

2021 Community Resilience Estimates Equity Supplement

FILE LAYOUT

Rev. November 2023

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FILES

The 2021 Community Resilience Estimates, Equity Supplement or “CRE for Equity” consists of 4 data files in comma separated format that provide estimates for the nation, states, counties, and tracts. CRE refers to the Community Resilience Estimates, which provides an easily understood metric for how at-risk every neighborhood in the United States is to the impacts of disasters. The equity portion refers to data from the American Community Survey, Decennial Census, and Planning Database that give social context to the CRE estimates and add to the discussion of equity.

The four data sets are subset by geographic level. Details about these four files are provided in Table 1.

Table 1. 2021 Community Resilience Estimates Equity Supplement Files	
Files	Description
CRE_for_Equity_21_National.csv	This file contains estimates for the nation overall.
CRE_for_Equity_21_State.csv	This file contains estimates for each state and the District of Columbia.
CRE_for_Equity_21_County.csv	This file contains estimates for the 3,143 county and county equivalent geographic areas in the United States.
CRE_for_Equity_21_Tract.csv	This file contains estimates for the 84,414 census tracts from the 2020 Census in the United States.

FILE LAYOUT

The CRE for Equity data files contain estimates for national, state, county, and tract geographies. The CRE data files contains geographic identifiers that include the applicable FIPS codes and the name of the geography. The datasets combine data from the 2021 Community Resilience Estimates, 2017-2021 American Community Survey 5-year estimates, the 2020 Decennial Census, and the 2021 Census Planning Database. Each unique geographic observation will have a single row of data. See Table 2 for a full list of variable names.

Please note that for tract-level estimates, there are 4 additional variables. They are “WATER_TRACT”, “Uninhabitable_F”, “BGs_in_Tract_E”, and “AIAN_AREA_F”. This is additional information that is mostly relevant to census tracts. Additional information is provided in Table 2.

The CRE groups the population estimates into three categories: zero risk factors, one-two risk factors, and three plus risk factors. The data file includes the population estimate, estimate margin of error, percentage, and percentage margin of error. A flag denoting whether an estimate is statistically different has also been provided for each of the three categories for the CRE estimates. Data from the American Community Survey have also been provided as part of this dataset. Whether the variable is an estimate, percentage, or margin of error, this is denoted in the variable names.

The numeric population estimates are denoted by an “E” at the end of the variable name. The margins of error for these estimates have a “M”. The fields for percentages and the accompanying margins of error are denoted with “PE” and “PM”. Variable names that end in “F” note that they are a flag variable. These flag variables denote if an estimate is statistically different from the national average in most instances. There are a few flag variables that denote information about an area that is not statistically tested. This is explained in Table 2.

Details about each variable can be found in Table 2.

Information about the flag variables can be found in Table 3.

Table 2. CRE for Equity Variable Description

Variable	Description
GEO_ID	A geographic identifier which contains information on the type of geography and applicable FIPS codes
NAME	Geographic Area Name
WATER_TRACT	Flag that denotes tracts composed completely of water. Identifies all water tracts where no populations reside ("WATER_TRACT"=1). Modeled estimates are still outputted for these tracts, but users have the option to use this variable to remove these tracts for analyses if desired.*
POPUNI	Total population
PRED0_E	Estimated number of individuals with zero risk factors
PRED0_M	Estimated margin of error for individuals with zero risk factors
PRED0_PE	Percentage of individuals with zero risk factors
PRED0_PM	Percentage margin of error for individuals with zero risk factors
PRED0_PF	Flag denoting if the estimated percentage of individuals with zero risk factors is significantly different than the national rate
PRED12_E	Estimated number of individuals with one-two risk factors
PRED12_M	Estimated margin of error for individuals with one-two risk factors
PRED12_PE	Percentage of individuals with one-two risk factors
PRED12_PM	Percentage margin of error for individuals with one-two risk factors
PRED12_PF	Flag denoting if the estimated percentage of individuals with one or two risk factors is significantly different than the national rate.
PRED3_E	Estimated number of individuals with three plus risk factors
PRED3_M	Estimated margin of error for individuals with three plus risk factors
PRED3_PE	Percentage of individuals with three plus risk factors
PRED3_PM	Percentage margin of error for individuals with three plus risk factors
PRED3_PF	Flag denoting if the estimated percentage of individuals with three plus risk factors is significantly different than the national rate.
Total_Population_E	Total Population
Total_Population_M	Margin of error for total population
Housing_Units_E	Estimated number of housing units.
Housing_Units_M	Margin of error for the estimated number of housing units.
Hispanic_PE	Hispanic or Latino population (%)
Hispanic_PM	Margin of Error for Hispanic or Latino population (%)
Hispanic_PF	Flag denoting if the estimated percentage of the population that is "Hispanic or Latino" is different than the national percentage.
NH_White_alone_PE	Not Hispanic or Latino, White alone population (%)
NH_White_alone_PM	Margin of Error for Not Hispanic or Latino, White alone population (%)
NH_White_alone_PF	Flag denoting if the estimated percentage of the population that is "Not Hispanic or Latino, White alone" is different than the national percentage.
NH_Black_alone_PE	Not Hispanic or Latino, Black alone population (%)
NH_Black_alone_PM	Margin of Error for Not Hispanic or Latino, Black alone population (%)

Table 2. CRE for Equity Variable Description (Continued)

Variable	Description
NH_Black_alone_PF	Flag denoting if the estimated percentage of population that is "Not Hispanic or Latino, Black alone" is different than national percentage
NH_AIAN_alone_PE	Not Hispanic or Latino, American Indian and Alaska Native alone population (%)
NH_AIAN_alone_PM	Margin of Error for Not Hispanic or Latino, American Indian and Alaska Native alone population (%)
NH_AIAN_alone_PF	Flag denoting if the estimated percentage of the population that is "Not Hispanic or Latino, American Indian and Alaska Native alone" is different than the national percentage
NH_Asian_alone_PE	Not Hispanic or Latino, Asian alone population (%)
NH_Asian_alone_PM	Margin of Error for Not Hispanic or Latino, Asian alone population (%)
NH_Asian_alone_PF	Flag denoting if the estimated percentage of the population that is "Not Hispanic or Latino, Asian alone" is different than the national percentage
NH_NHPI_alone_PE	Not Hispanic or Latino, Native Hawaiian and Other Pacific Islander alone (%)
NH_NHPI_alone_PM	Margin of Error for Not Hispanic or Latino, Native Hawaiian and Other Pacific Islander alone (%)
NH_NHPI_alone_PF	Flag denoting if the estimated percentage of the population that is "Not Hispanic or Latino, Native Hawaiian and Other Pacific Islander alone (%)" is different than the national percentage
NH_SOR_alone_PE	Not Hispanic or Latino, Some other race alone (%)
NH_SOR_alone_PM	Margin of Error for Not Hispanic or Latino, Some other race alone (%)
NH_SOR_alone_PF	Flag denoting if the estimated percentage of the population that is "Not Hispanic or Latino, Some other race alone (%)" is different than the national percentage
NH_Two_or_More_PE	Not Hispanic or Latino, Two or More races (%)
NH_Two_or_More_PM	Margin of Error for Not Hispanic or Latino, Two or More races (%)
NH_Two_or_More_PF	Flag denoting if the estimated percentage of the population that is "Not Hispanic or Latino, Two or More races (%)" is different than the national percentage
Male_PE	Percentage of the population that is male

Table 2. CRE for Equity Variable Description (Continued)

Variable	Description
Male_PM	Margin of error for percentage of the population that is male
Male_PF	Flag denoting if the estimated percentage of the population that is male is significantly different than the national estimate
Female_PE	Percentage of the population that is female
Female_PM	Margin of error for percentage of the population that is female
Female_PF	Flag denoting if the estimated percentage of the population that is female is significantly different than the national estimate
civ_vet_PE	Percentage of the population 18 years and over that are civilian veterans
civ_vet_PM	Margin of error for percentage of the population 18 years and over that are civilian veterans
civ_vet_PF	Flag denoting if the estimated percentage of the population 18 years and over that are civilian veterans is significantly different than the national estimate
GINI_IND_Inequality_E	Gini Index of Income Inequality
GINI_IND_Inequality_M	Margin of error for Gini Index of Income Inequality
GINI_IND_Inequality_F	Flag denoting if the estimated Gini Index of Income Inequality is significantly different than the national estimate
Rural_Pop_PE	Percentage of the population living in a rural area during 2020 Census.
Rural_Pop_PF	Flag denoting if the percentage of the population that lives in a rural area in three different groups. The following values are provided: 1: Less than 50% of the population lives in an area that is considered rural 2: More than 50% of the population but less than 100% lives in an area that is considered rural 3: 100% of the population lives in an area that is considered rural
Median_age_E	Median age of the population
Median_age_M	Margin of error for the median age of the population
Median_age_F	Flag denoting if the median age of the population is significantly different than the national estimate
65_plus_PE	Percentage of the population 65 years and over
65_plus_PM	Margin of error for the percentage of the population 65 years and over
65_plus_PF	Flag denoting if the estimated percentage of the population 65 years and over is significantly different than the national estimate
Disabled_PE	Percentage of civilian noninstitutionalized population with a disability
Disabled_PM	Margin of error for percentage of civilian noninstitutionalized population with a disability

Table 2. CRE for Equity Variable Description (Continued)

Variable	Description
Disabled_PF	Flag denoting if the estimated percentage of civilian noninstitutionalized population with a disability is significantly different than the national estimate
Blw_Pov_Lvl_PE	Percentage of the population whose income in the past 12 months is below the poverty level
Blw_Pov_Lvl_PM	Margin of error for percentage of the population whose income in the past 12 months is below the poverty level
Blw_Pov_Lvl_PF	Flag denoting if the population whose income in the past 12 months is below the poverty level is significantly different than the national estimate
Female_no_partner_w_child_PE	Percentage of households with a female householder, no spouse/partner present, with own children of household under 18 years
Female_no_partner_w_child_PM	Margin of error for percentage of households with a female householder, no spouse/partner present, with own children of household under 18 years
Female_no_partner_w_child_PF	Flag denoting if the estimated percentage of households with a female householder, no spouse/partner present, with own children of household under 18 years is significantly different than the national estimate
Male_no_partner_w_child_PE	Percentage of households with a male householder, no spouse/partner present, with own children of household under 18 years
Male_no_partner_w_child_PM	Margin of error for percentage of households with a male householder, no spouse/partner present, with own children of household under 18 years
Male_no_partner_w_child_PF	Flag denoting if the estimated percentage of households with a male householder, no spouse/partner present, with own children of household under 18 years is significantly different than the national estimate.
crowd_occ_PE	Percentage of occupied housing units with 1.51 occupants or more per room
crowd_occ_PM	Margin of error for percentage of occupied housing units with 1.51 occupants or more per room
crowd_occ_PF	Flag denoting if the estimated percentage of occupied housing units with 1.51 occupants or more per room is significantly different than the national estimate
HS_Grad_PE	Percentage of population 25 and over that are a high school graduate or higher
HS_Grad_PM	Margin of error for percentage of population 25 and over that are a high school graduate or higher

Table 2. CRE for Equity Variable Description (Continued)

Variable	Description
HS_Grad_PF	Flag denoting if the estimated percentage of population 25 and over that are a high school graduate or higher is significantly different than the national estimate
ENG_LVW_PE <i>(See note on page 10 for information about this variable.)</i>	Percentage of the population 5 years and over that speaks a language other than English and speak English less than "very well"
ENG_LVW_PM <i>(See note on page 10 for information about this variable.)</i>	Margin of error for percentage of the population 5 years and over that speaks a language other than English and speak English less than "very well"
ENG_LVW_PF <i>(See note on page 10 for information about this variable.)</i>	Flag denoting if the estimated percentage of the population 5 years and over that speaks a language other than English and speak English less than "very well" is significantly different than the national estimate
WRK_FT_YR_PE	Percentage of the population 16 to 64 years who worked full-time, year-round. Full-time year-round workers are defined as all people 16 years old and over who usually worked 35 hours or more per week for 50 to 52 weeks in the past 12 months
WRK_FT_YR_PM	Margin of error for the percentage of the population 16 to 64 years who worked full-time, year-round
WRK_FT_YR_PF	Flag denoting if the estimated percentage of the population 16 to 64 years who worked full-time, year-round is significantly different than the national estimate
No_Health_Ins_PE	Percentage of civilian noninstitutionalized population with no health insurance coverage
No_Health_Ins_PM	Margin of error for percentage of civilian noninstitutionalized population with no health insurance coverage
No_Health_Ins_PF	Flag denoting if the estimated percentage of civilian noninstitutionalized population with no health insurance coverage is significantly different than the national estimate
Broadband_PE	Percentage of households with a broadband internet subscription
Broadband_PM	Margin of error for percentage of households with a broadband internet subscription
Broadband_PF	Flag denoting if the estimated percentage of households with a broadband internet subscription is significantly different than the national estimate
No_Veh_PE	Percentage of occupied housing units with no vehicles available
No_Veh_PM	Margin of error for percentage of occupied housing units with no vehicles available

Table 2. CRE for Equity Variable Description (Continued)	
Variable	Description
No_Veh_PF	Flag denoting if the estimated percentage of occupied housing units with no vehicles available is significantly different than the national estimate
HO_Vac_PE	Homeowner vacancy rate
HO_Vac_PM	Margin of error for the homeowner vacancy rate
HO_Vac_PF	Flag denoting if the estimated homeowner vacancy rate is significantly different than the national estimate
Rent_Vac_PE	Rental vacancy rate
Rent_Vac_PM	Margin of error for the rental vacancy rate
Rent_Vac_PF	Flag denoting if the estimated rental vacancy rate is significantly different than the national estimate
Uninhabitable_F	Flag that denotes tracts that are uninhabitable. Identifies all uninhabitable tracts where no populations reside ("Uninhabitable_F"=1). Modeled estimates are still output for these tracts, but users have the option to use this variable to remove these tracts for analyses if desired.*
BGs_in_Tract_E	Number of block groups in the tract
AIAN_AREA_F	Denotes if there are block groups in the tract that are located on any part of an American Indian, Alaska Native, or Native Hawaiian area. The following values are provided on the tract data set: 0: None of the block groups in the tract are part of an AIAN area 1: Some, but not all of the block groups in the tract are part of an AIAN area 2: All of the block groups in the tract are part of an AIAN area.

Note: Margins of error and flag variables are calculated at the 90 percent confidence level. Descriptions with asterisks denote that the field is only provided on applicable files.

Table 3. Flag Variable Values	
Value	Description
1	Estimate is higher than the national estimate and is statistically different
0	Estimate is not statistically different than the national estimate
-1	Estimate is lower than the national estimate and is statistically different
-999	Cannot calculate difference because estimate or margin of error is suppressed

Note: There are flag variables that do not follow these criteria. In these instances, the variable designations are provided in Table 2.

As mentioned in Table 3, some estimates are not available from the American Community Survey because some estimates are suppressed or controlled. When this occurs, the variable field is filled with an “Annotation value” which denotes why an estimate is not available. Information and definitions for “Annotation value” can be found in Table 4. Additional information can be found on the Census Bureau’s [website](#). For more information on sampling and estimation methods, confidentiality protection, and sampling and nonsampling errors in the ACS, visit <https://www.census.gov/programs-surveys/acs/technical-documentation/code-lists.html>

Table 4. CRE+ Equity Annotation Value Meanings	
Variable	Description
-999999999	The estimate and margin of error columns indicates that data for this geographic area cannot be displayed because the number of sample cases is too small.
-888888888	The estimate is not applicable or not available.
-666666666	The estimate column indicates that either no sample observations or too few sample observations were available to compute an estimate, or a ratio of medians cannot be calculated because one or both of the median estimates falls in the lowest interval or upper interval of an open-ended distribution.
-555555555	The margin of error column indicates that the estimate is controlled. A statistical test for sampling variability is not appropriate.
-333333333	The margin of error column indicates that the median falls in the lowest interval or upper interval of an open-ended distribution. A statistical test is not appropriate.
-222222222	The margin of error column indicates that either no sample observations or too few sample observations were available to compute a standard error and thus the margin of error. A statistical test is not appropriate.

ADDITIONAL INFORMATION

Community Resilience Estimates Website

<census.gov/programs-surveys/community-resilience-estimates.html>

Community Resilience Estimates Technical Documentation

<census.gov/programs-surveys/community-resilience-estimates/technical-documentation.html>

American Community Survey Website

<census.gov/programs-surveys/acs/>

For Data Questions

<census.askdata@census.gov>

Note: In November 2023, a sourcing discrepancy was discovered involving variables starting with, "ENG_LVW." These variables reference "The population 5 years and over that speaks a language other than English and speak English less than "very well"". Instead of displaying this concept, the data was provided for "The population 5 years and over that speaks a language other than English". This has been updated and the data now reflects the appropriate concept.