

Planning Database with 2020 Census and 2016 – 2020 American Community Survey Data

At the Block Group Level

Table of Contents

| | |
|---|----|
| Statement of Purpose | 3 |
| History | 3 |
| Limitations of the Data | 4 |
| File Structure of the Database | 6 |
| Description of Variables in the Database | 6 |
| Appendix A. Margin of Error Calculations and Nonsampling Error..... | 37 |
| Appendix B. Calculating Response Rates | 39 |
| Appendix C. Key Estimates of the Planning Database | 40 |
| Appendix D. Changes to Geography..... | 43 |
| Appendix E. Changes to ACS Variables | 44 |

Statement of Purpose

The 2022 Block-Group Level Planning Database (also called the PDB) is a dataset that contains a range of housing, demographic, socioeconomic, and census operational data. These data have been extracted from 2020 Census and 2016-2020 American Community Survey (ACS) data sources, and summarized for all block groups in the country and the territory of Puerto Rico. The PDB is generally updated annually and made publicly available. The prior version was the 2021 PDB, which was created using 2010 Census and 2015-2019 American Community Survey data.

The PDB can be used in many ways, including:

- Identifying areas where special outreach and promotion efforts could be considered
- Linking spatial map data files to create thematic maps
- Generating reports, cross tabulations, and simple analyses
- Planning recruitment activities by Regional Census Centers, and Local Census Offices
- Educational purposes

History

In 1987, the first documentation of elements for developing a “Planning Database” was written by Antonio Bruce at the Census Bureau¹. Discussion continued in the 1990s, and the first completed PDB was a county-level dataset during this decade which was not publicly released. After the 2000 Census, an updated “2000 PDB” was the first to become publicly available, and contained data from the 2000 Census at the tract level². This PDB contained 48 variables for 65,184 tracts; these included total counts for population and housing units, various percentages for housing and demographic characteristics, mail return rates, and a derived metric known as the “Hard To Count (HTC)” score³. The HTC score summarizes the attributes of each tract in terms of enumeration difficulty.

After the 2010 Census, an updated version of the file was created, referred to as the 2012 PDB. This differed from the 2000 PDB in that it contained data from the 2010 decennial census, including operational variables such as the 2010 mail return rate, and that the data was provided at the block group level rather than tract level⁴. In addition, it included American Community Survey (ACS) estimates based on 5-year data from 2006-2010, along with margins of error for each estimate. Thus, the 2012 PDB updated and expanded the data from the 2000 PDB, with a new total of 179 variables for 220,335 block groups.

¹ Bruce, Antonio. 1987. “Identifying Hard-to-Enumerate Areas: Preliminary Research and Evaluation”, unpublished paper, Washington, D.C., U.S. Bureau of the Census.

² Census tracts are small, relatively permanent statistical subdivisions of a county or equivalent entity that are updated by local participants prior to each decennial census and generally have a population size between 1,200 and 8,000 people. These are divided into census block groups, which are in turn divided into blocks. Each of these terms and others are defined in a Census glossary located at <https://www.census.gov/programs-surveys/geography/about/glossary.html>.

³ The set of algorithms used to define HTC score is listed in the documentation for the 2000 PDB, located at <https://www2.census.gov/programs-surveys/research/guidance/planning-databases/2000/pdb-tract-2000.pdf>.

⁴ Block groups are statistical divisions of census tracts and generally contain between 300 and 6,000 people.

Starting in 2014, the PDB has been updated and released each year (except 2017) at both the tract and block group levels. Also, starting in 2018, each version of the PDB has been provided through a Census Application Programming Interface (API)⁵. The exact number of variables, tracts, or block groups has varied in each version of the PDB. However, each version prior to the 2022 PDB has contained data from the 2010 Census and the most recent 5-year ACS data available. The 2022 PDB is the first version containing data from the 2020 Census, along with the most recent 5-year ACS data available.

One new statistic beginning in 2014 was the replacement of the HTC score with the “Low Response Score” (LRS). The LRS is a predicted value of self-response at the tract level. Results were used for geographic targeting of outreach efforts. Other ACS variable names and definitions may change between years as well.

An additional categorical variable was added in 2019 for the tract level PDB known as the “Segmentation Profile;” each category for this variable identifies census tracts with similar predicted self-response behavior and similar demographic variables associated with self-response. Another addition to the 2019 PDB at the tract level was the ACS self-response rate; the Census Bureau plans to add this statistic based on the latest 5-year ACS data going forward. Finally, a special one-time release of the 2020 PDB was issued at the state and county level.

Limitations of the Data

Data contained in the 2022 PDB are subject to nonsampling error. In addition, the ACS data are also subject to sampling error. Both of these are described in more detail in Appendix A.

In addition, a unique limitation of the 2022 PDB is that it is a limited release, with a smaller set of variables compared to previous years’ versions of the PDB. Some of these excluded variables are the LRS, the Segmentation Profile, and 2020 Census operational variables. As more 2020 Census data become available, future PDB releases will contain a new LRS and additional Census variables. However, none of the ACS variables that typically appear in previous versions of the PDB are omitted from the 2022 PDB.

⁵ More information about the Census API is provided at <https://www.census.gov/developers/>. More information about the Planning Database API is provided at <https://www.census.gov/data/developers/data-sets/planning-database.html>.

File Structure of the Database

The 2022 PDB is available in a .CSV format, as well as in API. The data file contains 242,335 total observations. Users should take caution when saving the entire .CSV file as an Excel workbook because of Excel's row number limit. The first row of the data file contains variable numbers for each column that can be used to match the variable names against the variable numbers used in this document. The value of cells in the PDB may not be shown for block groups containing small populations or few housing units; cells with missing data are denoted by blank values. Data suppression of ACS estimates limits the disclosure of information about individual respondents and reduces the number of estimates with unacceptable levels of statistical reliability. More information about data suppression in ACS data can be found here: <https://www.census.gov/programs-surveys/acs/technical-documentation/data-suppression.html>.

The 2022 PDB contains data from two major source files:

1. 2020 Census data* – Population and housing
2. 2016 – 2020 5-year ACS Summary File* – Population, housing, and socioeconomic

*The ACS Summary File consists of comprehensive sets of tabular data that are also published on data.census.gov. *Statistics downloaded from data.census.gov receive clearances from the Disclosure Review Board before being posted. No clearance number is required at this time for such information products.*

The first 100+ variables in the 2022 PDB are estimates directly taken or derived from the two sources mentioned above. The remaining variables are estimated percentages calculated by dividing estimates by their given denominator. All percentages were calculated using variables in this file, and the accompanying MOEs were calculated using the methods published in Chapters 7-8 of *Understanding and Using American Community Survey Data: What All Data Users Need to Know* (https://www.census.gov/content/dam/Census/library/publications/2020/acs/acs_general_handbook_2020.pdf).

Description of Variables in the Database

This section contains descriptions of all variables in the 2022 PDB at the block group level. For readers and data users interested in more details for these variables, additional documentation for the decennial data can be found in the *2020 Census State Redistricting Data (Public Law 94-171) Summary File: Technical Documentation* ([2020 Census State Redistricting Data \(Public Law 94-171\) Summary File](#)), and for ACS data, documentation can be found in “the American Community Survey and Puerto Rico Community Survey 2018 Subject Definitions” (https://www2.census.gov/programs-surveys/acs/tech_docs/subject_definitions/2018_ACSSubjectDefinitions.pdf).

1. Level of Geography: The PDB contains one record per block group. Except where noted, counts enable the user to aggregate the data to the block group level or to higher units of geography.

When aggregating to higher geographies, the user should be aware that block groups with missing values may not be represented in the resulting summary.

2. **Counts versus Percents:** While both count estimates and percentage estimates have been provided, the appropriate variables to be used as denominators when calculating percentages from count variables are noted.
3. **Median values:** Selected median values are also provided. A blank percentage value indicates that the numerator or denominator used in its calculation was missing, or the denominator had a value of zero. Median household income and median house value are provided for the block group and for the tract in which the block group is located.
4. **Census versus ACS variables:** For variables in which both census and ACS estimates are available, both are provided. Because the PDB is updated annually, the ACS estimates show estimated change in these measures since 2020 as the decade progresses. The 2016 – 2020 ACS 5-year estimates are based on data collected between January 2016 and December 2020. They represent average characteristics over the 5-year period, and thus have a larger sample size than 1-year ACS estimates but are less current than 1-year ACS estimates. Sources of all variables are indicated; “2020 Census” refers to data items from the 2020 decennial census, and “ACS” refers to ACS data items asked of the persons and housing units in the 2016 to 2020 ACS samples.
5. **Margin of Error:** ACS estimates appear with the margin of error (MOE) associated with the estimate. Some custom measures were created by aggregating published estimates; the MOEs of such aggregates were derived from published MOEs and may differ from MOEs in other data products. Variable labels indicate which MOEs were derived. Please see Appendix A. Margin of Error Calculations of this document for more information about how these derived MOEs were calculated and how to calculate MOEs when creating custom aggregate estimates.
6. **Place and Time:** The geographic vintage of the block groups and tracts in this file are from 2020 Census geography. “Census geography” refers to the basic geographic data associated with the items. The Census Bureau updates geographic identifiers and boundaries between censuses in rare instances. Data from the 2016 – 2020 ACS 5-year estimates use the most recent geographic identifiers. More information about geographic variables can be found in Appendix D of this document, as well as here: <https://www.census.gov/programs-surveys/geography/about/glossary.html>.

Block groups deemed uninhabitable are indicated with the Flag variable. These block groups have a zero census population but, due to the nature of the ACS estimates, may contain ACS population estimates.

| VARNUM | NAME | Unit of Measure | LABEL | Definitions | Unit Level | Source | Denominator Note |
|--------|-------------|-----------------|--|--|-------------|------------------|------------------|
| 1 | GIDBG | Geography | State/County/Tract/BG: 12-digit code | A 12 digit code including State/County/Tract/Block Group where the first two digits denote State, the next three digits denote County, the next six digits denote Tract, and the last digit denotes Block Group. | Block group | Census geography | |
| 2 | State | Geography | FIPS State: 2-digit code | FIPS code of State or statistically equivalent entity (Puerto Rico, D.C., American Samoa, Commonwealth of Northern Mariana Islands, Guam, U.S. Virgin Islands) | Block group | Census geography | |
| 3 | State_name | Geography | State Name | Name of State or statistically equivalent entity (Puerto Rico, D.C., American Samoa, Commonwealth of Northern Mariana Islands, Guam, U.S. Virgin Islands) | Block group | Census geography | |
| 4 | County | Geography | FIPS County: 3-digit code | FIPS code of county (primary legal division of a state) or statistically equivalent entity | Block group | Census geography | |
| 5 | County_name | Geography | County Name | Name of County or statistically equivalent entity | Block group | Census geography | |
| 6 | Tract | Geography | Census Tract: 6-digit code | Subdivision of a County or statistically equivalent entity (0 to over 25,000 people per Tract with an average size of 4,200) | Tract | Census geography | |
| 7 | Block_group | Geography | Census Block Group: 1-digit code | Group of blocks within the same Census Tract (0 to over 25,000 people per Block Group with an average size of 1,400) | Block group | Census geography | |
| 8 | Flag | Geography | Tract containing only block groups with block group code 0 (zero), representing areas that are not habitable | If a tract contains only uninhabitable land, this variable is filled. Otherwise, this variable is blank. | Block group | Census geography | |
| 9 | LAND_AREA | Geography | Land area (sq.mi.) | Land area of geographical entity in square miles | Block group | Census geography | |
| 10 | AIAN_LAND | Geography | Number of block groups in the tract that are located on any part of an American Indian, Alaska Native, or Native Hawaiian area | The number of block groups in this tract that are located on any part of an American Indian, Alaska Native, or Native Hawaiian area | Block group | Census geography | |

| VARNUM | NAME | Unit of Measure | LABEL | Definitions | Unit Level | Source | Denominator Note |
|--------|-----------------------------|-----------------|--|--|------------|-------------|--------------------------|
| 11 | Tot_Population_CEN_2020 | Population | Total population in the 2020 Census | U.S. resident population includes everyone whose usual place of residence was in the tract at the time of the 2020 Census | Persons | 2020 Census | |
| 12 | Tot_Population_ACS_16_20 | Population | Total Population in the ACS | U.S. resident population includes everyone who meets the ACS residence rules in the tract at the time of the ACS interview | Persons | ACS | |
| 13 | Tot_Population_ACSMOE_16_20 | Population | MOE - Total Population | Margin of Error for Total Population | Persons | ACS | |
| 14 | Males_ACS_16_20 | Population | Number of Males in the ACS | Number of Males in ACS Total Population | Persons | ACS | Tot_Population_ACS_16_20 |
| 15 | Males_ACSMOE_16_20 | Population | MOE - Number of Males | Margin of Error for Number of Males | Persons | ACS | |
| 16 | Females_ACS_16_20 | Population | Number of Females in the ACS | Number of Females in ACS Total Population | Persons | ACS | Tot_Population_ACS_16_20 |
| 17 | Females_ACSMOE_16_20 | Population | MOE - Number of Females | Margin of Error for Number of Females | Persons | ACS | |
| 18 | Median_Age_ACS_16_20 | Population | Median Age in the ACS | Median age of ACS Total Population | Persons | ACS | Tot_Population_ACS_16_20 |
| 19 | Median_Age_ACSMOE_16_20 | Population | MOE - Median Age | Margin of Error for Median age of ACS Total Population | Persons | ACS | |
| 20 | Pop_under_5_ACS_16_20 | Population | Persons less than age 5 in the ACS | Number of persons under age 5 at the time of the ACS interview | Persons | ACS | Tot_Population_ACS_16_20 |
| 21 | Pop_under_5_ACSMOE_16_20 | Population | MOE - Person less than age 5 | Margin of Error for Persons less than age 5 | Persons | ACS | |
| 22 | Pop_5_17_ACS_16_20 | Population | Persons ages 5 through 17 in the ACS | Number of persons ages 5 to 17 at the time of the ACS interview | Persons | ACS | Tot_Population_ACS_16_20 |
| 23 | Pop_5_17_ACSMOE_16_20 | Population | MOE - Persons ages 5 through 17 | Margin of Error for Persons ages 5 to 17 | Persons | ACS | |
| 24 | Pop_18_24_ACS_16_20 | Population | Person ages 18 through 24 in the ACS | Number of persons ages 18 to 24 at the time of the ACS interview | Persons | ACS | Tot_Population_ACS_16_20 |
| 25 | Pop_18_24_ACSMOE_16_20 | Population | MOE - Persons ages 18 through 24 (Derived) | Margin of Error for Persons ages 18 to 24 | Persons | ACS | |
| 26 | Pop_25_44_ACS_16_20 | Population | Persons ages 25 through 44 in the ACS | Number of persons ages 25 to 44 at the time of the ACS interview | Persons | ACS | Tot_Population_ACS_16_20 |
| 27 | Pop_25_44_ACSMOE_16_20 | Population | MOE - Persons ages 25 through 44 (Derived) | Margin of Error for Persons ages 25 to 44 | Persons | ACS | |
| 28 | Pop_45_64_ACS_16_20 | Population | Persons ages 45 through 64 in the ACS | Number of persons ages 45 to 64 at the time of the ACS interview | Persons | ACS | Tot_Population_ACS_16_20 |
| 29 | Pop_45_64_ACSMOE_16_20 | Population | MOE - Persons ages 45 through 64 (Derived) | Margin of Error for Persons ages 45 to 64 | Persons | ACS | |
| 30 | Pop_65plus_ACS_16_20 | Population | Persons ages 65 and over in the ACS | Number of persons age 65 and over at | Persons | ACS | Tot_Population_ACS_16_20 |

| VARNUM | NAME | Unit of Measure | LABEL | Definitions | Unit Level | Source | Denominator Note |
|--------|-------------------------|-----------------|--|--|------------|-------------|--------------------------|
| | | | | the time of the ACS interview | | | |
| 31 | Pop_65plus_ACSMOE_16_20 | Population | MOE - Persons ages 65 and over | Margin of Error for Persons ages 65 and over | Persons | ACS | |
| 32 | Tot_GQ_CEN_2020 | Population | Total Group Quarters Population in the 2020 Census | Number of people living or staying in a group living arrangement owned by an entity providing housing to residents, who are usually unrelated, as of April 1, 2020 | Persons | 2020 Census | Tot_Population_CEN_2020 |
| 33 | Inst_GQ_CEN_2020 | Population | Institutionalized Group Quarters Population in the 2020 Census | Number of those in group quarters primarily ineligible, unable, or unlikely to participate in labor force while residents. Institutional group quarters include correctional facilities for adults, juvenile facilities, nursing facilities, and other institutional facilities. | Persons | 2020 Census | Tot_Population_CEN_2020 |
| 34 | Non_Inst_GQ_CEN_2020 | Population | Non-Institutionalized Group Quarters Population in the 2020 Census | Number of those in group quarters primarily eligible, able, or likely to participate in labor force while residents. Noninstitutional group quarters include college/university student housing, military quarters, and other noninstitutional facilities. | Persons | 2020 Census | Tot_Population_CEN_2020 |
| 35 | Hispanic_CEN_2020 | Population | Persons of Hispanic Origin in the 2020 Census | Number of people who identify as "Mexican", "Puerto Rican", "Cuban", or "another Hispanic, Latino, or Spanish origin" in the 2020 Census population | Persons | 2020 Census | Tot_Population_CEN_2020 |
| 36 | Hispanic_ACS_16_20 | Population | Persons of Hispanic Origin in the ACS | Number of people who identify as "Mexican", "Puerto Rican", "Cuban", or "another Hispanic, Latino, or Spanish origin" in the ACS population | Persons | ACS | Tot_Population_ACS_16_20 |
| 37 | Hispanic_ACSMOE_16_20 | Population | MOE - Persons of Hispanic Origin | Margin of Error of Hispanic Origin Population | Persons | ACS | |
| 38 | NH_White_alone_CEN_2020 | Population | Non-Hispanic White only in the 2020 Census | Number of people who indicate no Hispanic origin and their only race as "White" or report entries such as Irish, German, Italian, Lebanese, Arab, Moroccan, or Caucasian in the 2020 Census population | Persons | 2020 Census | Tot_Population_CEN_2020 |

| VARNUM | NAME | Unit of Measure | LABEL | Definitions | Unit Level | Source | Denominator Note |
|--------|-----------------------------|-----------------|---|--|------------|-------------|--------------------------|
| 39 | NH_White_alone_ACS_16_20 | Population | White alone, not Hispanic or Latino population in the ACS | Number of people who indicate no Hispanic origin and their only race as "White" or report entries such as Irish, German, Italian, Lebanese, Arab, Moroccan, or Caucasian in the ACS population | Persons | ACS | Tot_Population_ACS_16_20 |
| 40 | NH_White_alone_ACSMOE_16_20 | Population | MOE - White alone, not Hispanic or Latino population | Margin of Error of Non-Hispanic White only | Persons | ACS | |
| 41 | NH_Blk_alone_CEN_2020 | Population | Non-Hispanic Black/African American only in the 2020 Census | Number of people who indicate no Hispanic origin and their only race as "Black, African Am., or Negro" or report entries such as African American, Kenyan, Nigerian, or Haitian in the 2020 Census population | Persons | 2020 Census | Tot_Population_CEN_2020 |
| 42 | NH_Blk_alone_ACS_16_20 | Population | Black or African American alone, not Hispanic or Latino population in the ACS | Number of people who indicate no Hispanic origin and their only race as "Black, African Am., or Negro" or report entries such as African American, Kenyan, Nigerian, or Haitian in the ACS population | Persons | ACS | Tot_Population_ACS_16_20 |
| 43 | NH_Blk_alone_ACSMOE_16_20 | Population | MOE - Black or African American alone, not Hispanic or Latino population | Margin of Error of Non-Hispanic Black or African- American only | Persons | ACS | |
| 44 | NH_AIAN_alone_CEN_2020 | Population | Non-Hispanic American Indian and Alaska Native only in the 2020 Census | Number of people who indicate no Hispanic origin and their only race as "American Indian or Alaska Native" or report entries such as Navajo, Blackfeet, Inupiat, Yup'ik, or Central/South American Indian groups in the 2020 Census population | Persons | 2020 Census | Tot_Population_CEN_2020 |
| 45 | NH_AIAN_alone_ACS_16_20 | Population | American Indian and Alaska Native alone, not Hispanic or Latino population in the ACS | Number of people who indicate no Hispanic origin and their only race as "American Indian or Alaska Native" or report entries such as Navajo, Blackfeet, Inupiat, Yup'ik, or Central/South American Indian groups in the ACS population | Persons | ACS | Tot_Population_ACS_16_20 |
| 46 | NH_AIAN_alone_ACSMOE_16_20 | Population | MOE - American Indian and Alaska Native alone, not Hispanic or Latino population | Margin of Error of Non-Hispanic American Indian and Alaska Native only | Persons | ACS | |

| VARNUM | NAME | Unit of Measure | LABEL | Definitions | Unit Level | Source | Denominator Note |
|--------|-----------------------------|-----------------|--|--|------------|-------------|--------------------------|
| 47 | NH_Asian_alone_CEN_2020 | Population | Non-Hispanic Asian only in the 2020 Census | Number of people who indicate no Hispanic origin and their only race as "Asian Indian", "Chinese", "Filipino", "Korean", "Japanese", "Vietnamese", or "Other Asian" in the 2020 Census population | Persons | 2020 Census | Tot_Population_CEN_2020 |
| 48 | NH_Asian_alone_ACS_16_20 | Population | Asian alone, not Hispanic or Latino population in the ACS | Number of people who indicate no Hispanic origin and their only race as "Asian Indian", "Chinese", "Filipino", "Korean", "Japanese", "Vietnamese", or "Other Asian" in the ACS population | Persons | ACS | Tot_Population_ACS_16_20 |
| 49 | NH_Asian_alone_ACSMOE_16_20 | Population | MOE - Asian alone, not Hispanic or Latino population | Margin of Error of Non-Hispanic Asian only | Persons | ACS | |
| 50 | NH_NHOPI_alone_CEN_2020 | Population | Non-Hispanic Native Hawaiian and Other Pacific Islander only in the 2020 Census | Number of people who indicate no Hispanic origin and their only race as "Native Hawaiian", "Guamanian or Chamorro", "Samoan", or "Other Pacific Islander" in the 2020 Census population | Persons | 2020 Census | Tot_Population_CEN_2020 |
| 51 | NH_NHOPI_alone_ACS_16_20 | Population | Native Hawaiian and Other Pacific Islander alone, not Hispanic or Latino population in the ACS | Number of people who indicate no Hispanic origin and their only race as "Native Hawaiian", "Guamanian or Chamorro", "Samoan", or "Other Pacific Islander" in the ACS population | Persons | ACS | Tot_Population_ACS_16_20 |
| 52 | NH_NHOPI_alone_ACSMOE_16_20 | Population | MOE - Native Hawaiian and Other Pacific Islander alone, not Hispanic or Latino population | Margin of Error of Non-Hispanic Native Hawaiian and Other Pacific Islander only | Persons | ACS | |
| 53 | NH_SOR_alone_CEN_2020 | Population | Non-Hispanic Some other race only in the 2020 Census | Number of people who indicate no Hispanic origin and their race as other than "White", "Hispanic", "Black or African American", "American Indian or Alaska Native", "Asian", and "Native Hawaiian or Other Pacific Islander" in the 2020 Census population | Persons | 2020 Census | Tot_Population_CEN_2020 |
| 54 | NH_SOR_alone_ACS_16_20 | Population | Some other race alone, not Hispanic or Latino population in the ACS | Number of people who indicate no Hispanic origin and their race as other than "White", "Hispanic", "Black or African American", "American Indian or Alaska Native", "Asian", and | Persons | ACS | Tot_Population_ACS_16_20 |

| VARNUM | NAME | Unit of Measure | LABEL | Definitions | Unit Level | Source | Denominator Note |
|--------|-----------------------------|-----------------|--|---|------------|-------------|--------------------------|
| | | | | "Native Hawaiian or Other Pacific Islander" in the ACS population | | | |
| 55 | NH_SOR_alone_ACSMOE_16_20 | Population | MOE - Some other race alone, not Hispanic or Latino population | Margin of Error of Non-Hispanic Some other Race only | Persons | ACS | |
| 56 | NH_Multi_Races_CEN_2020 | Population | Non-Hispanic Multi-Racial in the 2020 Census | Number of people who indicate no Hispanic origin and their race as at least two of "White", "Black or African American", "American Indian or Alaska Native", "Asian", "Native Hawaiian or Other Pacific Islander," or "Some Other Race" in the 2020 Census population | Persons | 2020 Census | Tot_Population_CEN_2020 |
| 57 | NH_Multi_Races_ACS_16_20 | Population | Multi-Racial, not Hispanic or Latino population in the ACS | Number of people who indicate no Hispanic origin and their race as at least two of "White", "Black or African American", "American Indian or Alaska Native", "Asian", "Native Hawaiian or Other Pacific Islander," or "Some Other Race" in the ACS population | Persons | ACS | Tot_Population_ACS_16_20 |
| 58 | NH_Multi_Races_ACSMOE_16_20 | Population | MOE – Multi-Racial, not Hispanic or Latino population | Margin of Error of Non-Hispanic Multi-Racial | Persons | ACS | |
| 59 | Pop_5yrs_Over_ACS_16_20 | Population | Population 5 years and older (denominator for language) in the ACS | Number of people ages 5 years and over at time of interview in the ACS population | Persons | ACS | Tot_Population_ACS_16_20 |
| 60 | Pop_5yrs_Over_ACSMOE_16_20 | Population | MOE - Population 5 years and older (denominator for language) | Margin of Error of Population 5 years and over | Persons | ACS | |
| 61 | Othr_Lang_ACS_16_20 | Population | Population 5 years and older that speak a language other than English at home in the ACS | Number of people ages 5 years and over at the time of interview that speak a language other than English at home in the ACS population, regardless of ability to speak English | Persons | ACS | Pop_5yrs_Over_ACS_16_20 |
| 62 | Othr_Lang_ACSMOE_16_20 | Population | MOE - Population 5 years and older that speak a language other than English at home | Margin of Error of Population 5 years and over that speak a language other than English at home, regardless of ability to speak English | Persons | ACS | |

| VARNUM | NAME | Unit of Measure | LABEL | Definitions | Unit Level | Source | Denominator Note |
|--------|--------------------------------|-----------------|---|--|------------|--------|--------------------------|
| 63 | Pop_25yrs_Over_ACS_16_20 | Population | Number of people 25 years old and over (denominator for educ. attainment) in the ACS | Number of people ages 25 years and over at time of interview in the ACS population | Persons | ACS | Tot_Population_ACS_16_20 |
| 64 | Pop_25yrs_Over_ACSMOE_16_20 | Population | MOE - Number of people 25 years old and over (denominator for educ. attainment) | Margin of Error of Number of people 25 years old and over | Persons | ACS | |
| 65 | Not_HS_Grad_ACS_16_20 | Population | Number of people 25 years old and over who are not high school graduates | Number of people ages 25 years and over at time of interview who are not high school graduates and have not received a diploma or the equivalent in the ACS population | Persons | ACS | Pop_25yrs_Over_ACS_16_20 |
| 66 | Not_HS_Grad_ACSMOE_16_20 | Population | MOE - Number of people 25 years old and over who are not high school graduates | Margin of Error of Number of people 25 years old and over who are not high school graduates | Persons | ACS | |
| 67 | Educ_Grade6orLess_ACS_16_20 | Population | Number of people 25 years old and over who have a highest level of education of Grade 6 or less | Number of people ages 25 years and over at time of interview who have a highest level of education of Grade 6 or less in the ACS population | Persons | ACS | Pop_25yrs_Over_ACS_16_20 |
| 68 | Educ_Grade6orLess_ACSMOE_16_20 | Population | MOE - Number of people 25 years old and over who have a highest level of education of Grade 6 or less | Margin of Error of Number of people ages 25 years and over who have a highest level of education of Grade 6 or less | Persons | ACS | |
| 69 | College_ACS_16_20 | Population | Persons 25+ years and over with bachelors degree or higher in the ACS | Number of people ages 25 years and over at the time of interview with a college degree or higher in the ACS population | Persons | ACS | Pop_25yrs_Over_ACS_16_20 |
| 70 | College_ACSMOE_16_20 | Population | MOE - Persons 25+ years and over with bachelors degree or higher | Margin of Error of Persons 25 and over with a college degree or higher | Persons | ACS | |
| 71 | Pov_Univ_ACS_16_20 | Population | Population for whom poverty level is determined (denominator for persons blw pov.) in the ACS | Number of people excluding institutionalized people, people in military group quarters, people in college dormitories, and unrelated individuals under 15 years old in the ACS | Persons | ACS | Tot_Population_ACS_16_20 |
| 72 | Pov_Univ_ACSMOE_16_20 | Population | MOE - Population for whom poverty level is determined (denominator for persons blw pov.) | Margin of Error for Population for whom poverty level is determined | Persons | ACS | |
| 73 | Prs_Blw_Pov_Lev_ACS_16_20 | Population | Number of people classified as below the poverty level in the ACS | Number of people classified as below the poverty level given their total family or household income within the last year, family size, and family | Persons | ACS | Pov_Univ_ACS_16_20 |

| VARNUM | NAME | Unit of Measure | LABEL | Definitions | Unit Level | Source | Denominator Note |
|--------|----------------------------------|-----------------|---|---|------------|--------|--------------------------|
| | | | | composition in the ACS population | | | |
| 74 | Prs_Blw_Pov_Lev_ACSMOE_16_20 | Population | MOE - Number of people classified as below the poverty level | Margin of Error of Number of people classified as below the poverty level | Persons | ACS | |
| 75 | One_Health_Ins_ACS_16_20 | Population | Number of people with one type of health insurance coverage in the ACS | Number of people who have one type of health insurance coverage, including public or private insurance, in the ACS population | Persons | ACS | |
| 76 | One_Health_Ins_ACSMOE_16_20 | Population | MOE - Number of people with one type of health insurance coverage | Margin of Error of Number of people who have one type of health insurance coverage | Persons | ACS | |
| 77 | Two_Plus_Health_Ins_ACS_16_20 | Population | Number of people with two or more types of health insurance coverage in the ACS | Number of people who have two or more types of health insurance at the same time, in the ACS population | Persons | ACS | |
| 78 | Two_Plus_Health_Ins_ACSMOE_16_20 | Population | MOE - Number of people with two or more types of health insurance coverage | Margin of Error of Number of people who have two or more types of health insurance coverage | Persons | ACS | |
| 79 | No_Health_Ins_ACS_16_20 | Population | Number of people with no health insurance coverage in the ACS | Number of people who have no health insurance coverage, public or private, in the ACS population | Persons | ACS | |
| 80 | No_Health_Ins_ACSMOE_16_20 | Population | MOE - Number of people with no health insurance coverage | Margin of Error of Number of people who have no health insurance coverage | Persons | ACS | |
| 81 | Pop_1yr_Over_ACS_16_20 | Population | Number of people 1 year old and over (denominator for Diff HU 1 yr ago) in the ACS | Number of people ages 1 year and over at time of interview in the ACS population | Persons | ACS | Tot_Population_ACS_16_20 |
| 82 | Pop_1yr_Over_ACSMOE_16_20 | Population | MOE - Number of people 1 year and over | Margin of Error for Number of people 1 year old and over | Persons | ACS | |
| 83 | Diff_HU_1yr_Ago_ACS_16_20 | Population | Different House One Year Ago in the ACS | Number of people who moved from another residence in the U.S. or Puerto Rico within the last year in the ACS population | Persons | ACS | Pop_1yr_Over_ACS_16_20 |
| 84 | Diff_HU_1yr_Ago_ACSMOE_16_20 | Population | MOE - Different House One Year Ago (Derived) | Margin of Error of Different house one year ago | Persons | ACS | |
| 85 | ENG_VW_SPAN_ACS_16_20 | Household | Spanish - Limited English speaking household (Use Tot ACS Occ HU as denominator) in the ACS | Number of ACS households where a Spanish or Spanish Creole language was assigned as the household language and no one ages 14 years and over speaks English only or | Households | ACS | Tot_Occp_Units_ACS_16_20 |

| VARNUM | NAME | Unit of Measure | LABEL | Definitions | Unit Level | Source | Denominator Note |
|--------|-------------------------------|-----------------|--|---|------------|--------|--------------------------|
| | | | | speaks English "very well" | | | |
| 86 | ENG_VW_SPAN_ACSMOE_16_20 | Household | MOE - Spanish - Limited English speaking household (Use Tot ACS Occ HU as denominator) | Margin of Error of Spanish-No one 14 and over speaks English only or speaks English "very well" | Households | ACS | |
| 87 | ENG_VW_INDO_EURO_ACS_16_20 | Household | INDO EURO - Limited English speaking household (Use Tot ACS Occ HU as denominator) in the ACS | Number of ACS households where an Indo-European language was assigned as the household language and no one ages 14 years and over speaks English only or speaks English "very well" | Households | ACS | Tot_Occp_Units_ACS_16_20 |
| 88 | ENG_VW_INDO_EURO_ACSMOE_16_20 | Household | MOE - INDO EURO - Limited English speaking household (Use Tot ACS Occ HU as denominator) | Margin of Error of INDO EURO -No one 14 and over speaks English only or speaks English "very well" | Households | ACS | |
| 89 | ENG_VW_API_ACS_16_20 | Household | Asian and PI - Limited English speaking household (Use Tot ACS Occ HU as denominator) in the ACS | Number of ACS households where an Asian and Pacific Island language was assigned as the household language and no one ages 14 years and over speaks English only or speaks English "very well" | Households | ACS | Tot_Occp_Units_ACS_16_20 |
| 90 | ENG_VW_API_ACSMOE_16_20 | Household | MOE - Asian and PI - Limited English speaking household (Use Tot ACS Occ HU as denominator) | Margin of Error of API-No one 14 and over speaks English only or speaks English "very well" | Households | ACS | |
| 91 | ENG_VW_OTHER_ACS_16_20 | Household | Other - Limited English speaking household (Use Tot ACS Occ HU as denominator) in the ACS | Number of ACS households where a language other than English, Spanish, Indo-Euro, or API was assigned as the household language and no one ages 14 years and over speaks English only or speaks English "very well" | Households | ACS | Tot_Occp_Units_ACS_16_20 |
| 92 | ENG_VW_OTHER_ACSMOE_16_20 | Household | MOE - Other - Limited English speaking household (Use Tot ACS Occ HU as denominator) | Margin of Error of OTH-No one 14 and over speaks English only or speaks English "very well" | Households | ACS | |
| 93 | ENG_VW_ACS_16_20 | Household | Limited English speaking household (Use Tot ACS Occ HU as denominator) in the ACS | Number of ACS households where no one ages 14 years and over speaks English only or speaks English "very well" | Households | ACS | Tot_Occp_Units_ACS_16_20 |
| 94 | ENG_VW_ACSMOE_16_20 | Household | MOE - Limited English speaking household (Use Tot ACS Occ HU as denominator) | Margin of Error of No one 14 and over speaks English only or speaks English "very well" | Households | ACS | |

| VARNUM | NAME | Unit of Measure | LABEL | Definitions | Unit Level | Source | Denominator Note |
|--------|-------------------------------|-----------------|--|---|------------|--------|--------------------------|
| 95 | Rel_Family_HHD_ACS_16_20 | Household | Related family households in the ACS | Number of ACS households where at least 2 members are related by birth, marriage, or adoption; unmarried same-sex couple households with no relatives of the householder present are not included | Households | ACS | Tot_Occp_Units_ACS_16_20 |
| 96 | Rel_Family_HHD_ACSMOE_16_20 | Household | MOE - Related family households | Margin of Error of Related family households | Households | ACS | |
| 97 | MrdCple_Fmly_HHD_ACS_16_20 | Household | Married-couple families in the ACS | Number of ACS households in which the householder and his or her spouse are listed as members of the same household; does include same-sex married couples | Households | ACS | Tot_Occp_Units_ACS_16_20 |
| 98 | MrdCple_Fmly_HHD_ACSMOE_16_20 | Household | MOE - Married-couple families | Margin of Error of Married-Couple Family | Households | ACS | |
| 99 | Not_MrdCple_HHD_ACS_16_20 | Household | Households with no Married Couple present in the ACS | Number of ACS households with no spousal relationship present | Households | ACS | Tot_Occp_Units_ACS_16_20 |
| 100 | Not_MrdCple_HHD_ACSMOE_16_20 | Household | MOE - Households with no Married Couple present | Margin of Error of Number of ACS households with no spousal relationship present | Households | ACS | |
| 101 | Female_No_SP_ACS_16_20 | Household | Households with a female householder, no spouse present in the ACS | Number of ACS households with a female householder and no spouse of householder present | Households | ACS | Tot_Occp_Units_ACS_16_20 |
| 102 | Female_No_SP_ACSMOE_16_20 | Household | MOE - Households with a female householder, no spouse present | Margin of Error of Female householder, no spouse present | Households | ACS | |
| 103 | NonFamily_HHD_ACS_16_20 | Household | Nonfamily households: Unrelated household in the ACS | Number of ACS households where a householder lives alone or with nonrelatives only; includes unmarried same-sex couples where no relatives of the householder are present | Households | ACS | Tot_Occp_Units_ACS_16_20 |
| 104 | NonFamily_HHD_ACSMOE_16_20 | Household | MOE - Nonfamily households: Unrelated household | Margin of Error of Nonfamily household: Unrelated households | Households | ACS | |
| 105 | Sngl_Prns_HHD_ACS_16_20 | Household | Single Person households in the ACS | Number of ACS households where a householder lives alone | Households | ACS | Tot_Occp_Units_ACS_16_20 |
| 106 | Sngl_Prns_HHD_ACSMOE_16_20 | Household | MOE - Single Person households | Margin of Error of Single person householder living alone | Households | ACS | |
| 107 | HHD_PPL_Und_18_ACS_16_20 | Household | Households with one ore more people under 18 years old in the ACS | Number of ACS households where one or more people are ages 18 years or under | Households | ACS | Tot_Occp_Units_ACS_16_20 |

| VARNUM | NAME | Unit of Measure | LABEL | Definitions | Unit Level | Source | Denominator Note |
|--------|--------------------------------|-----------------|---|---|------------|--------|--------------------------|
| 108 | HHD_PPL_Und_18_ACSMOE_16_20 | Household | MOE - Households with one ore more people under 18 years old | Margin of Error of Households with one or more people under 18 years | Households | ACS | |
| 109 | Tot_Prns_in_HHD_ACS_16_20 | Household | Total Persons in households in the ACS | All persons (household population) in ACS occupied housing unit. This is the numerator to calculate the average household size. | Persons | ACS | Tot_Occp_Units_ACS_16_20 |
| 110 | Tot_Prns_in_HHD_ACSMOE_16_20 | Household | MOE - Total Persons in households | Margin of Error of Total Persons in households | Persons | ACS | |
| 111 | Rel_Child_Under_6_ACS_16_20 | Household | Number of families with related children under 6 years old in the ACS | Number of ACS families with related children under 6 years old | Families | ACS | Rel_Family_HHD_ACS_16_20 |
| 112 | Rel_Child_Under_6_ACSMOE_16_20 | Household | MOE - Number of families with related children under 6 years old | Margin of Error of Number of families with related children under 6 years old | Families | ACS | |
| 113 | HHD_Moved_in_ACS_16_20 | Household | Number of households, householder moved in 2020 or later in the ACS | Number of ACS households where the householder moved into the current unit in the year 2020 or later | Households | ACS | Tot_Occp_Units_ACS_16_20 |
| 114 | HHD_Moved_in_ACSMOE_16_20 | Household | MOE - Number of households, householder moved in 2020 or later | Margin of Error of Number of households where the householder moved into the current unit in the year 2020 or later | Households | ACS | |
| 115 | PUB_ASST_INC_ACS_16_20 | Household | With Public Assistance Income in the ACS | Number of ACS households that receive public assistance income (general assistance and Temporary Assistance to Needy Families) | Households | ACS | Tot_Occp_Units_ACS_16_20 |
| 116 | PUB_ASST_INC_ACSMOE_16_20 | Household | MOE - With Public Assistance Income | Margin of Error of With Public Assistance Income | Households | ACS | |
| 117 | Med_HHD_Inc_BG_ACS_16_20 | Household | Median Household Income – Block Group level in the ACS | Median ACS household income for the block group | Households | ACS | |
| 118 | Med_HHD_Inc_BG_ACSMOE_16_20 | Household | MOE - Median Household Income – Block Group level | Margin of Error of Med household income for the block group | Households | ACS | |
| 119 | Med_HHD_Inc_TR_ACS_16_20 | Household | Median Household Income – Tract level in the ACS | Median ACS household income for the tract | Households | ACS | |
| 120 | Med_HHD_Inc_TR_ACSMOE_16_20 | Household | MOE - Median Household Income – Tract level | Margin of Error of Med household income for the tract | Households | ACS | |
| 121 | Aggregate_HH_INC_ACS_16_20 | Household | Aggregate Household Income in the ACS | Sum of all incomes in the household | Households | ACS | |
| 122 | Aggregate_HH_INC_ACSMOE_16_20 | Household | MOE - Aggregate Household Income | Margin of Error for Aggregate household income | Households | ACS | |

| VARNUM | NAME | Unit of Measure | LABEL | Definitions | Unit Level | Source | Denominator Note |
|--------|--------------------------------|-----------------|---|--|---------------|-------------|-----------------------------|
| 123 | Tot_Housing_Units_CEN_2020 | Housing Unit | Total Housing Units in the 2020 Census | Number of 2020 Census living quarters in which the occupant(s) live separately from any other individuals in the building and have direct access | Housing Units | 2020 Census | |
| 124 | Tot_Housing_Units_ACS_16_20 | Housing Unit | Total Housing Units in the ACS | Number of ACS living quarters in which the occupant(s) live separately from any other individuals in the building and have direct access | Housing Units | ACS | |
| 125 | Tot_Housing_Units_ACSMOE_16_20 | Housing Unit | MOE - Total Housing Units | Margin of Error for Total Housing Units | Housing Units | | |
| 126 | Tot_Occp_Units_CEN_2020 | Housing Unit | Total Occupied Housing Units in the 2020 Census | Number of 2020 Census housing units classified as usual place of residence of the individual or group living in it | Housing Units | 2020 Census | Tot_Housing_Units_CEN_2020 |
| 127 | Tot_Occp_Units_ACS_16_20 | Housing Unit | Total Occupied Housing Units in the ACS | Number of ACS housing units classified as usual place of residence of the individual or group living in it | Housing Units | ACS | Tot_Housing_Units_ACS_16_20 |
| 128 | Tot_Occp_Units_ACSMOE_16_20 | Housing Unit | MOE - Total Occupied Housing Units | Margin of Error for Total Occupied Housing Units | Housing Units | ACS | |
| 129 | Tot_Vacant_Units_CEN_2020 | Housing Unit | Total vacant Housing Units in the 2020 Census | Number of 2020 Census housing units with no regular occupants on Census Day; housing units with its usual occupants temporarily away (such as on vacation, a business trip, or in the hospital) are not considered vacant, but housing units temporarily occupied on Census Day by people who have a usual residence elsewhere are considered vacant | Housing Units | 2020 Census | Tot_Housing_Units_CEN_2020 |
| 130 | Tot_Vacant_Units_ACS_16_20 | Housing Unit | Total Vacant Housing Units in the ACS | Number of ACS housing units where no one is living regularly at the time of interview; units occupied at the time of interview entirely by persons who are staying two months or less and who have a more permanent residence elsewhere are classified as vacant | Housing Units | ACS | Tot_Housing_Units_ACS_16_20 |
| 131 | Tot_Vacant_Units_ACSMOE_16_20 | Housing Unit | MOE - Total Vacant Housing Units | Margin of Error for Total vacant housing units | Housing Units | ACS | |
| 132 | Renter_Occp_HU_ACS_16_20 | Housing Unit | Number of renter occupied units in the ACS | Number of ACS occupied housing units that are not owner occupied, whether they are rented or occupied without payment of rent | Housing Units | ACS | Tot_Occp_Units_ACS_16_20 |

| VARNUM | NAME | Unit of Measure | LABEL | Definitions | Unit Level | Source | Denominator Note |
|--------|--------------------------------|-----------------|---|--|---------------|--------|-----------------------------|
| 133 | Renter_Occp_HU_ACSMOE_16_20 | Housing Unit | MOE - Number of renter occupied units | Margin of Error for Number of renter occupied units | Housing Units | ACS | |
| 134 | Owner_Occp_HU_ACS_16_20 | Housing Unit | Number of owner occupied units in the ACS | Number of ACS housing units where owner or co-owner lives in it | Housing Units | ACS | Tot_Occp_Units_ACS_16_20 |
| 135 | Owner_Occp_HU_ACSMOE_16_20 | Housing Unit | MOE - Number of owner occupied units | Margin of Error for Number of owner occupied units | Housing Units | ACS | |
| 136 | Single_Unit_ACS_16_20 | Housing Unit | Housing units in structures containing only 1 housing unit in the ACS | Number of ACS housing units in which the structure contains only that single unit | Housing Units | ACS | Tot_Housing_Units_ACS_16_20 |
| 137 | Single_Unit_ACSMOE_16_20 | Housing Unit | MOE - Housing units in structures containing only 1 housing unit | Margin of Error for Number of units in structures containing only 1 housing unit | Housing Units | ACS | |
| 138 | MLT_U2_9_STRC_ACS_16_20 | Housing Unit | Housing units in structures containing two to nine housing units in the ACS | Number of ACS housing units in which the structure contains two or more housing units | Housing Units | ACS | Tot_Housing_Units_ACS_16_20 |
| 139 | MLT_U2_9_STRC_ACSMOE_16_20 | Housing Unit | MOE - Housing units in structures containing two to nine housing units | Margin of Error for Number of units in structures containing two or more housing units | Housing Units | ACS | |
| 140 | MLT_U10p_ACS_16_20 | Housing Unit | Housing units in structures containing 10 or more housing units in the ACS | Number of ACS housing units in which the structure contains 10 or more housing units | Housing Units | ACS | Tot_Housing_Units_ACS_16_20 |
| 141 | MLT_U10p_ACSMOE_16_20 | Housing Unit | MOE - Housing units in structures containing 10 or more housing units | Margin of Error for Number of units in structures containing 10 or more housing units | Housing Units | ACS | |
| 142 | Mobile_Homes_ACS_16_20 | Housing Unit | Mobile Homes in the ACS | Number of ACS housing units that are considered mobile homes | Housing Units | ACS | Tot_Housing_Units_ACS_16_20 |
| 143 | Mobile_Homes_ACSMOE_16_20 | Housing Unit | MOE - Mobile Homes | Margin of Error for Mobile Homes | Housing Units | ACS | |
| 144 | Crowd_Occp_U_ACS_16_20 | Housing Unit | Occupied Units with more than 1.01 persons per room in the ACS | Number of ACS occupied housing units with more than 1.01 persons per room | Housing Units | ACS | Tot_Occp_Units_ACS_16_20 |
| 145 | Crowd_Occp_U_ACSMOE_16_20 | Housing Unit | MOE - Occupied Units with more than 1.01 persons per room | Margin of Error for Occupied units with more than 1.01 persons per room | Housing Units | ACS | |
| 146 | Occp_U_NO_PH_SRVC_ACS_16_20 | Housing Unit | Number of housing units without telephone service in the ACS | Number of ACS housing units without a working telephone and available service | Housing Units | ACS | Tot_Occp_Units_ACS_16_20 |
| 147 | Occp_U_NO_PH_SRVC_ACSMOE_16_20 | Housing Unit | MOE - Number of housing units without telephone service | Margin of Error for Number of units without a telephone | Housing Units | ACS | |
| 148 | No_Plumb_ACS_16_20 | Housing Unit | Housing units without complete plumbing facilities in the ACS | Number of ACS housing units lacking complete plumbing facilities | Housing Units | ACS | Tot_Housing_Units_ACS_16_20 |

| VARNUM | NAME | Unit of Measure | LABEL | Definitions | Unit Level | Source | Denominator Note |
|--------|---------------------------------|------------------------|---|--|---------------|--------|-----------------------------|
| 149 | No_Plumb_ACSMOE_16_20 | Housing Unit | MOE - Housing units without complete plumbing facilities | Margin of Error for housing units lacking complete plumbing facilities | Housing Units | ACS | |
| 150 | Recent_Built_HU_ACS_16_20 | Housing Unit | Housing Units built in 2020 or later in the ACS | Number of both occupied and vacant ACS housing units whose building was constructed in 2020 or later | Housing Units | ACS | Tot_Housing_Units_ACS_16_20 |
| 151 | Recent_Built_HU_ACSMOE_16_20 | Housing Unit | MOE - Housing Units built in 2020 or later | Margin of Error for HUs built 2020 or later | Housing Units | ACS | |
| 152 | Med_House_Value_BG_ACS_16_20 | Housing Unit | Median House Value – Block Group level in the ACS | Median of ACS respondents' house value estimates for the block group | Housing Units | ACS | |
| 153 | Med_House_Value_BG_ACSMOE_16_20 | Housing Unit | MOE - Median House Value – Block Group level | Margin of Error for Med House value for the block group | Housing Units | ACS | |
| 154 | Med_House_Value_TR_ACS_16_20 | Housing Unit | Median House Value - Tract level in the ACS | Median of ACS respondents' house value estimates for the tract | Housing Units | ACS | |
| 155 | Med_House_Value_TR_ACSMOE_16_20 | Housing Unit | MOE - Median House Value - Tract level | Margin of Error for Med House value for the tract | Housing Units | ACS | |
| 156 | Aggr_House_Value_ACS_16_20 | Housing Unit | Aggregate housing unit value (dollars) in the ACS | Sum of all value estimates for owner-occupied ACS housing units in an area | Housing Units | ACS | |
| 157 | Aggr_House_Value_ACSMOE_16_20 | Housing Unit | MOE - Aggregate housing unit value (dollars) | Margin of Error for Aggregate value in dollars | Housing Units | ACS | |
| 158 | pct_Males_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing Males_ACS_16_20 by Tot_Population_ACS_16_20 | The percentage of the ACS population that is male | Persons | ACS | |
| 159 | pct_Males_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing Males_ACS_16_20 by Tot_Population_ACS_16_20 | Margin of error of the percentage of the ACS population that is male | Persons | ACS | |
| 160 | pct_Females_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing Females_ACS_16_20 by Tot_Population_ACS_16_20 | The percentage of the ACS population that is female | Persons | ACS | |
| 161 | pct_Females_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing Females_ACS_16_20 by Tot_Population_ACS_16_20 | Margin of error of the percentage of the ACS population that is female | Persons | ACS | |
| 162 | pct_Pop_under_5_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing Pop_under_5_ACS_16_20 by Tot_Population_ACS_16_20 | The percentage of the ACS population that is under five years old | Persons | ACS | |
| 163 | pct_Pop_under_5_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing Pop_under_5_ACS_16_20 by Tot_Population_ACS_16_20 | Margin of error of the percentage of the ACS population that is under five years old | Persons | ACS | |
| 164 | pct_Pop_5_17_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing Pop_5_17_ACS_16_20 by Tot_Population_ACS_16_20 | The percentage of the ACS population that is between 5 and 17 years old | Persons | ACS | |

| VARNUM | NAME | Unit of Measure | LABEL | Definitions | Unit Level | Source | Denominator Note |
|--------|-----------------------------|------------------------|--|--|------------|-------------|------------------|
| 165 | pct_Pop_5_17_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing Pop_5_17_ACS_16_20 by Tot_Population_ACS_16_20 | Margin of error of the percentage of the ACS population that is between 5 and 17 years old | Persons | ACS | |
| 166 | pct_Pop_18_24_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing Pop_18_24_ACS_16_20 by Tot_Population_ACS_16_20 | The percentage of the ACS population that is between 18 and 24 years old | Persons | ACS | |
| 167 | pct_Pop_18_24_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing Pop_18_24_ACS_16_20 by Tot_Population_ACS_16_20 | Margin of error of the percentage of the ACS population that is between 18 and 24 years old | Persons | ACS | |
| 168 | pct_Pop_25_44_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing Pop_25_44_ACS_16_20 by Tot_Population_ACS_16_20 | The percentage of the ACS population that is between 25 and 44 years old | Persons | ACS | |
| 169 | pct_Pop_25_44_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing Pop_25_44_ACS_16_20 by Tot_Population_ACS_16_20 | Margin of error of the percentage of the ACS population that is between 25 and 44 years old | Persons | ACS | |
| 170 | pct_Pop_45_64_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing Pop_45_64_ACS_16_20 by Tot_Population_ACS_16_20 | The percentage of the ACS population that is between 45 and 64 years old | Persons | ACS | |
| 171 | pct_Pop_45_64_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing Pop_45_64_ACS_16_20 by Tot_Population_ACS_16_20 | Margin of error of the percentage of the ACS population that is between 45 and 64 years old | Persons | ACS | |
| 172 | pct_Pop_65plus_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing Pop_65plus_ACS_16_20 by Tot_Population_ACS_16_20 | The percentage of the ACS population that is 65 years old or over | Persons | ACS | |
| 173 | pct_Pop_65plus_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing Pop_65plus_ACS_16_20 by Tot_Population_ACS_16_20 | Margin of error of the percentage of the ACS population that is 65 years old or over | Persons | ACS | |
| 174 | pct_Tot_GQ_CEN_2020 | Calculated Percentages | Percentage calculated by dividing Tot_GQ_CEN_2020 by Tot_Population_CEN_2020 | The percentage of the 2020 Census population living or staying in a group living arrangement owned by an entity providing housing to residents, who are usually unrelated, as of April 1, 2020 | Persons | 2020 Census | |
| 175 | pct_Inst_GQ_CEN_2020 | Calculated Percentages | Percentage calculated by dividing Inst_GQ_CEN_2020 by Tot_Population_CEN_2020 | The percentage of the 2020 Census population who live in group quarters and are primarily ineligible, unable, or unlikely to participate in labor force while residents. Institutional group quarters include correctional facilities for adults, juvenile facilities, nursing facilities, and other institutional facilities. | Persons | 2020 Census | |

| VARNUM | NAME | Unit of Measure | LABEL | Definitions | Unit Level | Source | Denominator Note |
|--------|---------------------------------|------------------------|--|--|------------|-------------|------------------|
| 176 | pct_Non_Inst_GQ_CEN_2020 | Calculated Percentages | Percentage calculated by dividing Non_Inst_GQ_CEN_2020 by Tot_Population_CEN_2020 | The percentage of the 2020 Census population who live in group quarters and are primarily eligible, able, or likely to participate in labor force while residents. Noninstitutional group quarters include college/university student housing, military quarters, and other noninstitutional facilities. | Persons | 2020 Census | |
| 177 | pct_Hispanic_CEN_2020 | Calculated Percentages | Percentage calculated by dividing Hispanic_CEN_2020 by Tot_Population_CEN_2020 | The percentage of the 2020 Census total population that identify as "Mexican", "Puerto Rican", "Cuban", or "another Hispanic, Latino, or Spanish origin" | Persons | 2020 Census | |
| 178 | pct_Hispanic_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing Hispanic_ACS_16_20 by Tot_Population_ACS_16_20 | The percentage of the ACS population that identify as "Mexican", "Puerto Rican", "Cuban", or "another Hispanic, Latino, or Spanish origin" | Persons | ACS | |
| 179 | pct_Hispanic_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing Hispanic_ACS_16_20 by Tot_Population_ACS_16_20 | Margin of error of the percentage of the ACS population that identify as "Mexican", "Puerto Rican", "Cuban", or "another Hispanic, Latino, or Spanish origin" | Persons | ACS | |
| 180 | pct_NH_White_alone_CEN_2020 | Calculated Percentages | Percentage calculated by dividing NH_White_alone_CEN_2020 by Tot_Population_CEN_2020 | The percentage of the 2020 Census total population that indicate no Hispanic origin and their only race as "White" or report entries such as Irish, German, Italian, Lebanese, Arab, Moroccan, or Caucasian | Persons | 2020 Census | |
| 181 | pct_NH_White_alone_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing NH_White_alone_ACS_16_20 by Tot_Population_ACS_16_20 | The percentage of the ACS population that indicate no Hispanic origin and their only race as "White" or report entries such as Irish, German, Italian, Lebanese, Arab, Moroccan, or Caucasian | Persons | ACS | |
| 182 | pct_NH_White_alone_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing NH_White_alone_ACS_16_20 by Tot_Population_ACS_16_20 | Margin of error of the percentage of the ACS population that indicate no Hispanic origin and their only race as "White" or report entries such as Irish, German, Italian, Lebanese, Arab, Moroccan, or Caucasian | Persons | ACS | |

| VARNUM | NAME | Unit of Measure | LABEL | Definitions | Unit Level | Source | Denominator Note |
|--------|--------------------------------|------------------------|---|---|------------|-------------|------------------|
| 183 | pct_NH_Blk_alone_CEN_2020 | Calculated Percentages | Percentage calculated by dividing NH_Blk_alone_CEN_2020 by Tot_Population_CEN_2020 | The percentage of the 2020 Census total population that indicate no Hispanic origin and their only race as "Black, African Am., or Negro" or report entries such as African American, Kenyan, Nigerian, or Haitian | Persons | 2020 Census | |
| 184 | pct_NH_Blk_alone_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing NH_Blk_alone_ACS_16_20 by Tot_Population_ACS_16_20 | The percentage of the ACS population that indicate no Hispanic origin and their only race as "Black, African Am., or Negro" or report entries such as African American, Kenyan, Nigerian, or Haitian | Persons | ACS | |
| 185 | pct_NH_Blk_alone_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing NH_Blk_alone_ACS_16_20 by Tot_Population_ACS_16_20 | Margin of error of the percentage of the ACS population that indicate no Hispanic origin and their only race as "Black, African Am., or Negro" or report entries such as African American, Kenyan, Nigerian, or Haitian | Persons | ACS | |
| 186 | pct_NH_AIAN_alone_CEN_2020 | Calculated Percentages | Percentage calculated by dividing NH_AIAN_alone_CEN_2020 by Tot_Population_CEN_2020 | The percentage of the 2020 Census total population that indicate no Hispanic origin and their only race as "American Indian or Alaska Native" or report entries such as Navajo, Blackfeet, Inupiat, Yup'ik, or Central/South American Indian groups | Persons | 2020 Census | |
| 187 | pct_NH_AIAN_alone_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing NH_AIAN_alone_ACS_16_20 by Tot_Population_ACS_16_20 | The percentage of the ACS population that indicate no Hispanic origin and their only race as "American Indian or Alaska Native" or report entries such as Navajo, Blackfeet, Inupiat, Yup'ik, or Central/South American Indian groups | Persons | ACS | |
| 188 | pct_NH_AIAN_alone_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing NH_AIAN_alone_ACS_16_20 by Tot_Population_ACS_16_20 | Margin of error of the percentage of the ACS population that indicate no Hispanic origin and their only race as "American Indian or Alaska Native" or report entries such as Navajo, Blackfeet, Inupiat, Yup'ik, or Central/South American Indian | Persons | ACS | |

| VARNUM | NAME | Unit of Measure | LABEL | Definitions | Unit Level | Source | Denominator Note |
|--------|---------------------------------|------------------------|--|---|------------|-------------|------------------|
| | | | | groups | | | |
| 189 | pct_NH_Asian_alone_CEN_2020 | Calculated Percentages | Percentage calculated by dividing NH_Asian_alone_CEN_2020 by Tot_Population_CEN_2020 | The percentage of the 2020 Census total population that indicate no Hispanic origin and their only race as "Asian Indian", "Chinese", "Filipino", "Korean", "Japanese", "Vietnamese", or "Other Asian" | Persons | 2020 Census | |
| 190 | pct_NH_Asian_alone_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing NH_Asian_alone_ACS_16_20 by Tot_Population_ACS_16_20 | The percentage of the ACS population that indicate no Hispanic origin and their only race as "Asian Indian", "Chinese", "Filipino", "Korean", "Japanese", "Vietnamese", or "Other Asian" | Persons | ACS | |
| 191 | pct_NH_Asian_alone_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing NH_Asian_alone_ACS_16_20 by Tot_Population_ACS_16_20 | Margin of error of the percentage of the ACS population that indicate no Hispanic origin and their only race as "Asian Indian", "Chinese", "Filipino", "Korean", "Japanese", "Vietnamese", or "Other Asian" | Persons | ACS | |
| 192 | pct_NH_NHOPI_alone_CEN_2020 | Calculated Percentages | Percentage calculated by dividing NH_NHOPI_alone_CEN_2020 by Tot_Population_CEN_2020 | The percentage of the 2020 Census total population that indicate no Hispanic origin and their only race as "Native Hawaiian", "Guamanian or Chamorro", "Samoan", or "Other Pacific Islander" | Persons | 2020 Census | |
| 193 | pct_NH_NHOPI_alone_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing NH_NHOPI_alone_ACS_16_20 by Tot_Population_ACS_16_20 | The percentage of the ACS population that indicate no Hispanic origin and their only race as "Native Hawaiian", "Guamanian or Chamorro", "Samoan", or "Other Pacific Islander" | Persons | ACS | |
| 194 | pct_NH_NHOPI_alone_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing NH_NHOPI_alone_ACS_16_20 by Tot_Population_ACS_16_20 | Margin of error of the percentage of the ACS population that indicate no Hispanic origin and their only race as "Native Hawaiian", "Guamanian or Chamorro", "Samoan", or "Other Pacific Islander" | Persons | ACS | |

| VARNUM | NAME | Unit of Measure | LABEL | Definitions | Unit Level | Source | Denominator Note |
|--------|-------------------------------|------------------------|--|--|------------|-------------|------------------|
| 195 | pct_NH_SOR_alone_CEN_2020 | Calculated Percentages | Percentage calculated by dividing NH_SOR_alone_CEN_2020 by Tot_Population_CEN_2020 | The percentage of the 2020 Census total population that indicate no Hispanic origin and their race as other than "White", "Hispanic", "Black or African American", "American Indian or Alaska Native", "Asian", and "Native Hawaiian or Other Pacific Islander" | Persons | 2020 Census | |
| 196 | pct_NH_SOR_alone_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing NH_SOR_alone_ACS_16_20 by Tot_Population_ACS_16_20 | The percentage of the ACS population that indicate no Hispanic origin and their race as other than "White", "Hispanic", "Black or African American", "American Indian or Alaska Native", "Asian", and "Native Hawaiian or Other Pacific Islander" | Persons | ACS | |
| 197 | pct_NH_SOR_alone_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing NH_SOR_alone_ACS_16_20 by Tot_Population_ACS_16_20 | Margin of error of the percentage of the ACS population that indicate no Hispanic origin and their race as other than "White", "Hispanic", "Black or African American", "American Indian or Alaska Native", "Asian", and "Native Hawaiian or Other Pacific Islander" | Persons | ACS | |
| 198 | pct_NH_Multi_Races_CEN_2020 | Calculated Percentages | Percentage calculated by dividing NH_Multi_Races_CEN_2020 by Tot_Population_CEN_2020 | The percentage of the 2020 Census total population that indicate no Hispanic origin and their race as at least two of "White", "Black or African American", "American Indian or Alaska Native", "Asian", "Native Hawaiian or Other Pacific Islander", or "Some Other Race" | Persons | 2020 Census | |
| 199 | pct_NH_Multi_Races_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing NH_Multi_Races_ACS_16_20 by Tot_Population_ACS_16_20 | The percentage of the ACS population that indicate no Hispanic origin and their race as at least two of "White", "Black or African American", "American Indian or Alaska Native", "Asian", "Native Hawaiian or Other Pacific Islander", or "Some Other Race" | Persons | ACS | |

| VARNUM | NAME | Unit of Measure | LABEL | Definitions | Unit Level | Source | Denominator Note |
|--------|----------------------------------|------------------------|--|---|------------|--------|------------------|
| 200 | pct_NH_Multi_Races_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing NH_Multi_Races_ACS_16_20 by Tot_Population_ACS_16_20 | Margin of error of the percentage of the ACS population that indicate no Hispanic origin and their race as at least two of "White", "Black or African American", "American Indian or Alaska Native", "Asian", "Native Hawaiian or Other Pacific Islander", or “Some Other Race” | Persons | ACS | |
| 201 | pct_Pop_5yrs_Over_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing Pop_5yrs_Over_ACS_16_20 by Tot_Population_ACS_16_20 | The percentage of the ACS population who are ages 5 years and over at time of interview | Persons | ACS | |
| 202 | pct_Pop_5yrs_Over_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing Pop_5yrs_Over_ACS_16_20 by Tot_Population_ACS_16_20 | Margin of error of the percentage of the ACS population who are ages 5 years and over at time of interview | Persons | ACS | |
| 203 | pct_Othr_Lang_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing Othr_Lang_ACS_16_20 by Pop_5yrs_Over_ACS_16_20 | The percentage of the ACS population aged 5 years and over that speaks a language other than English at home | Persons | ACS | |
| 204 | pct_Othr_Lang_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing Othr_Lang_ACS_16_20 by Pop_5yrs_Over_ACS_16_20 | Margin of error of the percentage of the ACS population aged 5 years and over that speaks a language other than English at home | Persons | ACS | |
| 205 | pct_Pop_25yrs_Over_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing Pop_25yrs_Over_ACS_16_20 by Tot_Population_ACS_16_20 | The percentage of the ACS population who are ages 25 years and over at time of interview | Persons | ACS | |
| 206 | pct_Pop_25yrs_Over_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing Pop_25yrs_Over_ACS_16_20 by Tot_Population_ACS_16_20 | Margin of error of the percentage of the ACS population who are ages 25 years and over at time of interview | Persons | ACS | |
| 207 | pct_Not_HS_Grad_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing Not_HS_Grad_ACS_16_20 by Pop_25yrs_Over_ACS_16_20 | The percentage of the ACS population aged 25 years and over that are not high school graduates and have not received a diploma or the equivalent | Persons | ACS | |
| 208 | pct_Not_HS_Grad_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing Not_HS_Grad_ACS_16_20 by Pop_25yrs_Over_ACS_16_20 | Margin of error of the percentage of the ACS population aged 25 years and over that are not high school graduates | Persons | ACS | |
| 209 | pct_Educ_Grade6Less_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing Educ_Grade6orLess_ACS_16_20 by Pop_25yrs_Over_ACS_16_20 | The percentage of the ACS population aged 25 years and over that have a highest level of education of Grade 6 or less | Persons | ACS | |
| 210 | Pct_Educ_Grade6Less_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing Educ_Grade6orLess_ACS_16_20 by | Margin of error of the percentage of the ACS population aged 25 years and over that have a highest level of | Persons | ACS | |

| VARNUM | NAME | Unit of Measure | LABEL | Definitions | Unit Level | Source | Denominator Note |
|--------|----------------------------------|------------------------|--|--|------------|--------|------------------|
| | | | Pop_25yrs_Over_ACS_16_20 | education of Grade 6 or less | | | |
| 211 | pct_College_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing College_ACS_16_20 by Pop_25yrs_Over_ACS_16_20 | The percentage of the ACS population aged 25 years and over that have a college degree or higher | Persons | ACS | |
| 212 | pct_College_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing College_ACS_16_20 by Pop_25yrs_Over_ACS_16_20 | Margin of error of the percentage of the ACS population aged 25 years and over that have a college degree or higher | Persons | ACS | |
| 213 | pct_Pov_Univ_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing Pov_Univ_ACS_16_20 by Tot_Population_ACS_16_20 | The percentage of the ACS population that are not institutionalized people, people in military group quarters, people in college dormitories, and unrelated individuals under 15 years old | Persons | ACS | |
| 214 | pct_Pov_Univ_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing Pov_Univ_ACS_16_20 by Tot_Population_ACS_16_20 | Margin of Error for the percentage of the ACS population that are not institutionalized people, people in military group quarters, people in college dormitories, and unrelated individuals under 15 years old | Persons | ACS | |
| 215 | pct_Prs_Blw_Pov_Lev_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing Prs_Blw_Pov_Lev_ACS_16_20 by Pov_Univ_ACS_16_20 | The percentage of the ACS eligible population that are classified as below the poverty level given their total family or household income within the last year, family size, and family composition | Persons | ACS | |
| 216 | pct_Prs_Blw_Pov_Lev_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing Prs_Blw_Pov_Lev_ACS_16_20 by Pov_Univ_ACS_16_20 | Margin of Error of the percentage of the ACS eligible population that are classified as below the poverty level | Persons | ACS | |
| 217 | pct_One_Health_Ins_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing One_Health_Ins_ACS_16_20 by Tot_Population_ACS_16_20 | The percentage of the ACS population that have one type of health insurance coverage, including public or private | Persons | ACS | |
| 218 | pct_One_Health_Ins_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing One_Health_Ins_ACS_16_20 by Tot_Population_ACS_16_20 | Margin of Error of the percentage of the ACS population that have one type of health insurance | Persons | ACS | |
| 219 | pct_TwoPHealthIns_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing Two_Plus_Health_Ins_ACS_16_20 by Tot_Population_ACS_16_20 | The percentage of the ACS population that have two or more types of health insurance | Persons | ACS | |

| VARNUM | NAME | Unit of Measure | LABEL | Definitions | Unit Level | Source | Denominator Note |
|--------|----------------------------------|------------------------|---|---|------------|--------|------------------|
| 220 | pct_TwoPHealthIns_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing Two_Plus_Health_Ins_ACS_16_20 by Tot_Population_ACS_16_20 | Margin of Error of the percentage of the ACS population that have two or more types of health insurance | Persons | ACS | |
| 221 | pct_No_Health_Ins_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing No_Health_Ins_ACS_16_20 by Tot_Population_ACS_16_20 | The percentage of the ACS population that have no health insurance, public or private | Persons | ACS | |
| 222 | pct_No_Health_Ins_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing No_Health_Ins_ACS_16_20 by Tot_Population_ACS_16_20 | Margin of Error of the percentage of the ACS population that have no health insurance | Persons | ACS | |
| 223 | pct_Pop_1yr_Over_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing Pop_1yr_Over_ACS_16_20 by Tot_Population_ACS_16_20 | The percentage of the ACS population who are ages 1 year and over at time of interview | Persons | ACS | |
| 224 | pct_Pop_1yr_Over_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing Pop_1yr_Over_ACS_16_20 by Tot_Population_ACS_16_20 | Margin of error of the percentage of the ACS population who are ages 1 year and over at time of interview | Persons | ACS | |
| 225 | pct_Diff_HU_1yr_Ago_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing Diff_HU_1yr_Ago_ACS_16_20 by Pop_1yr_Over_ACS_16_20 | The percentage of the ACS population aged 1 year and over that moved from another residence in the U.S. or Puerto Rico within the last year | Persons | ACS | |
| 226 | pct_Diff_HU_1yr_Ago_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing Diff_HU_1yr_Ago_ACS_16_20 by Pop_1yr_Over_ACS_16_20 | Margin of Error of the percentage of the ACS population aged 1 year and over that moved from another residence in the U.S. or Puerto Rico within the last year | Persons | ACS | |
| 227 | pct_ENG_VW_SPAN_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing ENG_VW_SPAN_ACS_16_20 by Tot_Occp_Units_ACS_16_20 | The percentage of all ACS occupied housing units where a Spanish or Spanish Creole language was assigned as the household language and no one ages 14 years and over speaks English only or speaks English "very well" | Households | ACS | |
| 228 | pct_ENG_VW_SPAN_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing ENG_VW_SPAN_ACS_16_20 by Tot_Occp_Units_ACS_16_20 | Margin of error of the percentage of all ACS occupied housing units where a Spanish or Spanish Creole language was assigned as the household language and no one ages 14 years and over speaks English only or speaks English "very well" | Households | ACS | |

| VARNUM | NAME | Unit of Measure | LABEL | Definitions | Unit Level | Source | Denominator Note |
|--------|----------------------------------|------------------------|--|--|------------|--------|------------------|
| 229 | pct_ENG_VW_INDOEURO_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing ENG_VW_INDO_EURO_ACS_16_20 by Tot_Occp_Units_ACS_16_20 | The percentage of all ACS occupied housing units where an Indo-European language was assigned as the household language and no one ages 14 years and over speaks English only or speaks English "very well" | Households | ACS | |
| 230 | pct_ENG_VW_INDOEURO_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing ENG_VW_INDO_EURO_ACS_16_20 by Tot_Occp_Units_ACS_16_20 | Margin of error of the percentage of all ACS occupied housing units where an Indo-European language was assigned as the household language and no one ages 14 years and over speaks English only or speaks English "very well" | Households | ACS | |
| 231 | pct_ENG_VW_API_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing ENG_VW_API_ACS_16_20 by Tot_Occp_Units_ACS_16_20 | The percentage of all ACS occupied housing units where an Asian and Pacific Island language was assigned as the household language and no one ages 14 years and over speaks English only or speaks English "very well" | Households | ACS | |
| 232 | pct_ENG_VW_API_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing ENG_VW_API_ACS_16_20 by Tot_Occp_Units_ACS_16_20 | Margin of error of the percentage of all ACS occupied housing units where an Asian and Pacific Island language was assigned as the household language and no one ages 14 years and over speaks English only or speaks English "very well" | Households | ACS | |
| 233 | pct_ENG_VW_OTHER_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing ENG_VW_OTHER_ACS_16_20 by Tot_Occp_Units_ACS_16_20 | The percentage of all ACS occupied housing units where a language other than English, Spanish, Indo-Euro, or API was assigned as the household language and no one ages 14 years and over speaks English only or speaks English "very well" | Households | ACS | |
| 234 | pct_ENG_VW_OTHER_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing ENG_VW_OTHER_ACS_16_20 by Tot_Occp_Units_ACS_16_20 | Margin of error of the percentage of all ACS occupied housing units where a language other than English, Spanish, Indo-Euro, or API was assigned as the household language and no one ages 14 years and over speaks English only or speaks English "very well" | Households | ACS | |

| VARNUM | NAME | Unit of Measure | LABEL | Definitions | Unit Level | Source | Denominator Note |
|--------|----------------------------------|------------------------|--|---|------------|--------|------------------|
| 235 | pct_ENG_VW_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing ENG_VW_ACS_16_20 by Tot_Occp_Units_ACS_16_20 | The percentage of all ACS occupied housing units where no one ages 14 years and over speaks English only or speaks English "very well" | Households | ACS | |
| 236 | pct_ENG_VW_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing ENG_VW_ACS_16_20 by Tot_Occp_Units_ACS_16_20 | Margin of error of the percentage of all ACS occupied housing units where no one ages 14 years and over speaks English only or speaks English "very well" | Households | ACS | |
| 237 | pct_Rel_Family_HHD_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing Rel_Family_HHD_ACS_16_20 by Tot_Occp_Units_ACS_16_20 | The percentage of all ACS occupied housing units where at least 2 members are related by birth, marriage, or adoption; unmarried same-sex couple households with no relatives of the householder present are not included | Households | ACS | |
| 238 | pct_Rel_Family_HHD_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing Rel_Family_HHD_ACS_16_20 by Tot_Occp_Units_ACS_16_20 | Margin of error of the percentage of all ACS occupied housing units where at least 2 members are related by birth, marriage, or adoption | Households | ACS | |
| 239 | pct_MrdCple_HHD_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing MrdCple_Fmly_HHD_ACS_16_20 by Tot_Occp_Units_ACS_16_20 | The percentage of all ACS occupied housing units where the householder and his or her spouse are listed as members of the same household; does include same- sex married couples | Households | ACS | |
| 240 | pct_MrdCple_HHD_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing MrdCple_Fmly_HHD_ACS_16_20 by Tot_Occp_Units_ACS_16_20 | Margin of error of the percentage of all ACS occupied housing units where the householder and his or her spouse are listed as members of the same household | Households | ACS | |
| 241 | pct_Not_MrdCple_HHD_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing Not_MrdCple_HHD_ACS_16_20 by Tot_Occp_Units_ACS_16_20 | The percentage of all ACS occupied housing units with no spousal relationship present | Households | ACS | |
| 242 | pct_Not_MrdCple_HHD_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing Not_MrdCple_HHD_ACS_16_20 by Tot_Occp_Units_ACS_16_20 | Margin of error of the percentage of all ACS occupied housing units with no spousal relationship present | Households | ACS | |
| 243 | pct_Female_No_SP_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing Female_No_SP_ACS_16_20 by Tot_Occp_Units_ACS_16_20 | The percentage of all ACS occupied housing units with a female householder and no spouse of householder present | Households | ACS | |

| VARNUM | NAME | Unit of Measure | LABEL | Definitions | Unit Level | Source | Denominator Note |
|--------|----------------------------------|------------------------|---|---|------------|--------|------------------|
| 244 | pct_Female_No_SP_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing Female_No_SP_ACS_16_20 by Tot_Occp_Units_ACS_16_20 | Margin of error of the percentage of all ACS occupied housing units with a female householder and no spouse of householder present | Households | ACS | |
| 245 | pct_NonFamily_HHD_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing NonFamily_HHD_ACS_16_20 by Tot_Occp_Units_ACS_16_20 | The percentage of all ACS occupied housing units where a householder lives alone or with nonrelatives only; includes unmarried same-sex couples where no relatives of the householder are present | Households | ACS | |
| 246 | pct_NonFamily_HHD_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing NonFamily_HHD_ACS_16_20 by Tot_Occp_Units_ACS_16_20 | Margin of error of the percentage of all ACS occupied housing units where a householder lives alone or with nonrelatives only | Households | ACS | |
| 247 | pct_Sngl_Prns_HHD_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing Sngl_Prns_HHD_ACS_16_20 by Tot_Occp_Units_ACS_16_20 | The percentage of all ACS occupied housing units where a householder lives alone | Households | ACS | |
| 248 | pct_Sngl_Prns_HHD_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing Sngl_Prns_HHD_ACS_16_20 by Tot_Occp_Units_ACS_16_20 | Margin of error of the percentage of all ACS occupied housing units where a householder lives alone | Households | ACS | |
| 249 | pct_HHD_PPL_Und_18_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing HHD_PPL_Und_18_ACS_16_20 by Tot_Occp_Units_ACS_16_20 | The percentage of all ACS occupied housing units where one or more people are ages 18 years or under | Households | ACS | |
| 250 | pct_HHD_PPL_Und_18_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing HHD_PPL_Und_18_ACS_16_20 by Tot_Occp_Units_ACS_16_20 | Margin of error of the percentage of all ACS occupied housing units where one or more people are ages 18 years or under | Households | ACS | |
| 251 | avg_Tot_Prns_in_HHD_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing Tot_Prns_in_HHD_ACS_16_20 by Tot_Occp_Units_ACS_16_20 | The average number of persons per ACS occupied housing unit. This was calculated by dividing the total household population in the ACS by the total number of occupied housing units in the ACS. | Households | ACS | |
| 252 | avg_Tot_Prns_in_HHD_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing Tot_Prns_in_HHD_ACS_16_20 by Tot_Occp_Units_ACS_16_20 | Margin of error of the average number of persons per ACS occupied housing unit | Households | ACS | |

| VARNUM | NAME | Unit of Measure | LABEL | Definitions | Unit Level | Source | Denominator Note |
|--------|-------------------------------|------------------------|---|--|---------------|-------------|------------------|
| 253 | pct_Rel_Under_6_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing Rel_Child_Under_6_ACS_16_20 by Rel_Family_HHD_ACS_16_20 | The percentage of 2020 ACS family-occupied housing units with a related child under 6 years old; same-sex couple households with no relatives of the householder present are not included in the denominator | Families | ACS | |
| 254 | pct_Rel_Under_6_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing Rel_Child_Under_6_ACS_16_20 by Rel_Family_HHD_ACS_16_20 | Margin of error of the percentage of 2020 ACS family- occupied housing units with a related child under 6 years old | Families | ACS | |
| 255 | pct_HHD_Moved_in_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing HHD_Moved_in_ACS_16_20 by Tot_Occp_Units_ACS_16_20 | The percentage of all ACS occupied housing units where the householder moved into the current unit in the year 2020 or later | Households | ACS | |
| 256 | pct_HHD_Moved_in_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing HHD_Moved_in_ACS_16_20 by Tot_Occp_Units_ACS_16_20 | Margin of error of the percentage of all ACS occupied housing units where the householder moved into the current unit in the year 2020 or later | Households | ACS | |
| 257 | pct_PUB_ASST_INC_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing PUB_ASST_INC_ACS_16_20 by Tot_Occp_Units_ACS_16_20 | The percentage of all ACS occupied housing units that receive public assistance income (general assistance and Temporary Assistance to Needy Families) | Households | ACS | |
| 258 | pct_PUB_ASST_INC_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing PUB_ASST_INC_ACS_16_20 by Tot_Occp_Units_ACS_16_20 | Margin of error of percentage of all ACS occupied housing units that receive public assistance income | Households | ACS | |
| 259 | avg_Agg_HH_INC_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing Aggregate_HH_INC_ACS_16_20 by Tot_Occp_Units_ACS_16_20 | The average aggregated household income of all ACS occupied housing units. | Households | ACS | |
| 260 | avg_Agg_HH_INC_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing Aggregate_HH_INC_ACS_16_20 by Tot_Occp_Units_ACS_16_20 | Margin of error for the average aggregated household income of all ACS occupied housing units. | Households | ACS | |
| 261 | pct_Tot_Occp_Units_CEN_2020 | Calculated Percentages | Percentage calculated by dividing Tot_Occp_Units_CEN_2020 by Tot_Housing_Units_CEN_2020 | The percentage of all 2020 Census housing units that are classified as the usual place of residence of the individual or group living in it | Housing Units | 2020 Census | |
| 262 | pct_Tot_Occp_Units_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing Tot_Occp_Units_ACS_16_20 by Tot_Housing_Units_ACS_16_20 | The percentage of all ACS housing units that are classified as the usual place of residence of the individual or group living in it | Housing Units | ACS | |

| VARNUM | NAME | Unit of Measure | LABEL | Definitions | Unit Level | Source | Denominator Note |
|--------|---------------------------------|------------------------|---|---|---------------|-------------|------------------|
| 263 | pct_Tot_Occp_Units_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing Tot_Occp_Units_ACS_16_20 by Tot_Housing_Units_ACS_16_20 | Margin of error for the percentage of all ACS housing units that are classified as the usual place of residence of the individual or group living in it | Housing Units | ACS | |
| 264 | pct_Vacant_Units_CEN_2020 | Calculated Percentages | Percentage calculated by dividing Tot_Vacant_Units_CEN_2020 by Tot_Housing_Units_CEN_2020 | The percentage of all 2020 Census housing units that have no regular occupants on Census Day; housing units with its usual occupants temporarily away (such as on vacation, a business trip, or in the hospital) are not considered vacant, but housing units temporarily occupied on Census Day by people who have a usual residence elsewhere are considered vacant | Housing Units | 2020 Census | |
| 265 | pct_Vacant_Units_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing Tot_Vacant_Units_ACS_16_20 by Tot_Housing_Units_ACS_16_20 | The percentage of all ACS housing units where no one is living regularly at the time of interview; units occupied at the time of interview entirely by persons who are staying two months or less and who have a more permanent residence elsewhere are classified as vacant | Housing Units | ACS | |
| 266 | pct_Vacant_Units_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing Tot_Vacant_Units_ACS_16_20 by Tot_Housing_Units_ACS_16_20 | Margin of error for the percentage of all ACS housing units where no one is living regularly at the time of interview | Housing Units | ACS | |
| 267 | pct_Renter_Occp_HU_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing Renter_Occp_HU_ACS_16_20 by Tot_Occp_Units_ACS_16_20 | The percentage of ACS occupied housing units that are not owner occupied, whether they are rented or occupied without payment of rent | Housing Units | ACS | |
| 268 | pct_Renter_Occp_HU_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing Renter_Occp_HU_ACS_16_20 by Tot_Occp_Units_ACS_16_20 | Margin of error for the percentage of ACS occupied housing units that are not owner occupied | Housing Units | ACS | |
| 269 | pct_Owner_Occp_HU_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing Owner_Occp_HU_ACS_16_20 by Tot_Occp_Units_ACS_16_20 | The percentage of ACS occupied housing units with an owner or co-owner living in it | Housing Units | ACS | |
| 270 | pct_Owner_Occp_HU_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing Owner_Occp_HU_ACS_16_20 by Tot_Occp_Units_ACS_16_20 | Margin of error for the ACS occupied housing units with an owner or co-owner living in it | Housing Units | ACS | |

| VARNUM | NAME | Unit of Measure | LABEL | Definitions | Unit Level | Source | Denominator Note |
|--------|--------------------------------|------------------------|---|---|---------------|--------|------------------|
| 271 | pct_Single_Unit_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing Single_Unit_ACS_16_20 by Tot_Housing_Units_ACS_16_20 | The percentage of all ACS housing units that are in a structure that contains only that single unit | Housing Units | ACS | |
| 272 | pct_Single_Unit_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing Single_Unit_ACS_16_20 by Tot_Housing_Units_ACS_16_20 | Margin of error for the percentage of all ACS housing units that are in a structure that contains only that single unit | Housing Units | ACS | |
| 273 | pct_MLT_U2_9_STRC_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing MLT_U2_9_STRC_ACS_16_20 by Tot_Housing_Units_ACS_16_20 | The percentage of all ACS housing units that are in a structure that contains two to nine housing units | Housing Units | ACS | |
| 274 | pct_MLT_U2_9_STRC_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing MLT_U2_9_STRC_ACS_16_20 by Tot_Housing_Units_ACS_16_20 | Margin of error for the percentage of all ACS housing units that are in a structure that contains two to nine housing units | Housing Units | ACS | |
| 275 | pct_MLT_U10p_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing MLT_U10p_ACS_16_20 by Tot_Housing_Units_ACS_16_20 | The percentage of all ACS housing units that are in a structure that contains 10 or more housing units | Housing Units | ACS | |
| 276 | pct_MLT_U10p_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing MLT_U10p_ACS_16_20 by Tot_Housing_Units_ACS_16_20 | Margin of error for the percentage of all ACS housing units that are in a structure that contains 10 or more housing units | Housing Units | ACS | |
| 277 | pct_Mobile_Homes_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing Mobile_Homes_ACS_16_20 by Tot_Housing_Units_ACS_16_20 | The percentage of all ACS housing units that are considered mobile homes | Housing Units | ACS | |
| 278 | pct_Mobile_Homes_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing Mobile_Homes_ACS_16_20 by Tot_Housing_Units_ACS_16_20 | Margin of error for the percentage of all ACS housing units that are considered mobile homes | Housing Units | ACS | |
| 279 | pct_Crowd_Occp_U_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing Crowd_Occp_U_ACS_16_20 by Tot_Occp_Units_ACS_16_20 | The percentage of ACS occupied housing units that have more than 1.01 persons per room | Housing Units | ACS | |
| 280 | pct_Crowd_Occp_U_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing Crowd_Occp_U_ACS_16_20 by Tot_Occp_Units_ACS_16_20 | Margin of error for the percentage of ACS occupied housing units that have more than 1.01 persons per room | Housing Units | ACS | |
| 281 | pct_NO_PH_SRVC_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing Occp_U_NO_PH_SRVC_ACS_16_20 by Tot_Occp_Units_ACS_16_20 | The percentage of ACS occupied housing units that do not have a working telephone and available service | Housing Units | ACS | |
| 282 | pct_NO_PH_SRVC_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing Occp_U_NO_PH_SRVC_ACS_16_20 by Tot_Occp_Units_ACS_16_20 | Margin of error for the percentage of ACS occupied housing units that do not have a working telephone and available service | Housing Units | ACS | |

| VARNUM | NAME | Unit of Measure | LABEL | Definitions | Unit Level | Source | Denominator Note |
|--------|----------------------------------|------------------------|--|---|---------------|--------|------------------|
| 283 | pct_No_Plumb_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing No_Plumb_ACS_16_20 by Tot Housing Units ACS 16 20 | The percentage of all ACS housing units that do not have complete plumbing facilities | Housing Units | ACS | |
| 284 | pct_No_Plumb_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing No_Plumb_ACS_16_20 by Tot Housing Units ACS 16 20 | Margin of error for the percentage of all ACS housing units that do not have complete plumbing facilities | Housing Units | ACS | |
| 285 | pct_Recent_Built_HU_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing Recent_Built_HU_ACS_16_20 by Tot Housing Units ACS 16 20 | The percentage of all ACS housing units that are in a building that was constructed in 2020 or later | Housing Units | ACS | |
| 286 | pct_Recent_Built_HU_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing Recent_Built_HU_ACS_16_20 by Tot Housing Units ACS 16 20 | Margin of error for all ACS housing units that are in a building that was constructed in 2020 or later | Housing Units | ACS | |
| 287 | avg_Agg_House_Value_ACS_16_20 | Calculated Percentages | Percentage calculated by dividing Aggr_House_Value_ACS_16_20 by Tot Occp Units ACS 16 20 | Average aggregated value in dollars for ACS occupied housing units. | Housing Units | ACS | |
| 288 | avg_Agg_House_Value_ACSMOE_16_20 | Calculated Percentages | MOE - Percentage calculated by dividing Aggr_House_Value_ACS_16_20 by Tot Occp Units ACS 16 20 | Margin of error for average aggregated value in dollars for ACS occupied housing units. | Housing Units | ACS | |

Appendix A. Margin of Error Calculations and Nonsampling Error

The 2022 PDB provides ACS small area estimates that are easily accessible by a wide range of users. It is important to note that these small area estimates are *estimates*, with accompanying sampling error. The Margin of Error (MOE) for any estimate needs to be considered when using any single estimate, as it provides the best indicator of the variability across units within the estimate. There are various accepted formulas for calculating MOEs. An advisory group in the development of the Tract PDB decided to use the formula noted in *Understanding and Using American Community Survey Data: What All Data Users Need to Know*

(https://www.census.gov/content/dam/Census/library/publications/2020/acs/acs_general_handbook_2020.pdf) for calculating MOEs from grouped summary data.

A review of the coefficients of variation (which measure the standard deviation of an estimate relative to the mean) reveals those estimates with a large CV, which suggests a less reliable estimate. Generally, small sample sizes are more prone to large MOEs, which in turn lead to larger CVs. The small sample can be the result of a characteristic of low incidence in the population or the result of subpopulations within a population.

As a result, we caution against taking any single estimate with a large MOE as absolute. The key is that unstable estimates should not be used for decisions about individual tracts. We recognize the importance of small area data to aid in planning and operational activities. However, we make these data available for summing to higher levels of geography where the data can be useful, such as Census Designated Places, Local Census Offices, or any collection of tracts that bear on the activity at hand. We ask that the user of the block group data note the limitations of the estimates to those who may be using the data for decision purposes.

The margin of error around an estimate is important because it helps data users draw conclusions about the reliability of the data. Small differences between two estimates may not be statistically significant if the confidence intervals of those estimates overlap. However, the Census Bureau cautions data users not to rely on overlapping confidence intervals as a test for statistical significance, because this method will not always produce accurate results. Instead, the Census Bureau recommends following the detailed instructions for conducting statistical significance tests in Chapter 7 of *Understanding and Using American Community Survey Data: What All Data Users Need to Know* (https://www.census.gov/content/dam/Census/library/publications/2020/acs/acs_general_handbook_2020.pdf).

In some cases, data users will need to construct custom ACS estimates by combining data across multiple geographic areas or population subgroups, or it may be necessary to derive a new percentage, proportion, or ratio from published ACS data. In such cases, additional calculations are needed to produce confidence intervals and margins of error for the derived estimates. Chapters 7-8 of *Understanding and Using American Community Survey Data: What All Data Users Need to Know*

(https://www.census.gov/content/dam/Census/library/publications/2020/acs/acs_general_handbook_2020.pdf) provides detailed instructions on how to make these calculations. Please note that published margins of error, when available, should always be used over calculated measures of error.

Note that these error measures do not tell us about the magnitude of nonsampling errors. To learn more about nonsampling error in the 2016 – 2020 ACS, please see the section titled “Control of Nonsampling Error” in *American Community Survey Multiyear Accuracy of the Data (5-year 2016-2020)*: (https://www2.census.gov/programs-surveys/acs/tech_docs/accuracy/MultiyearACSAccuracyofData2020.pdf).

Appendix B. Calculating Response Rates

Prior versions of the PDB contained decennial variables such as the Mail Response Rate and Mail Return Rate for the 2010 Census. Normally this appendix would be used to describe the formulas for these variables. However, these variables are omitted from the 2022 PDB regarding the 2020 Census due to data availability at the time of publication. They will be reintroduced to future versions of the PDB as they become available.

Appendix C. Key Estimates of the Planning Database

Twenty variables were identified as key estimates of the 2022 PDB. Some of these variables would be used to calculate the LRS (which is not included in the 2022 PDB), while others are newer variables that may be of interest to users. To assess the quality of these estimates, the median coefficient of variation and the median item nonresponse rate were calculated. The results are presented in the following table. Of the 20 variables, 9 have a median coefficient of variation below 30.00, and all but two applicable variables have a median item missing rate below 30.00.

| Estimate Name | Definitions | Median Coefficient of Variation | Median Item Missing Rate |
|-----------------------------|--|---------------------------------|--------------------------|
| College_ACS_16_20 | Number of people ages 25 years and over at the time of interview with a college degree or higher in the ACS population | 29.42 | 5.78 |
| Prs_Blw_Pov_Lev_ACS_16_20 | Number of people classified as below the poverty level given their total family income within the last year, family size, and family composition in the ACS population | 53.48 | * |
| MrdCple_Fmly_HHD_ACS_16_20 | Number of ACS households in which the householder and his or her spouse are listed as members of the same household; does not include same-sex married couples | 24.87 | * |
| NonFamily_HHD_ACS_16_20 | Number of ACS households where a householder lives alone or with nonrelatives only; includes same-sex couples where no relatives of the householder are present | 32.32 | * |
| Sngl_Prns_HHD_ACS_16_20 | Number of ACS households where a householder lives alone | 35.98 | * |
| Rel_Child_Under_6_ACS_16_20 | Number of ACS families with related children under 6 years old | 55.72 | * |
| Med_HHD_Inc_BG_ACS_16_20 | Median ACS household income for the block group | 19.20 | 35.00 |
| Med_HHD_Inc_TR_ACS_16_20 | Median ACS household income for the tract | 11.64 | 35.23 |
| Renter_Occp_HU_ACS_16_20 | Number of 2010 Census occupied housing units that are not owner occupied, whether they are rented or occupied without payment of rent | 35.16 | 0.00 |
| Owner_Occp_HU_ACS_16_20 | Number of ACS housing units where owner or co-owner lives in it | 19.74 | 0.00 |

| | | | |
|-------------------------------|---|-------|-------|
| Single_Unit_ACS_16_20 | Number of ACS housing units in which the structure contains only that single unit | 18.29 | 0.00 |
| MLT_U2_9_STRC_ACS_16_20 | Number of ACS housing units in which the structure contains 2 or more housing units | 52.11 | 0.00 |
| MLT_U10p_ACS_16_20 | Number of ACS housing units in which the structure contains 10 or more housing units | 47.76 | 0.00 |
| Med_House_Value_BG_ACS_16_20 | Median of ACS respondents' house value estimates for the block group | 9.32 | 7.80 |
| Med_House_value_tr_ACS_16_20 | Median of ACS respondents' house value estimates for the tract | 6.32 | 9.28 |
| One_Health_Ins_ACS_16_20 | Number of people with one type of health insurance coverage in the ACS | 17.62 | 15.31 |
| Two_Plus_Health_Ins_ACS_16_20 | Number of people with two or more types of health insurance coverage in the ACS | 32.09 | 15.31 |
| No_Health_Ins_ACS_16_20 | Number of people with no health insurance coverage in the ACS | 54.10 | 15.31 |
| NH_Multi_Races_ACS_16_20 | Number of people who indicate no Hispanic origin and their race as at least two of "White", "Black or African American", "American Indian or Alaska Native", "Asian", "Native Hawaiian or Other Pacific Islander", or "Some Other Race" in the ACS population | 79.66 | 0.00 |
| Educ_Grade6orLess_ACS_16_20 | Number of people ages 25 years and over at time of interview who have a highest level of education of Grade 6 or less in the ACS population | 85.73 | 5.78 |

* No item missing rate could be calculated directly for these estimates. These items are composed of multiple questions from the ACS. We examined the item missing rate of questions that compose these estimates (age, sex, relationship, marital status), and none were above 2.00

Appendix D. Changes to Geography

Geographic numbering and definitions can change over time. Generally, major changes to geographic boundaries are made during the decennial census, but errors in boundary definitions or numbering may lead to updates in the intervening years. For the 2022 PDB, the number of block groups is 242,335, based on 2020 Census geography. This is a change from prior versions of the PDB, in which the number of block groups was approximately 220,000 based on 2010 Census geography.

Appendix E. Changes to ACS Variables

ACS variable names and definitions can change over time. The Census Bureau provides detailed tables for all ACS 5-year estimates, and several new or modified tables were provided for the 2016-2020 ACS 5-year estimates. While no names or definitions changed for any ACS variables in the 2022 PDB compared to the previous year, there are a number of new variables pertaining to two demographics. These demographics are: (i) the multi-racial population that is not Hispanic or Latino, and (ii) the population of adults age 25 or older having their highest level of education at Grade 6 or less. For each of these populations, there are four ACS variables, reflecting: (i) the number of people meeting these criteria, (ii) the margin of error of this number, (iii) the percentage of people meeting these criteria, and (iv) the margin of error of this percentage. In addition, for the multi-racial population, the 2022 PDB has two variables based on 2020 Census data, reflecting: (i) the number of people meeting these criteria, and (ii) the percentage of people meeting these criteria.

Other new or modified tables were provided by the Census Bureau for the 2016-2020 ACS, but these did not impact the 2022 PDB. For a full description of the 2016-2020 ACS 5-year estimates and the new, modified, or deleted tables, please see technical documentation located at <https://www.census.gov/programs-surveys/acs/technical-documentation/table-and-geography-changes/2020/5-year.html>.