER ENGAGED IN EACH SPECIFIED OCCUPATION, CLASSIFIED BY RACE, SEX, AND PRESENT AGE: 1900—Continued.

OCCUPATION.	Aggregate.	RACE.		SEX.		PRESENT AGE.													
						Total.			Under 20.				20 and over.				Unknown.			
		White.	Colored.	Male.	Female.				White.		Colored.		White.		Colored.		White.		Colored.	
						Under 20.	20 and over.	Unknown.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
Trade and transportation—Continued.																				
Steam railroad employees	15	14	1	14	1		15						13	1	1					
Stenographers and typewriters	3	3		1	2		3						1	2						
Street railway employees																				
Telegraph and telephone linemen	1	1		1		1			1											
Telegraph and telephone operators																				
Undertakers	2	2		2			2						2							
Other persons in trade and transportation	9	8	1	9			9						8		1					
Manufacturing and mechanical pursuits	4,583	4,472	111	3,580	1,003	282	4,291	10	179	91	10	2	3,316	876	65	34	10			
Building trades	738	726	12	733	5	25	711	2	25				694	5	12		2			
Carpenters and joiners	371	363	8	370	1	10	360	1	10				351	1	8		1			
Masons (brick and stone)	52	50	2	52		1	51		1				49		2					
Painters, glaziers, and varnishers	223	222	1	221	2	10	212	1	10				209	2	1		1			
Paper hangers	5	5		5			5						5							
Plasterers	17	17		17			17						17							
Plumbers and gas and steam fitters	4	4		4		1	3		1				3							
Roofers and slaters																				
Mechanics (not otherwise specified)	66	65	1	64	2	3	63		3				60	2	1					
Chemicals and allied products	7	7		5	2		7						5	2						
Oil well and oil works employees	3	3		3			3						3							
Other chemical workers	4	4		2	2		4						2	2						
Clay, glass, and stone products	63	63		59	4	3	60		3				56	4						
Brick and tile makers, etc.	13	13		12	1	2	11		2				10	1						
Glassworkers	11	11		9	2	1	10		1				8	2						
Marble and stone cutters	33	33		32	1		33						32	1						
Potters	6	6		6			6						6							
Fishing and mining	103	100	3	102	1	7	95	1	5	1	1		93		2		1			
Fishermen and oystermen	22	22		22		1	20	1	1				20				1			
Miners and quarrymen	81	78	3	80	1	6	75		4	1	1		73		2					
Food and kindred products	118	114	4	105	13	14	103	1	12	2			89	10	3	1	1			
Bakers	61	60	1	55	6	7	54		6	1			48	5	1					
Butchers	23	22	1	23		4	18	1	4				17		1		1			
Butter and cheese makers	2	2		2			2						2							
Confectioners	14	14		11	3	3	11		2	1			9	2						
Millers	8	7	1	8			8						7		1					
Other food preparers	10	9	1	6	4		10						6	3		1				
Iron and steel and their products	316	310	6	311	5	8	308		7		1		298	5	5					
Blacksmiths	84	79	5	84		3	81		2		1		77		4					
Iron and steel workers	106	105	1	104	2	2	104		2				101	2	1					
[illegible]	87	87		86	1	2	85		2				84	1						
[illegible]	3	3		3			3						3							
[illegible] makers	4	4		4			4						4							
[illegible]	12	12		12			12						12							
[illegible]	11	11		11			11						11							
[illegible]	9	9		7	2	1	8		1				6	2						
Leather and its finished products	646	627	19	620	26	39	606	1	34	2	3		566	24	16		1			
Boot and shoe makers and repairers	559	541	18	536	23	34	524	1	29	2	3		488	21	15		1			
Harness and saddle makers and repairers	59	58	1	58	1	2	57		2				55	1	1					
[illegible]	22	22		20	2	1	21		1				19	2						
[illegible] ers, etc.	6	6		6		2	4		2				4							
Liquors and beverages	15	14	1	14	1	2	13		2				11	1	1					
Bottlers and soda water makers, etc.	10	10		9	1	2	8		2				7	1						
Brewers and maltsters	2	2		2			2						2							
Distillers and rectifiers	3	2	1	3			3						2		1					

TABLE 40.—THE TOTALLY DEAF 10 YEARS OF AGE AND OVER ENGAGED IN EACH SPECIFIED OCCUPATION, CLASSIFIED BY RACE, SEX, AND PRESENT AGE: 1900—Continued.

OCCUPATION.	Aggregate.	RACE.		SEX.		PRESENT AGE.													
						Total.			Under 20.				20 and over.				Unknown.			
		White.	Colored.	Male.	Female.				White.		Colored.		White.		Colored.		White.		Colored.	
						Under 20.	20 and over.	Unknown.	Male.	Female.	Male.	Female.	Male.	Female.	Male	Female.	Male.	Female.	Male.	Female.
Lumber and its remanufactures	392	381	11	383	9	16	376	.....	13	1	2	.....	359	8	9	.....	.....	.....	.....	.....
Cabinetmakers	119	117	2	119	.....	4	115	.....	4	.....	.....	.....	113	.....	2	.....	.....	.....	.....	.....
Coopers	46	46	.....	46	.....	2	44	.....	2	.....	.....	.....	44	.....	.....	.....	.....	.....	.....	.....
Saw and planing mill employees	39	36	3	39	.....	3	36	.....	2	.....	1	.....	34	.....	2	.....	.....	.....	.....	.....
Other woodworkers	188	182	6	179	9	7	181	.....	5	1	1	.....	168	8	5	.....	.....	.....	.....	.....
Metals and metal products other than iron and steel	107	105	2	106	1	2	105	.....	2	.....	.....	.....	102	1	2	.....	.....	.....	.....	.....
Brassworkers	12	12	.....	11	1	.....	12	.....	.....	.....	.....	.....	11	1	.....	.....	.....	.....	.....	.....
Clock and watch makers and repairers	18	18	.....	18	.....	.....	18	.....	.....	.....	.....	.....	18	.....	.....	.....	.....	.....	.....	.....
Gold and silver workers	11	10	1	11	.....	.....	11	.....	.....	.....	.....	.....	10	.....	1	.....	.....	.....	.....	.....
Tin plate and tinware makers	23	23	.....	23	.....	1	22	.....	1	.....	.....	.....	22	.....	.....	.....	.....	.....	.....	.....
Other metal workers	43	42	1	43	.....	1	42	.....	1	.....	.....	.....	41	.....	1	.....	.....	.....	.....	.....
Paper and printing	480	478	2	436	44	37	441	2	34	3	.....	.....	399	40	1	1	2	.....	.....	.....
Bookbinders	42	42	.....	25	17	2	40	.....	1	1	.....	.....	24	16	.....	.....	.....	.....	.....	.....
	14	14	.....	9	5	1	13	.....	.....	1	.....	.....	9	4	.....	.....	.....	.....	.....	.....
	24	24	.....	24	.....	2	22	.....	2	.....	.....	.....	22	.....	.....	.....	.....	.....	.....	.....
tives	18	17	1	14	4	.....	18	.....	.....	.....	.....	.....	14	3	.....	1	.....	.....	.....	.....
Printers, lithographers, and pressmen	382	381	1	364	18	32	348	2	31	1	.....	.....	330	17	1	.....	2	.....	.....	.....
Textiles	1,101	1,068	33	285	816	94	1,005	2	18	74	.....	2	262	712	3	28	2	.....	.....	.....
Bleachery and dye works operatives	3	3	.....	3	.....	.....	3	.....	.....	.....	.....	.....	3	.....	.....	.....	.....	.....	.....	.....
Carpet factory operatives	21	21	.....	14	7	1	20	.....	1	.....	.....	.....	13	7	.....	.....	.....	.....	.....	.....
Cotton mill operatives	78	78	.....	36	42	9	69	.....	4	5	.....	.....	32	37	.....	.....	.....	.....	.....	.....
Hosiery and knitting mill	21	21	.....	8	13	3	18	.....	1	2	.....	.....	7	11	.....	.....	.....	.....	.....	.....
	9	9	.....	3	6	1	8	.....	.....	1	.....	.....	3	5	.....	.....	.....	.....	.....	.....
	35	35	.....	21	14	3	32	.....	1	2	.....	.....	20	12	.....	.....	.....	.....	.....	.....
	11	9	2	8	3	1	10	.....	.....	1	.....	.....	6	2	2	.....	.....	.....	.....	.....
Dressmakers	314	307	7	1	313	22	292	.....	.....	22	.....	.....	1	284	.....	7	.....	.....	.....	.....
Hat and cap makers	14	14	.....	7	7	.....	14	.....	.....	.....	.....	.....	7	7	.....	.....	.....	.....	.....	.....
	16	16	.....	.....	16	1	15	.....	.....	1	.....	.....	.....	15	.....	.....	.....	.....	.....	.....
	306	285	21	.....	306	33	273	.....	.....	31	.....	2	.....	254	.....	19	.....	.....	.....	.....
	24	24	.....	7	17	2	22	.....	.....	2	.....	.....	7	15	.....	.....	.....	.....	.....	.....
	236	235	1	174	62	16	218	2	11	5	.....	.....	160	57	1	.....	2	.....	.....	.....
	13	11	2	3	10	2	11	.....	.....	2	.....	.....	3	6	.....	2	.....	.....	.....	.....
Miscellaneous industries	497	479	18	421	76	35	461	1	24	8	3	.....	382	64	11	4	1	.....	.....	.....
Broom and brush makers	29	26	3	28	1	3	26	.....	1	.....	2	.....	25	.....	.....	1	.....	.....	.....	.....
Charcoal, coke, and lime burners	1	.....	1	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....
Engineers and firemen (not locomotive)	29	27	2	29	.....	2	26	1	2	.....	.....	.....	24	.....	2	.....	1	.....	.....	.....
Glovemakers	9	9	.....	4	5	2	7	.....	1	1	.....	.....	3	4	.....	.....	.....	.....	.....	.....
Manufacturers and officials, etc	55	55	.....	53	2	.....	55	.....	.....	.....	.....	.....	53	2	.....	.....	.....	.....	.....	.....
Model and pattern makers	10	10	.....	10	.....	1	9	.....	1	.....	.....	.....	9	.....	.....	.....	.....	.....	.....	.....
Photographers	28	28	.....	24	4	.....	28	.....	.....	.....	.....	.....	24	4	.....	.....	.....	.....	.....	.....
Rubber factory operatives	10	10	.....	7	3	1	9	.....	.....	1	.....	.....	7	2	.....	.....	.....	.....	.....	.....
Tobacco and cigar factory operatives	162	155	7	145	17	10	152	.....	8	2	.....	.....	132	13	5	2	.....	.....	.....	.....
Upholsterers	31	31	.....	30	1	1	30	.....	1	.....	.....	.....	29	1	.....	.....	.....	.....	.....	.....
Other miscellaneous industries	133	128	5	90	43	15	118	.....	10	4	1	.....	76	38	3	1	.....	.....	.....	.....

TABLE 41.—THE PARTIALLY DEAF 10 YEARS OF AGE AND OVER ENGAGED IN EACH SPECIFIED OCCUPATION, CLASSIFIED BY RACE, SEX, AND PRESENT AGE: 1900.

OCCUPATION.	Aggregate.	RACE.		SEX.		PRESENT AGE.														
						Total.			Under 20.				20 and over.				Unknown.			
		White.	Colored.	Male.	Female.				White.		Colored.		White.		Colored.		White.		Colored.	
						Under 20.	20 and over.	Unknown.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
All occupations	19,464	18,401	1,063	16,425	3,039	711	18,683	70	503	108	71	29	15,116	2,615	675	277	51	8	9	2
Agricultural pursuits	9,307	8,732	575	8,706	601	400	8,877	30	313	15	54	18	7,891	488	422	76	21	4	5	.....
Agricultural laborers	798	673	125	739	59	179	616	3	134	8	26	11	507	22	69	18	2	.....	1	.....
Dairymen and dairywomen	22	22	.....	15	7	.....	22	.....	.....	.....	.....	.....	15	7	.....	.....	.....	.....	.....	.....
Farmers, planters, and overseers	8,062	7,648	414	7,548	514	210	7,828	24	171	5	27	7	7,011	441	319	57	16	4	4	.....
Gardeners, florists, nurserymen, etc	255	243	12	241	14	4	250	1	2	2	.....	.....	227	11	11	1	1	.....	.....	.....
Lumbermen and raftsmen	20	19	1	20	.....	.....	20	.....	.....	.....	.....	.....	19	.....	1	.....	.....	.....	.....	.....
Stock raisers, herders, and drovers	106	98	8	99	7	6	99	1	6	.....	.....	.....	84	7	8	.....	1	.....	.....	.....
Turpentine farmers and laborers	3	2	1	3	.....	.....	3	.....	.....	.....	.....	.....	2	.....	1	.....	.....	.....	.....	.....
Wood choppers	34	20	14	34	.....	1	32	1	.....	.....	1	.....	19	.....	13	.....	1	.....	.....	.....
Other agricultural pursuits	7	7	.....	7	.....	.....	7	.....	.....	.....	.....	.....	7	.....	.....	.....	.....	.....	.....	.....
Professional service	693	680	13	552	141	5	684	4	3	2	.....	.....	533	139	12	.....	3	.....	1	.....
Actors, professional showmen, etc	7	6	1	7	.....	.....	7	.....	.....	.....	.....	.....	6	.....	1	.....	.....	.....	.....	.....
Architects, designers, draftsmen, etc	31	31	.....	31	.....	.....	31	.....	.....	.....	.....	.....	31	.....	.....	.....	.....	.....	.....	.....
Artists and teachers of art	54	54	.....	20	34	1	52	1	1	.....	.....	.....	18	34	.....	.....	1	.....	.....	.....
Clergymen	98	91	7	94	4	.....	96	2	.....	.....	.....	.....	86	4	6	.....	1	.....	1	.....
Dentists	17	17	.....	17	.....	.....	17	.....	.....	.....	.....	.....	17	.....	.....	.....	.....	.....	.....	.....
Electricians	14	14	.....	14	.....	.....	14	.....	.....	.....	.....	.....	14	.....	.....	.....	.....	.....	.....	.....
Engineers (civil, etc.) and surveyors	38	38	.....	38	.....	.....	38	.....	.....	.....	.....	.....	38	.....	.....	.....	.....	.....	.....	.....
Journalists	37	37	.....	31	6	.....	37	.....	.....	.....	.....	.....	31	6	.....	.....	.....	.....	.....	.....
Lawyers	83	81	2	82	1	.....	83	.....	.....	.....	.....	.....	80	1	2	.....	.....	.....	.....	.....
Literary and scientific persons	29	29	.....	17	12	1	28	.....	.....	1	.....	.....	17	11	.....	.....	.....	.....	.....	.....
Musicians and teachers of music	37	37	.....	12	25	3	34	.....	2	1	.....	.....	10	24	.....	.....	.....	.....	.....	.....
Officials (government)	51	51	.....	45	6	.....	51	.....	.....	.....	.....	.....	45	6	.....	.....	.....	.....	.....	.....
Physicians and surgeons	96	94	2	92	4	.....	95	1	.....	.....	.....	.....	89	4	2	.....	1	.....	.....	.....
Teachers and professors in colleges, etc	88	87	1	39	49	.....	88	.....	.....	.....	.....	.....	38	49	1	.....	.....	.....	.....	.....
Other professional service	13	13	.....	13	.....	.....	13	.....	.....	.....	.....	.....	13	.....	.....	.....	.....	.....	.....	.....
Domestic and personal service	2,921	2,586	335	1,791	1,130	128	2,775	18	58	50	9	11	1,570	895	142	168	9	4	3	2
Barbers and hairdressers	48	43	5	44	4	3	45	.....	2	1	.....	.....	37	3	5	.....	.....	.....	.....	.....
Bartenders	6	6	.....	6	.....	.....	6	.....	.....	.....	.....	.....	6	.....	.....	.....	.....	.....	.....	.....
Boarding and lodging house keepers	112	108	4	15	97	.....	112	.....	.....	.....	.....	.....	14	94	1	3	.....	.....	.....	.....
Hotel keepers	78	78	.....	61	17	.....	78	.....	.....	.....	.....	.....	61	17	.....	.....	.....	.....	.....	.....
Housekeepers and stewards	139	135	4	8	131	4	135	.....	.....	4	.....	.....	4	127	4	.....	.....	.....	.....	.....
Janitors and sextons	59	58	1	51	8	.....	59	.....	.....	.....	.....	.....	50	8	1	.....	.....	.....	.....	.....
Laborers (not specified)	1,501	1,365	136	1,420	81	64	1,425	12	53	4	6	1	1,240	58	110	17	9	1	2	.....
Launderers and laundresses	242	163	79	13	229	4	237	1	.....	1	.....	3	13	149	.....	75	.....	.....	.....	1
Nurses and midwives	48	40	8	5	43	.....	48	.....	.....	.....	.....	.....	5	35	.....	8	.....	.....	.....	.....
Restaurant keepers	15	14	1	15	.....	.....	15	.....	.....	.....	.....	.....	14	.....	1	.....	.....	.....	.....	.....
Saloon keepers	22	22	.....	22	.....	.....	22	.....	.....	.....	.....	.....	22	.....	.....	.....	.....	.....	.....	.....
Servants and waiters	591	497	94	73	518	53	533	5	3	40	3	7	49	402	17	65	.....	3	1	1
Soldiers, sailors, and marines (U. S.)	3	3	.....	3	.....	.....	3	.....	.....	.....	.....	.....	3	.....	.....	.....	.....	.....	.....	.....
Watchmen, policemen, firemen, etc	42	42	.....	42	.....	.....	42	.....	.....	.....	.....	.....	42	.....	.....	.....	.....	.....	.....	.....
Other domestic and personal service	15	12	3	13	2	.....	15	.....	.....	.....	.....	.....	10	2	3	.....	.....	.....	.....	.....
Trade and transportation	1,684	1,648	36	1,533	151	49	1,629	6	42	4	3	.....	1,450	146	32	1	6	.....	.....	.....
Agents	170	168	2	146	24	1	169	.....	.....	1	.....	.....	144	23	2	.....	.....	.....	.....	.....
Bankers and brokers	101	101	.....	69	32	.....	101	.....	.....	.....	.....	.....	69	32	.....	.....	.....	.....	.....	.....
Boatmen and sailors	37	36	1	37	.....	.....	37	.....	.....	.....	.....	.....	36	.....	1	.....	.....	.....	.....	.....
Bookkeepers and accountants	97	96	1	77	20	3	94	.....	1	1	1	.....	75	19	.....	.....	.....	.....	.....	.....
Clerks and copyists	158	157	1	147	11	10	147	1	10	.....	.....	.....	135	11	1	.....	1	.....	.....	.....
Commercial travelers	25	25	.....	24	1	.....	25	.....	.....	.....	.....	.....	24	1	.....	.....	.....	.....	.....	.....
Draymen, hackmen, teamsters, etc	150	140	10	149	1	8	140	2	8	.....	.....	.....	129	1	10	.....	2	.....	.....	.....
Foremen and overseers	3	3	.....	2	1	.....	3	.....	.....	.....	.....	.....	2	1	.....	.....	.....	.....	.....	.....
Hostlers	23	22	1	23	.....	1	22	.....	1	.....	.....	.....	21	.....	1	.....	.....	.....	.....	.....
Hucksters and peddlers	42	42	.....	36	6	.....	42	.....	.....	.....	.....	.....	36	6	.....	.....	.....	.....	.....	.....
Livery stable keepers	27	27	.....	26	1	1	26	.....	1	.....	.....	.....	25	1	.....	.....	.....	.....	.....	.....
Merchants and dealers (except wholesale)	595	589	6	559	36	8	585	2	7	1	.....	.....	545	34	5	1	2	.....	.....	.....
Merchants and dealers (wholesale)	3	3	.....	3	.....	.....	3	.....	.....	.....	.....	.....	3	.....	.....	.....	.....	.....	.....	.....
Messengers and errand and office boys	7	6	1	7	.....	2	5	.....	1	.....	1	.....	5	.....	.....	.....	.....	.....	.....	.....
Officials of banks and companies	18	18	.....	17	1	.....	18	.....	.....	.....	.....	.....	17	1	.....	.....	.....	.....	.....	.....
Packers and shippers	9	9	.....	9	.....	2	7	.....	2	.....	.....	.....	7	.....	.....	.....	.....	.....	.....	.....
Porters and helpers (in stores, etc.)	17	9	8	17	.....	1	16	.....	.....	.....	1	.....	9	.....	7	.....	.....	.....	.....	.....
Salesmen and saleswomen	57	57	.....	51	6	3	53	1	2	1	.....	.....	48	5	.....	.....	1	.....	.....	.....

TABLE 41.—THE PARTIALLY DEAF 10 YEARS OF AGE AND OVER ENGAGED IN EACH SPECIFIED OCCUPATION, CLASSIFIED BY RACE, SEX, AND PRESENT AGE: 1900—Continued.

OCCUPATION.	Aggregate.	RACE.		SEX.		PRESENT AGE.													
						Total.			Under 20.				20 and over.				Unknown.			
		White.	Colored.	Male.	Female.				White.		Colored.		White.		Colored.		White.		Colored.	
						Under 20.	20 and over.	Unknown.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
Trade and transportation—Continued.																				
Steam railroad employees	91	86	5	87	4	3	88		3				79	4	5					
Stenographers and typewriters	12	12		5	7	1	11		1				4	7						
Street railway employees	1	1		1			1						1							
Telegraph and telephone linemen	2	2		2			2						2							
Telegraph and telephone operators	16	16		16			16						16							
Undertakers	11	11		11			11						11							
Other persons in trade and transportation	12	12		12		5	7		5				7							
Manufacturing and mechanical pursuits	4,859	4,755	104	3,843	1,016	129	4,718	12	87	37	5		3,672	947	67	32	12			
Building trades	1,262	1,240	22	1,248	14	23	1,235	4	21		2		1,201	14	20		4			
Carpenters and joiners	750	739	11	744	6	11	737	2	10		1		721	6	10		2			
Masons (brick and stone)	151	146	5	151		2	148	1	1		1		144		4		1			
Painters, glaziers, and varnishers	176	173	3	171	5	4	171	1	4				163	5	3		1			
Paper hangers	25	23	2	25			25						23		2					
[illegible]	42	41	1	41	1	2	40		2				38	1	1					
[illegible]	16	16		16		1	15		1				15							
Roofers and slaters	7	7		7			7						7							
Mechanics (not otherwise specified)	95	95		93	2	3	92		3				90	2						
Chemicals and allied products	13	13		13			13						13							
Oil well and oil works employees	13	13		13			13						13							
Other chemical workers																				
Clay, glass, and stone products	66	64	2	66		2	64		2				62		2					
Brick and tile makers, etc.	13	12	1	13		2	11		2				10		1					
Glassworkers	13	13		13			13						13							
Marble and stone cutters	37	36	1	37			37						36		1					
Potters	3	3		3			3						3							
Fishing and mining	247	238	9	243	4	8	239		6		2		228	4	7					
Fishermen and oystermen	63	59	4	62	1		63						58	1	4					
Miners and quarrymen	184	179	5	181	3	8	176		6		2		170	3	3					
Food and kindred products	179	177	2	165	14	4	175		4				159	14	2					
Bakers	42	42		35	7		42						35	7						
Butchers	68	68		67	1	4	64		4				63	1						
Butter and cheese makers	4	4		4			4						4							
Confectioners	22	22		17	5		22						17	5						
Millers	41	40	1	40	1		41						39	1	1					
Other food preparers	2	1	1	2			2						1		1					
Iron and steel and their products	553	541	12	549	4	9	542	2	9				527	3	11	1	2			
Blacksmiths	264	255	9	263	1	5	258	1	5				249		8	1	1			
[illegible]	77	77		74	3	3	74		3				71	3						
[illegible]	129	128	1	129		1	127	1	1				126		1		1			
[illegible]	51	49	2	51			51						49		2					
[illegible]	3	3		3			3						3							
[illegible]	14	14		14			14						14							
[illegible]	13	13		13			13						13							
[illegible]	2	2		2			2						2							
Leather and its finished products	309	306	3	294	15	7	301	1	5	2			285	13	3		1			
Boot and shoe makers and repairers	235	232	3	220	15	7	227	1	5	2			211	13	3		1			
Harness and saddle makers and repairers	51	51		51			51						51							
Leather curriers and tanners	19	19		19			19						19							
Trunk and leather-case makers, etc.	4	4		4			4						4							
Liquors and beverages	4	4		4			4						4							
Bottlers and soda water makers, etc.	3	3		3			3						3							
Brewers and maltsters	1	1		1			1						1							
Distillers and rectifiers																				

TABLE 41.—THE PARTIALLY DEAF 10 YEARS OF AGE AND OVER ENGAGED IN EACH SPECIFIED OCCUPATION, CLASSIFIED BY RACE, SEX, AND PRESENT AGE: 1900—Continued.

OCCUPATION.	Aggregate.	RACE.		SEX.		PRESENT AGE.														
						Total.			Under 20.				20 and over.				Unknown.			
		White.	Colored.	Male.	Female.				White.		Colored.		White.		Colored.		White.		Colored.	
						Under 20.	20 and over.	Unknown.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
Lumber and its remanufactures	338	328	10	331	7	15	322	1	14	1			307	5	9	1	1			
Cabinetmakers	61	61		61		7	54		7				54							
Coopers	46	45	1	45	1		46						44	1	1					
Saw and planing mill employees	71	71		70	1	3	68		3				67	1						
Other woodworkers	160	151	9	155	5	5	154	1	4	1			142	3	8	1	1			
Metals and metal products other than iron and steel	97	96	1	95	2	1	96		1				93	2	1					
Brassworkers	7	7		7			7						7							
Clock and watch makers and repairers	17	17		17			17						17							
Gold and silver workers	6	5	1	5	1		6						4	1	1					
Tin plate and tinware makers	42	42		41	1		42						41	1						
Other metal workers	25	25		25		1	24		1				24							
Paper and printing	126	126		111	15	12	112	2	10	2			99	13			2			
Bookbinders	12	12		9	3	1	11		1				8	3						
Boxmakers (paper)	4	4		3	1	1	3			1			3							
Engravers	3	3		3			3						3							
Paper and pulp mill operatives	13	13		10	3		12	1					9	3			1			
Printers, lithographers, and pressmen	94	94		86	8	10	83	1	9	1			76	7			1			
Textiles	1,113	1,082	31	220	893	33	1,079	1	5	28			211	837	3	28	1			
Bleachery and dye works [illegible]	10	10		10			10						10							
[illegible]	24	24		10	14		24						10	14						
[illegible]	58	58		28	30	4	54		3	1			25	29						
[illegible] operatives	10	10			10	1	9			1				9						
[illegible]	6	6		1	5	1	5			1			1	4						
[illegible]	51	51		33	18		50	1					32	18			1			
[illegible]	13	11	2	7	6	1	12			1			5	5	2					
[illegible]	392	383	9	1	391	7	385			7			1	375		9				
[illegible]	12	12		9	3		12						9	3						
Minders	37	37		2	35	4	33			4			2	31						
Seamstresses	298	280	18	1	297	8	290			8			1	271		18				
[illegible]	10	10		1	9	1	9			1			1	8						
[illegible]	166	165	1	109	57	5	161		2	3			106	54	1					
Other textile workers	26	25	1	8	18	1	25			1			8	16		1				
Miscellaneous industries	552	540	12	504	48	15	536	1	10	4	1		483	42	9	2	1			
Broom and brush makers	16	15	1	15	1	1	15		1				13	1	1					
Charcoal, coke, and lime burners	5	4	1	5			5						4		1					
Engineers and firemen (not locomotive)	97	93	4	97		2	95		2				91		4					
[illegible]	9	9		4	5		9						4	5						
[illegible] etc.	193	193		190	3		193						190	3						
[illegible]	17	17		17			17						17							
[illegible]	27	27		23	4		27						23	4						
[illegible]	2	2		2			2						2							
Tobacco and cigar factory [illegible]	71	70	1	60	11	7	63	1	6	1			53	9		1	1			
[illegible]	25	25		25			25						25							
Other [illegible] tries	90	85	5	66	24	5	85		1	3	1		61	20	3	1				

TABLE 42.—THE TOTALLY DEAF 10 YEARS OF AGE AND OVER ENGAGED IN EACH SPECIFIED OCCUPATION, BY ABILITY TO SPEAK AND AGE WHEN DEAFNESS OCCURRED: 1900.

OCCUPATION.	Total.	ABILITY TO SPEAK.			AGE WHEN DEAFNESS OCCURRED.												
					Under 20.							20 and over.					
		Well.	Imperfectly.	Not at all.	Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.	Unknown.
All occupations	12,678	3,094	1,626	7,958	3,510	1,655	2,857	1,702	723	500	179	916	304	75	7	48	202
Agricultural pursuits	4,761	1,181	522	3,058	1,542	610	826	541	282	215	62	400	154	36	5	21	67
Agricultural laborers	1,218	143	125	950	540	154	202	132	67	37	16	36	11	3		4	16
Dairymen and dairywomen	7	5	1	1		1		3		1		2					
[illegible]	3,366	972	379	2,015	968	437	597	387	198	160	42	370	130	31	5	17	44
[illegible]	75	29	9	37	17	4	12	7	7	5	4	4	9	2			4
[illegible]	31	12	2	17	5	3	7	3	5	3		5					
[illegible]	41	13	5	23	6	9	6	7	4	4		2	3				
Turpentine farmers and laborers	1			1													1
Wood choppers	18	5		13	6	2	1	1	1	4			1				2
Other agricultural pursuits	4	2	1	1			1	1		1		1					
Professional service	387	194	53	140	50	35	89	95	40	14	4	31	13	6		1	9
Actors, professional showmen, etc.	16	7	3	6			4	4	1	1	1	2		1			2
Architects, designers, draftsmen, etc.	15	11		4	1	2	4	1	2	1		4					
Artists and teachers of art	60	19	10	31	9	8	22	13	4	1		2					1
Clergymen	18	15	2	1			2	4	1	1		2	5	3			
Dentists	3	2		1		1				1		1					
[illegible]	4	3		1			1	1				1					1
[illegible]	5	5			1			1	1			1		1			
[illegible]	17	15	2				1	7	5	2		2					
Lawyers	7	5	1	1		1	1					4	1				
Literary and scientific persons	11	10	1					4	1	1		2	1			1	1
[illegible]	2	2							1				1				
[illegible]	11	5		6	3		2	3		2		1					
[illegible]	10	9	1				1					5	4				
[illegible] etc.	206	84	33	89	36	23	51	57	24	4	3	2	1	1			4
Other professional service	2	2										2					
Domestic and personal service	2,395	486	297	1,612	730	266	516	337	140	92	42	157	30	6	1	10	59
Barbers and hairdressers	74	15	10	49	9	18	24	8	6	1	1	6					1
Bartenders	3	1		2		1		1		1							
Boarding and lodging house keepers	13	7	2	4	3		1	2	3	1	1	1					1
Hotel keepers	18	12		6	3	1	1	3	1		1	3	3	1		1	
Housekeepers and stewards	91	27	8	56	29	10	17	17	3	2	1	9	1				2
Janitors and sextons	15	8		7	2	2	2	1		1	2	5					
Laborers (not specified)	1,217	219	146	852	362	149	286	165	59	44	17	80	23	3		5	24
Launderers and laundresses	210	55	26	129	58	12	41	35	20	14	3	19	1	1			6
Nurses and midwives	9	2	2	5	2	1	3			1	1		1				
Restaurant keepers	6	3	2	1			1	2	1	1		1					
Saloon keepers	4	2	1	1				2					1				1
Servants and waiters	712	131	95	486	255	71	135	98	43	24	15	33	8	1	1	4	24
[illegible]																	
[illegible]	6	1	1	4	2		1	2	1								
[illegible]	17	3	4	10	5	1	4	1	3	2			1				
Trade and transportation	552	220	63	269	111	53	109	75	45	37	8	69	21	6		5	7
Agents	61	28	4	29	14	4	10	5	3	4	1	11	8				1
Bankers and brokers	18	12	1	5	2	2		2	2			8		1		1	
Boatmen and sailors	8	3	1	4	2		2	1	1			2					
Bookkeepers and accountants	27	16	5	6	5	2	3	7	1			7	1				1
Clerks and copyists	105	39	11	55	19	16	25	17	8	11	2	6				1	
Commercial travelers	8	1	2	5	2	2		3				1					
Draymen, hackmen, teamsters, etc.	56	18	8	30	14	8	10	8	3	5	1	5		1			1
Foremen and overseers																	
Hostlers	24	3	2	19	10	1	6	2	2		1	1					1
Hucksters and peddlers	24	6	4	14	6	1	6	3	3	2		1	2				
Livery stable keepers	3	2		1			1			1				1			
Merchants and dealers (except wholesale)	115	57	14	44	15	13	22	12	13	8	2	17	8	2		2	1
Merchants and dealers (wholesale)	4	2	1	1	1			1				2					
Messengers and errand and office boys	6	1	2	3	1	1	1		2			1					
Officials of banks and companies	4	2	1	1			1	1				1		1			
Packers and shippers	17	5	3	9	2	2	5	4	3								1
Porters and helpers (in stores, etc.)	22	4	1	17	8	2	4	4	1	1		2					
[illegible]	20	10		10	5	2	7		1	2	1		2				
[illegible]	15	8	2	5	2		2	3	1	2		3				1	1
[illegible]	3	1	1	1		1	1		1								
[illegible]																	
[illegible]	1			1			1										
[illegible]																	
Undertakers	2			2	1			1									
Other persons in trade and transportation	9	2		7	2	2	2	1		1		1					
Manufacturing and mechanical pursuits	4,583	1,013	691	2,879	1,077	685	1,317	654	216	142	63	259	77	21	1	11	60
Building trades	738	194	99	445	147	106	198	103	32	33	10	60	24	7		3	15
Carpenters and joiners	371	111	48	212	74	51	100	48	16	15		36	15	6		2	8
Masons (brick and stone)	52	13	8	31	14	6	7	8	1	5	1	5	1	1			3
Painters, glaziers, and varnishers	223	47	27	149	37	38	65	37	10	9	5	11	7				4
Paper hangers	5	2	1	2			2	1		1	1						
Plasterers	17	9		8	1	1	5	3	2	1	1	2	1				
Plumbers and gas and steam fitters	4		1	3	2	1		1									
Roofers and slaters																	
Mechanics (not otherwise specified)	66	12	14	40	19	9	19	5	3	2	2	6				1	
Chemicals and allied products	7	2	2	3	1	1	1	2	1		1						
Oil well and oil works employees	3	1	1	1			1	1	1								
Other chemical workers	4	1	1	2	1	1		1			1						
Clay, glass, and stone products	63	13	6	44	15	9	21	7	1	3		4	1	1			1
Brick and tile makers, etc.	13	1	1	11	5	2	3	1						1			1
Glassworkers	11	2		9	3	3	2	2		1							
Marble and stone cutters	33	7	5	21	6	3	14	3	1	1		4	1				
Potters	6	3		3	1	1	2	1		1							

TABLE 42.—THE TOTALLY DEAF 10 YEARS OF AGE AND OVER ENGAGED IN EACH SPECIFIED OCCUPATION, BY ABILITY TO SPEAK AND AGE WHEN DEAFNESS OCCURRED: 1900—Continued.

OCCUPATION.	Total.	ABILITY TO SPEAK.			AGE WHEN DEAFNESS OCCURRED.												
					Under 20.							20 and over.					Unknown.
		Well.	Imperfectly.	Not at all.	Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.	
Fishing and mining	103	27	11	65	33	9	17	12	10	8		11	3				
Fishermen and oystermen	22	4	1	17	14	1	1	1	1	3		1					
Miners and quarrymen	81	23	10	48	19	8	16	11	9	5		10	3				
Food and kindred products	118	31	18	69	20	22	29	15	8	9	1	8	3				3
Bakers	61	11	8	42	10	13	19	9	2	2		4					2
Butchers	23	9	2	12	4	4	2	3	5	2		1	2				
Butter and cheese makers	2	1		1	1							1					
Confectioners	14	7	5	2	1	2	3	1	1	4		1					1
Millers	8	1	1	6	1	2	2	1			1		1				
Other food preparers	10	2	2	6	3	1	3	1		1		1					
Iron and steel and their products	316	85	43	188	70	36	96	40	17	14	3	28	8	1			3
Blacksmiths	84	35	12	57	19	6	11	11	5	6	1	20	3	1			1
Iron and steel workers	106	18	14	74	20	11	44	14	5	3	1	4	2				2
Machinists	87	22	12	53	21	15	23	12	6	4	1	2	3				
Steam boiler makers	3	1	1	1	1		1		1								
[illegible]	4	1		3		2	1	1									
[illegible]	12	3	2	7	3		7	1				1					
[illegible]	11	2		9	4	2	3	1		1							
[illegible]	9	3	2	4	2		6					1					
Leather and its finished products	646	96	88	462	178	97	207	78	26	11	10	21	8	5		1	4
Boot and shoe makers and repairers	559	74	74	411	162	81	177	72	22	9	9	16	2	4		1	4
Harness and saddle makers and repairers	59	12	10	37	11	11	23	2	1		1	4	5	1			
Leather curriers and tanners	22	8	3	11	3	4	7	2	3	2		1					
Trunk and leather-case makers, etc.	6	2	1	3	2	1		2					1				
Liquors and beverages	15	3		12	4	1	4	5	1								
Bottlers and soda water makers, etc.	10	2		8	1		4	4	1								
Brewers and maltsters	2	1		1	1			1									
Distillers and rectifiers	3			3	2	1											
Lumber and its remanufactures	392	63	49	280	87	71	129	51	12	9	8	15	4	2		1	3
Cabinetmakers	119	16	13	90	28	27	39	13	3	2	2	2	1	1			1
Coopers	46	8	7	31	11	5	14	11	1	2		2					
Saw and planing mill employees	39	3	5	31	12	3	14	3	1		2	2				1	1
Other woodworkers	188	36	24	128	36	36	62	24	7	5	4	9	3	1			1
Metals and metal products other than iron and steel	107	33	13	61	19	13	37	16	5	5		8	3				1
Brassworkers	12	4	2	6	3		5	1		2							1
Clock and watch makers and repairers	18	1		17	4	5	7	2									
Gold and silver workers	11	3	1	7	1	2	4	4									
Tin plate and tinware makers	23	8	5	10	3	2	6	5	1	2		3	1				
Other metal workers	43	17	5	21	8	4	15	4	4	1		5	2				
Paper and printing	480	92	80	308	108	90	155	73	26	9	7	7		1			4
Bookbinders	42	6	4	32	7	7	19	5		1	1	1		1			
Boxmakers (paper)	14	2	2	10	2		8	1	2	1							
[illegible]	24	10	8	6	3	5	6	6	1		1	2					
[illegible]	18	1	3	14	5	4	7	1				1					
[illegible] men	382	73	63	246	61	74	115	60	23	7	5	3					4
Textiles	1,101	260	193	648	295	157	288	173	53	29	12	54	13	3		5	19
Bleachery and dye works operatives	3		1	2	1	1	1										
Carpet [illegible]	21	3	2	16	6	2	8	2	1	1	1						
Cotton m[illegible]	78	14	12	52	23	11	13	10	1	3	2	4					1
Hosiery [illegible] tives	21	5	5	11	5	4	6	2			2	1		1			
[illegible]	9	2	1	6	2	2	3			1		1					
[illegible]	35	11	5	19	6	5	7	7	3	2		1	1				3
[illegible]	11	2	2	7	3	2	1	3	1			1					
[illegible]	314	87	62	165	75	44	84	56	18	10	1	14	3			3	6
[illegible]	14	3	2	9	2	1	6	4	1								
[illegible]	16	2	6	8	4	2	5	4				1					
[illegible]	306	78	53	175	85	34	72	51	18	7	4	20	6	1		1	7
[illegible]	24	5	2	17	8	3	6	5	1			1					
[illegible]	236	43	57	156	63	44	69	29	7	5	2	7	2	1			2
[illegible]	13	5	3	5	2	2	2		2			3	1			1	
Miscellaneous industries	497	114	83	294	100	73	135	73	24	12	11	43	10	1	1	1	7
Broom and brush makers	23	10	4	15	4	3	6	8		2		4					2
[illegible]	1	1										1					
[illegible] tives	29	12	3	14	8	1	3	4	1		1	10	1				
Glassmakers	9	2	2	5	2	1	3	1				2					
[illegible]	55	15	19	21	2	5	14	9	5	3		10	4				3
[illegible]	10	3	2	5	2	2	2	1			1	1	1				
Photographers	28	8	6	14	4	7	10	4	1	1		1					
Rubber factory operatives	10	3	2	5	3	1	3	1				1					1
Tobacco and cigar factory operatives	162	32	27	103	38	24	41	29	12	4	4	7	1			1	1
Upholsterers	31	8	3	20	5	4	10	4	3	1		2	2				
Other miscellaneous industries	133	20	21	92	32	25	43	18	2	1	5	4	1	1	1		

TABLE 43.—THE PARTIALLY DEAF 10 YEARS OF AGE AND OVER ENGAGED IN EACH SPECIFIED OCCUPATION, BY ABILITY TO SPEAK AND AGE WHEN DEAFNESS OCCURRED: 1900.

OCCUPATION.	Total.	ABILITY TO SPEAK.			AGE WHEN DEAFNESS OCCURRED.												
					Under 20.							20 and over.					Unknown.
		Well.	Imperfectly.	Not at all.	Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.	
All occupations	19,464	18,180	1,096	188	576	398	1,146	1,403	1,395	1,598	431	6,311	3,275	1,681	109	446	695
Agricultural pursuits	9,307	8,626	591	90	329	199	498	575	571	623	200	2,887	1,783	1,035	77	215	315
Agricultural laborers	798	579	184	35	95	54	111	98	67	48	35	133	70	34	2	17	34
Dairymen and dairywomen	22	22						1	1	1		13	4	1	1		
[illegible]	8,002	7,625	385	52	228	140	372	456	469	540	157	2,601	1,632	947	70	188	262
[illegible]	255	248	6	1	3	2	8	11	16	15	5	82	52	38	3	8	12
[illegible]	20	20						1	1	3	1	8	5	1			
Stock raisers, herders, and drovers	106	97	9		1	3	7	8	11	11	1	38	14	7	1	1	3
Turpentine farmers and laborers	3	3								3							
Wood choppers	34	25	7	2	2				4	2	1	8	6	6		1	4
Other agricultural pursuits	7	7							2			4		1			
Professional service	693	675	15	3	9	9	38	49	54	56	24	257	107	50	4	15	21
Actors, professional showmen, etc.	7	7					1		1	1		4					
Architects, designers, draftsmen, etc	31	30	1				3	4	3	1	1	14	2	3			
Artists and teachers of art	54	49	4	1	1	3	10	7	8	3	1	14	4	1		1	1
Clergymen	98	97	1		1	1	3	5	7	5	5	31	20	11	3	4	2
[illegible]	17	17					2	1	2	1	2	7	2				
[illegible]	14	13	1		1		1	1	1			9	1				
[illegible]	38	38						1	2	9		12	9	3			2
[illegible]	37	36	1			1	2	4	4	2	2	16	4				2
Lawyers	83	82	1				1	3	5	6	2	37	13	10	1	1	4
Literary and scientific persons	29	28	1		1		2	2	1	2		14	6	1			
Musicians and teachers of music	37	36	1		1		3	2	4	8	4	12	2				1
Officials (government)	51	51						4	2	6	1	17	15	2			4
Physicians and surgeons	96	96			1		3	4	3	8	2	32	23	12		4	4
Teachers and professors in colleges, etc.	88	82	4	2	3	4	6	7	10	4	3	33	5	7		5	1
Other professional service	13	13					1	4	1		1	5	1				
Domestic and personal service	2,921	2,644	230	47	126	70	204	251	229	253	67	938	405	164	10	76	128
Barbers and hairdressers	48	40	5	3	3	1	7	5	1	6		15	6	2			2
Bartenders	6	6							1	2		2				1	
Boarding and lodging house keepers	112	111	1			1	3	5	5	4	5	54	27	3	1	1	3
Hotel keepers	78	78					4	3	2	3	2	30	18	13		2	1
Housekeepers and stewards	139	131	7	1	6	6	13	9	6	10	6	51	17	7		3	5
Janitors and sextons	59	58	1		2		2	2	4	5	1	26	11	2		1	3
Laborers (not specified)	1,501	1,354	118	29	62	38	100	126	116	134	24	466	206	98	7	50	74
Launderers and laundresses	242	225	14	3	5		18	22	27	21	7	83	35	9		2	13
Nurses and midwives	48	46	2			2	1	3	1	3		18	7	8		1	4
Restaurant keepers	15	12	3			1	2	1		2		5	3	1			
Saloon keepers	22	22			1				1	3		5	8	1		1	2
[illegible]	591	503	77	11	46	21	53	74	58	56	20	158	61	16	1	9	18
[illegible] U.S.)	3	3								2		1					
[illegible] etc.	42	40	2				1		4	1	2	18	5	4	1	3	3
Other domestic and personal service	15	15			1			1	3	1		6	1			2	
Trade and transportation	1,684	1,646	34	4	18	17	97	112	126	189	41	592	283	111	6	38	54
Agents	170	169	1				5	6	14	17	8	57	31	17	1	5	9
Bankers and brokers	101	99	2		1		4	3	4	8	4	29	20	19	2	3	4
Boatmen and sailors	37	37					2	2	1	5		9	8	7		2	1
Bookkeepers and accountants	97	96	1			1	3	10	16	12	3	31	14	4		1	2
Clerks and copyists	158	153	4	1	1	2	7	13	17	22	4	64	20	4		3	1
[illegible]	25	25			1		2	1	1	5	1	9	3			1	1
[illegible]	150	143	7		4		14	10	13	12	3	53	25	4		3	9
[illegible]	3	3					2	1									
[illegible]	23	22	1				5	1	1	4		8		2			2
[illegible]	42	42			1			4	3	4	1	13	7	5		3	1
[illegible]	27	27				1	2	2	3	2		9	6			1	1
Merchants and dealers (except wholesale)	595	584	9	2	6	7	29	36	35	74	11	213	115	43	1	13	12
Merchants and dealers (wholesale)	3	3										2		1			
Messengers and errand and office boys	7	7							2			2	1				2
Officials of banks and companies	18	18					1		1	1		8	3		1	1	2
Packers and shippers	9	8	1			1	2	1	1			3	1				
Porters and helpers (in stores, etc.)	17	16		1	2			1	1	1	1	8	1	1	1		
Salesmen and saleswomen	57	53	4		1	1	6	4	3	5	2	21	9			1	4
Steam railroad employees	91	88	3		1	3	6	10	7	10	2	34	11	4		1	2
[illegible]	12	12				1	2	3		4		1	1				
[illegible]	1	1										1					
[illegible]	2	2								1		1					
[illegible]	16	16					1		1	2		11	1				
[illegible]	11	11					1		1			4	5				
Other persons in trade and transportation	12	11	1				3	4	1		1	1	1				1
Manufacturing and mechanical pursuits	4,859	4,589	226	44	94	103	309	416	415	477	99	1,637	697	321	12	102	177
Building trades	1,262	1,213	38	11	18	17	68	75	90	115	26	434	216	122	3	30	48
Carpenters and joiners	750	726	17	7	8	12	35	34	46	56	18	246	146	93	3	20	33
Masons (brick and stone)	151	148	3		1	1	5	10	19	16	1	51	25	15		3	4
Painters, glaziers, and varnishers	176	166	7	3	5	2	17	13	14	18	3	65	24	7		2	6
Paper hangers	25	25					3	4	3	3		11	1				
[illegible]	42	38	3	1			2	5	1	5	2	19	4	2		1	1
[illegible]	16	15	1					3	3	3		4	1			1	1
[illegible]	7	7								2		3	1				1
[illegible]	95	88	7		4	2	6	6	4	12	2	35	14	5		3	2
Chemicals and allied products	13	13						2		1		4	5			1	
Oil well and oil works employees	13	13						2		1		4	5			1	
Other chemical workers																	
Clay, glass, and stone products	66	62	3	1	1		5	6	8	6		23	10	5			2
Brick and tile makers, etc	13	13					2	3	1			5	1				1
Glassworkers	13	11	1	1			1	1	3	2		4		1			1
Marble and stone cutters	37	35	2				1	2	4	4		13	9	4			
Potters	3	3			1		1					1					

TABLE 43.—THE PARTIALLY DEAF 10 YEARS OF AGE AND OVER ENGAGED IN EACH SPECIFIED OCCUPATION, BY ABILITY TO SPEAK AND AGE WHEN DEAFNESS OCCURRED: 1900—Continued.

OCCUPATION.	Total.	ABILITY TO SPEAK.			AGE WHEN DEAFNESS OCCURRED.												
					Under 20.							20 and over.					Unknown.
		Well.	Imperfectly.	Not at all.	Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.	
Fishing and mining	247	234	11	2	5	8	17	22	22	29	1	81	30	25			7
Fishermen and oystermen	63	58	4	1	2	2	2	5	6	6		24	7	7			2
Miners and quarrymen	184	176	7	1	3	6	15	17	16	23	1	57	23	18			5
Food and kindred products	179	174	4	1	1	4	6	15	14	23	3	64	27	8		6	8
Bakers	42	39	2	1	1	1	1	4	4	8	1	12	6	3			1
Butchers	68	67	1			3	3	8	7	7		25	8			3	4
Butter and cheese makers	4	4							1	1		1	1				
Confectioners	22	21	1				1	2	2	2	1	8	5	1			
Millers	41	41					1	1		5		18	7	4		2	3
Other food preparers	2	2									1					1	
Iron and steel and their products	553	533	18	2	7	6	23	45	42	61	10	200	76	38	2	9	34
Blacksmiths	264	258	5	1	4	3	7	17	16	32	3	95	39	25	2	5	16
Iron and steel workers	77	72	4	1	2	2	3	10	10	8	2	26	7	3		1	3
Machinists	129	121	8			1	11	12	10	11	3	49	18	7			7
Steam boiler makers	51	51						2		8		20	11			3	7
Stove, furnace, and grate makers	3	3					1		1			1					
Tool and cutlery makers	14	13	1		1			2	2		2	5	1				1
Wheelwrights	13	13					1	1	3	2		4		2			
Wireworkers	2	2						1						1			
Leather and its finished products	309	268	30	11	14	12	28	26	23	24	10	78	53	17	1	11	12
Boot and shoe makers and repairers	235	202	24	9	10	11	20	23	19	16	10	52	42	13	1	9	9
Harness and saddle makers and repairers	51	47	3	1	3		3	2	3	6		18	9	3		2	2
Leather curriers and tanners	19	15	3	1	1	1	3	1	1	1		8	1	1			1
Trunk and leather-case makers, etc.	4	4					2			1			1				
Liquors and beverages	4	4							1			1				2	
Bottlers and soda water makers, etc	3	3							1			1				1	
Brewers and maltsters	1	1														1	
Distillers and rectifiers																	
Lumber and its remanufactures	338	320	17	1	11	7	25	29	25	29	5	98	59	30	1	10	9
Cabinetmakers	61	55	5	1	1	3	8	12	4	4		12	7	7		2	1
Coopers	46	43	3		1	1	6	2	4	4		19	4	4			1
Saw and planing mill employees	71	67	4		3		3	7	7	7	1	22	11	7		1	2
Other woodworkers	160	155	5		6	3	8	8	10	14	4	45	37	12	1	7	5
Metals and metal products other than iron and steel	97	88	8	1	4	3	11	7	9	5	2	34	13	5			4
Brassworkers	7	6	1			1	1	1		1		1	1				1
Clock and watch makers and repairers	17	17					1		1			9	4	1			1
Gold and silver workers	6	6						1		1		1	2				1
Tin plate and tinware makers	42	37	4	1	3	2	4	5	6	1		16	3	1			1
Other metal workers	25	22	3		1		5		2	2	2	7	3	3			
Paper and printing	126	110	15	1	5	9	9	21	14	9	2	36	8	3		2	8
Bookbinders	12	12			1		1	1	1		1	6	1				
Boxmakers (paper)	4	4						1	1			2					
Engravers	3	3						2				1					
Paper and pulp mill operatives	13	13							1	1		7	2				2
Printers, lithographers, and pressmen	94	78	15	1	4	9	8	17	11	8	1	20	5	3		2	6
Textiles	1,113	1,036	67	10	22	23	89	123	113	131	28	371	122	43	5	19	24
[illegible]	10	10						2	1	1		3	2				1
[illegible]	24	23	1		1		1	3	4	3		7	3	1	1		
[illegible]	58	52	6		1	1	3	7	8	9	1	20	7	1			
Hosiery and knitting mill operatives	10	9	1						2	1		4	2	1			
Silk mill operatives	6	5	1					1	2			3					
Woolen mill operatives	51	50	1		2	1	3	7	6	4	1	16	5	2		1	3
Other textile mill operatives	13	13					3		1	1		4	2	2			
Dressmakers	392	379	12	1	5	7	32	43	39	52	11	152	32	8		7	4
Hat and cap makers	12	11		1			3		2	2	1	1	2				1
Milliners	37	36	1				3	2	8	1	2	14	3	1			3
Sewing women	298	269	25	4	8	9	20	32	18	35	8	104	38	8	2	9	7
Shirt, collar, and cuff makers	10	8	1	1	1		4		1	1		2					1
Tailors and tailoresses	166	147	16	3	3	5	15	24	16	18	3	37	22	16	1	2	4
Other textile workers	26	24	2		1		2	2	5	3	1	4	4	3	1		
Miscellaneous industries	552	534	15	3	6	14	28	45	54	44	12	213	78	25		12	21
[illegible]	16	15	1		1		2	1	2	1		7	1	1			
[illegible]	5	5							2			2	1				
[illegible] tive)	97	96	1		2	1	5	3	9	8	1	46	14	2		2	4
Glovemakers	9	9								1		4	4				
Manufacturers and officials, etc	193	193					6	18	10	19	4	73	35	11		5	12
Model and pattern makers	17	16	1		1		3			1	1	5	3	2			1
Photographers	27	27				1	1	3	1	2		17	2				
Rubber factory operatives	2	2										2					
Tobacco and cigar factory operatives	71	61	9	1	1	6	5	10	15	5	2	14	4	3		4	2
Upholsterers	25	23	2			2	3	3	3	1	1	8	3				1
Other miscellaneous industries	90	87	1	2	1	4	3	7	12	6	3	35	11	6		1	1

TABLE 44.—THE TOTALLY DEAF 10 YEARS OF AGE AND OVER ENGAGED IN EACH SPECIFIED OCCUPATION, BY RACE AND SCHOOL ATTENDANCE: 1900.

OCCUPATION.	WHITE.						COLORED.					
	Kind of school attended.				No schooling.	Schooling unknown.	Kind of school attended.				No schooling.	Schooling unknown.
	Special.	Other.	Both.	Not stated.			Special.	Other.	Both.	Not stated.		
All occupations	7,291	1,608	101	1,113	999	318	244	131	1	79	719	74
Agricultural pursuits	2,290	691	18	444	507	145	79	57		40	450	40
Agricultural laborers	470	114	4	45	178	32	48	26		12	265	24
Dairymen and dairywomen	2	2		2	1							
Farmers, planters, and overseers	1,735	542	13	377	320	107	28	27		26	176	15
Gardeners, florists, nurserymen, etc	40	15		11	4	3		1		1		
[illegible]	19	6		4			1	1				
[illegible]	16	9	1	4	1	1	1			1	7	
[illegible]											1	
[illegible]	7	2			3	1	1	2			1	1
[illegible]	1	1		1		1						
Professional service	271	36	23	47	1		6	1		1	1	
Actors, professional showmen, etc	10	3		2							1	
Architects, designers, draftsmen, etc	7	2	3	3								
Artists and teachers of art	48	7	1	2	1		1					
Clergymen	5	1	1	10						1		
Dentists	1	1		1								
Electricians	3			1								
Engineers (civil, etc.) and surveyors	2		2	1								
Journalists	4	8	2	3								
Lawyers	1		1	5								
Literary and scientific persons	1	6	2	2								
Musicians and teachers of music	1			1								
[illegible]	6	3		2								
[illegible]	1	2		7								
[illegible]	181	3	11	5			5	1				
Other professional service				2								
Domestic and personal service	1,156	255	8	172	283	88	104	48	1	30	220	30
Barbers and hairdressers	55	7		3	2		1	3		1	1	1
Bartenders	2	1										
Boarding and lodging house keepers	8	1		2	1	1						
Hotel keepers	6	4		4		3					1	
Housekeepers and stewards	50	14	1	8	12	3	1				1	1
Janitors and sextons	7	1		4	1		1	1				
Laborers (not specified)	644	129	3	94	144	45	37	11	1	10	84	15
Launderers and laundresses	67	17	1	12	17	10	18	14		10	35	9
Nurses and midwives	6	1		1						1		
Restaurant keepers	2	2				1		1				
Saloon keepers	1			1	1	1						
Servants and waiters	294	75	3	43	104	24	44	17		7	98	3
Soldiers, sailors, and marines (U. S.)												
Watchmen, policemen, firemen, etc	5				1							
Other domestic and personal service	9	3					2	1		1		1
Trade and transportation	302	91	11	92	16	11	12	2		1	12	2
Agents	29	15	2	14	1							
Bankers and brokers	6	3		9								
Boatmen and sailors	4	1		1	2							
Bookkeepers and accountants	17	2		8								
Clerks and copyists	75	12	3	12			2				1	
Commercial travelers	6	1		1								
Draymen, hackmen, teamsters, etc	29	10	1	6		2	2				5	1
Foremen and overseers												
Hostlers	5	3		2	7		2	1			3	1
Hucksters and peddlers	14	3		6		1						
Livery stable keepers	1	1			1							
Merchants and dealers (except wholesale)	59	20	4	24		6	2					
Merchants and dealers (wholesale)	2	2										
Messengers and errand and office boys	2	2		1	1							
Officials of banks and companies	1	2	1									
[illegible]	11	3		2	1							
[illegible]	11	2		1		1	3	1			3	
[illegible]	15	3		2								
Steam railroad employees	5	4		1	3	1				1		
Stenographers and typewriters	3											
Street railway employees												
Telegraph and telephone linemen		1										
Telegraph and telephone operators												
Undertakers	2											
Other persons in trade and transportation	5	1		2			1					
Manufacturing and mechanical pursuits	3,272	535	41	358	192	74	43	23		7	36	2
Building trades	493	113	7	76	24	13	2	2		3	4	1
Carpenters and joiners	234	57	3	45	15	9	2	1		1	3	1
Masons (brick and stone)	26	11	1	5	5	2		1		1		
Painters, glaziers, and varnishers	171	28	3	17	2	1				1		
Paper hangers	2	3										
Plasterers	7	2		5	2	1						
Plumbers and gas and steam fitters	4											
Roofers and slaters												
Mechanics (not otherwise specified)	49	12		4							1	
Chemicals and allied products	7											
Oil well and oil works employees	3											
Other chemical workers	4											

TABLE 44.—THE TOTALLY DEAF 10 YEARS OF AGE AND OVER ENGAGED IN EACH SPECIFIED OCCUPATION, BY RACE AND SCHOOL ATTENDANCE: 1900—Continued.

OCCUPATION.	WHITE.						COLORED.					
	Kind of school attended.				No schooling.	Schooling unknown.	Kind of school attended.				No schooling.	Schooling unknown.
	Special.	Other.	Both.	Not stated.			Special.	Other.	Both.	Not stated.		
Clay, glass, and stone products	45	10		5	2	1						
Brick and tile makers, etc	9	2		1	1							
Glassworkers	10	1										
Marble and stone cutters	22	6		4	1							
Potters	4	1				1						
Fishing and mining	49	16		15	15	5	1	1			1	
Fishermen and oystermen	4	4		8	6							
Miners and quarrymen	45	12		7	9	5	1	1			1	
Food and kindred products	78	20		8	6	2		2		1	1	
Bakers	45	8		4	2	1					1	
Butchers	13	5		2	2					1		
Butter and cheese makers	2											
Confectioners	7	4		2	1							
Millers	6				1			1				
Other food preparers	5	3				1		1				
Iron and steel and their products	210	46	4	28	17	5	2	2		1	1	
Blacksmiths	30	22		14	11	2	2	2		1		
Iron and steel workers	81	13	2	5	3	1					1	
[illegible]	66	11	1	6	2	1						
[illegible]	2			1								
Stove, furnace, and grate makers	4											
Tool and cutlery makers	10			2								
Wheelwrights	9		1		1							
Wireworkers	8					1						
Leather and its finished products	517	44	3	40	18	5	15	4				
Boot and shoe makers and repairers	457	34	3	29	14	4	14	4				
Harness and saddle makers and repairers	42	3		8	4	1	1					
Leather curriers and tanners	13	6		3								
Trunk and leather-case makers, etc	5	1										
Liquors and beverages	11	2			1						1	
Bottlers and soda water makers, etc	7	2			1							
Brewers and maltsters	2											
Distillers and rectifiers	2										1	
Lumber and its remanufactures	313	28	4	21	9	6	2	3			6	
Cabinetmakers	107	2		7		1	1				1	
Coopers	33	6		1	5	1						
Saw and planing mill employees	27	4	1	2	1	1		1			2	
Other woodworkers	146	16	3	11	3	3	1	2			3	
Metals and metal products other than iron and steel	77	10	2	8	4	4	1				1	
Brassworkers	10	2										
Clock and watch makers and repairers	17	1										
Gold and silver workers	10										1	
Tin plate and tinware makers	12	5		4	1	1						
Other metal workers	28	2	2	4	3	3	1					
Paper and printing	419	28	8	17	4	2	2					
Bookbinders	38	1		2	1							
Boxmakers (paper)	10	3		1								
Engravers	20	1	1	2								
Paper and pulp mill operatives	12	1		1	2	1	1					
Printers, lithographers, and pressmen	339	22	7	11	1	1	1					
Textiles	721	149	10	90	75	23	12	6		2	13	
Bleachers and dyers [illegible]	3											
[illegible]	14	2	1	2	2							
[illegible]	52	6		8	10	2						
[illegible]	15	4				2						
[illegible]	5	2			2							
[illegible]	21	9		3	1	1						
[illegible]	8			1			1				1	
Dressmakers	214	51	4	21	12	5	4	1		1	1	
Hat and cap makers	10	2		1	1							
Milliners	13	1			1	1						
Seamstresses	172	49	3	25	29	7	7	3		1	10	
Shirt, collar, and cuff makers	20	1		2	1							
Tailors and tailoresses	170	22	2	23	14	4		1				
Other textile workers	4			4	2	1		1			1	
Miscellaneous industries	332	69	3	50	17	8	6	3			8	1
Broom and brush makers	14	4	1	3	2	2	1				2	
Charcoal, coke, and lime burners								1				
Engineers and firemen (not locomotive)	14	6		6	1			1			1	
Glovemakers	5			4								
Manufacturers and officials, etc	28	15		9	1	2						
Model and pattern makers	8	1		1								
Photographers	22	5		1								
Rubber factory operatives	8	1			1							
Tobacco and cigar factory operatives	108	24	1	15	7		4	1			1	1
Upholsterers	22	4		4		1						
Other miscellaneous industries	103	9	1	7	5	3	1				4	

TABLE 45.—THE PARTIALLY DEAF 10 YEARS OF AGE AND OVER ENGAGED IN EACH SPECIFIED OCCUPATION, BY RACE AND SCHOOL ATTENDANCE: 1900.

OCCUPATION.	WHITE.						COLORED.					
	Kind of school attended.				No schooling.	Schooling unknown.	Kind of school attended.				No schooling.	Schooling unknown.
	Special.	Other.	Both.	Not stated.			Special.	Other.	Both.	Not stated.		
All occupations	615	6,825	23	7,515	1,737	1,686	13	257		214	495	84
Agricultural pursuits	205	3,147	5	3,447	1,058	870	4	121		120	279	51
Agricultural laborers	48	321	2	129	127	46	3	32		16	60	14
Dairymen and dairywomen		6		11		5						
Farmers, planters, and overseers	145	2,671	3	3,147	903	779		84		99	199	32
Gardeners, florists, nurserymen, etc	6	86		107	19	25				1	9	2
Lumbermen and raftsmen	2	5		9	1	2						1
Stock raisers, herders, and drovers	4	49		32	3	10	1	1		1	4	1
Turpentine farmers and laborers		1		1						1		
Wood choppers		5		7	5	3		4		2	7	1
Other agricultural pursuits		3		4								
Professional service	38	304	3	296	12	27		8		3	2	
Actors, professional showmen, etc		2	1	3						1		
Architects, designers, draftsmen, etc	1	18	1	9	1	1						
Artists and teachers of art	7	29		16		2						
Clergymen	3	38		40	3	7		5		1	1	
Dentists	1	8		8								
Electricians	1	7		5	1							
Engineers (civil, etc.) and surveyors		15		20		3						
Journalists	3	17		14	2	1						
Lawyers	1	31		47	1	1		1			1	
Literary and scientific persons	1	15		13								
Musicians and teachers of music		25		9	2	1						
Officials (government)		20		28	1	2						
Physicians and surgeons	2	33		52		7		1		1		
Teachers and professors in colleges, etc	18	41	1	26	1			1				
Other professional service		5		6		2						
Domestic and personal service	102	942	3	935	321	283	7	83		57	164	24
Barbers and hairdressers	8	12		17	2	4		2		1	2	
Bartenders		4		2								
Boarding and lodging house keepers	1	34		52	9	12		1		1	1	1
Hotel keepers		27		32	9	10						
Housekeepers and stewards	6	48		52	12	17		1			3	
Janitors and sextons		18		31	6	3					1	
Laborers (not specified)	57	478	1	486	193	150	3	33		28	62	10
Launderers and laundresses	2	53		74	17	17	1	19		11	43	5
Nurses and midwives		17		16	2	5		1			6	1
Restaurant keepers		4		7	2	1					1	
Saloon keepers		6		12	1	3						
Servants and waiters	27	225	2	128	64	51	3	25		16	43	7
Soldiers, sailors, and marines (U. S.)		2		1								
Watchmen, policemen, firemen, etc		10		22	2	8						
Other domestic and personal service	1	4		3	2	2		1			2	
Trade and transportation	35	620	4	789	77	123		14		6	14	2
Agents	4	56	1	89	7	11		2				
Bankers and brokers		31		54	3	13						
Boatmen and sailors		9		18	3	6					1	
Bookkeepers and accountants	1	51	1	38	1	4		1				
Clerks and copyists	7	71		68	7	4		1				
Commercial travelers	1	10		13	1							
Draymen, hackmen, teamsters, etc	3	52		57	11	17		1		4	5	
Foremen and overseers		2				1						
Hostlers		12		3	5	2					1	
Hucksters and peddlers	1	14		17	4	6						
Livery stable keepers	2	11		11	2	1						
Merchants and dealers (except wholesale)	9	210	1	310	21	38		2		2	1	1
[illegible]		1		2								
[illegible]		2		2		2					1	
[illegible]		4		11		3						
[illegible]		4		2	1	1						
[illegible]		3		2	3	1		5			2	1
[illegible]		18	1	29	1	7						
[illegible]		31		41	6	6		2			3	
[illegible]		5		7								
[illegible]				1								
[illegible]		1		1								
[illegible]		10		5	1							
[illegible]	1	4		6								
Other persons in trade and transportation	2	8		2								
Manufacturing and mechanical pursuits	235	1,812	8	2,048	269	383	2	31		28	36	7
Building trades	44	424	1	603	63	105		6		4	11	1
Carpenters and joiners	22	224	1	392	34	66				3	7	1
Masons (brick and stone)		54		67	11	14		3		1	1	
Painters, glaziers, and varnishers	12	77		66	4	14		2			1	
Paper hangers	1	8		10	2	2		1			1	
Plasterers		12		19	6	4					1	
Plumbers and gas and steam fitters	1	10		5								
Roofers and slaters		2		4		1						
Mechanics (not otherwise specified)	8	37		40	6	4						
Chemicals and allied products		6		6		1						
Oil well and oil works employees		6		6		1						
Other chemical workers												

TABLE 45.—THE PARTIALLY DEAF 10 YEARS OF AGE AND OVER ENGAGED IN EACH SPECIFIED OCCUPATION, BY RACE AND SCHOOL ATTENDANCE: 1900—Continued.

OCCUPATION.	WHITE.						COLORED.					
	Kind of school attended.				No schooling.	Schooling unknown.	Kind of school attended.				No schooling.	Schooling unknown.
	Special.	Other.	Both.	Not stated.			Special.	Other.	Both.	Not stated.		
Clay, glass, and stone products	5	26		26	2	5				1	1	
Brick and tile makers, etc		7		4		1				1		
Glassworkers	2	5		6								
Marble and stone cutters	2	13		15	2	4					1	
Potters	1	1		1								
Fishing and mining	2	96		93	24	23		4		2	2	1
Fishermen and oystermen		26		23	8	2		1		1	1	1
Miners and quarrymen	2	70		70	16	21		3		1	1	
Food and kindred products	6	77		71	10	13					1	1
Bakers	4	17		18	1	2						
Butchers	1	35		23	4	5						
Butter and cheese makers		1		3								
Confectioners		9		10	1	2						
Millers	1	14		17	4	4						1
Other food preparers		1									1	
Iron and steel and their products	16	191	1	257	24	52		2		3	6	1
Blacksmiths	3	92	1	126	13	20		1		1	6	1
Iron and steel workers	3	25		33	5	11						
Machinists	8	44		59	2	15		1				
Steam boiler makers	2	17		23	2	5				2		
Stove, furnace, and grate makers		2		1								
Tool and cutlery makers		6		6	1	1						
Wheelwrights		3		9	1							
Wireworkers		2										
Leather and its finished products	37	94		112	28	35				2		1
Boot and shoe makers and repairers	34	73		74	22	29				2		1
Harness and saddle makers and repairers		15		28	4	4						
Leather curriers and tanners	2	6		8	1	2						
Trunk and leather-case makers, etc	1			2	1							
Liquors and beverages				3		1						
Bottlers and soda water makers, etc				3								
Brewers and maltsters						1						
Distillers and rectifiers												
Lumber and its remanufactures	23	118	1	146	19	21		3		4	3	
Cabinetmakers	10	25	1	22	2	1						
Coopers	1	14		23	2	5				1		
Saw and planing mill employees	1	33		28	5	4						
Other woodworkers	11	46		73	10	11		3		3	3	
Metals and metal products other than iron and steel	10	33		46	5	2					1	
Brassworkers	2	2		2	1							
[illegible]		4		13								
[illegible]		4		1								
[illegible]		18		17	3	1					1	
Other metal workers	5	5		13	1	1						
Paper and printing	22	53	1	41	2	7						
Bookbinders		8		2		2						
Boxmakers (paper)		1		3								
[illegible]	1	1		1								
[illegible]		6		4	2	1						
[illegible]	21	37	1	31		4						
Textiles	47	472	3	413	67	80	1	15		9	6	
Bleachery and [illegible]		5		3	1	1						
Carpet factories		9		8	5	2						
Cotton mills		19		24	9	5						
Hosiery and [illegible]		4		3	3							
[illegible]	1	3		2								
[illegible]	3	21	1	13	6	7						
[illegible]	1	5		4		1						
Dressmakers	9	198	1	151	8	16		5		3	2	
Hat and cap makers	1	2		7	2						1	
Milliners		14		18	1	4						
Seamstresses	11	113	1	111	20	24	1	10		5	2	
Shirt, collar, and cuff makers	1	5		1	1	2						
Tailors and tailoresses	18	63		58	10	16				1		
Other textile workers	1	11		10	1	2					1	
Miscellaneous industries	23	222	1	231	25	38	1	1		3	5	2
Broom and brush makers	3	4		5	1	2	1					
Charcoal, coke, and lime burners		2		1	1							
Engineers and firemen (not locomotive)		32		42	12	7				1		
Glovemakers		1		6	1	1				1	1	2
Manufacturers and officials, etc	1	77		99	1	15						
Model and pattern makers		9		6	2							
[illegible]		11	1	14		1						
[illegible]		1		1								
Upholsterers	10	33		18	2	7		1				
Other miscellaneous industries	4	9		12								
	5	43		27	5	5				1	4	

TABLE 46.—NUMBER AND PER CENT OF THE DEAF 10 YEARS OF AGE AND OVER ENGAGED IN EACH SPECIFIED GROUP OF OCCUPATIONS, BY AGE AND PERIOD OF LIFE WHEN DEAFNESS OCCURRED: 1900.

OCCUPATION.	Total.	PERIOD OF LIFE WHEN DEAFNESS OCCURRED.			AGE WHEN DEAFNESS OCCURRED.											
					Under 20.							20 and over.				
		Childhood (under 20).	Adult life (20 and over).	Unknown.	Birth.	After birth, under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	Not stated.	20 and under 40.	40 and under 60.	60 and under 80.	80 and over.	Not stated.
Number:																
The deaf—																
All occupations	32,142	18,073	13,172	897	4,086	2,053	4,003	3,105	2,118	2,098	610	7,227	3,579	1,756	116	494
Agricultural pursuits	14,068	7,073	6,613	382	1,871	809	1,324	1,116	853	838	262	3,287	1,937	1,071	82	236
Professional service	1,080	566	484	30	59	44	127	144	94	70	28	288	120	56	4	16
Domestic and personal service	5,316	3,323	1,806	187	856	336	720	588	369	345	109	1,095	444	170	11	86
Trade and transportation	2,236	1,044	1,131	61	129	76	206	187	171	226	49	661	304	117	6	43
Manufacturing and mechanical pursuits	9,442	6,067	3,138	237	1,171	788	1,626	1,070	631	619	162	1,896	774	342	13	113
Totally deaf—																
All occupations	12,678	11,126	1,350	202	3,510	1,655	2,857	1,702	723	500	179	916	304	75	7	48
Agricultural pursuits	4,761	4,078	616	67	1,542	610	826	541	282	215	62	400	154	36	5	21
Professional service	387	327	51	9	50	35	89	95	40	14	4	31	13	6	.....	1
Domestic and personal service	2,395	2,123	213	59	730	266	516	337	140	92	42	157	39	6	1	10
Trade and transportation	552	444	101	7	111	59	109	75	45	37	8	69	21	6	.....	5
Manufacturing and mechanical pursuits	4,583	4,154	369	60	1,077	685	1,317	654	216	142	63	259	77	21	1	11
Partially deaf—																
All occupations	19,464	6,947	11,822	695	576	398	1,146	1,403	1,395	1,598	431	6,311	3,275	1,681	109	446
Agricultural pursuits	9,307	2,995	5,997	315	329	199	498	575	571	623	200	2,887	1,783	1,035	77	215
Professional service	693	239	433	21	9	9	38	49	54	56	24	257	107	50	4	15
Domestic and personal service	2,921	1,200	1,593	128	126	70	204	251	229	253	67	938	405	164	10	76
Trade and transportation	1,684	600	1,030	54	18	17	97	112	126	189	41	592	283	111	6	38
Manufacturing and mechanical pursuits	4,859	1,913	2,769	177	94	103	309	416	415	477	99	1,637	697	321	12	102
Per cent distribution:																
The deaf—																
All occupations	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Agricultural pursuits	43.8	39.1	50.2	42.6	45.8	39.4	33.1	36.0	40.3	40.0	43.0	45.5	54.1	61.0	70.7	47.8
Professional service	3.4	3.1	3.7	3.3	1.4	2.1	3.2	4.6	4.4	3.3	4.6	4.0	3.4	3.1	3.4	3.2
Domestic and personal service	16.5	18.4	13.7	20.9	20.9	16.4	18.0	18.9	17.4	16.4	17.9	15.2	12.4	9.7	9.5	17.4
Trade and transportation	6.9	5.8	8.6	6.8	3.2	3.7	5.1	6.0	8.1	10.8	8.0	9.1	8.5	6.7	5.2	8.7
Manufacturing and mechanical pursuits	29.4	33.6	23.8	26.4	28.7	38.4	40.6	34.5	29.8	29.5	26.5	26.2	21.6	19.5	11.2	22.9
Totally deaf—																
All occupations	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	(1)	(1)	(1)
Agricultural pursuits	37.6	36.7	45.6	33.2	43.9	36.9	28.9	31.8	39.0	43.0	34.6	43.7	50.7	(1)	(1)	(1)
Professional service	3.0	2.9	3.8	4.5	1.4	2.0	3.1	5.6	5.5	2.8	2.2	3.4	4.3	(1)	.....	(1)
Domestic and personal service	18.9	19.1	15.8	29.2	20.8	16.1	18.1	19.8	19.4	18.4	23.5	17.1	12.8	(1)	(1)	(1)
Trade and transportation	4.4	4.0	7.5	3.4	3.2	3.6	3.8	4.4	6.2	7.4	4.5	7.5	6.9	(1)	.....	(1)
Manufacturing and mechanical pursuits	36.1	37.3	27.3	20.7	30.7	41.4	46.1	38.4	29.9	28.4	35.2	28.3	25.3	(1)	(1)	(1)
Partially deaf—																
All occupations	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Agricultural pursuits	47.8	43.1	50.7	45.3	57.1	50.0	43.5	41.0	40.9	39.0	46.4	45.7	54.4	61.6	70.6	48.2
Professional service	3.6	3.5	3.7	3.0	1.6	2.2	3.3	3.5	3.9	3.5	5.6	4.1	3.3	3.0	3.7	3.4
Domestic and personal service	15.0	17.3	13.5	18.4	21.9	17.6	17.8	17.9	16.4	15.8	15.5	14.9	12.4	9.7	9.2	17.0
Trade and transportation	8.6	8.6	8.7	7.8	3.1	4.3	8.4	8.0	9.0	11.8	9.5	9.4	8.6	6.6	5.5	8.5
Manufacturing and mechanical pursuits	25.0	27.5	23.4	25.5	16.3	25.9	27.0	29.6	29.8	29.9	23.0	25.9	21.3	19.1	11.0	22.9

[1] Numbers too small for reliable rates.

TABLE 47.—NUMBER AND PER CENT OF THE DEAF 10 YEARS OF AGE AND OVER ENGAGED IN EACH SPECIFIED GROUP

	OCCUPATION.	ABILITY TO SPEAK.			RACE.	
		Well.	Imperfectly.	Not at all.	White.	Colored.
	Number:					
	The deaf—					
1	All occupations	21,274	2,722	8,146	29,831	2,311
2	Agricultural pursuits	9,807	1,113	3,148	12,827	1,241
3	Professional service	869	68	143	1,058	22
4	Domestic and personal service	3,130	527	1,659	4,548	768
5	Trade and transportation	1,866	97	273	2,171	65
6	Manufacturing and mechanical pursuits	5,602	917	2,923	9,227	215
	Totally deaf—					
7	All occupations	3,094	1,626	7,958	11,430	1,248
8	Agricultural pursuits	1,181	522	3,058	4,095	666
9	Professional service	194	53	140	378	9
10	Domestic and personal service	486	297	1,612	1,962	433
11	Trade and transportation	220	63	269	523	29
12	Manufacturing and mechanical pursuits	1,013	691	2,879	4,472	111
	Partially deaf—					
13	All occupations	18,180	1,096	188	18,401	1,063
14	Agricultural pursuits	8,626	591	90	8,732	575
15	Professional service	675	15	3	680	13
16	Domestic and personal service	2,644	230	47	2,586	335
17	Trade and transportation	1,646	34	4	1,648	36
18	Manufacturing and mechanical pursuits	4,589	226	44	4,755	104
	Per cent distribution:					
	The deaf—					
19	All occupations	100.0	100.0	100.0	100.0	100.0
20	Agricultural pursuits	46.1	40.9	38.6	43.0	53.7
21	Professional service	4.1	2.5	1.8	3.6	1.0
22	Domestic and personal service	14.7	19.3	20.4	15.2	33.2
23	Trade and transportation	8.8	3.6	3.3	7.3	2.8
24	Manufacturing and mechanical pursuits	26.3	33.7	35.9	30.9	9.3
	Totally deaf—					
25	All occupations	100.0	100.0	100.0	100.0	100.0
26	Agricultural pursuits	38.2	32.1	38.4	35.8	53.4
27	Professional service	6.3	3.2	1.8	3.3	0.7
28	Domestic and personal service	15.7	18.3	20.2	17.2	34.7
29	Trade and transportation	7.1	3.9	3.4	4.6	2.3
30	Manufacturing and mechanical pursuits	32.7	42.5	36.2	39.1	8.9
	Partially deaf—					
31	All occupations	100.0	100.0	100.0	100.0	100.0
32	Agricultural pursuits	47.5	53.9	47.9	47.5	54.1
33	Professional service	3.7	1.4	1.6	3.7	1.2
34	Domestic and personal service	14.5	21.0	25.0	14.0	31.5
35	Trade and transportation	9.1	3.1	2.1	9.0	3.4
36	Manufacturing and mechanical pursuits	25.2	20.6	23.4	25.8	9.8

[1] Numbers too small for reliable rates.

OF OCCUPATIONS, CLASSIFIED BY ABILITY TO SPEAK, RACE, SEX, PRESENT AGE, AND SCHOOL ATTENDANCE: 1900.

SEX.		PRESENT AGE.			SCHOOL ATTENDANCE.							
					Kind of school attended.							
Male.	Female.	Under 20.	20 and over.	Unknown.	Total.	Special.	Other.	Both.	Not stated.	No schooling.	Schooling unknown.	
26,637	5,505	1,668	30,353	121	26,030	8,163	8,821	125	8,921	3,950	2,162	1
13,126	942	887	13,139	42	10,668	2,578	4,016	23	4,051	2,294	1,106	2
832	248	13	1,058	9	1,037	315	349	26	347	16	27	3
3,210	2,106	280	4,995	41	3,903	1,369	1,328	12	1,194	988	425	4
2,046	190	77	2,152	7	1,979	349	727	15	888	119	138	5
7,423	2,019	411	9,009	22	8,443	3,552	2,401	49	2,441	533	466	6
10,212	2,466	957	11,670	51	10,568	7,535	1,739	102	1,192	1,718	392	7
4,420	341	487	4,262	12	3,619	2,369	748	18	484	957	185	8
280	107	8	374	5	385	277	37	23	48	2	.....	9
1,419	976	152	2,220	23	1,774	1,260	303	9	202	503	118	10
513	39	28	523	1	511	314	93	11	93	28	13	11
3,580	1,003	282	4,291	10	4,279	3,315	558	41	365	228	76	12
16,425	3,039	711	18,083	70	15,462	628	7,082	23	7,729	2,232	1,770	13
8,706	601	400	8,877	30	7,049	209	3,268	5	3,567	1,337	921	14
552	141	5	684	4	652	38	312	3	299	14	27	15
1,791	1,130	128	2,775	18	2,129	109	1,025	3	992	485	307	16
1,533	151	40	1,629	6	1,468	35	634	4	795	91	125	17
3,843	1,016	129	4,718	12	4,164	237	1,843	8	2,076	305	390	18
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	19
49.3	17.1	53.1	43.3	34.7	41.0	31.6	45.5	18.4	45.4	58.1	51.2	20
3.1	4.5	0.8	3.5	7.4	4.0	3.8	4.0	20.8	3.9	0.4	1.2	21
12.0	38.3	16.9	16.4	33.9	15.0	16.8	15.1	9.6	13.4	25.0	19.7	22
7.7	3.4	4.6	7.1	5.8	7.6	4.3	8.2	12.0	10.0	3.0	6.4	23
27.9	36.7	24.6	29.7	18.2	32.4	43.5	27.2	39.2	27.3	13.5	21.5	24
100.0	100.0	100.0	100.0	(1)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	25
43.3	13.8	50.9	36.5	(1)	34.3	31.4	43.0	17.6	40.6	55.7	47.2	26
2.7	4.3	0.8	3.2	(1)	3.6	3.7	2.1	22.6	4.0	0.1	.....	27
13.9	30.6	15.9	19.0	(1)	16.8	16.7	17.4	8.8	17.0	29.3	30.1	28
5.0	1.6	2.9	4.5	(1)	4.8	4.2	5.4	10.8	7.8	1.6	3.3	29
35.1	40.7	29.5	36.8	(1)	40.5	44.0	32.1	40.2	30.6	13.3	19.4	30
100.0	100.0	100.0	100.0	(1)	100.0	100.0	100.0	(1)	100.0	100.0	100.0	31
53.0	19.8	56.3	47.5	(1)	45.6	33.3	46.1	(1)	46.1	60.0	52.0	32
3.4	4.6	0.7	3.7	(1)	4.2	6.0	4.4	(1)	3.9	0.6	1.5	33
16.9	37.2	18.0	14.9	(1)	13.8	17.4	14.5	(1)	12.8	21.7	17.4	34
9.3	5.0	6.9	8.7	(1)	9.5	5.6	9.0	(1)	10.3	4.1	7.1	35
23.4	33.4	18.1	25.2	(1)	26.9	37.7	26.0	(1)	26.9	13.6	22.0	36

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