

American Housing Survey 2005

Table 7-4. Selected Equipment and Plumbing--Occupied Units With Elderly Householder

Numbers in thousands. Weighting consistent with Census 2000.

Characteristics	Total Occupied Units	Tenure		Housing unit characteristics				Household Characteristics			
		Owner	Renter	New construction 4 years	Manufactured/mobile homes	Physical problems		Black Alone	Hispanic	Moved in past year	Below poverty level
						Severe	Moderate				
Total	22,197	17,818	4,379	706	1,458	360	690	2,122	1,214	1,097	4,123
Equipment¹											
Lacking complete kitchen facilities	206	46	159	10	2	12	194	37	14	33	66
With complete kitchen (sink, refrigerator, and oven or burners)	21,991	17,772	4,219	697	1,456	348	496	2,085	1,200	1,063	4,057
Kitchen sink	22,162	17,812	4,351	705	1,458	353	662	2,120	1,214	1,090	4,111
Refrigerator	22,166	17,809	4,357	703	1,456	355	664	2,115	1,214	1,092	4,112
Cooking stove or range	22,036	17,784	4,252	694	1,454	344	647	2,101	1,214	1,070	4,088
Burners, no stove or range	26	15	11	-	-	5	-	3	-	-	7
Microwave oven only	99	15	83	9	5	8	9	9	-	18	14
Dishwasher	12,628	11,262	1,366	595	728	121	182	508	431	634	1,468
Washing machine	18,718	16,976	1,742	612	1,336	249	488	1,548	895	696	2,984
Clothes dryer	17,671	16,194	1,477	606	1,263	202	417	1,270	738	666	2,585
Disposal in kitchen sink	9,816	7,985	1,831	529	410	107	141	494	465	631	1,259
Trash compactor	840	770	71	38	17	7	9	39	43	39	98
Air conditioning:											
Central	13,670	11,639	2,031	642	1,028	150	168	1,047	620	793	2,145
Additional central	872	804	68	66	54	5	9	58	43	55	110

Characteristics	Total Occupied Units	Tenure		Housing unit characteristics				Household Characteristics			
		Owner	Renter	New construction 4 years	Manufactured/mobile homes	Physical problems		Black Alone	Hispanic	Moved in past year	Below poverty level
						Severe	Moderate				
1 room unit	2,942	1,880	1,063	22	139	70	192	385	174	125	774
2 room units	1,483	1,161	322	2	79	31	142	205	120	22	330
3 room units or more	786	696	89	2	40	9	84	98	49	12	107
Main Heating Equipment											
Warm-air furnace	13,418	11,458	1,960	478	1,109	159	148	1,207	608	607	2,255
Steam or hot water system	3,035	2,129	907	19	10	65	70	269	171	112	589
Electric heat pump	2,414	1,981	433	174	226	32	29	163	115	228	377
Built-in electric units	1,066	604	462	19	21	24	28	78	27	61	243
Floor, wall, or other built-in hot-air units without ducts	982	635	347	6	32	26	28	128	122	56	239
Room heaters with flue	410	318	93	5	28	12	12	75	32	9	130
Room heaters without flue	385	322	63	-	13	20	365	155	52	9	129
Portable electric heaters	134	76	58	3	10	5	2	22	38	7	60
Stoves	189	165	24	3	7	12	-	13	16	7	70
Fireplaces with inserts	40	38	2	-	-	-	3	-	3	-	5
Fireplaces without inserts	14	14	-	-	2	-	-	2	2	-	2
Other	51	33	18	1	-	2	-	7	13	-	17
Cooking stove	30	22	8	-	-	2	-	-	10	-	6
None	30	25	5	-	-	-	5	2	5	-	2

Characteristics	Total Occupied Units	Tenure		Housing unit characteristics				Household Characteristics			
		Owner	Renter	New construction 4 years	Manufactured/mobile homes	Physical problems		Black Alone	Hispanic	Moved in past year	Below poverty level
						Severe	Moderate				
Other Heating Equipment¹											
Warm-air furnace	299	262	37	4	14	5	5	29	20	-	77
Steam or hot water system	128	73	55	-	-	7	9	23	17	5	42
Electric heat pump	146	130	16	5	2	10	5	11	16	-	39
Built-in electric units	689	606	83	7	13	15	21	38	26	13	82
Floor, wall, or other built-in hot-air units without ducts	93	66	28	-	2	5	2	15	7	2	19
Room heaters with flue	208	187	21	2	-	5	7	13	1	-	44
Room heaters without flue	426	389	36	5	63	10	35	44	13	9	98
Portable electric heaters	2,089	1,795	294	24	166	40	72	182	111	46	335
Stoves	957	914	42	7	51	23	35	41	33	12	155
Fireplaces with inserts	949	911	38	51	31	8	7	55	22	37	107
Fireplaces without inserts	661	638	23	43	17	7	9	29	23	37	68
Other	170	148	22	-	-	3	6	6	6	2	26
Cooking stove	380	297	82	3	27	11	13	57	30	7	113
None	16,462	12,715	3,747	567	1,121	249	492	1,652	935	938	3,193
Used as parallel heating equipment ¹	1,068	944	124	17	37	29	33	79	71	17	215

Characteristics	Total Occupied Units	Tenure		Housing unit characteristics				Household Characteristics			
		Owner	Renter	New construction 4 years	Manufactured/mobile homes	Physical problems		Black Alone	Hispanic	Moved in past year	Below poverty level
						Severe	Moderate				
Warm-air furnace	131	117	13	2	4	3	5	11	16	-	32
Steam or hot water system	54	23	31	-	-	4	7	15	8	2	17
Electric heat pump	60	51	9	2	-	8	-	11	7	-	22
Built-in electric units	273	247	27	2	4	3	9	14	13	5	31
Floor, wall, or other built-in hot-air units without ducts	39	23	16	-	-	2	2	6	7	-	12
Room heaters with flue	66	59	7	-	-	-	2	6	1	-	18
Stoves	269	255	14	2	23	10	3	12	18	3	60
Fireplaces with inserts	136	134	2	6	3	-	5	7	5	4	14
Fireplaces with no inserts	59	57	2	4	2	5	-	-	2	4	14
Cooking stove	68	45	23	2	4	2	5	10	10	-	31
Other	44	39	5	-	-	-	-	-	1	-	6

Characteristics	Total Occupied Units	Tenure		Housing unit characteristics				Household Characteristics			
		Owner	Renter	New construction 4 years	Manufactured/mobile homes	Physical problems		Black Alone	Hispanic	Moved in past year	Below poverty level
						Severe	Moderate				
Used as supplemental heating equipment ¹	4,799	4,298	501	121	288	86	158	371	208	130	721
Warm-air furnace	137	116	21	2	8	2	-	15	4	-	44
Steam or hot water system	51	31	20	-	-	3	-	6	7	3	19
Electric heat pump	79	72	7	2	2	2	5	-	7	-	15
Built-in electric units	407	352	54	5	9	12	12	24	13	8	49
Floor, wall, or other built-in hot-air units without ducts	47	38	9	-	-	2	-	8	-	2	7
Room heaters with flue	102	95	6	2	-	2	3	7	-	-	12
Room heaters without flue	426	389	36	5	63	10	35	44	13	9	98
Portable electric heaters	2,089	1,795	294	24	166	40	72	182	111	46	335
Stoves	676	652	24	4	28	13	32	27	15	10	92
Fireplaces with inserts	808	771	36	45	28	8	2	49	17	34	90
Fireplaces with no inserts	599	578	21	37	15	2	9	29	20	31	54
Cooking stove	279	225	54	1	10	8	8	37	18	7	69
Other	107	90	17	-	-	3	6	6	5	-	18

Characteristics	Total Occupied Units	Tenure		Housing unit characteristics				Household Characteristics			
		Owner	Renter	New construction 4 years	Manufactured/mobile homes	Physical problems		Black Alone	Hispanic	Moved in past year	Below poverty level
						Severe	Moderate				
Plumbing											
With all plumbing facilities	21,915	17,636	4,278	703	1,452	77	690	2,065	1,191	1,080	4,032
Lacking some or all plumbing facilities ¹	282	182	101	3	6	282	-	58	24	17	91
No hot piped water	38	17	21	-	-	38	-	26	-	2	22
No bathtub and no shower	46	29	17	-	-	46	-	17	3	5	28
No flush toilet	32	15	17	-	-	32	-	15	3	5	20
No exclusive use	228	151	77	3	6	228	-	32	24	12	59
Primary Source of Water											
Public system or private company	19,080	14,875	4,205	648	1,108	286	587	1,948	1,176	1,017	3,587
Well serving 1 to 5 units	2,975	2,818	157	56	319	62	98	168	33	79	505
Drilled	2,675	2,555	120	50	274	43	94	136	30	70	432
Dug	219	193	26	4	28	14	4	23	3	7	56
Not reported	81	71	11	2	16	4	-	9	-	3	17
Other	142	125	16	2	31	13	5	7	5	-	31

Characteristics	Total Occupied Units	Tenure		Housing unit characteristics				Household Characteristics			
		Owner	Renter	New construction 4 years	Manufactured/mobile homes	Physical problems		Black Alone	Hispanic	Moved in past year	Below poverty level
						Severe	Moderate				
Safety of Primary Source of Water											
Selected primary water sources ²	22,192	17,813	4,379	706	1,458	357	687	2,117	1,214	1,097	4,120
Safe to drink	20,676	16,747	3,929	651	1,358	327	611	1,870	1,040	990	3,758
Not safe to drink	1,234	860	375	50	85	27	69	203	170	89	288
Safety not reported	281	206	75	5	15	2	7	45	4	18	75
Source of Drinking Water											
Primary source not safe to drink	1,234	860	375	50	85	27	69	203	170	89	288
Drinking and primary water source the same	260	188	72	8	27	2	20	29	18	13	61

Characteristics	Total Occupied Units	Tenure		Housing unit characteristics				Household Characteristics			
		Owner	Renter	New construction 4 years	Manufactured/mobile homes	Physical problems		Black Alone	Hispanic	Moved in past year	Below poverty level
						Severe	Moderate				
Means of Sewage Disposal											
Public sewer	17,262	13,174	4,088	594	779	284	514	1,836	1,127	965	3,304
Septic tank, cesspool, chemical toilet	4,915	4,630	285	112	679	56	175	276	87	132	804
Other	20	15	5	-	-	20	-	10	-	-	15

¹Figures may not add to total because more than one category may apply to a unit.

²Excludes units where primary source of water is commercial bottled water.

American Housing Sur
Table 7-4. Selected E
 Numbers in thousands

Characteristics	Total Occupied Units	In MSAs			Outside MSAs	Urban		Rural			Regions			
		Central Cities	Suburbs			Total	Outside MSAs	Total	Suburbs	Outside MSA's	Northeast	Midwest	South	West
Total	22,197	5,986	10,343	5,869	15,883	2,322	6,314	2,713	3,547	4,705	5,272	7,853	4,367	
Equipment¹														
Lacking complete kitchen facilities	206	101	65	40	188	27	18	5	13	40	59	51	56	
With complete kitchen (sink, refrigerator, and oven or burners)	21,991	5,885	10,277	5,829	15,695	2,295	6,296	2,707	3,534	4,665	5,213	7,802	4,311	
Kitchen sink	22,162	5,974	10,336	5,852	15,856	2,313	6,306	2,713	3,539	4,700	5,269	7,836	4,357	
Refrigerator	22,166	5,974	10,336	5,857	15,857	2,315	6,309	2,713	3,542	4,703	5,263	7,839	4,361	
Cooking stove or range	22,036	5,910	10,308	5,818	15,734	2,278	6,302	2,708	3,540	4,683	5,252	7,795	4,306	
Burners, no stove or range	26	11	12	3	21	3	5	5	-	8	-	11	8	
Microwave oven only	99	46	17	36	95	32	4	-	4	12	11	31	45	
Dishwasher	12,628	2,901	6,845	2,883	9,251	1,212	3,377	1,677	1,671	2,484	2,635	4,595	2,915	
Washing machine	18,718	4,485	9,047	5,186	12,813	1,923	5,905	2,588	3,263	3,605	4,476	6,969	3,668	
Clothes dryer	17,671	4,077	8,676	4,918	12,063	1,850	5,607	2,485	3,068	3,229	4,390	6,521	3,531	
Disposal in kitchen sink	9,816	2,817	5,044	1,955	8,115	1,117	1,702	842	838	1,174	2,420	3,200	3,021	
Trash compactor	840	237	456	148	632	61	209	114	87	151	118	332	239	
Air conditioning:														
Central	13,670	3,410	6,818	3,441	10,007	1,510	3,663	1,692	1,931	1,564	3,578	6,296	2,231	
Additional central	872	240	435	196	629	84	243	126	112	52	106	552	161	

Characteristics	Total Occupied Units	In MSAs		Outside MSAs	Urban		Rural			Regions			
		Central Cities	Suburbs		Total	Outside MSAs	Total	Suburbs	Outside MSA's	Northeast	Midwest	South	West
1 room unit	2,942	835	1,174	934	1,975	341	967	369	593	1,095	807	582	458
2 room units	1,483	478	593	412	1,034	147	449	184	266	693	258	459	73
3 room units or more	786	241	388	156	601	67	185	95	89	390	96	261	38
Main Heating Equipment													
Warm-air furnace	13,418	3,566	6,313	3,539	9,845	1,479	3,574	1,470	2,060	2,006	4,112	4,416	2,885
Steam or hot water system	3,035	1,078	1,439	519	2,432	221	603	305	298	2,206	525	153	151
Electric heat pump	2,414	509	1,242	663	1,574	278	840	445	384	79	175	1,869	292
Built-in electric units	1,066	214	478	374	666	147	400	173	227	261	265	231	309
Floor, wall, or other built-in hot-air units without ducts	982	355	423	205	754	74	228	97	131	84	87	318	494
Room heaters with flue	410	65	128	217	167	44	243	70	173	35	45	255	75
Room heaters without flue	385	100	96	188	200	71	185	67	117	-	9	369	7
Portable electric heaters	134	56	66	12	114	2	21	10	11	3	3	98	31
Stoves	189	6	74	109	30	4	159	54	104	13	42	84	51
Fireplaces with inserts	40	4	13	22	8	-	31	9	22	1	7	14	16
Fireplaces without inserts	14	-	7	7	2	-	12	5	7	5	-	4	4
Other	51	18	28	5	43	2	8	5	3	3	2	27	18
Cooking stove	30	12	13	5	23	-	7	2	5	9	-	10	10
None	30	2	23	5	25	-	5	-	5	-	-	5	25

Characteristics	Total Occupied Units	In MSAs		Outside MSAs	Urban		Rural			Regions			
		Central Cities	Suburbs		Total	Outside MSAs	Total	Suburbs	Outside MSA's	Northeast	Midwest	South	West
Other Heating Equipment¹													
Warm-air furnace	299	85	152	63	222	18	77	33	44	63	76	88	73
Steam or hot water system	128	79	33	16	98	-	30	14	16	89	11	21	8
Electric heat pump	146	30	88	28	90	3	55	28	25	17	16	90	23
Built-in electric units	689	160	315	215	427	56	262	103	159	134	133	244	178
Floor, wall, or other built-in hot-air units without ducts	93	51	27	16	76	8	17	7	7	29	15	27	22
Room heaters with flue	208	35	87	86	110	27	98	40	59	43	35	66	64
Room heaters without flue	426	56	155	215	180	45	245	75	170	67	83	235	41
Portable electric heaters	2,089	517	920	651	1,409	233	679	253	419	374	453	759	503
Stoves	957	73	489	394	338	62	619	279	333	229	177	278	272
Fireplaces with inserts	949	141	473	335	498	92	451	209	243	95	177	351	325
Fireplaces without inserts	661	164	345	152	471	65	190	100	87	68	103	282	207
Other	170	23	64	82	72	12	97	28	70	40	33	55	41
Cooking stove	380	122	193	65	260	15	119	70	50	128	42	143	67
None	16,462	4,802	7,690	3,970	12,469	1,765	3,993	1,753	2,204	3,652	4,131	5,726	2,954
Used as parallel heating equipment ¹	1,068	232	517	318	600	68	468	215	250	219	165	391	293

Characteristics	Total Occupied Units	In MSAs		Outside MSAs	Urban		Rural			Regions			
		Central Cities	Suburbs		Total	Outside MSAs	Total	Suburbs	Outside MSA's	Northeast	Midwest	South	West
Warm-air furnace	131	35	82	13	108	8	23	18	5	25	30	40	36
Steam or hot water system	54	36	12	6	43	-	11	4	6	37	5	12	-
Electric heat pump	60	23	30	7	42	-	18	8	7	7	7	43	2
Built-in electric units	273	63	132	78	174	20	99	41	58	57	45	95	77
Floor, wall, or other built-in hot-air units without ducts	39	26	9	4	34	4	5	5	-	22	2	7	9
Room heaters with flue	66	9	34	22	33	10	33	21	13	19	9	22	16
Stoves	269	8	139	122	66	8	204	90	114	56	41	91	81
Fireplaces with inserts	136	28	69	39	81	14	55	30	25	7	14	52	64
Fireplaces with no inserts	59	16	24	19	35	5	24	10	14	5	10	27	17
Cooking stove	68	35	28	5	54	-	14	10	5	27	-	21	20
Other	44	5	11	27	10	2	33	8	25	8	2	20	13

Characteristics	Total Occupied Units	In MSAs		Outside MSAs	Urban		Rural			Regions			
		Central Cities	Suburbs		Total	Outside MSAs	Total	Suburbs	Outside MSA's	Northeast	Midwest	South	West
Used as supplemental heating equipment ¹	4,799	947	2,216	1,636	2,838	489	1,961	800	1,147	867	989	1,778	1,165
Warm-air furnace	137	37	55	45	88	10	49	15	35	36	36	38	28
Steam or hot water system	51	29	17	5	39	-	12	8	5	37	4	7	2
Electric heat pump	79	7	53	18	43	-	35	17	18	7	9	44	18
Built-in electric units	407	94	180	132	246	34	161	63	98	75	86	147	99
Floor, wall, or other built-in hot-air units without ducts	47	22	16	9	37	4	10	2	5	7	13	18	8
Room heaters with flue	102	12	30	59	46	18	55	14	41	24	17	29	32
Room heaters without flue	426	56	155	215	180	45	245	75	170	67	83	235	41
Portable electric heaters	2,089	517	920	651	1,409	233	679	253	419	374	453	759	503
Stoves	676	63	341	272	263	54	413	187	218	171	131	185	189
Fireplaces with inserts	808	111	401	296	411	78	396	179	218	88	163	297	259
Fireplaces with no inserts	599	145	321	134	436	61	163	91	73	64	93	252	190
Cooking stove	279	79	147	53	189	12	90	50	40	86	42	107	45
Other	107	16	47	45	49	6	59	19	40	27	26	28	26

Characteristics	Total Occupied Units	In MSAs		Outside MSAs	Urban		Rural			Regions			
		Central Cities	Suburbs		Total	Outside MSAs	Total	Suburbs	Outside MSA's	Northeast	Midwest	South	West
Plumbing													
With all plumbing facilities	21,915	5,870	10,248	5,797	15,682	2,299	6,232	2,688	3,498	4,615	5,214	7,762	4,323
Lacking some or all plumbing facilities ¹	282	116	95	72	201	23	82	25	49	90	58	91	44
No hot piped water	38	14	5	18	16	-	21	3	18	7	-	26	5
No bathtub and no shower	46	14	11	21	12	3	34	11	19	5	-	24	18
No flush toilet	32	9	3	19	12	3	20	3	17	5	-	17	10
No exclusive use	228	97	82	49	182	20	46	14	28	83	58	57	29
Primary Source of Water													
Public system or private company	19,080	5,881	8,907	4,292	15,400	2,262	3,680	1,625	2,030	3,977	4,385	6,675	4,043
Well serving 1 to 5 units	2,975	100	1,408	1,468	475	58	2,500	1,059	1,410	692	857	1,114	312
Drilled	2,675	94	1,273	1,307	433	49	2,241	953	1,258	605	788	995	287
Dug	219	-	102	117	20	6	199	88	111	73	45	86	15
Not reported	81	5	33	43	22	2	59	18	41	14	24	33	10
Other	142	5	28	109	7	2	134	28	106	36	30	64	12

Characteristics	Total Occupied Units	In MSAs		Outside MSAs	Urban		Rural			Regions			
		Central Cities	Suburbs		Total	Outside MSAs	Total	Suburbs	Outside MSA's	Northeast	Midwest	South	West
Safety of Primary Source of Water													
Selected primary water sources ²	22,192	5,986	10,339	5,866	15,883	2,322	6,309	2,710	3,544	4,705	5,272	7,847	4,367
Safe to drink	20,676	5,458	9,668	5,550	14,662	2,170	6,014	2,584	3,380	4,391	5,027	7,351	3,907
Not safe to drink	1,234	446	527	261	998	128	236	98	133	248	182	390	415
Safety not reported	281	82	144	55	223	24	58	27	31	66	64	106	45
Source of Drinking Water													
Primary source not safe to drink	1,234	446	527	261	998	128	236	98	133	248	182	390	415
Drinking and primary water source the same	260	106	76	78	210	36	50	8	41	58	59	79	63

Characteristics	Total Occupied Units	In MSAs		Outside MSAs	Urban		Rural			Regions			
		Central Cities	Suburbs		Total	Outside MSAs	Total	Suburbs	Outside MSA's	Northeast	Midwest	South	West
Means of Sewage Disposal													
Public sewer	17,262	5,839	8,007	3,416	15,029	2,199	2,233	1,000	1,217	3,771	4,256	5,541	3,695
Septic tank, cesspool, chemical toilet	4,915	147	2,332	2,436	854	122	4,061	1,709	2,313	934	1,017	2,295	669
Other	20	-	3	17	-	-	20	3	17	-	-	17	2

¹Figures may not add t

²Excludes units where