Comparing Race and Ethnicity Data from the American Community Survey and the 2020 Census

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Slides are available at census.gov/data/academy/webinars/2024/comparing-race-and-ethnicity-data.html

This webinar is being recorded. The recording will be available after the webinar.



About the U.S. Census Bureau

The U.S. Census Bureau is the federal government's largest statistical agency. Our mission is to serve as the nation's leading provider of quality data about its people and economy.



The U.S. Census Bureau conducts more than 130 surveys and programs each year, including

- The Decennial Census the once-a-decade population and housing count of all 50 states and U.S. territories
- The American Community Survey the ongoing, annual survey of the social, economic, housing, and demographic characteristics of the nation's population
- The Economic Census the official five-year measure of American businesses
- The Census of Governments identifies the scope and nature of the nation's state and local government sector



How is the American Community Survey (ACS) Different From the Census?

ACS Census **Purpose** Sample estimates Official counts **Collects** Detailed social, economic, housing, and demographic Basic demographics and housing characteristics characteristics **Produces** Population and housing totals and select Population and housing characteristics characteristics **New Data Every** 10 years Year **Data Reflect** Period of time Point in time

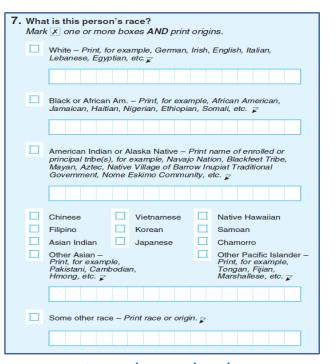


Race and Ethnicity Questions

- Two separate questions following 1997 Office of Mangement and Budget standards
- Dedicated write-in response areas for each major group
- Improved data collection, coding and processing beginning in 2020

Census Questionnaire:

→ NOTE: Please answer BOTH Question 6 about Hispanic origin and Question 7 about race. For this census, Hispanic origins are not races.					
6.	6. Is this person of Hispanic, Latino, or Spanish origin?				
		No, not of Hispanic, Latino, or Spanish origin			
		Yes, Mexican, Mexican Am., Chicano			
		Yes, Puerto Rican			
		Yes, Cuban			
		Yes, another Hispanic, Latino, or Spanish origin - Print, for			
	example, Salvadoran, Dominican, Colombian, Guatemalan, Spaniard, Ecuadorian, etc. ⊋				





Comparing the ACS and 2020 Census Detailed Demographic and Housing Characteristics File A (Detailed DHC-A) Outline

- ACS Basics
- ACS Race and Ethnicity Data Products & Demo
- 2020 Census Detailed DHC- A Basics & Demo
- Product Comparison and Differences
- Resources for Learning More

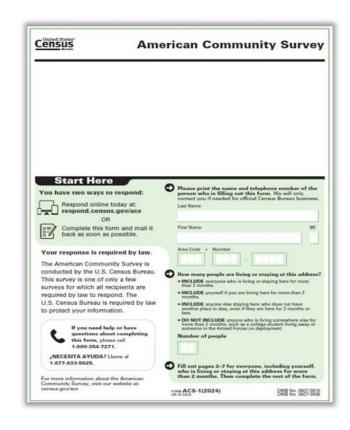


The American Community Survey The Foundation

The nation's most current, reliable, and accessible data source for local statistics on critical planning topics like age, children, veteran status, commuting, education, and much more.

- Surveys 3.5 million addresses and helps inform how trillions of dollars in federal funds are distributed each year
- Covers 40+ topics, supports over 300 evidence-based federal government uses
- Three key annual data releases:
 - 1-year Estimates (for large populations, geographies of 65,000+ population)
 - 1-year Supplemental Estimates (for small populations, geographies of 20,000+ population)
 - 5-year Estimates (for very small populations, geographies down to Census Tracts and Block Groups)
- Officially started in 2005 (1-year estimates= 2005; 5-year 2005-2009).



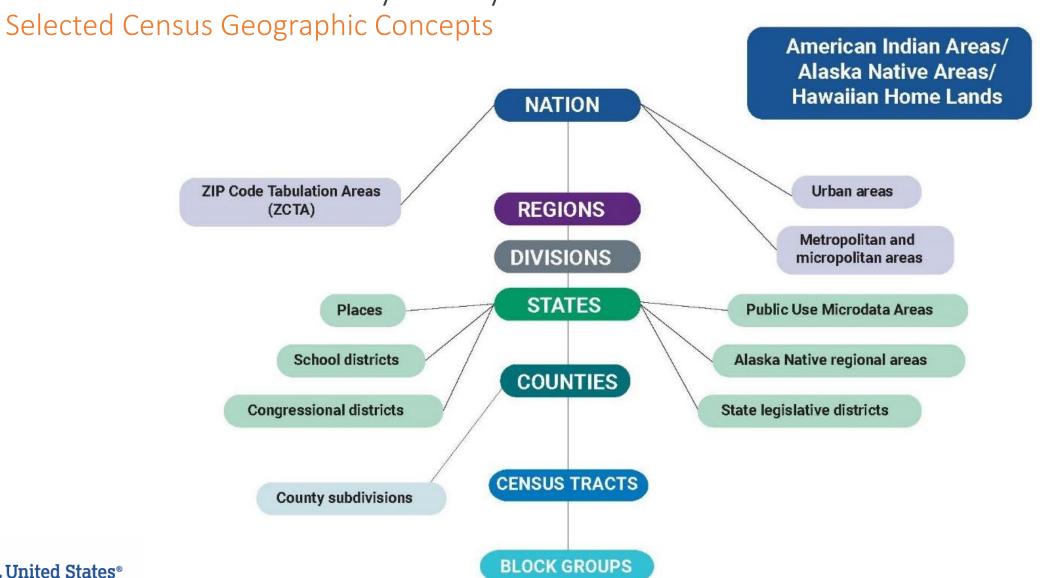


The American Community Survey Content Overview

POPU	HOUSING	
SOCIAL Ancestry Citizenship Citizen Voting Age Population Disability Educational Attainment	DEMOGRAPHIC Age Hispanic Origin Race Relationship Sex	Computer & Internet Use Costs (Mortgage, Rent, Taxes, Insurance) Heating Fuel Home Value Occupancy Plumbing/Kitchen Facilities Structure Tenure (Own/Rent) Utilities Vehicles Year Built Year Moved In
Fertility Grandparents Language Marital Status Migration School Enrollment Veterans	ECONOMIC Class of Worker Commuting Employment Status Food Stamps (SNAP) Health Insurance Income Industry & Occupation Weeks Worked	



The American Community Survey





The American Community Survey

Availability of Data Products

Estimated Population of Geographic Area	1-Year Estimates	1-Year Supplemental Estimates	5-Year Estimates
65,000 or more	X	X	X
20,000 to 64,999		X	X
Less than 20,000			X
Typical Release Month (Occurs in the calendar year after data collection)	September	October	December



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The American Community Survey

Race and Ethnicity Data Products

	Race Iterated Tables
Description	Detailed Tables with estimates on all topics for all geographies by race (most detail for standard release products)
Data Release	Annually; ACS 1-Year and 5-Year
Table ID	Ends with "A-I," "C" used for AIAN Alone (e.g., B01001C)
Publication Thresholds	Geographic areas with pop of 65,000+ (1-Year) Data for all areas (5-Year)

Table ID ending in:	Population Group
Α	White Alone
В	Black or African American Alone
С	American Indian and Alaska Native Alone
D	Asian Alone
E	Native Hawaiian and Other Pacific Islander Alone
F	Some Other Race Alone
G	Two or More Races
Н	White Alone, Not Hispanic or Latino
I	Hispanic or Latino

B27001A	Health Insurance Coverage Status by Age (White Alone)
B27001B	Health Insurance Coverage Status by Age (Black or African American Alone)
B27001C	Health Insurance Coverage Status by Age (American Indian and Alaska Native Alone)
B27001D	Health Insurance Coverage Status by Age (Asian Alone)
B27001E	Health Insurance Coverage Status by Age (Native Hawaiian and Other Pacific Islander Alone)
B27001F	Health Insurance Coverage Status by Age (Some Other Race Alone)
B27001G	Health Insurance Coverage Status by Age (Two or More Races)
B27001H	Health Insurance Coverage Status by Age (White Alone, Not Hispanic or Latino)
B27001I	Health Insurance Coverage Status by Age (Hispanic or Latino)



The American Community Survey

Race and Ethnicity Data Products

	Race Iterated Tables	Selected Population Profiles (SPP)	Selected Population Tables (SPT) and American Indian & Alaska Native Tables (AIANT)
Description	Detailed Tables with estimates on all topics for all geographies by race (most detail for standard release products)	Summary tables for hundreds of detailed racial, ethnic, and tribal groups	Most detail for race, Hispanic origin, tribal, and ancestry groups that are typically too small to be included in annual ACS 5-year estimates
Data Release	Annually; ACS 1-Year and 5-Year	Annually; ACS 1-Year <u>only</u>	Typically, every 5 years; ACS 5-Year only
Table ID	Ends with "A-I," "C" used for AIAN Alone (e.g., B01001C)	S0201, S0201PR (Puerto Rico)	Subset of data tables from the typical 5-year ACS data products
Publication Thresholds	Geographic areas with pop of 65,000+ (1-Year) Data for all areas (5-Year)	Geographic areas with at least a pop of 500,000 Pop. group with an estimated pop of 65,000+	7,000 at national level (SPT) 100 at national level (AIANT) Geographic area with at least 50 unweighted sample persons



The American Community Survey Selected Population Tables (SPT) and American Indian and Alaska Native Tables (AIANT)

- Current release 2017-2021 ACS 5-Year estimates:
 - SPT and AIANT
 - 150 tables each (Data Profiles and Detailed Tables)
 - SPT 399 race, tribal, Hispanic and ancestry groups
 - AIANT 1,059 AIAN tribes/villages and groupings
- SPT & AIANT geographies:
 - SPT Over 100 geographies (States, Counties, Metros, Places, and Census Tracts)
 - AIANT AIAN Areas, Region, States, Metro and Micro Statistical Areas and more
- Access SPT & AIANT through data.census.gov
 - Direct links to tables provided on ACS website

Race, Ethnicity, Ancestry and American Indian & Alaska Native

// Census.gov / Our Surveys & Programs / American Community Survey (ACS) / ACS Data / Race, Ethnicity, Ancestry and American Indian & Alaska Native Tables

Tables

Every five years, the Census Bureau releases two data products containing the greatest level of statistical detail for specific population groups:

- Selected Population Tables (Race, Ethnicity, Ancestry): Available for selected race, Hispanic origin, tribal, and ancestry populations
- American Indian and Alaska Native Tables:
 Available for selected tribal populations, with more detailed tribal categories compared to those in the Selected Population Tables

For more on American Indian and Alaska Native (AIAN) data, check out our handbook, Understanding and Using ACS Data: What Users

of Data for American Indians and Alaska Natives Need to Know.

Browse the resources below to learn about the available tables, geographies, population groups, and comparison guidance.

2021 2

2010



Download Understanding and Using American Community Survey Data: What Users of Data for American Indians and Alaska Natives Need to Know [PDF - 6.7 MR]

Facebook Twitter Lin

Related Information

PRESS KIT

2017-2021 Selected Population Tables and AIAN Tables

WEBINAR

2017-2021 ACS 5-Year Selected Population Tables & AIAN Tables



The American Community Survey

Data.census.gov Demo



Features:

- Census Bureau's main data dissemination platform
- Filter by geography, surveys, topics, and years
- Download data files and/or create customized maps
- Includes ACS data from 2010 to present

data.census.gov



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Detailed Demographic and Housing Characteristics File A Groups Available

Data are now available for 300 detailed race and ethnicity groups and 1,187 detailed American Indian and Alaska Native tribes and villages.

Race or Ethnicity	Detailed	Regional
Hispanic or Latino Origin (Hispanic Origin)	30	4
White	104	3
Black or African American	62	3
American Indian and Alaska Native (AIAN)	1,187	8
Asian	47	5
Native Hawaiian and Other Pacific Islander (NHPI)	35	3
Some Other Race (SOR)	22	2

Find the complete list of groups in the 2020 Census Detailed DHC-A Iterations List www2.census.gov/programs-surveys/decennial/2020/technical-documentation/complete-tech-docs/detailed-demographic-and-housing-characteristics-file-a/2020-census-hispanic-origin-and-race-iterations-list.xlsx.



Detailed Demographic and Housing Characteristics File A Detailed DHC-A Subjects

- Population counts
- Sex-by-age statistics (number of males and females for certain age categories)

Detail depends on the size of the group and the geographic level.



Total
population count
and
9
sex by age
categories

Total
population count
and
23
sex by age
categories



Detailed Demographic and Housing Characteristics File A Detailed DHC-A Geography

- Nation
- States
- Counties
- Census tracts
- Places
- American Indian/Alaska Native/Native Hawaiian (AIANNH) areas



Detailed Demographic and Housing Characteristics File A Determining the Level of Detail

- Detailed groups whose national population was less than 50 in the 2010 Census will only receive national- and state-level total population counts and no other data.
- For other groups, we:
 - Infuse a small amount of statistical noise in count.
 - Compare noise-infused count to our population thresholds.
 - Produce tables based on the threshold met for the selected geography.



Detailed Demographic and Housing Characteristics File A Detailed Group Thresholds

	Detailed groups	
Level of Detail	Nation and State	Substate and AIANNH
Total count only	0–499	22–999
Sex-by-age table – 4 age categories	500–999	1,000–4,999
Sex-by-age table – 9 age categories	1,000–6,999	5,000-19,999
Sex-by-age table – 23 age categories	7,000+	20,000+

Notes:

- Groups are assigned the sex-by-age table that corresponds to their total population count 99.9% of the time.
- AIANNH is American Indian/Alaska Native/Native Hawaiian areas. Substate includes county, place, and census tract. Source: U.S. Census Bureau



Detailed Demographic and Housing Characteristics File A Regional Group Thresholds

 Also available: Regional race and ethnicity groups, such as European, Middle Eastern or North African, Caribbean, Sub-Saharan African, American Indian, Polynesian, South American, etc.

	Regional groups	
Level of Detail	Nation and State	Substate
Total count only	0–4,999	94–4,999
Sex-by-age table – 4		
age categories	5,000–19,999	5,000–19,999
Sex-by-age table – 9		
age categories	20,000–149,999	20,000-149,999
Sex-by-age table –		
23 age categories	150,000+	150,000+

Notes:

- Groups are assigned the sex-by-age table that corresponds to their total population count 99.9% of the time.
- Regional groups are not available for AIANNH areas except when postprocessing was applied.
- Substate includes county, place, and census tract.



Source: U.S. Census Bureau

Detailed Demographic and Housing Characteristics File A Race and Ethnicity Concepts

In addition to providing data for Hispanic origin groups, data will be available for the race alone and race alone or in any combination populations.

Race alone

- The minimum number of people who identified as that group.
- Includes people who reported only one response.

• Race alone or in any combination

- The maximum number of people who identified as that group.
- Includes people who reported only one response AND those who reported multiple responses.



Detailed Demographic and Housing Characteristics File A

Detailed DHC-A Products Demo





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Comparing the ACS and Detailed DHC-A Guidance

- Consider improvements to code list
 - Blog: What You Should Know About the Upcoming Detailed Demographic and Housing Characteristics File A
 - 2020 Census Hispanic Origin and Race Code List
 - Detailed Race and Ethnicity Crosswalk: 2010 to 2020
- Use caution when comparing 2020 Census detailed Asian, NHPI and AIAN race data with 2019 or earlier American Community Survey (ACS) data.
 - Improvements were implemented in the ACS in 2020.
- Use caution when comparing ACS ancestry data and Detailed DHC-A data because of the different methodologies.
 - Detailed groups classified as White, Black or African American, and Some Other Race available in the 2020 Census Detailed DHC-A have historically been tabulated from the ancestry question in the ACS.
 - More details: <u>Technical Documentation</u>
- The 2020 Census detailed Hispanic origin data from the ethnicity question are comparable with the ACS regardless of data year.



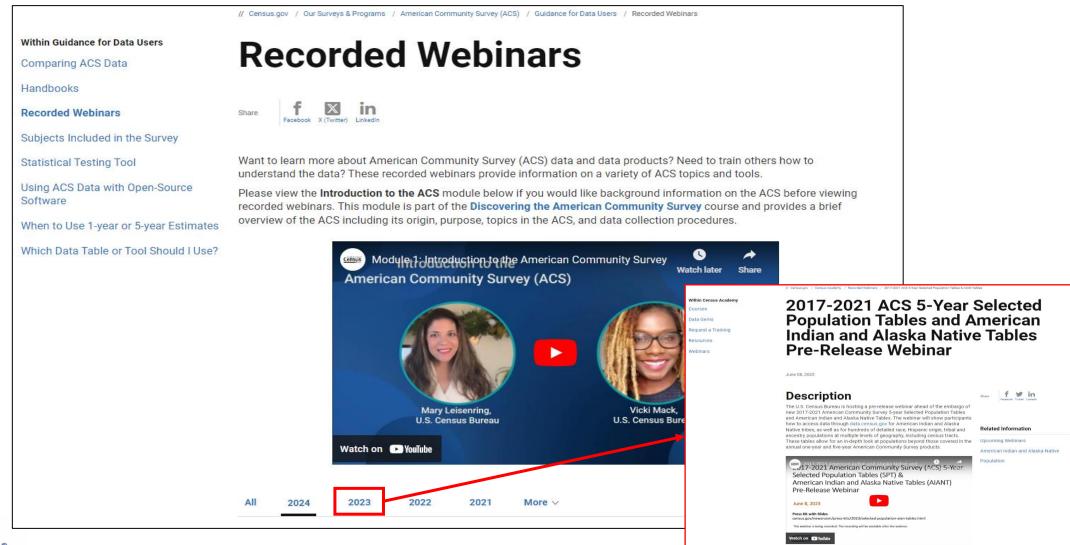
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The American Community Survey

ACS Webinars





The American Community Survey Stay Connected















Detailed Demographic and Housing Characteristic File-A

Available Tools for Accessing Data

Data visualization:

<u>Detailed Races and Ethnicities in the United States and Puerto Rico: 2020</u>
 <u>Census</u>

Data Gems:

- How the Detailed DHC-A Adaptive Design Determines Data Availability
- Accessing 2020 Census Detailed DHC-A Data on data.census.gov
- Downloading, Exporting, and Sharing 2020 Census Detailed DHC-A Data
- Accessing 2020 Census Detailed DHC-A Data: Census Tracts
- Comparing 2020 Census Detailed DHC-A Data to 2010 Census Data
- 2020 Census Detailed DHC-A: Using the Census Data API to Get Individual
 Data Points
- 2020 Census Detailed DHC-A: Using the Census Data API to Get a Table







America Counts Stories, Blogs, Working Papers, and Technical **Documentation**



America Counts Story

New Population Counts for Nearly 1,500 Race and Ethnicity Groups

The Census Bureau releases official population counts for more than 200 new detailed race and ethnicity groups.







Detailed Data for Hundreds of American Indian and Alaska **Native Tribes**

2020 Census detailed data available for close to 1.200 AIAN tribes and villages for the nation, states and tribal areas.





Population

Eight Hispanic Groups Each Had a Million or More Population in

Newly released detailed 2020 Census data show growth in Hispanic groups. Mexican population remained nation's largest Hispanic group.

America Counts Story

Asian Indian Was The Largest

Detailed 2020 Census data on 41

Chinese, Except Taiwanese, was

largest Asian alone or in any

combination group.

Asian groups released today show

Asian Alone Population Group in





America Counts Story

3.5 Million Reported Middle Eastern and North African Descent in 2020

Detailed data available from the 2020 Census for 26 Middle Eastern and North African groups.





New Population Counts for 62 **Detailed Black or African American Groups**

For the first time, the 2020 Census provided a write-in area for the Black or African American race category to collect detailed racial identities.





English Most Common Race or Ethnicity in 2020 Census

Recently released 2020 Census data on race and ethnicity provide detailed characteristics of more than 100 White groups.





New Population Counts for 22 Detailed Some Other Race Groups

2020 Census data for groups classified as Some Other Race, such as Brazilian, Guyanese, and Cabo Verdean are now available.





America Counts Story

Detailed Look at Native Hawaiian and Other Pacific Islander Groups

2020 Census data released this month provides detailed counts of 31 Native Hawaiian and Other Pacific Islander (NHPI) groups.





Random Samplings Blog

What You Should Know About the Upcoming Detailed DHC File

The upcoming 2020 Census Detailed DHC-A greatly expands what we know about the racial and ethnic composition of the U.S. population.



Data Quality and the Detailed **DHC File A**

Today the Census Bureau released new statistics about our nation's communities, providing population counts and sex-by-age statistics.



Understanding Counts of Afro-Latino Responses in the 2020

Census counts for Afro-Latino and Garifuna were collected from the Hispanic origin question for the first time in Census Bureau history.



Comparing the ACS and Detailed DHC-A

Find Answers, Get Support

Website

census.gov/acs census.gov/data/tables/2023/dec/2020-censusdetailed-dhc-a.html

Census Academy

census.gov/academy

Data User Support

ACS: acso.users.support@census.gov

Detailed DHC-A:

pop.race.ethnicity.research@census.gov

Social Media

@uscensusbureau
#ACSdata

Census Customer Service Center

800-923-8282



Source Us

U.S. Census Bureau, [YYYY – YYYY]
American Community Survey
[1/5]-year [estimates/statistics/data release]