

ACS Data in the Microdata Access Tool (MDAT)

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Outline

- Microdata Overview
- MDAT Demo
- Resources for Learning More

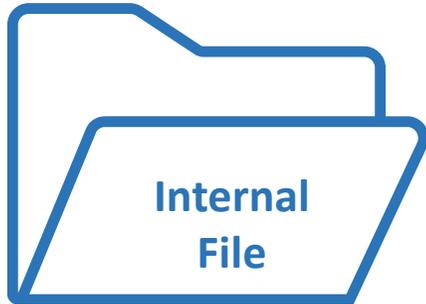
The screenshots illustrate the process of selecting a dataset and creating a custom table. The top screenshot shows the 'Select a Dataset & Vintage' page with the 'Dataset' tab selected. The middle screenshot shows the 'Variables' page with a list of variables including AGE, DRIVE, FPARC, GRPIP, JWP, JWD, JWMNP, JWRIP, MV, NATIVITY, and NOP. The bottom screenshot shows a 'Custom Table' with columns for 'Recode for Age' and 'Sex (SEX)', and rows for age groups 1-11. The table data is as follows:

Recode for Age	Sex (SEX)		
	Total Sex (SEX)	Male	Female
Total	333,287,562	165,197,461	168,090,101
1	3,516,218	1,820,852	1,695,366
2	3,665,443	1,859,847	1,805,596
3	3,786,115	1,945,313	1,840,802
4	3,881,611	1,990,670	1,890,941
5	3,778,175	1,908,900	1,869,275
6	3,922,413	2,029,235	1,893,178
7	4,028,524	2,065,333	1,963,191
8	4,024,996	2,066,134	1,958,862
9	4,018,575	2,043,623	1,974,952
10	4,089,601	2,088,294	2,001,307
11	4,089,802	2,074,209	2,015,593

Outline

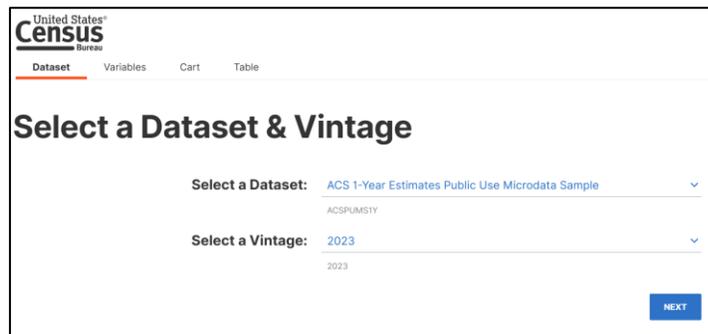
- **Microdata Overview**
- MDAT Demo
- Resources for Learning More

Data.census.gov vs Microdata Access Tool (MDAT)



data.census.gov

- Provides pre-tabulated tables
- More geographic detail, less topic detail
- More precise data



Microdata Access Tool (MDAT)

- Provides access to create custom tables
- More topic detail, less geographic detail

Surveys in the Microdata Access Tool (MDAT)

American Community Survey (ACS)

Dataset	Vintage
ACS 1-Year Estimates - Public Use Microdata Sample	2004-2019, 2021-2023
ACS 1-Year Estimates - Puerto Rico Public Use Microdata Sample	2005-2019, 2021-2023
ACS 5-Year Estimates - Public Use Microdata Sample	2009-2023
ACS 5-Year Estimates - Puerto Rico Public Use Microdata Sample	2009-2023

Survey of Income and Program Participation (SIPP)

Dataset	Vintage
SIPP Panel Core	1992, 1993, 1996, 2001, 2004, 2008
SIPP Panel Topical Modules	1992, 1993, 1996, 2001, 2004, 2008
SIPP Panel Research Topical Modules	1992, 1993, 2001
SIPP Panel Education Topical Modules	1992, 1993
SIPP Panel Education Extract Topical Modules	1992, 1993
SIPP Panel Extract Topical Modules	1992, 1993

ask.census.gov/prweb/PRServletCustom?pyActivity=pyMobileSnapStart&ArticleID=KCP-5909

Current Population Survey (CPS)

Dataset	Vintage
CPS Annual Social and Economic (March) Supplement	1992-2024
CPS Basic Monthly	2024: January-February; 1989-2023: January-December
CPS Arts Benchmarking Survey Supplement	2013-2016, 2018, 2020: February
CPS Civic Engagement Supplement	2008-2011, 2013: November
CPS Computer and Internet Use Supplement	2011, 2013, 2015: July; 2000: August; 2001: September; 1997, 2003, 2007, 2009, 2010, 2012: October; 1994, 2017, 2019, 2021, 2023: November; 1998: December
CPS Contingent Worker Supplement	1995, 1997, 1999, 2001, 2005: February; 2017: May
CPS Disability Supplement	2012: May; 2019, 2021: July
CPS Displaced Worker, Employee Tenure, and Occupational Mobility Supplement	2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2020, 2022, 2024: January; 1996, 1998, 2000: February
CPS Fertility Supplement	1998, 2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2020: June
CPS Fertility and Marital History Supplement	1995: June
CPS Food Security Supplement	2001-2023: December; 1995, 1997, 1999, 2001: April; 1998: August 2000: September
CPS Immigration/Emigration Supplement	2008: August
CPS Library Use Supplement	2002: October
CPS Public Participation in the Arts Supplement	2012, 2017, 2022: July; 2002: August
CPS School Enrollment Supplement	1994-2023: October
CPS Tobacco Use Supplement	2007, 2011, 2015, 2019: January; 2006, 2010, 2015: May; 2014, 2018: July; 2006, 2010: August
CPS Unbanked/Underbanked Supplement	2009: January; 2011, 2013, 2015, 2017, 2019, 2021, 2023: June
CPS Unemployment Insurance Nonfiler Supplement	2022: May
CPS Veterans Supplement	2010: July; 1995, 2001, 2003, 2005, 2007, 2009, 2011-2023: August; 1997, 1999: September
CPS Volunteering and Civic Life Supplement	2002-2015, 2019, 2021, 2023: September
CPS Voting Supplement	1994, 1996, 1998, 2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2020, 2022: November
CPS Work Schedules Supplement	1997, 2001, 2004: May

Available Geographies

ACS Available Geographies
Nation
Region
Division
State
Public Use Microdata Area (PUMA)

SIPP Available Geographies
Nation
State

CPS Available Geographies
Nation
State
Selected Counties (in CPS ASEC)

Outline

- Microdata Overview
- **MDAT Demo**
- Resources for Learning More

Demo

1. Getting Started with MDAT and Saving Results

Example: Educational attainment for veterans by race in all states

2. Grouping Variables, Limiting Universe, and Selecting PUMAs

Example: Health insurance status by sex and custom age groups for PUMAs in Lee County, FL

Check Pre-Tabulated Tables First: S2101 – Veteran Status

S2101 | Veteran Status

American Community Survey | 2023: ACS 1-Year Estimates Subject Tables

Please note that American Community Survey 1-Year estimates are published for geographies with a population of at least 100,000. For more information, see the [guidance for when to use 1-year or 5-year estimates](#).

Label	United States	
	Veterans	
	Estimate	Margin of Error
✓ POVERTY STATUS IN THE PAST 12 MONTHS		
✓ Civilian population 18 years and over for ...	15,559,205	±67,085
Income in the past 12 months at or above ...	14,370,559	±62,905
✓ DISABILITY STATUS		
✓ Civilian population 18 years and over for ...	15,559,205	±67,085
With any disability	4,814,838	±37,038
Without a disability	10,744,367	±57,763

- Pre-tabulated ACS tables provide education data for veterans
- The tables do not provide educational attainment of veterans by race

Demo

1. Getting Started with MDAT and Saving Results

Example: Educational attainment for veterans by race in all states

2. Grouping Variables, Limiting Universe, and Selecting PUMAs

Example: Health insurance status by sex and custom age groups for PUMAs in Lee County, FL

- Visit data.census.gov
- Click the **Apps** tab and then click **Microdata**

The screenshot shows the data.census.gov website interface. At the top, there is a search bar and navigation tabs for All, Tables, Maps, Profiles, Pages, and Apps (highlighted with a red box). Below the navigation, the 'Apps' section is displayed, featuring a 'Microdata' card (also highlighted with a red box) and a 'Population Pyramids' card.

Microdata
Explore datasets, create crosstabulations, and download United States Census microdata.

Population Pyramids
How much can you learn about a place from one chart? Population pyramids offer a powerful window into community dynamics.

- Choose Dataset and Vintage:
 - Dataset – ACS 1-Year Estimates Public Use Microdata Sample
 - Vintage – 2023
 - Click **Next** in the lower right

Select a Dataset & Vintage

Select a Dataset: ACS 1-Year Estimates Public Use Microdata Sample

ACSPUMS1Y

Select a Vintage: 2023

2023

NEXT



- Search for Variables:
 - Select “Veterans” from the “Filter by Topic” drop-down menu
 - Click the chevron for “MIL” to view variable details
 - Mark the check box next to “MIL” to select the variable

Dataset **Variables** Geographies Cart **1** Table

Dataset: ACS 1-Year Estimates Public Use Microdata Sample (2023)

Filter by Topic: **Veterans** ▾ Selected: 1 variable (5 columns, 1 row)

	Variable	Label	Value Count	Type ▾
	<input type="text"/>	<input type="text"/>	<input type="text"/>	(1) Estimate ▾
<input type="checkbox"/>	> MLPA	Served September 2001 or later	3	Estimate
<input type="checkbox"/>	> MLPB	Served August 1990 - August 2001 (including Persian Gulf War)	3	Estimate
<input type="checkbox"/>	> MLPE	Served Vietnam era (August 1964 - April 1975)	3	Estimate
<input type="checkbox"/>	> MLPH	Served Korean War (July 1950 - January 1955)	3	Estimate
<input type="checkbox"/>	> MLPJ	Served World War II (December 1941 - December 1946)	3	Estimate
<input type="checkbox"/>	> VPS	Veteran period of service	15	Estimate
<input type="checkbox"/>	> DRATX	Veteran service connected disability rating (checkbox)	3	Estimate
<input type="checkbox"/>	> DRAT	Veteran service connected disability rating (percentage)	7	Estimate
<input checked="" type="checkbox"/>	> MIL	Military service	5	Estimate
<input type="checkbox"/>	> MLPCD	Served May 1975 - July 1990	3	Estimate
<input type="checkbox"/>	> MLPFG	Served February 1955 - July 1964	3	Estimate
<input type="checkbox"/>	> MLPIK	Peacetime service before July 1950	3	Estimate

- Search for Variables:
 - Select “Educational Attainment” from the “Filter by Topic” drop-down menu
 - Click the chevron for “SCHL” to view variable details
 - Mark the check box next to “SCHL” to select the variable

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Dataset **Variables** Geographies Cart ² Table

Dataset: ACS 1-Year Estimates Public Use Microdata Sample (2023)

Filter by Topic: **Educational Attainment** *Selected: 2 variables (5 columns, 25 rows)*

Variable	Label	Value Count	Type
<input checked="" type="checkbox"/> > SCHL	Educational attainment	25	Estimate

- Search for Variables:
 - Select “Race and Ethnicity” from the “Filter by Topic” drop-down menu
 - Click the chevron for “RAC1P” to view variable details
 - Mark the check box next to “RAC1P” to select the variable

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Dataset **Variables** Geographies Cart ³ Table

Dataset: ACS 1-Year Estimates Public Use Microdata Sample (2023)

Filter by Topic: Race and Ethnicity ▾ Selected: 3 variables (45 columns, 25 rows)

Variable	Label	Value Count	Type ▾
<input type="checkbox"/> > RACAIAN	American Indian and Alaska Native recode (American Indian and Alaska Native alone o...	2	Edited Items
<input type="checkbox"/> > RACASN	Asian recode (Asian alone or in combination with one or more other races)	2	Edited Items
<input type="checkbox"/> > RACBLK	Black or African American recode (Black alone or in combination with one or more oth...	2	Edited Items
<input type="checkbox"/> > RACNUM	Number of major race groups represented	1	Edited Items
<input type="checkbox"/> > RACSOR	Some other race recode (Some other race alone or in combination with one or more ot...	2	Edited Items
<input type="checkbox"/> > RACWHT	White recode (White alone or in combination with one or more other races)	2	Edited Items
<input type="checkbox"/> > RACNH	Native Hawaiian recode (Native Hawaiian alone or in combination with one or more oth...	2	Recodes
<input type="checkbox"/> > RACPI	Other Pacific Islander recode (Other Pacific Islander alone or in combination with one ...	2	Recodes
<input checked="" type="checkbox"/> > RAC1P	Recoded detailed race code	9	Recodes
<input type="checkbox"/> > HHLDRAGEP	Age of the householder	2	Estimate
<input type="checkbox"/> > HHLDRHISP	Recoded detailed Hispanic origin of the householder	25	Estimate
<input type="checkbox"/> > HHLDRRAC1P	Recoded detailed race code of the householder	10	Estimate
<input type="checkbox"/> > RAC3P	Recoded detailed race code	100	Recodes
<input type="checkbox"/> > RAC2P	Recoded detailed race code	64	Recodes

- Select geography:
 - Click the GEOGRAPHIES tab
 - Click **State** and choose **SELECT ALL**

The screenshot shows the United States Census Bureau interface. At the top, the 'Geographies' tab is highlighted with an orange box. Below it, the 'Dataset' is identified as 'ACS 1-Year Estimates Public Use Microdata Sample (2023)'. A navigation bar includes 'REGION', 'DIVISION', 'STATE', 'PUMA', and 'GROUP', with 'STATE' highlighted by an orange box. A list of states follows, each with an unchecked checkbox: Alabama, Alaska, Arizona, Arkansas, California, Colorado, Connecticut, Delaware, District of Columbia, Florida, Georgia, and Hawaii. At the bottom of this list, a 'SELECT ALL' button is highlighted with an orange box.

- View Cart and Limit Universe of MIL variable
 - Click the **Cart** tab, and deselect all values excluding the “On active duty in the past, but not now” value from MIL

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Dataset Variables Geographies **51** **Cart 3** Table

Dataset: ACS 1-Year Estimates Public Use Microdata Sample (2023)

3 selected variables

- MIL >**
1 of 5 values
- RAC1P >**
9 of 9 values
- SCHL >**
25 of 25 values

[DELETE ALL VARIABLES](#)

Military service (MIL)

[CREATE CUSTOM GROUP](#)

<input type="checkbox"/>	Label	Value
<input type="checkbox"/>	N/A (less than 17 years old)	0
<input type="checkbox"/>	Now on active duty	1
<input checked="" type="checkbox"/>	On active duty in the past, but not now	2
<input type="checkbox"/>	Only on active duty for training in Reserves/National Guard	3
<input type="checkbox"/>	Never served in the military	4

■ Limit Universe of SCHL variable

- Click the **SCHL** variable, and deselect the checkbox next to the **Label** heading
- **Reselect** the 'Regular high school diploma' value going all the way down to the 'Doctorate degree' value (9 selected values in total)

The screenshot shows the United States Census Bureau data selection interface. The top navigation bar includes 'Dataset', 'Variables', 'Geographies 51', 'Cart 3', and 'Table'. The dataset is identified as 'ACS 1-Year Estimates Public Use Microdata Sample (2023)'. Under '3 selected variables', 'SCHL' is highlighted with a red box, showing '9 of 25 values'. A 'DELETE ALL VARIABLES' button is visible below the variable list. The 'Educational attainment (SCHL)' section features a 'CREATE CUSTOM GROUP' button and a table with columns for 'Label' and 'Value'. The 'Label' column header is highlighted with a red box. The table lists educational levels from Grade 7 to Doctorate degree. The bottom nine rows, from 'Regular high school diploma' to 'Doctorate degree', are highlighted with a red box, indicating they are selected.

Label	Value
<input type="checkbox"/> Grade 7	10
<input type="checkbox"/> Grade 8	11
<input type="checkbox"/> Grade 9	12
<input type="checkbox"/> Grade 10	13
<input type="checkbox"/> Grade 11	14
<input type="checkbox"/> 12th grade - no diploma	15
<input checked="" type="checkbox"/> Regular high school diploma	16
<input checked="" type="checkbox"/> GED or alternative credential	17
<input checked="" type="checkbox"/> Some college, but less than 1 year	18
<input checked="" type="checkbox"/> 1 or more years of college credit, no degree	19
<input checked="" type="checkbox"/> Associate's degree	20
<input checked="" type="checkbox"/> Bachelor's degree	21
<input checked="" type="checkbox"/> Master's degree	22
<input checked="" type="checkbox"/> Professional degree beyond a bachelor's degree	23
<input checked="" type="checkbox"/> Doctorate degree	24

- Confirm Cart selections and Click View Table button
 - Once the universes of the variables have been limited, click on the **View Table** button

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Dataset Variables Geographies **51** **Cart 3** Table

Dataset: ACS 1-Year Estimates Public Use Microdata Sample (2023)

3 selected variables

- MIL >
1 of 5 values
- RAC1P >
9 of 9 values
- SCHL >**
9 of 25 values

DELETE ALL VARIABLES

Educational attainment (SCHL)

CREATE CUSTOM GROUP

Label	Value
<input type="checkbox"/> Grade 7	10
<input type="checkbox"/> Grade 8	11
<input type="checkbox"/> Grade 9	12
<input type="checkbox"/> Grade 10	13
<input type="checkbox"/> Grade 11	14
<input type="checkbox"/> 12th grade - no diploma	15
<input checked="" type="checkbox"/> Regular high school diploma	16
<input checked="" type="checkbox"/> GED or alternative credential	17
<input checked="" type="checkbox"/> Some college, but less than 1 year	18
<input checked="" type="checkbox"/> 1 or more years of college credit, no degree	19
<input checked="" type="checkbox"/> Associate's degree	20
<input checked="" type="checkbox"/> Bachelor's degree	21
<input checked="" type="checkbox"/> Master's degree	22
<input checked="" type="checkbox"/> Professional degree beyond a bachelor's degree	23
<input checked="" type="checkbox"/> Doctorate degree	24

CHANGE DATASET VIEW TABLE

- View variable placement in the default table layout:
 - Columns/Rows – Variables will be shown in the table. By default, the table is providing data for military service and race in the columns, and the educational attainment variable and geographies in the rows.

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Dataset Variables Geographies **51** Cart **3** **Table**

Dataset: ACS 1-Year Estimates Public Use Microdata Sample (2023)

< Custom Table

Columns (+)

MIL × RAC1P ×

Rows (+)

SCHL × Selected Geographies ×

Not on Table (+)

Group	Selected ...	Total	Military service (MIL)									
			On active duty in the past, but not now									
			Recoded detailed race code (RAC1P) <									
			Total Reco...	White alone	Black or A...	American I...	Alaska Nat...	American I...	Asian alone	Native Ha...	Some othe...	Two or Mo...
	Total	15,181,961	15,181,961	11,318,606	1,903,979	91,809	4,478	17,222	288,559	30,201	390,627	1,136,480
∨ Tot... (51)		3,533,393	3,533,393	2,663,535	476,575	21,407	1,603	6,048	44,287	8,677	97,766	213,495
	Alabama	59,613	59,613	38,970	16,817	211	0	19	89	0	607	2,900
	Alaska	11,467	11,467	8,100	1,126	0	1,141	0	8	166	430	496
	Arizona	75,119	75,119	56,821	4,469	1,672	28	57	789	112	3,041	8,130
	Arkansas	45,568	45,568	36,721	6,485	373	0	0	0	157	54	1,778
	California	211,672	211,672	120,758	20,782	2,672	0	1,129	12,597	1,717	25,484	26,533
	Colorado	50,399	50,399	37,345	2,332	384	0	179	502	54	3,324	6,279

- Edit Table Layout:
 - Move Selected Geographies to Columns:
 - **Click, hold and drag Selected Geographies up to the Columns.** Placing the selected Geographies in front of the MIL variable will make it appear above the variable in the final table layout.

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Dataset Variables Geographies **51** Cart **3** **Table**

Dataset: ACS 1-Year Estimates Public Use Microdata Sample (2023)

< Custom Table

Columns (+)

MIL × RAC1P ×

Rows (+)

SCHL × Selected Geographies ×

Not on Table (+)

Group	Selected Ge...	Total	Military service (On active duty in Recoded detailed Total Recode...
	Total	15,181,961	15,181,961
∨ Total ... (51)		3,533,393	3,533,393
	Alabama	59,613	59,613
	Alaska	11,467	11,467
	Arizona	75,119	75,119
	Arkansas	45,568	45,568

- Edit Table Layout:
 - Move RAC1P to Rows:
 - **Click, hold and drag RAC1P variable to Rows.** This will place the race categories in the rows of the table under the SCHL variable.

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Dataset Variables Geographies ⁵¹ Cart ³ **Table**

Dataset: ACS 1-Year Estimates Public Use Microdata Sample (2023)

< Custom Table

Columns (+)

Selected Geographies × MIL ×

RAC1P ×

Rows (+)

SCHL ×

Not on Table (+)

Group	Selected ...	Total	Military service (MIL)					
			On active duty in the past, but not now					
Recoded detailed race code (RAC1P) <								
	Total Reco...	White alone	Black or A...	American I...	Alaska Nat...	American I...		
	Total	15,181,961	15,181,961	11,318,606	1,903,979	91,809	4,478	17,222
∨ Tot... (51)		3,533,393	3,533,393	2,663,535	476,575	21,407	1,603	6,048
	Alabama	59,613	59,613	38,970	16,817	211	0	19
	Alaska	11,467	11,467	8,100	1,126	0	1,141	0
	Arizona	75,119	75,119	56,821	4,469	1,672	28	57
	Arkansas	45,568	45,568	36,721	6,485	373	0	0
	California	211,672	211,672	120,758	20,782	2,672	0	1,129
	Colorado	50,399	50,399	37,345	2,332	384	0	179

- View Table Information:
 - **Scroll down** in the panel on the left to select geographies, cell value options, weights, and vintages.

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Dataset Variables Geographies ⁵¹ Cart ³ **Table**

Dataset: ACS 1-Year Estimates Public Use Microdata Sample (2023)

< Custom Table

To restructure the table, drag and drop the variables into the desired location.

Select Weight

Unweighted

PUMS person weight

Housing Unit Weight

RESET WEIGHT

Select Vintage

2023

2022

2021

2019

2018

2017

2016

Group	Records
	Total
<ul style="list-style-type: none"> Total Regular high school diploma (9) 	White a
	Black c
	Americ
	Alaska
	Americ
	Asian a
	Native
	Some c
	Two or
<ul style="list-style-type: none"> Total Professional degree beyond... (9) 	White a
	Black c
	Americ

- View Table Data:

- Click the small chevron button to collapse the panel on the left and view the table

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Dataset Variables Geographies **51** Cart **3** **Table**

Dataset: ACS 1-Year Estimates Public Use Microdata Sample (2023)

> Custom Table

Group	Recoded detailed race code	Total	Selected Geographies						
			Alabama	Alaska	Arizona	Arkansas	California	Colorado	Connecti...
			Military s...	Military s...	Military s...	Military s...	Military s...	Military s...	Military s...
			On active...	On active...	On active...	On active...	On active...	On active...	On active...
	Total	15,181,961	288,233	56,795	418,313	160,462	1,186,237	329,156	126,638
∨ Total Regular high school diploma (9)		3,533,393	59,613	11,467	75,119	45,568	211,672	50,399	38,069
	White alone	2,663,535	38,970	8,100	56,821	36,721	120,758	37,345	29,878
	Black or African American alone	476,575	16,817	1,126	4,469	6,485	20,782	2,332	5,310
	American Indian alone	21,407	211	0	1,672	373	2,672	384	128
	Alaska Native alone	1,603	0	1,141	28	0	0	0	0
	American Indian and Alaska Native tribes spec...	6,048	19	0	57	0	1,129	179	0
	Asian alone	44,287	89	8	789	0	12,597	502	164
	Native Hawaiian and Other Pacific Islander alo...	8,677	0	166	112	157	1,717	54	0
	Some other race alone	97,766	607	430	3,041	54	25,484	3,324	1,590

- Download:
 - Click **DOWNLOAD/SHARE** at the bottom of the table
 - Select **CSV**
 - Select **EXPORT TABLE DATA** to download the table

The screenshot displays a data table with a modal window for downloading the data. The modal window has the following sections:

- DOWNLOAD/SHARE** buttons at the top.
- Select Table Data Format**: Radio buttons for **CSV** (selected) and **Excel**.
- Select Raw Data Formats**: Checkboxes for **CSV** (checked), **JSON**, **Weight(s) included** (with **PUMS person weight (PWGTP)*** checked), and **Housing Unit Weight (WGTP)**.
- Weight associated with a selected variable ***: A text field.
- DOWNLOAD RAW DATA** button at the bottom.

Red arrows indicate the workflow: from the **DOWNLOAD/SHARE** button to the **EXPORT TABLE DATA** button, and from the **EXPORT TABLE DATA** button to the **DOWNLOAD RAW DATA** button.

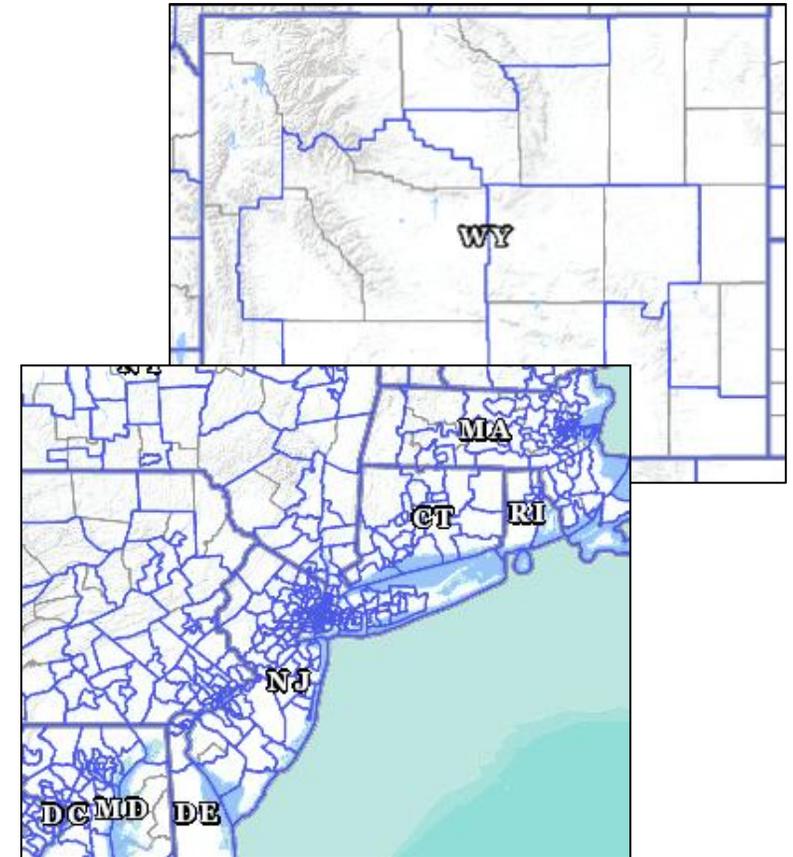
The background table shows demographic data with columns for race and geography. The data table includes the following columns: Group, Total, Alabama, Alaska, Arizona, Arkansas, California, Colorado, Connecticut, Delaware, and others. The data rows include categories like "Regular high school diploma" and "Professional degree beyond a bachelor's degree".

Group	Total	Selected Geographies									
		Alabama	Alaska	Arizona	Arkansas	California	Colorado	Connecticut	Delaware		
-> Regular high school diploma	3,533,393	59,613	11,467	75,119	45,568	211,672	50,399	38,069	13,658		
White alone	2,663,535	38,970	8,100	56,821	36,721	120,758	37,345	29,878	11,053		
Black or African American alone	476,575	16,817	1,126	4,469	6,485	20,782	2,332	5,310	1,832		
American Indian alone	21,407	211	0	1,672	373	2,672	384	128	207		
Alaska Native alone	1,603	0	1,141	28	0	0	0	0	0		
American Indian and Alaska Native together	6,048	19	0	57	0	1,129	179	0	0		
Asian alone	44,287	89	8	789	0	12,597	502	164	112		
Native Hawaiian and Other Pacific Islander alone	8,677	0	166	112	157	1,717	54	0	26		
Some other race alone	97,766	607	430	3,041	54	25,484	3,324	1,590	53		
Two or More Races	213,495	2,900	496	8,130	1,778	26,533	6,279	999	375		
-> Professional degree beyond a bachelor's degree	360,168	5,808	1,163	9,391	2,977	36,333	9,933	3,908	1,163		
White alone	299,610	4,152	1,106	8,177	2,139	27,961	8,530	3,333	1,059		
Black or African American alone	21,198	797	0	71	62	1,944	450	78	0		
American Indian alone	1,771	0	57	0	0	359	146	0	0		
Alaska Native alone	386	0	0	0	0	0	0	0	0		
American Indian and Alaska Native together	418	0	0	0	0	190	0	0	0		
Asian alone	11,789	164	0	501	288	3,294	159	0	82		
Native Hawaiian and Other Pacific Islander alone	462	0	0	0	0	48	166	0	0		
Some other race alone	4,205	0	0	202	0	344	0	0	0		
Two or More Races	20,329	695	0	440	488	2,193	482	497	22		
-> 1 or more years of college credit, no degree	2,608,229	53,989	8,682	83,664	27,879	242,399	53,573	17,420	10,047		
White alone	1,852,136	37,624	6,681	64,206	22,510	141,673	39,749	14,861	6,548		
Black or African American alone	371,156	13,045	87	5,426	3,861	24,918	3,234	1,096	2,923		
American Indian alone	19,860	180	0	1,802	28	2,376	773	159	0		
Alaska Native alone	500	0	230	0	0	50	0	0	0		
American Indian and Alaska Native together	2,572	0	0	112	79	745	189	0	0		
Asian alone	43,082	173	102	788	66	15,745	319	64	0		

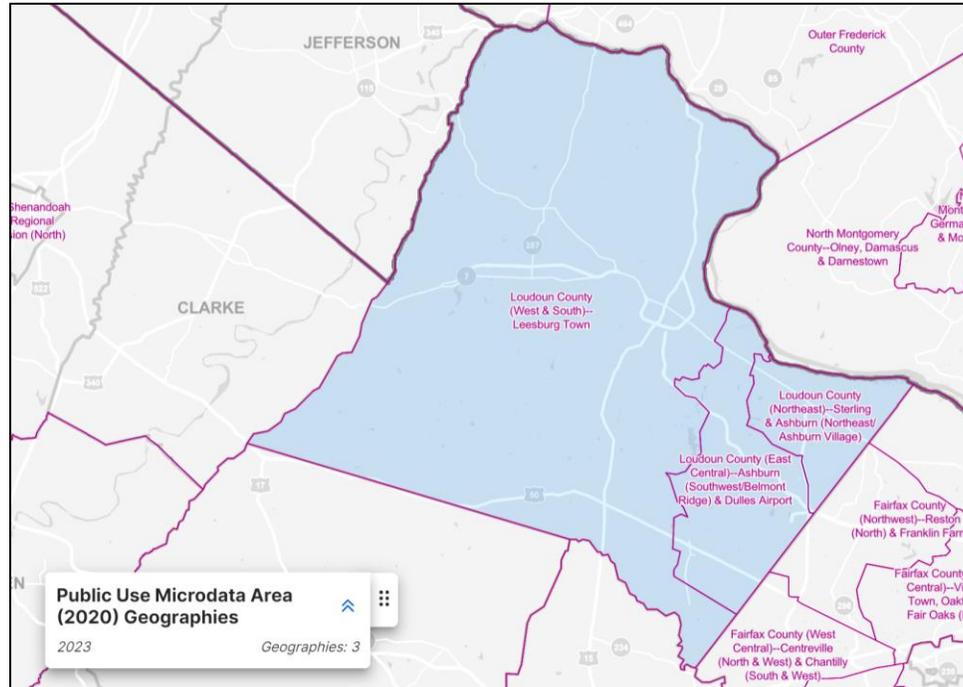
Public Use Microdata Areas (PUMAs)

Defined area with 100,000+ population:

- PUMAs (or collections of PUMAs) can be used to identify most cities of 100,000+ and many metro areas, but not all
- Identified by five-digit code (unique within each state)
- Nest within states and cover the entire nation
- Defined after each decennial census
- Census tracts and counties are the building blocks

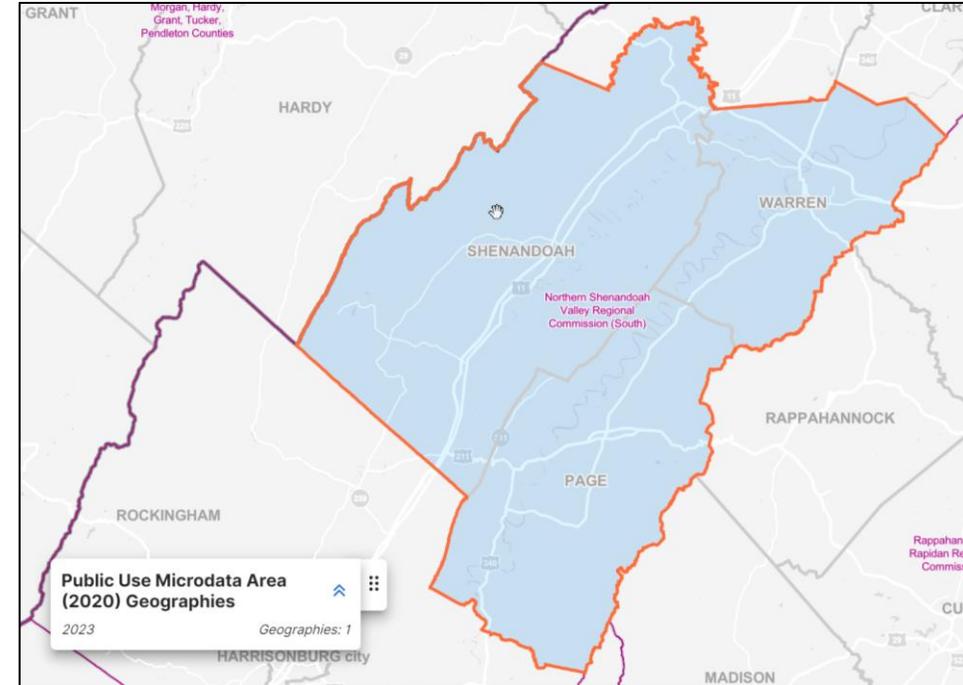


Visualizing PUMAs through data.census.gov



Three PUMAs cover Loudoun County, VA:

- PUMA 10701
- PUMA 10702
- PUMA 10703



Virginia PUMA 17100 covers 3 counties:

- Shenandoah
- Warren
- Page

Demo

1. Getting Started with MDAT and Saving Results

Example: Educational attainment for veterans by race in all states

2. Grouping Variables, Limiting Universe, and Selecting PUMAs

Example: Health insurance status by sex and custom age groups for PUMAs in Lee County, FL

Check Pre-Tabulated Tables First: B27001 – Health Insurance

B27001 | Health Insurance Coverage Status by Sex by Age

American Community Survey | Universe: Civilian noninstitutionalized population | 2023: ACS 1-Year Estimate...

Please note that American Community Survey 1-Year estimates are published for geographies with a population of at least 100,000. For more information, see the [guidance for when to use 1-year or 5-year estimates](#).

Label	Allen County, Indiana	
	Estimate	Margin of Error
✓ Total:	390,839	±213
✓ Female:	196,671	±1,392
✓ 45 to 54 years:	22,321	±876
With health insurance coverage	20,266	±1,008
No health insurance coverage	2,055	±761
✓ 55 to 64 years:	22,646	±677
With health insurance coverage	21,340	±884
No health insurance coverage	1,306	±477
✓ 65 to 74 years:	20,327	±745

- Pre-tabulated ACS tables provide data health insurance status by sex and age (45 to 54 years; 55 to 64 years, etc.)
- The tables do not provide the ability to customize age groupings.

Demo

1. Getting Started with MDAT and Saving Results

Example: Educational attainment for veterans by race in all states

2. Grouping Variables, Limiting Universe, and Selecting PUMAs

Example: Health insurance status by sex and custom age groups for PUMAs in Lee County, FL

- Visit data.census.gov
- Click the **Apps** tab and then click **Microdata**

The screenshot shows the data.census.gov website interface. At the top, the United States Census Bureau logo is on the left, and a search bar with a microphone icon and a magnifying glass icon is on the right. Below the search bar, navigation tabs include 'All', 'Tables', 'Maps', 'Profiles', 'Pages', and 'Apps' (which is highlighted with a red box). To the right of the 'Apps' tab are links for 'Help', 'FAQ', and 'Feedback'. Below the navigation bar, the 'Apps' section is displayed. On the left, the 'Microdata' section is highlighted with a red box. It features a 'SELECT VARIABLES' interface with a search bar and a table of variables. The 'MULTG' variable is selected. Below the table, there is a 'Description' and 'Values' section for the selected variable. On the right, the 'Population Pyramids' section is visible, showing a horizontal bar chart with age groups on the y-axis (45 to 85+) and population counts on the x-axis. The bars are colored in shades of blue and yellow.

Microdata
Explore datasets, create crosstabulations, and download United States Census microdata.

Population Pyramids
How much can you learn about a place from one chart? Population pyramids offer a powerful window into community dynamics.

- Choose Dataset and Vintage:
 - Dataset – ACS 5-Year Estimates Public Use Microdata Sample
 - Vintage – 2023
 - Click **Next** in the lower right

Select a Dataset & Vintage

Select a Dataset:

ACS 5-Year Estimates Public Use Microdata Sample



ACSPUMS5Y

Select a Vintage:

2023



2023

NEXT

- **Search for Variables:** Use the search box below “Variable” or “Label” to find your variables of interest

Dataset **Variables** Geographies Cart Table

Dataset: ACS 5-Year Estimates Public Use Microdata Sample (2023)

Filter by Topic: -- All Topics -- ▼ Select at least one variable to start

	Variable	Label	Value Count	Type
<input type="checkbox"/>	> WGTP	Housing Unit Weight	2	Weights
<input type="checkbox"/>	> PWGTP	Person weight	1	Weights
<input type="checkbox"/>	> COW	Class of worker	10	Edited Items
<input type="checkbox"/>	> GCL	Grandparents living with grandchildren	3	Edited Items
<input type="checkbox"/>	> VACS	Vacancy status	8	Edited Items
<input type="checkbox"/>	> ESR	Employment status recode	7	Recodes
<input type="checkbox"/>	> NWAB	Temporary absence from work (UNEDITED-See 'Employment Status Recode' (E...	4	Recodes
<input type="checkbox"/>	> NWAV	Available for work (UNEDITED-See 'Employment Status Recode' (ESR))	6	Recodes
<input type="checkbox"/>	> NWLA	On layoff from work (UNEDITED-See 'Employment Status Recode' (ESR))	4	Recodes
<input type="checkbox"/>	> NWLK	Looking for work (UNEDITED-See 'Employment Status Recode' (ESR))	4	Recodes
<input type="checkbox"/>	> NWRE	Informed of recall (UNEDITED-See 'Employment Status Recode' (ESR))	4	Recodes
<input type="checkbox"/>	> POVPIP	Income-to-poverty ratio recode	3	Recodes
<input type="checkbox"/>	> RAC1P	Recoded detailed race code (Note: due to space restrictions, some labels may ...	9	Recodes
<input type="checkbox"/>	> RACAIA	American Indian and Alaska Native recode (American Indian and Alaska Native ...	2	Recodes
<input type="checkbox"/>	> RACASN	Asian recode (Asian alone or in combination with one or more other races)	2	Recodes
<input type="checkbox"/>	> RACBLK	Black or African American recode (Black alone or in combination with one or m...	2	Recodes
<input type="checkbox"/>	> RACSOR	Some other race recode (Some other race alone or in combination with one or ...	2	Recodes
<input type="checkbox"/>	> RACWHT	White recode (White alone or in combination with one or more other races)	2	Recodes

Showing 221 of 518 variables. Use Type filter to show/hide variable types.



CHANGE DATASET
VIEW TABLE

- Select variable for health:
 - Type “HICOV” in the Variable search box or type “Health” in the label search box
 - Click the chevron next to the variable to view possible values for this variable
 - Check the box to the left of HICOV to add the variable to data cart

The screenshot shows the United States Census Bureau interface. The 'Variables' tab is active. The dataset is 'ACS 5-Year Estimates Public Use Microdata Sample (2023)'. The filter is set to 'All Topics'. A table lists variables, with 'HICOV' selected. The 'Label' search box contains 'health'. The 'Values' section shows two options: '1: With health insurance coverage' and '2: No health insurance coverage'. An arrow points from the 'HICOV' variable name to the 'Values' section.

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Dataset **Variables** Geographies Cart ¹ Table

Dataset: ACS 5-Year Estimates Public Use Microdata Sample (2023)

Filter by Topic: -- All Topics -- *Selected: 1 variable (2 columns, 1 row)*

Variable ▾	Label ▾	Value Count	Type ▾
<input checked="" type="checkbox"/> HICOV ▾	health ▾		(1) Recodes ▾
HICOV	Health insurance coverage recode	2	Recodes

Values	Description
<ul style="list-style-type: none">• 1: With health insurance coverage• 2: No health insurance coverage	Health insurance coverage recode

- Select variable for sex:
 - Type “SEX” in the Variable search box or type “Sex” in the label search box
 - Click the chevron next to the variable to view possible values for this variable
 - Check the box to the left of SEX to add the variable to data cart

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Dataset Variables Geographies Cart ² Table

Dataset: ACS 5-Year Estimates Public Use Microdata Sample (2023)

Filter by Topic: -- All Topics -- Selected: 2 variables (4 columns, 1 row)

Variable	Label	Value Count	Type
SEX	sex		(1) Estimate
<input checked="" type="checkbox"/> SEX	Sex	2	Estimate

Values

- 1: Male
- 2: Female

Description

Sex

- Select variable for age:
 - Type “AGEP” in the Variable search box or type “Age” in the label search box
 - Click the chevron next to the variable to view possible values for this variable
 - Check the box to the left of AGEP to add the variable to data cart
 - Notice a message that states you may need to recode the variable

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Dataset **Variables** Geographies Cart **3** Table

Dataset: ACS 5-Year Estimates Public Use Microdata Sample (2023)

Filter by Topic: All Topics Selected: 3 variables (4 columns, 1 row)

This "AGEP:Age" variable is continuous and can only be added to "Cell Value Options." Create a group (recode) to use this variable elsewhere. ✕

<input checked="" type="checkbox"/>	▼ AGEP	Age	Value Count	Type ▼
			2	(1) Estimate ▼

Values

- 0: Under 1 year
- 1:99: 1 to 99 years (Top-coded)

Description

Age

<input type="checkbox"/>	> HHLDRAGEP	Age of the householder	2	Estimate
--------------------------	-------------	------------------------	---	----------

- **Select geography:**
 - Click the **GEOGRAPHIES** tab
 - Click **PUMA, Florida**, and click the check boxes for the **6 PUMAs in Lee County**

The screenshot shows the United States Census Bureau website interface. At the top, the 'Geographies' tab is selected and highlighted with a red box, with a '6' in a blue circle next to it. Below the navigation bar, the dataset is identified as 'ACS 5-Year Estimates Public Use Microdata Sample (2023)'. The 'PUMA (6)' filter is selected and highlighted with a red box. On the left, the 'STATE' list has 'Florida (6)' selected and highlighted with a red box. On the right, the 'PUBLIC USE MICRODATA AREA (PUMA)' list shows six items, all of which are checked and highlighted with a red box:

- Lee County (Central)--Greater Fort Myers City PUMA; Florida
- Lee County (North)--Cape Coral City (North) PUMA; Florida
- Lee County (North)--Cape Coral City (South) PUMA; Florida
- Lee County (Northeast)--Lehigh Acres & North Fort Myers PUMA; Florida
- Lee County (South & West)--Barrier Islands Region PUMA; Florida
- Lee County (Southeast)--Bonita Springs City & Estero (East) PUMA; Florida

At the bottom, four location tags are visible, each with a red location pin icon and a close button (x):

- Lee County (Central)--Greater Fort Myers City PUMA; Florida
- Lee County (North)--Cape Coral City (North) PUMA; Florida
- Lee County (North)--Cape Coral City (South) PUMA; Florida
- Lee County (Northeast)--Lehigh Acres & North

- Recode variables:
 - Click the **AGEP** variable on the left
 - Click **CREATE CUSTOM GROUP**

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Dataset Variables Geographies **6** **Cart 3** Table

Dataset: ACS 5-Year Estimates Public Use Microdata Sample (2023)

3 selected variables

HICOV >
2 of 2 values

SEX >
1 of 2 values

AGEP >
2 of 2 values

Age (AGEP)

CREATE CUSTOM GROUP

<input checked="" type="checkbox"/>	Label	Value
<input checked="" type="checkbox"/>	Under 1 year	0
<input checked="" type="checkbox"/>	1 to 99 years (Top-coded)	1:99

DELETE ALL VARIABLES

- Recode your variables:
 - Type a group label: **Under 18**
 - Click the **pencil** icon next to 1:99
 - Edit the maximum value in the pop-up window to **17** and click **Save**
 - Click **Save Group**

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Dataset Variables Geographies **6** **Cart 4** Table

Dataset: ACS 5-Year Estimates Public Use Microdata Sample (2023)

4 selected variables

HICOV >
2 of 2 values

SEX >
2 of 2 values

AGEP >
2 of 2 values

AGEP_RC1 >
1 of 1 group

DELETE ALL VARIABLES

Recode for Age (AGEP_RC1)

Group Label
Under 18

AUTO GROUP

CANCEL SAVE GROUP

<input checked="" type="checkbox"/>	Label	Value
<input checked="" type="checkbox"/>	Under 1 year	0
<input checked="" type="checkbox"/>	1 to 99 years (Top-coded)	1:99

1 to 99 years (Top-coded)

Minimum 1

Maximum 17

RESET CANCEL SAVE

- Recode your variables:
 - Click the Pencil Icon to the right of Not Elsewhere Grouped

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Dataset Variables Geographies **6** **Cart 4** Table

Dataset: ACS 5-Year Estimates Public Use Microdata Sample (2023)

4 selected variables

HICOV >
2 of 2 values

SEX >
2 of 2 values

AGEP >
2 of 2 values

AGEP_RC1 >
2 of 2 groups

DELETE ALL VARIABLES

Recode for Age (AGEP_RC1)

AUTO GROUP

<input checked="" type="checkbox"/>	Label	Group	
<input checked="" type="checkbox"/>	Not Elsewhere Grouped	18:99	
<input checked="" type="checkbox"/>	Under 18	0,1:17	 

■ Recode your variables:

- Type a group label: **18 to 24**
- Click the **pencil** icon next to 18:99
- Edit the maximum value in the pop-up window to **24** and click **Save**
- Click **Save Group**

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Dataset Variables Geographies **Cart** 4 Table

Dataset: ACS 5-Year Estimates Public Use Microdata Sample (2023)

4 selected variables

- HICOV > 2 of 2 values
- SEX > 2 of 2 values
- AGEP > 2 of 2 values
- AGEP_RC1 >** 2 of 2 groups

DELETE ALL VARIABLES

Recode for Age (AGEP_RC1)

Group Label
18 to 24

AUTO GROUP

CANCEL SAVE GROUP

<input checked="" type="checkbox"/>	Label	Value
<input checked="" type="checkbox"/>	Between 18 and 99	18:99

Between 18 and 99

Minimum 18 Maximum 24

RESET CANCEL SAVE

- Recode your variables:
 - Click the Pencil Icon to the right of Not Elsewhere Grouped

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Dataset Variables Geographies **6** **Cart** **4** Table

Dataset: ACS 5-Year Estimates Public Use Microdata Sample (2023)

4 selected variables

HICOV >
2 of 2 values

SEX >
2 of 2 values

AGEP >
2 of 2 values

AGEP_RC1 >
3 of 3 groups

[DELETE ALL VARIABLES](#)

Recode for Age (AGEP_RC1) **AUTO GROUP**

<input checked="" type="checkbox"/>	Label	Group	
<input checked="" type="checkbox"/>	Not Elsewhere Grouped	25:99	
<input checked="" type="checkbox"/>	Under 18	0,1:17	 
<input checked="" type="checkbox"/>	18 to 24	18:24	 

■ Recode your variables:

- Type a group label: **25 to 34**
- Click the **pencil** icon next to 25:99
- Edit the maximum value in the pop-up window to **34** and click **Save**
- Click **Save Group**

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Dataset Variables Geographies **6** **Cart 4** Table

Dataset: ACS 5-Year Estimates Public Use Microdata Sample (2023)

4 selected variables

- HICOV >
2 of 2 values
- SEX >
2 of 2 values
- AGEP >
2 of 2 values
- AGEP_RC1 >**
3 of 3 groups

DELETE ALL VARIABLES

Recode for Age (AGEP_RC1)

Group Label
25 to 34

AUTO GROUP

CANCEL SAVE GROUP

<input checked="" type="checkbox"/>	Label	Value
<input checked="" type="checkbox"/>	Between 25 and 99	25:99

Between 25 and 99

Minimum 25 Maximum 34

RESET CANCEL SAVE

- Use Auto Group feature:
 - Click Auto Group button
 - Click Between 35 and 99
 - Change to Groups of 5 and click Save

The screenshot shows the United States Census Bureau data analysis interface. The top navigation bar includes 'Dataset', 'Variables', 'Geographies 6', 'Cart 4', and 'Table'. The current dataset is 'ACS 5-Year Estimates Public Use Microdata Sample (2023)'. On the left, under '4 selected variables', 'AGEP_RC1' is selected with '4 of 4 groups'. A 'DELETE ALL VARIABLES' button is visible below the variable list. The main area displays the 'Recode for Age (AGEP_RC1)' dialog box. This dialog has a table with columns 'Label' and 'Group'. The 'Label' column contains 'Not Elsewhere Grouped', 'U', '1', and '2'. The 'Group' column contains '35:99'. A modal window titled 'Select a range to generate multiple groups' is open, showing a list of age ranges: 'Between 1 and 17', 'Between 18 and 24', 'Between 25 and 34', and 'Between 35 and 99'. The 'Between 35 and 99' range is selected. Below the list, the 'Start' value is '35' and the 'End' value is '99'. The 'Groups of' value is '5'. At the bottom of the modal, it says 'Number of autogenerated groups: 13'. There are 'RESET', 'CANCEL', and 'SAVE' buttons at the bottom of the modal, with 'SAVE' highlighted. An 'AUTO GROUP' button is also visible in the top right corner of the main interface.

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Dataset Variables Geographies 6 **Cart 4** Table

Dataset: ACS 5-Year Estimates Public Use Microdata Sample (2023)

4 selected variables

HICOV >
2 of 2 values

SEX >
2 of 2 values

AGEP >
2 of 2 values

AGEP_RC1 >
4 of 4 groups

DELETE ALL VARIABLES

Recode for Age (AGEP_RC1)

Label	Group
<input checked="" type="checkbox"/> Not Elsewhere Grouped	35:99
<input checked="" type="checkbox"/> U	
<input checked="" type="checkbox"/> 1	
<input checked="" type="checkbox"/> 2	

Select a range to generate multiple groups

Between 1 and 17 Start 35

Between 18 and 24 End 99

Between 25 and 34

Between 35 and 99 Groups of 5

Number of autogenerated groups: 13

RESET CANCEL **SAVE**

AUTO GROUP

View Table

- Confirm variable selections and click the **View Table** button

The screenshot shows the United States Census Bureau data tool interface. At the top, there are navigation tabs: Dataset, Variables, Geographies (6), **Cart (4)**, and Table. Below the tabs, the dataset is identified as "ACS 5-Year Estimates Public Use Microdata Sample (2023)".

On the left, a sidebar titled "4 selected variables" lists the following variables:

- HICOV > (2 of 2 values)
- SEX > (2 of 2 values)
- AGEP > (2 of 2 values)
- AGEP_RC1 > (16 of 16 groups)**

Below the sidebar is a button labeled "DELETE ALL VARIABLES".

The main area is titled "Recode for Age (AGEP_RC1)" and features a table with columns for "Label" and "Group". All rows in the table are checked. An "AUTO GROUP" button is located in the top right corner of this section.

<input checked="" type="checkbox"/>	Label	Group		
<input checked="" type="checkbox"/>	Under 18	0,1:17		
<input checked="" type="checkbox"/>	18 to 24	18:24		
<input checked="" type="checkbox"/>	25 to 34	25:34		
<input checked="" type="checkbox"/>	Between 35 and 39	35:39		
<input checked="" type="checkbox"/>	Between 40 and 44	40:44		
<input checked="" type="checkbox"/>	Between 45 and 49	45:49		
<input checked="" type="checkbox"/>	Between 50 and 54	50:54		
<input checked="" type="checkbox"/>	Between 55 and 59	55:59		
<input checked="" type="checkbox"/>	Between 60 and 64	60:64		
<input checked="" type="checkbox"/>	Between 65 and 69	65:69		
<input checked="" type="checkbox"/>	Between 70 and 74	70:74		
<input checked="" type="checkbox"/>	Between 75 and 79	75:79		
<input checked="" type="checkbox"/>	Between 80 and 84	80:84		
<input checked="" type="checkbox"/>	Between 85 and 89	85:89		
<input checked="" type="checkbox"/>	Between 90 and 94	90:94		
<input checked="" type="checkbox"/>	Between 95 and 99	95:99		

At the bottom right, there are two buttons: "CHANGE DATASET" and **VIEW TABLE**. An orange arrow points from the "VIEW TABLE" button back to the "AGEP_RC1" variable in the sidebar.

- View variable placement in the default table layout:
 - Columns/Rows – Variables will be shown in the table. By default, the table is providing data for health insurance status and sex in the columns, and the geographies in the rows.
 - Not on Table – Variable may restrict the table universe (i.e. the population the table represents).

The screenshot shows the 'Table' configuration page in the United States Census Bureau data tool. The interface includes a navigation bar with 'Dataset', 'Variables', 'Geographies', 'Cart', and 'Table'. The dataset is 'ACS 5-Year Estimates Public Use Microdata Sample (2023)'. The 'Custom Table' configuration panel on the left shows:

- Columns:** HICOV, SEX
- Rows:** Selected Geographies
- Not on Table:** AGEP_RC1
- Cell Value Options:** AGEP

The main data table is a pivot table with the following structure:

Selected Geographies	Total	Health insurance coverage recode (HICOV)					
		With health insurance coverage			No health insurance coverage		
		Sex (SEX) <		Sex (SEX) <		Sex (SEX) <	
		Total Sex (SEX)	Male	Female	Total Sex (SEX)	Male	Female
Total	792,714	691,988	332,039	359,949	100,726	57,847	42,879
Lee County (South & ...	119,600	110,122	50,839	59,283	9,478	5,257	4,221
Lee County (North)--...	107,740	93,901	45,240	48,661	13,839	8,281	5,558
Lee County (Northea...	190,307	160,485	76,305	84,180	29,822	16,207	13,615
Lee County (Central)...	127,537	104,590	50,239	54,351	22,947	14,202	8,745
Lee County (Southea...	133,685	122,155	59,531	62,624	11,530	6,390	5,140
Lee County (North)--...	113,845	100,735	49,885	50,850	13,110	7,510	5,600

At the bottom of the configuration panel, there is a note: 'To restructure the table, drag and drop the variables into the desired location. Select Cell Value Option.' and a 'Show Totals' toggle which is currently turned on. At the bottom right of the interface, there are buttons for 'VIEW UNIVERSE' and 'DOWNLOAD/SHARE'.

■ Edit Table Layout:

- Move Selected Geographies to Columns, and AGEP_RC1 and SEX to Rows.
- This will provide the Geographies above the HICOV variable, and the SEX variable above the AGEP_RC1 recode

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Dataset Variables Geographies ⁶ Cart ⁴ **Table**

Dataset: ACS 5-Year Estimates Public Use Microdata Sample (2023)

< Custom Table

Columns (+)

HICOV x SEX x

Rows (+)

Selected Geographies x

Not on Table (+)

AGEP_RC1 x

Cell Value Options (+)

AGEP x

To restructure the table, drag and drop the variables into the desired location.

Select Cell Value Option

Count

Selected Geographies	Total	Health insurance coverage recode (HICOV)	
		With health insurance coverage	No health insurance coverage
		Sex (SEX)	Sex (SEX)
		Female	Female
Total	402,828	359,949	42,879
Lee County (South & West)--Barrier Islands Region P...	63,504	59,283	4,221
Lee County (North)--Cape Coral City (South) PUMA; ...	54,219	48,661	5,558
Lee County (Northeast)--Lehigh Acres & North Fort ...	97,795	84,180	13,615
Lee County (Central)--Greater Fort Myers City PUMA...	63,096	54,351	8,745
Lee County (Southeast)--Bonita Springs City & Ester...	67,764	62,624	5,140
Lee County (North)--Cape Coral City (North) PUMA; ...	56,450	50,850	5,600

- View Table Data:

- Click the small chevron button to collapse the panel on the left and view the table

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Dataset Variables Geographies **6** Cart **4** **Table**

Dataset: ACS 5-Year Estimates Public Use Microdata Sample (2023)

> Custom Table

Group	Recode for Age	Total	Selected Geographies											
			Lee County (Central)--Greater Fort My...			Lee County (North)--Cape Coral City (N...			Lee County (North)--Cape Coral City (S...			Lee County (Northeast)--Lehigh Acres ...		
			Total Hea...	With heal...	No health...	Total Hea...	With heal...	No health...	Total Hea...	With heal...	No health...	Total Hea...	With heal...	No health...
	Total	792,714	127,537	104,590	22,947	113,845	100,735	13,110	107,740	93,901	13,839	190,307	160,485	29,822
▼ Total Male (16)		389,886	64,441	50,239	14,202	57,395	49,885	7,510	53,521	45,240	8,281	92,512	76,305	16,207
	Under 18	69,981	12,642	10,925	1,717	11,027	10,203	824	8,847	7,604	1,243	22,762	20,757	2,005
	18 to 24	28,408	5,420	3,415	2,005	4,184	3,389	795	2,818	2,268	550	7,519	5,352	2,167
	25 to 34	41,792	8,590	5,373	3,217	5,520	3,713	1,807	6,061	4,165	1,896	10,973	7,094	3,879
	Between 35 and 39	22,318	5,014	2,796	2,218	3,976	2,932	1,044	2,543	1,846	697	5,318	3,254	2,064
	Between 40 and 44	20,521	4,173	2,404	1,769	2,632	1,994	638	3,207	2,538	669	5,347	3,719	1,628
	Between 45 and 49	20,933	3,330	2,197	1,133	3,677	3,017	660	3,315	2,852	463	5,008	3,676	1,332
	Between 50 and 54	23,017	3,992	3,110	882	3,705	3,115	590	3,985	2,823	1,162	5,826	4,462	1,364
	Between 55 and 59	25,760	4,200	3,321	879	4,739	4,022	717	4,249	3,291	958	5,390	4,331	1,059
	Between 60 and 64	27,509	3,608	3,352	256	4,217	3,900	317	4,039	3,506	533	5,770	5,099	671
	Between 65 and 69	28,473	3,659	3,628	31	4,017	3,926	91	4,355	4,355	0	4,982	4,958	24
	Between 70 and 74	29,297	3,917	3,876	41	3,747	3,720	27	3,669	3,570	99	4,944	4,942	2
	Between 75 and 79	26,159	3,142	3,142	0	3,159	3,159	0	3,114	3,114	0	4,860	4,860	0
	Between 80 and 84	13,825	1,337	1,318	19	1,510	1,510	0	1,837	1,826	11	1,980	1,968	12

Outline

- Microdata Overview
- MDAT Demo
- **Resources for Learning More**

data.census.gov Updates

Visit our updates page here:
<https://www.census.gov/data/what-is-data-census.gov/developmental-update.html>

The screenshot shows the 'data.census.gov Updates' page. At the top, there is a breadcrumb trail: // Census.gov / Data / data.census.gov Resources / data.census.gov Updates. The main heading is 'data.census.gov Updates'. Below the heading are social media share buttons for Facebook, X (Twitter), and LinkedIn. A navigation bar shows years from 2020 to 2025, with 2025 selected. The '2025' section is expanded, showing a sub-section for 'April'. Under 'April', it states: 'On April 29, we released the following updates to the site:' followed by a list of updates: 'Enhancements to the Microdata Access Tool, including' and 'Improved messaging:'. A sub-bullet point states: 'The landing page provides better instruction on how to access tables using links that you have previously saved using the Beta version of MDAT.' Below this text is a screenshot of the data.census.gov interface. The interface shows the 'United States Census Bureau' logo and navigation tabs for 'Dataset', 'Variables', 'Geographies', 'Cart', and 'Table'. The 'Dataset' tab is active, and the heading 'Select a Data' is visible. A modal window is open, titled 'Enter your saved link from MDAT Beta', with a close button (X) in the top right corner.