

# Data.census.gov Update and Introduction to Microdata Access

Arizona SDC Virtual Annual Meeting  
September 15, 2020

KaNin Reese  
Center for Enterprise Dissemination (CED)  
U.S. Census Bureau

# data.census.gov Update

## Next code release (10/20):

- Focus on spring 2021 Decennial data release
- Webpage Search
- Addressed data user feedback

## American FactFinder Aftermath:

- Significant increase in the number of site visits, page views, and user feedback since September with an April peak. Decline this summer is on par with AFF usage.
- Majority feedback continues to be complaints (46.9%), but August had about 20 percentage points fewer complaints than April (66.8%).
- Social media is less than 10% of the feedback (9.6%), but the public reach is far more damaging when negative.
- Encourage sending all questions to [cedsci.feedback@census.gov](mailto:cedsci.feedback@census.gov)

# Top 10 Feedback: April - August 2020

1. Data Availability	795	16.6%
Missing ACS data	433	54.5%
Other Data Availability (e.g. availability questions for migrated data, datasets/surveys/programs not yet available on the site)	126	15.8%
Missing Decennial data	86	10.8%
Missing Econ data	80	10.1%
Missing PEP data	70	8.8%
2. Navigation	601	12.5%
Site not intuitive/Can't navigate the site	376	62.6%
Navigation Instructions	156	26.0%
General Navigation Issues	58	9.7%
Lack of availability due to filter selections	11	1.8%

3. Filtering	391	8.1%
Can't locate ZCTAs for ACS	137	35.0%
Filter panel is inconsistent	131	33.5%
General Filtering Issues	58	14.8%
Confusion about use of summary levels	25	6.4%
Other defects with filters	23	5.9%
Filter selection not appearing in list	11	2.8%
Unable to find Geo Components	6	1.5%

4. Download	296	6.2%
Don't like download format	126	42.6%
Download fails	73	24.7%
General download issues	64	21.6%
Bulk download capability needed	18	6.1%
Download defects	8	2.7%
Download instructions needed	7	2.4%

5. Performance	290	6.0%
Site moves slow/lags/freezes/doesn't load	128	44.1%
Support ID/Reference IDs	58	20.0%
Other performance issues	57	19.7%
White Screens	47	16.2%

6. Pseudo Geos	205	4.3%
Request more pseudos for ZCTAs	101	49.3%
Request more pseudos for tracts	36	17.6%
Request more pseudos for other geos	36	17.6%
Request more pseudos for Blocks/Block Groups	21	10.2%
Defects for pseudo geos	14	6.8%
Request more pseudos for places	4	2.0%
Other Pseudo Geos	1	0.5%

7. Printing	157	3.3%
Specifically wants PDF functionality	86	54.8%
Wants to print table or map	68	43.3%
Presentable documents to be shared or printed in full	8	5.1%
Other printing issues	1	0.6%

8. Address Search	149	3.1%
Integrated address search	149	100%

9. Search Relevancy	83	1.7%
Other search relevancy issues	57	68.7%
Disagree with table return order/Irrelevant tables	20	24.1%
Entity recognition not properly distinguishing search terms	3	3.6%
Problems with single search	2	2.4%
Tagging Issue	1	1.2%

10. Mapping	61	1.3%
Want improved functionality (i.e., draw radius using address)	36	59.0%
Don't know how to use mapping	10	16.4%
Defects with mapping	7	11.5%
Other mapping issues	7	11.5%

Total Feedback: 4801  
 Total Top 10 Feedback: 3028  
 Top 10 Percentage: 63.1%

Shape  
your future  
START HERE >

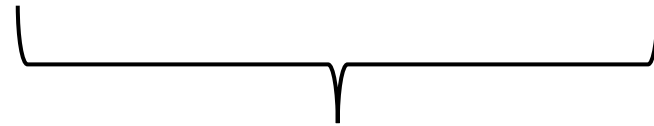
United States<sup>®</sup>  
Census  
2020

# Microdata Access (MDAT)

- Microdata Access at [data.census.gov/mdat](https://data.census.gov/mdat) (internally known as MDAT) replaced DataFerrett in 2019
  - ❖ Tool that helps you to create tabulations using Census public use microdata without programming or statistical software
  - ❖ DataFerrett was decommissioned June 30<sup>th</sup>
- Phase 1 of development has finished. Continue to work on data migration
- Currently planning Phase 2: Integration with [data.census.gov](https://data.census.gov)
  - Search
  - Code Base

# Microdata = PUMS Files

## Public Use Microdata

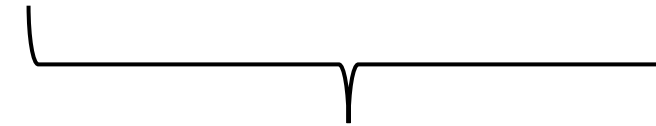


### **Anonymized**

- No personally identifiable information
- Edits to protect confidentiality

### **Accessible**

- [data.census.gov/mdat](https://data.census.gov/mdat)
- Application Programming Interface (API)
- Download through FTP sites



### **Individual Responses**

- Must be tabulated and weighted by user

# Tabulated Data vs. Microdata: What's the Difference?

	Louisiana	
	Estimate	Margin of Error
∨ Total:	2,020,951	+/-14,211
∨ Male:	1,029,736	+/-9,995
∨ Management, business, science, and arts occupations:	289,129	+/-6,989
∨ Management, business, and financial occupations:	126,805	+/-5,330
∧ Management occupations:	99,359	+/-4,708
∧ Business and financial operations occupations:	27,446	+/-2,465
∨ Computer, engineering, and science occupations:	57,290	+/-4,110
∧ Computer and mathematical occupations:	18,459	+/-2,169
∧ Architecture and engineering occupations:	30,797	+/-3,039

**Aggregated tables for a geography:**  
 “In 2016 in Louisiana, approximately 18,459 males worked in computer and mathematical occupations.”

RT	SERIALNO	SPORDER	ST	SEX	OCCP
P	267855		2	22	1 6600
P	267870		1	22	2 1020
P	267870		2	22	1 1030
P	267913		1	22	2 430
P	267913		2	22	1 9620
P	268097		1	22	2 4110
P	268097		2	22	1 6260

**Microdata (a set of edited survey responses):**  
 “This male in Louisiana is a web developer.”

# Available Geographies

## ACS Available Geographies

Nation

Region

Division

State

Public Use Microdata Area (PUMA)

## CPS Available Geographies

Nation

State

County (available only for the basic CPS)

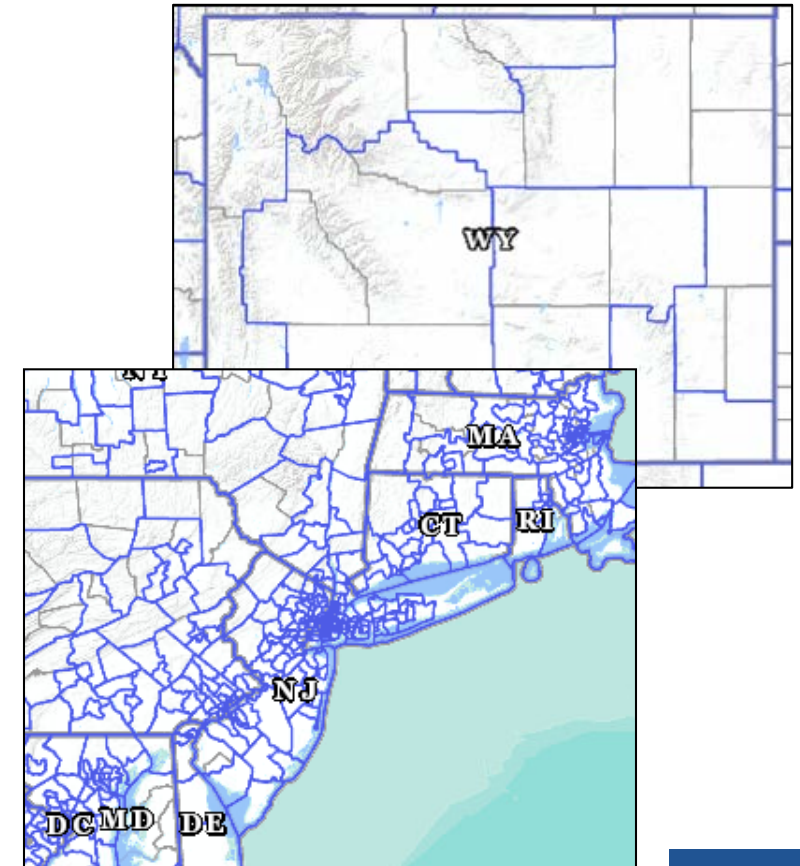
# Public Use Microdata Areas (PUMA)

## 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

## Selecting PUMAs in Microdata Access:

- MDAT geography dropdown
- Visualized through TIGERweb: [tigerweb.geo.gov](https://tigerweb.geo.gov).



Shape  
your future  
START HERE >

United States<sup>®</sup>  
Census  
2020



# Microdata Access Basics

- Only use this tool to create tabulations if a pre-tabulated Census table is **NOT** available.
- Only available for **large geographies** like states and sometimes PUMAs (about 100,000 people)
- Creates tables on the **variable level** so a program or survey data dictionary is handy to know those definitions
  - Most questions we receive are survey/variable questions

# Demo

Example 1:

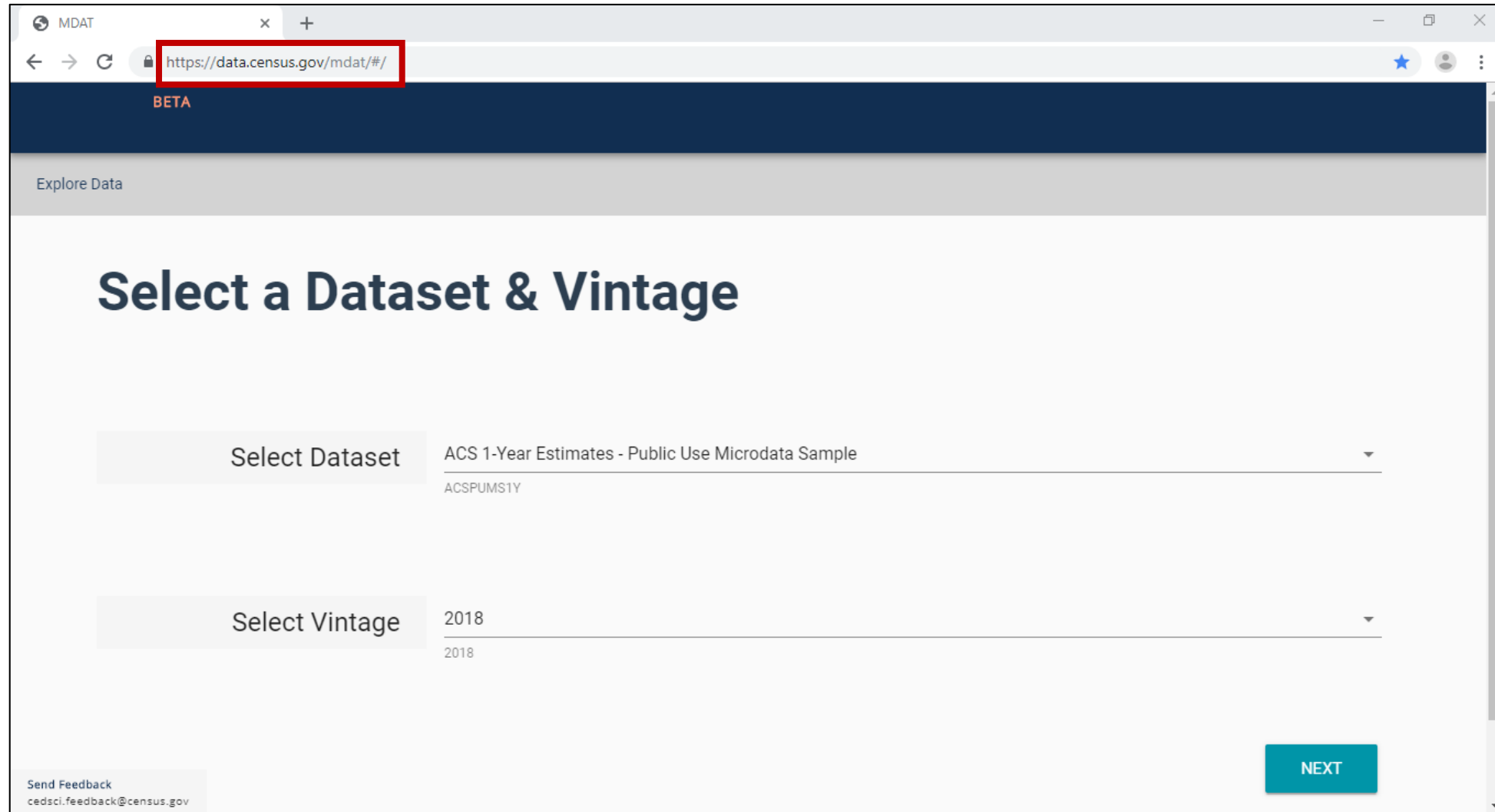
Female Hispanic population 50 and over in Arizona

# Table B01001I – Sex by Age (Hispanic or Latino)

	Arizona	
Label	Estimate	Margin of Error
35 to 44 years	156,080	±1,782
45 to 54 years	123,016	±1,564
55 to 64 years	85,313	±544
65 to 74 years	46,357	±526
75 to 84 years	19,958	±1,056
85 years and over	4,527	±945
▼ Female:	1,125,581	±1,355
Under 5 years	96,428	±822
5 to 9 years	97,440	±4,844
10 to 14 years	104,095	±4,877
15 to 17 years	59,352	±953
18 and 19 years	41,690	±1,019
20 to 24 years	97,419	±1,102
25 to 29 years	90,897	±845
30 to 34 years	78,496	±1,017
35 to 44 years	151,863	±1,419
45 to 54 years	126,829	±1,375
55 to 64 years	91,843	±488
65 to 74 years	54,197	±764
75 to 84 years	25,001	±1,521

Tabulated ACS tables in data.census.gov do not provide data for the Hispanic population aged 50 years or older, but we can create a custom table for this using Microdata Access.

- Visit Microdata Access at [data.census.gov/mdat](https://data.census.gov/mdat)



- Choose Dataset and Vintage:
  - Dataset – ACS 1-Year Estimates – Public Use Microdata Sample
  - Vintage – 2018
  - Click **Next** in the lower right

## Select a Dataset & Vintage

Select Dataset ACS 1-Year Estimates - Public Use Microdata Sample  
ACSPUMS1Y

Select Vintage 2018  
2018

**NEXT**

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

BETA

Explore Data/ Microdata/ Custom Table

**SELECT VARIABLES** SELECT GEOGRAPHIES DATA CART (0) TABLE LAYOUT DOWNLOAD

filter by Topic

Search is not enabled in this beta version

SEARCH

Showing 214 of 507 Variables

Select at least one variable to start

	Variable	Label	Number of Values	Type	
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="3) Edited Items, Estimate, Recodes"/>	
<input type="checkbox"/>	AGEP	Age	2	Estimate	<a href="#">▼ DETAILS</a>
<input type="checkbox"/>	ANC	Ancestry categorization	5	Edited Items	<a href="#">▼ DETAILS</a>
<input type="checkbox"/>	DRIVESP	Number of vehicles calculated from JWRI	7	Estimate	<a href="#">▼ DETAILS</a>
<input type="checkbox"/>	FES	Family type and employment status	9	Estimate	<a href="#">▼ DETAILS</a>
<input type="checkbox"/>	FPARC	Presence, age of related children	5	Recodes	<a href="#">▼ DETAILS</a>
<input type="checkbox"/>	GRPIP	Gross rent as a percentage of household income past 12 months	3	Estimate	<a href="#">▼ DETAILS</a>
<input type="checkbox"/>	HISP	Hispanic recode	24	Recodes	<a href="#">▼ DETAILS</a>
<input type="checkbox"/>	JWAP	Time of arrival at work categorization	286	Edited Items	<a href="#">▼ DETAILS</a>
<input type="checkbox"/>	JWDP	Time of departure for work - hour and minute	151	Estimate	<a href="#">▼ DETAILS</a>
<input type="checkbox"/>	JWMNP	Travel time to work	2	Estimate	<a href="#">▼ DETAILS</a>
<input type="checkbox"/>	JWVDP	Vehicle categorization	11	Estimate	<a href="#">▼ DETAILS</a>

Dataset: ACS 1-Year Estimates - Public Use Microdata Sample (2018) [CHANGE](#)

[VIEW TABLE](#)

## ■ Select variable for Hispanic:

- Type "HISP" in the Variable search box or type "Hispanic" in the label search box
- Click **Details** to browse information about this variable
- Check the box to the left of HISP to add the variable to your data cart

The screenshot shows the 'SELECT VARIABLES' tab in the Census Data Explorer. The interface displays a table of variables with the following columns: Variable, Label, Number of Values, and Type. The variable 'HISP' is selected, and its details are expanded. The 'Variable' search box contains 'hisp', the 'Label' search box contains 'hispanic', and the 'DETAILS' button is highlighted. The 'Description' field shows 'Hispanic recode Variable Universe Description: ALL'. The 'Values' field lists categories: 01 -- Not Spanish/Hispanic/Latino, 02 -- Mexican, 03 -- Puerto Rican, 04 -- Cuban, 05 -- Dominican, and 06 -- Costa Rican. The dataset is identified as 'ACS 1-Year Estimates - Public Use Microdata Sample (2018)'.

Variable	Label	Number of Values	Type
<input checked="" type="checkbox"/> HISP	Hispanic recode	24	Recodes

**Description:**  
Hispanic recode Variable Universe Description: ALL

**Values:**

- 01 -- Not Spanish/Hispanic/Latino
- 02 -- Mexican
- 03 -- Puerto Rican
- 04 -- Cuban
- 05 -- Dominican
- 06 -- Costa Rican

Dataset: ACS 1-Year Estimates - Public Use Microdata Sample (2018) [CHANGE](#) [VIEW TABLE](#)

- **Select variable for Sex:**
  - Type "SEX" in the Variable search box or type "Sex" in the label search box
  - Click **Details** to browse information about this variable
  - Check the box to the left of Sex to add the variable to your data cart

The screenshot shows a web interface for exploring data. At the top, there are navigation tabs: "SELECT VARIABLES" (highlighted), "SELECT GEOGRAPHIES", "DATA CART (2)", "TABLE LAYOUT", and "DOWNLOAD". Below these is a search bar with the text "filter by Topic" and a "SEARCH" button. A message states "Search is not enabled in this beta version".

The main area displays "Showing 1 of 507 Variables" and "Selected: 2 variables (2 columns, 24 rows)". A table lists the selected variable:

Variable	Label	Number of Values	Type
<input checked="" type="checkbox"/> SEX	Sex	2	Edited Items, Estimate, Recodes

Below the table, there is a "Description" section for "SEX" and a "Values" section listing "1 -- Male" and "2 -- Female". A red box highlights the "DETAILS" link next to the variable row, with a red arrow pointing to it.

At the bottom, the dataset is identified as "ACS 1-Year Estimates - Public Use Microdata Sample (2018)" with a "CHANGE" link. A "VIEW TABLE" button is also present.



## ■ Select variable for Age:

- Type "AGEP" in the Variable search box or type "Age" in the label search box
- Check the box to the left of AGEP to add the variable to your data cart
- Notice the message at the top of the screen saying you will need to create your own categories (or recodes) for this variable if you want it shown in the table. (you will do this action in the Data Cart)

! This variable is continuous and can only go to "Values in table cells". Create a group (recode) to use elsewhere. "Age (AGEP)"

SELECT VARIABLES SELECT GEOGRAPHIES DATA CART (3) TABLE LAYOUT DOWNLOAD

filter by Topic

Search is not enabled in this beta version

SEARCH

Showing 1 of 507 Variables

Selected: 3 variables (2 columns, 24 rows)

Variable	Label	Number of Values	Type
<input checked="" type="checkbox"/> agep	age	2	(3) Edited Items, Estimate, Recodes
AGEP	Age		Estimate

[^ DETAILS](#)

**Description:**  
Age

**Values:**

- 1 to 99 -- 1 to 99 years (Top-coded\*\*\*)
- 00 -- Under 1 year

- **Select geography:**
  - Click the **SELECT GEOGRAPHIES** tab
  - Click **State** and check the box for **Arizona**

The screenshot shows the 'SELECT GEOGRAPHIES' tab in a web application. The 'GEOGRAPHIES' sidebar on the left has 'State' selected. The 'STATE' list on the right includes 'Arizona' with a checked checkbox. A red box highlights the 'SELECT GEOGRAPHIES' tab, another red box highlights the 'State' option, and a third red box highlights the 'Arizona' checkbox. Below the list, 'Arizona' is shown as a selected item with a close button. At the bottom, the dataset is identified as 'ACS 1-Year Estimates - Public Use Microdata Sample (2018)' with a 'CHANGE' link and a 'VIEW TABLE' button.

## ■ Limit your universe:

- Click the **Data Cart** tab
- Click the **HISP** variable on the left
- Uncheck the box for **Not Spanish/Hispanic/Latino** (This action allows you to limit the universe to Hispanics)

The screenshot shows the 'Data Cart (3)' interface. On the left, under 'Selected Variables (3)', the 'HISP' variable is highlighted with a red box. On the right, the 'Hispanic recode (HISP)' table is shown with a red box around the 'Not Spanish/Hispanic/Latino' row, which has an unchecked checkbox in the 'Include in Universe' column. The table lists various Hispanic subgroups with their corresponding values and checked checkboxes.

Include in Universe	Response Label	Value
<input type="checkbox"/>	Not Spanish/Hispanic/Latino	01
<input checked="" type="checkbox"/>	Mexican	02
<input checked="" type="checkbox"/>	Puerto Rican	03
<input checked="" type="checkbox"/>	Cuban	04
<input checked="" type="checkbox"/>	Dominican	05
<input checked="" type="checkbox"/>	Costa Rican	06
<input checked="" type="checkbox"/>	Guatemalan	07
<input checked="" type="checkbox"/>	Honduran	08
<input checked="" type="checkbox"/>	Nicaraguan	09
<input checked="" type="checkbox"/>	Panamanian	10
<input checked="" type="checkbox"/>	Salvadoran	11
<input checked="" type="checkbox"/>	Other Central American	12

Dataset: ACS 1-Year Estimates - Public Use Microdata Sample (2018) [CHANGE](#) [VIEW TABLE](#)

## ■ Categorize (recode) your variable:

- Click the **AGEP** variable on the left
- Click **Create Custom Group** to begin specifying your age categories (e.g. 0-49; 50 and over)

The screenshot shows the 'Explore Data / Microdata / Custom Table' interface. The 'DATA CART (3)' tab is active, displaying three selected variables: AGEP (2 of 2 responses), SEX (2 of 2 responses), and HISP (23 of 24 responses). The AGEP variable is highlighted with a red box. To the right, the 'Age (AGEP)' configuration panel is shown, featuring a '+ CREATE CUSTOM GROUP' button (also highlighted with a red box) and a table for defining response labels and values. The table includes a 'Value' column and a slider for range selection.

Include in Universe	Response Label	Value
<input checked="" type="checkbox"/>	1 to 99 years (Top-coded***)	1 ————— 99
<input checked="" type="checkbox"/>	Under 1 year	00

Dataset: ACS 1-Year Estimates - Public Use Microdata Sample (2018) [CHANGE](#) [VIEW TABLE](#)

## ■ Categorize (recode) your variable:

- Click into **Group label** and type a label for the first category you want to create (e.g. 0-49)
- Check the box next to both relevant response categories for this code (1 to 99 years and under 1 year)
- Edit the end range of age from 99 to **49**
- Click **Save Group**

Explore Data/ Microdata/ Custom Table

SELECT VARIABLES SELECT GEOGRAPHIES **DATA CART (4)** TABLE LAYOUT DOWNLOAD

Selected Variables (4)

- AGEP  
2 of 2 responses
- SEX  
2 of 2 responses
- HISP  
23 of 24 responses
- AGEP\_RC1**  
1 of 1 responses

### Age recode

**AUTO GROUP**

Age 0-49  Show on table

Group Label  
Age 0-49

<input checked="" type="checkbox"/> Add to Group	Response Label	Value
<input checked="" type="checkbox"/>	1 to 99 years (Top-coded***)	1 <input type="text" value="49"/>
<input checked="" type="checkbox"/>	Under 1 year	00

**CANCEL** **SAVE GROUP**

Dataset: ACS 1-Year Estimates - Public Use Microdata Sample (2018) [CHANGE](#) **VIEW TABLE**

- **Categorize (recode) your variable:**
  - Your first category Age 0-49 appears just below “Not Elsewhere Classified”
  - Click **Edit Group** for “Not Elsewhere Classified” to verify and rename the category

Explore Data/ Microdata/ Custom Table

SELECT VARIABLES SELECT GEOGRAPHIES **DATA CART (4)** TABLE LAYOUT DOWNLOAD

#### Selected Variables (4)

AGEP

2 of 2 responses



SEX

2 of 2 responses



HISP

23 of 24 responses



AGEP\_RC1

2 of 2 responses



#### Age recode

AUTO GROUP

Not Elsewhere Classified

VALUES: 50:99

EDIT GROUP

Age 0-49

VALUES: 1:49,00

EDIT GROUP

Dataset: ACS 1-Year Estimates - Public Use Microdata Sample (2018)

[CHANGE](#)

[VIEW TABLE](#)

- **Categorize (recode) your variable:**
  - Click into **Group Label** and rename the category (e.g. Age 50+)
  - Click **Save Group** in the lower right

Explore Data / Microdata / Custom Table

SELECT VARIABLES   SELECT GEOGRAPHIES   **DATA CART (4)**   TABLE LAYOUT   DOWNLOAD

Selected Variables (4)

- AGEP  
2 of 2 responses
- SEX  
2 of 2 responses
- HISP  
23 of 24 responses
- AGEP\_RC1**  
2 of 2 responses

### Age recode

**AUTO GROUP**

Age 50+ Show on table

Group Label  
Age 50+

<input type="checkbox"/> Add to Group	Response Label	Value
<input type="checkbox"/>	Between 50 and 99	50  99

**CANCEL**   **SAVE GROUP**

Age 0-49  
VALUES: 1:49,00 **EDIT GROUP**

Dataset: ACS 1-Year Estimates - Public Use Microdata Sample (2018) **CHANGE** **VIEW TABLE**

- Confirm variable selections
  - Confirm variable selections and click the **Table Layout** tab

Selected Variables (4)

**AGEP**  
2 of 2 responses

**SEX**  
2 of 2 responses

**HISP**  
23 of 24 responses

**AGEP\_RC1**  
2 of 2 responses

 **Age recode**

**AUTO GROUP**

**Age 50+**  
VALUES: 50:99

**EDIT GROUP**

**Age 0-49**  
VALUES: 1:49, 00

**EDIT GROUP**



- **View variable placement in the default table layout:**
  - **Values in table cells Options** – When variables are shown here, you have more options to choose from in the drop down menu for “Values in table cells”
  - **Columns/Rows – Variables will be shown in the table.** By default, the table is providing data by geography (Arizona) for each detailed Hispanic group (Mexican, Puerto Rican, etc.) in the rows. Sex is provided in the column. Sex is provided in the column.
  - **Not on Table – Can restrict the universe.** By default, AGEP\_RC1 is not on the table, and it does not restrict the universe because the recode includes ages for all people (0-49 and 50+)

SELECT VARIABLES   SELECT GEOGRAPHIES   DATA CART (4)   **TABLE LAYOUT**   DOWNLOAD

**Custom Table**

"Values in table cells" Options (1)  
Determines order in list; cannot move to row/column

AGEP 2 of 2 responses

Columns (1)  
2 columns (maximum 400)

SEX 2 of 2 responses

Rows (2)  
23 rows (maximum 2000)

SELECTED GEOGRAPHIES 1 of 1 responses

HISP 23 of 24 responses

Not on table (1)  
(may restrict the sample universe)

AGEP\_RC1 2 of 2 responses

**Table Preview**

Drag and drop variables between sections on the left; see results on table layout below.

Values in table cells: Universe: selected geographies: Arizona; Hispanic recode (HISP): all except: Not Spanish/Hispanic/Latino

Average of Age (AGEP) ▼

Hispanic recode (HISP)	Sex (SEX)	
	Male	Female
▼ Arizona (23)		
Mexican	???	???
Puerto Rican	???	???
Cuban	???	???
Dominican	???	???
Costa Rican	???	???
Guatemalan	???	???
Honduran	???	???
Nicaraguan	???	???

- Edit Table Layout:
  - Move Selected Geography to Columns:
    - **Click, hold and drag Selected Geographies on the left side of the page up to the columns heading.** This will give you a table layout similar to prefabricated ACS tables on data.census.gov, where each geography has its own column

SELECT VARIABLES   SELECT GEOGRAPHIES   DATA CART (4)   **TABLE LAYOUT**   DOWNLOAD

### Custom Table

"Values in table cells" Options (1)  
Determines order in list; cannot move to row/column

AGEP 2 of 2 responses

**Columns (1)** 2 columns (maximum 400)

SEX 2 of 2 responses

Rows (2) 23 rows (maximum 2000)

**SELECTED GEOGRAPHIES** 1 of 1 responses

**SELECTED GEOGRAPHIES** 1 of 1 responses

HISP 23 of 24 responses

Not on table (1)  
(may restrict the sample universe)

AGEP\_RC1 2 of 2 responses

### Table Preview

Drag and drop variables between sections on the left; see results on table layout below.

Values in table cells: Average of Age (AGEP)

Universe: selected geographies: Arizona; Hispanic recode (HISP): all except: Not Spanish/Hispanic/Latino

Hispanic recode (HISP)	Sex (SEX)	
	Male	Female
Arizona (23)		
Mexican	???	???
Puerto Rican	???	???
Cuban	???	???
Dominican	???	???
Costa Rican	???	???
Guatemalan	???	???
Honduran	???	???
Nicaraguan	???	???

## ■ Edit Table Layout:

- **Move AGEP\_RC1 to Rows:** This will add categories in our table row for the population 0-49 and 50+
- **Move HISP to Not on Table:** This will limit our universe to the Hispanic population (since we unchecked the box in the data cart for value 01 – Not Hispanic or Latino). Putting this in “Not in table” restricts our universe without providing detailed breakouts for each Hispanic category (Mexican, Puerto Rican, etc).

SELECT VARIABLES   SELECT GEOGRAPHIES   DATA CART (4)   **TABLE LAYOUT**   DOWNLOAD

### Custom Table

"Values in table cells" Options (1)  
Determines order in list; cannot move to row/column

AGEP 2 of 2 responses

Columns (2)  
2 columns (maximum 400)

SELECTED GEOGRAPHIES 1 of 1 responses

SEX 2 of 2 responses

Rows (1)  
23 rows (maximum 2000)

**HISP** 23 of 24 responses

Not on table (1)  
(may restrict the sample universe)

**AGEP\_RC1** 2 of 2 responses

### Table Preview

Drag and drop variables between sections on the left; see results on table layout below.

Values in table cells: Average of Age (AGEP)

Universe: selected geographies: Arizona; Hispanic recode (HISP): all except: Not Spanish/Hispanic/Latino

Hispanic recode	Selected Geographies	
	Male	Female
Mexican	???	???
Puerto Rican	???	???
Cuban	???	???
Dominican	???	???
Costa Rican	???	???
Guatemalan	???	???

- Choose type of values in table cells
  - Change the “Value in table cells” option from Average of Age (AGEP) to **Count**. This will give you data for the total number of female Hispanics age 0-49 and 50+ in Arizona

**Custom Table**

“Values in table cells” Options (1)

Determines order in list; cannot move to row/column

AGEP 2 of 2 responses

Columns (2)

2 columns (maximum 400)

SELECTED GEOGRAPHIES 1 of 1 responses

SEX 2 of 2 responses

Rows (1)

2 rows (maximum 2000)

AGEP\_RC1 2 of 2 responses

Not on table (1)

(may restrict the sample universe)

HISP 23 of 24 responses

Table Preview

Drag and drop variables between sections on the left; see results on table layout below.

Values in table cells:

Count

Average of Age (AGEP)

Universe: selected geographies: Arizona; Hispanic recode (HISP): all except: Not Spanish/Hispanic/Latino

Age recode	Sex (SEX)	
	Male	Female
Age 50+	???	???
Age 0-49	???	???

- **Confirm Table Layout:**
  - Confirm table layout and click **View Table** in the lower right

SELECT VARIABLES   SELECT GEOGRAPHIES   DATA CART (4)   **TABLE LAYOUT**   DOWNLOAD

### Custom Table

"Values in table cells" Options (1)  
Determines order in list; cannot move to row/column

AGEP 2 of 2 responses

Columns (2)  
2 columns (maximum 400)

SELECTED GEOGRAPHIES 1 of 1 responses

SEX 2 of 2 responses

Rows (1)  
2 rows (maximum 2000)

AGEP\_RC1 2 of 2 responses

Not on table (1)  
(may restrict the sample universe)

HISP 23 of 24 responses

### Table Preview

Drag and drop variables between sections on the left; see results on table layout below.

Values in table cells: Count   Universe: selected geographies: Arizona; Hispanic recode (HISP): all except: Not Spanish/Hispanic/Latino

Show Total

Age recode	Selected Geographies		
	Arizona		
	Sex (SEX)		
	Total Sex (SEX)	Male	Female
???	0	0	0
Age 50+	???	???	???
Age 0-49	???	???	???

Dataset: ACS 1-Year Estimates - Public Use Microdata Sample (2018) [CHANGE](#) VIEW TABLE

## View Table:

- There were an estimated 241,078 female Hispanic people age 50 and older in Arizona in 2018
- There were an estimated 885,009 female Hispanic people between ages 0 and 49 in AZ in 2018

**Custom Table** CUSTOMIZE VARIABLES DOWNLOAD / SHARE DETAILS

Dataset: ACS 1-Year Estimates - Public Use Microdata Sample [CHANGE DATASET](#) Geography: 1 geographies selected [CHANGE GEOGRAPHY](#)

Vintage: 2018 Weighting: PUMS person weight

On Columns: Selected Geographies, SEX  
On Rows: AGEP\_RC1  
Not on Table: HISP, "Values in table cells" Options, AGEP

Values in table cells: Universe: selected geographies: Arizona; Hispanic recode (HISP): all except: Not Spanish/Hispanic/Latino

Count

Show Total

	Selected Geographies			
	Arizona			
Age recode	Total Sex (SEX)	Male	Female	
Total (2)	2,266,801		1,140,714	1,126,087
Age 50+	452,289		211,211	241,078
Age 0-49	1,814,512		929,503	885,009

Send Feedback  
cedsci.feedback@census.gov

# Demo

Example 2:

Uninsured People Ages 40 and Over in the United States

# Table 2 – Uninsured by Age

Table 2.  
Percentage of People by Type of Health Insurance Coverage by Age: 2017 and 2018

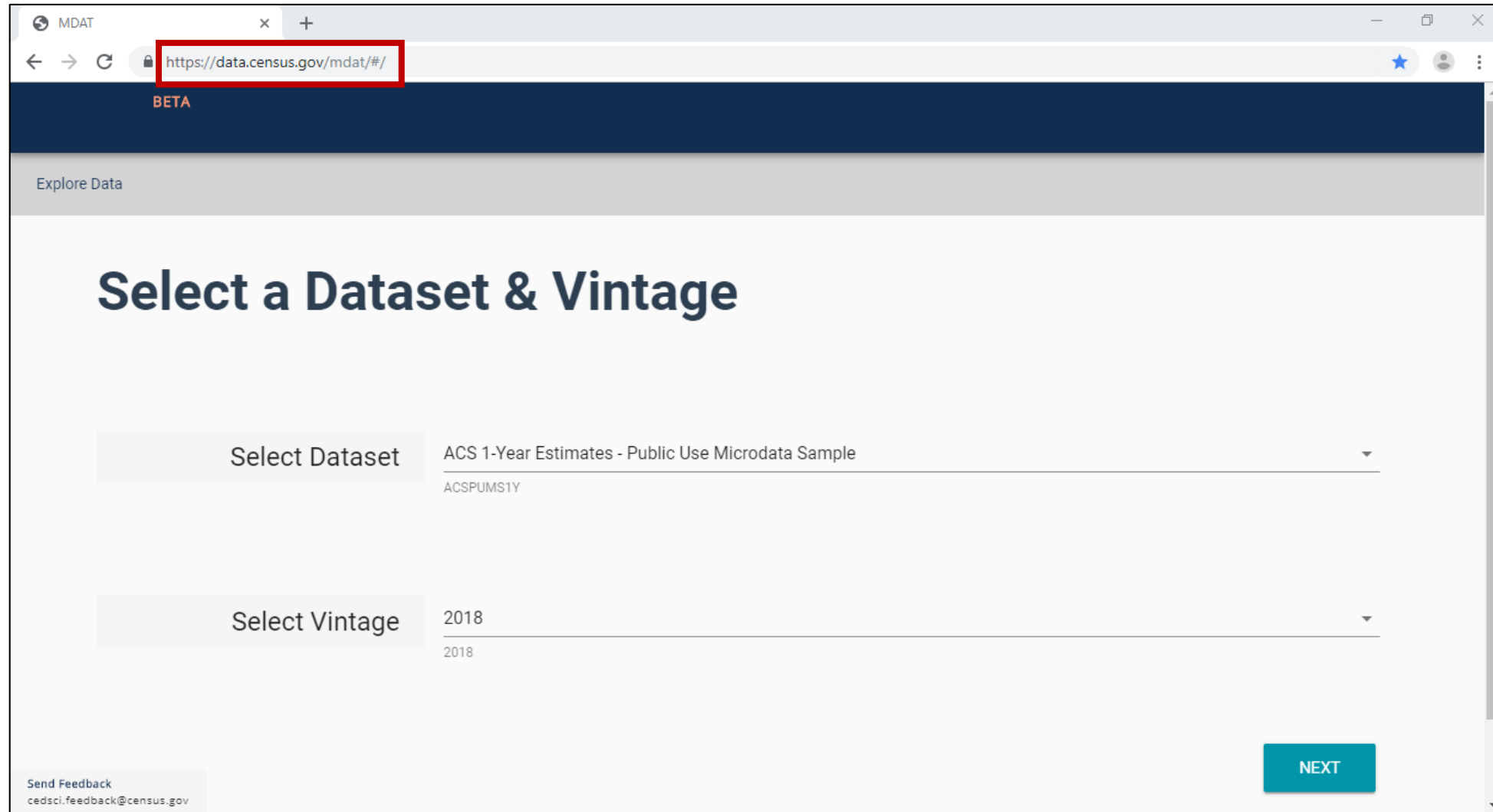
(Numbers in thousands. Margins of error in percentage points. Population as of March of the following year. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see <<https://www2.census.gov/programs-surveys/cps/techdocs/cpsmar19.pdf>>)

Characteristic	Total																					
	2017	2018	Any health insurance													Uninsured <sup>5</sup>						
			2017		2018		Change (2018 less 2017) <sup>1,*</sup>	Private health insurance <sup>3</sup>			Public health insurance <sup>4</sup>			Change (2018 less 2017) <sup>1,*</sup>	2017		2018		Change (2018 less 2017) <sup>1,*</sup>			
	Per- cent	Margin of error <sup>2</sup> (±)	Per- cent	Margin of error <sup>2</sup> (±)	Per- cent	Margin of error <sup>2</sup> (±)		Per- cent	Margin of error <sup>2</sup> (±)	Per- cent	Margin of error <sup>2</sup> (±)	Per- cent	Margin of error <sup>2</sup> (±)		Per- cent	Margin of error <sup>2</sup> (±)	Per- cent	Margin of error <sup>2</sup> (±)				
	Number	Number	Per- cent	Margin of error <sup>2</sup> (±)	Per- cent	Margin of error <sup>2</sup> (±)	Change (2018 less 2017) <sup>1,*</sup>	Per- cent	Margin of error <sup>2</sup> (±)	Per- cent	Margin of error <sup>2</sup> (±)	Change (2018 less 2017) <sup>1,*</sup>	Per- cent	Margin of error <sup>2</sup> (±)	Per- cent	Margin of error <sup>2</sup> (±)	Change (2018 less 2017) <sup>1,*</sup>	Per- cent	Margin of error <sup>2</sup> (±)	Per- cent	Margin of error <sup>2</sup> (±)	Change (2018 less 2017) <sup>1,*</sup>
<b>Total .....</b>	<b>322,490</b>	<b>323,668</b>	<b>92.1</b>	<b>0.2</b>	<b>91.5</b>	<b>0.2</b>	<b>*-0.5</b>	<b>67.7</b>	<b>0.3</b>	<b>67.3</b>	<b>0.4</b>	<b>-0.4</b>	<b>34.8</b>	<b>0.3</b>	<b>34.4</b>	<b>0.3</b>	<b>*-0.4</b>	<b>7.9</b>	<b>0.2</b>	<b>8.5</b>	<b>0.2</b>	<b>*0.5</b>
<b>Age</b>																						
Under age 65 .....	271,424	270,881	90.8	0.2	90.0	0.2	*-0.7	70.3	0.4	70.2	0.4	-0.1	23.6	0.3	22.8	0.3	*-0.8	9.2	0.2	10.0	0.2	*0.7
Under age 19 <sup>6</sup> .....	77,487	77,333	95.0	0.3	94.5	0.3	*-0.6	61.6	0.6	61.8	0.7	0.2	37.0	0.6	35.7	0.7	*-1.3	5.0	0.3	5.5	0.3	*0.6
Aged 19 to 64 .....	193,937	193,548	89.0	0.2	88.3	0.3	*-0.8	73.8	0.4	73.5	0.4	-0.2	18.3	0.3	17.6	0.3	*-0.6	11.0	0.2	11.7	0.3	*0.8
Aged 19 to 25 <sup>7</sup> .....	29,811	29,297	86.3	0.6	85.7	0.6	-0.7	70.0	0.8	69.9	0.9	-0.1	18.8	0.7	18.3	0.7	-0.5	13.7	0.6	14.3	0.6	0.7
Aged 26 to 34 .....	40,222	40,768	86.0	0.5	86.1	0.5	Z	70.4	0.7	71.3	0.8	1.0	18.5	0.6	17.5	0.6	*-1.0	14.0	0.5	13.9	0.5	Z
Aged 35 to 44 .....	40,662	41,027	88.6	0.4	87.5	0.5	*-1.0	75.0	0.6	73.7	0.6	*-1.2	16.3	0.6	16.2	0.5	Z	11.4	0.4	12.5	0.5	*1.0
Aged 45 to 64 .....	83,242	82,455	91.7	0.3	90.7	0.3	*-1.0	76.1	0.5	75.8	0.5	-0.4	18.9	0.4	18.1	0.4	*-0.8	8.3	0.3	9.3	0.3	*1.0
Aged 65 and older .....	51,066	52,788	99.0	0.1	99.1	0.1	Z	53.7	0.8	52.4	0.7	*-1.3	94.2	0.3	94.1	0.3	-0.1	1.0	0.1	0.9	0.1	Z

Prefabricated CPS tables provide uninsured by age, but what if we need more detailed age breakouts?



- Visit Microdata Access at [data.census.gov/mdat](https://data.census.gov/mdat)



- **Choose Dataset and Vintage:**
  - Dataset – **CPS Annual Social and Economic (March) Supplement**
  - Vintage – **MAR 2019**
  - Click **Next** in the lower right

## Select a Dataset & Vintage

Select Dataset

CPS Annual Social and Economic (March) Supplement

CPSASEC

Select Vintage

MAR 2019

201903

NEXT

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

BETA

Explore Data/ Microdata/ Custom Table

**SELECT VARIABLES** SELECT GEOGRAPHIES DATA CART (0) TABLE LAYOUT DOWNLOAD

filter by Topic

Search is not enabled in this beta version

SEARCH

Showing 684 of 1008 Variables

Select at least one variable to start

	Variable	Label	Number of Values	Type	
	<input type="text"/>	<input type="text"/>	<input type="text"/>	[3] Edited Items, Recodes, Topcodes	
<input type="checkbox"/>	A_AGE	Demographics, Age	1	Edited Items	<a href="#">▼ DETAILS</a>
<input type="checkbox"/>	A_SEX	Demographics, Sex	2	Edited Items	<a href="#">▼ DETAILS</a>
<input type="checkbox"/>	PEAFWHN3	Demographics - past military service period of active duty	10	Edited Items	<a href="#">▼ DETAILS</a>
<input type="checkbox"/>	PEAFWHN2	Demographics - past military service period of active duty	10	Edited Items	<a href="#">▼ DETAILS</a>
<input type="checkbox"/>	PEAFWHN1	Demographics - past military service period of active duty	10	Edited Items	<a href="#">▼ DETAILS</a>
<input type="checkbox"/>	PEAFEVER	Veteran status - ever served	3	Edited Items	<a href="#">▼ DETAILS</a>
<input type="checkbox"/>	PEAFWHN4	Demographics - past military service period of active duty	10	Edited Items	<a href="#">▼ DETAILS</a>
<input type="checkbox"/>	A_USLHRS	Current job, Hours, usually worked at main job	4	Edited Items	<a href="#">▼ DETAILS</a>
<input type="checkbox"/>	HIINITS	Number of Units in Structure-Household	5	Edited Items	<a href="#">▼ DETAILS</a>

Dataset: CPS Annual Social and Economic (March) Supplement (201903) [CHANGE](#)

[VIEW TABLE](#)

- **Select variable for Health Insurance Coverage Status:**
  - Type "COV" in the Variable search box or type "health insurance" in the label search box
  - Click **Details** to browse information about this variable
  - Check the box to the left of COV to add the variable to your data cart

Explore Data / Microdata / Custom Table

SELECT VARIABLES SELECT GEOGRAPHIES DATA CART (1) TABLE LAYOUT DOWNLOAD

filter by Topic  Search is not enabled in this beta version

Showing 4 of 1008 Variables Selected: 1 variable (3 columns, 1 row)

Variable	Label	Number of Values	Type
<input checked="" type="checkbox"/> COV	health insurance	3	(3) Edited Items, Recodes, Topcodes
<b>Description:</b> Any health insurance coverage last year			
<b>Values:</b> <ul style="list-style-type: none"><li>0 -- Infant born after calendar year</li><li>1 -- Yes</li><li>2 -- No</li></ul>			
<input type="checkbox"/> NOW_COV	Currently covered by health insurance coverage	2	Edited Items <a href="#">DETAILS</a>
<input type="checkbox"/> NOW_HCOV	Any health insurance coverage in the HH (Now)	3	Edited Items <a href="#">DETAILS</a>

Dataset: CPS Annual Social and Economic (March) Supplement (201903) [CHANGE](#)

## ■ Select variable for Age:

- Type "A\_AGE" in the Variable search box or type "Age" in the label search box
- Check the box to the left of A\_AGE to add the variable to your data cart
- Notice the message at the top of the screen saying you will need to create your own categories (or recodes) for this variable if you want it shown in the table. (you will do this action in the Data Cart)

The screenshot shows a web interface for selecting variables. At the top, an orange banner contains a warning: "This variable is continuous and can only go to 'Values in table cells'. Create a group (recode) to use elsewhere. 'Demographics, Age (A\_AGE)'" (with a close button). Below this, a navigation bar includes "SELECT VARIABLES" (underlined), "SELECT GEOGRAPHIES", "DATA CART (2)", "TABLE LAYOUT", and "DOWNLOAD". A search bar on the left is labeled "filter by Topic". To the right, a search icon is followed by the text "Search is not enabled in this beta version" and a "SEARCH" button. The main area displays "Showing 1 of 1008 Variables" and "Selected: 2 variables (3 columns, 1 row)". A table lists the selected variable:

<input checked="" type="checkbox"/>	Variable	Label	Number of Values	Type
	<input type="text" value="a_age"/>	<input type="text" value="age"/>	<input type="text" value="1"/>	<input type="text" value="(3) Edited Items, Recodes, Topcodes"/>
	A_AGE	Demographics, Age	1	Edited Items

Below the table, a "DETAILS" button is visible. The details for the selected variable are shown below:

**Description:**  
Item 18d - Age  
Universe = All

**Values:**  
• 0 to 85 -- Range

At the bottom of the interface, the dataset is identified as "Dataset: CPS Annual Social and Economic (March) Supplement (201903)" with a "CHANGE" link. A "VIEW TABLE" button is located in the bottom right corner.

- **Select geography:**

- Since we are getting the estimate for the United States, there is no need to make a selection. If no selection is made, the geography will automatically default to the United States

SELECT VARIABLES **SELECT GEOGRAPHIES** DATA CART (2) TABLE LAYOUT DOWNLOAD

GEOGRAPHIES

State

Dataset: CPS Annual Social and Economic (March) Supplement (201903) [CHANGE](#)

[VIEW TABLE](#)

- **Limit your universe:**
  - Click the **Data Cart** tab
  - Click the **COV** variable on the left
  - Uncheck the box for **Infant born after calendar year** (This action allows you to limit the universe to individuals who were present for the full calendar year reference period)

Explore Data / Microdata / Custom Table

SELECT VARIABLES   SELECT GEOGRAPHIES   **DATA CART (2)**   TABLE LAYOUT   DOWNLOAD

Selected Variables (2)

**A\_AGE**  
1 of 1 responses

**COV**  
2 of 3 responses

**Any health insurance coverage last year (COV)**   DETAILS ^

+ CREATE CUSTOM GROUP

<input type="checkbox"/> Include in Universe	Response Label	Value
<input type="checkbox"/>	Infant born after calendar year	0
<input checked="" type="checkbox"/>	Yes	1
<input checked="" type="checkbox"/>	No	2

Dataset: CPS Annual Social and Economic (March) Supplement (201903)   [CHANGE](#)   [VIEW TABLE](#)

## ■ Categorize (recode) your variable:

- Click the **A\_AGE** variable on the left
- Click **Create Custom Group** to begin specifying your age categories (e.g. 0-39; 40 and over)

Explore Data/ Microdata/ Custom Table

SELECT VARIABLES   SELECT GEOGRAPHIES   **DATA CART (2)**   TABLE LAYOUT   DOWNLOAD

Selected Variables (2)

**A\_AGE**

1 of 1 responses



**COV**

2 of 3 responses



Demographics, Age (A\_AGE)

DETAILS ^

**+ CREATE CUSTOM GROUP**



Include in Universe

Response Label

Value



Range

0

85

Dataset: CPS Annual Social and Economic (March) Supplement (201903)

[CHANGE](#)

[VIEW TABLE](#)



## ■ Categorize (recode) your variable:

- Click into **Group label** and type a label for the first category you want to create (e.g. 0-39)
- Check the box next to the response category for this code (Range)
- Edit the end range of age from 99 to **39**
- Click **Save Group**

SELECT VARIABLES   SELECT GEOGRAPHIES   **DATA CART (3)**   TABLE LAYOUT   DOWNLOAD

**Selected Variables (3)**

- A\_AGE  
1 of 1 responses
- COV  
2 of 3 responses
- A\_AGE\_RC1**  
1 of 1 responses

**Demographics, Age recode**   **AUTO GROUP**

Age 0-39    Show on table

Group Label  
Age 0-39

8 / 60

<input checked="" type="checkbox"/> Add to Group	Response Label	Value
<input checked="" type="checkbox"/>	Range	0 ————— 39

**CANCEL**   **SAVE GROUP**

Dataset: CPS Annual Social and Economic (March) Supplement (201903)   [CHANGE](#)   **VIEW TABLE**

- Categorize (recode) your variable:
  - Your first category Age 0-39 appears just below “Not Elsewhere Classified”
  - Click **Edit Group** for “Not Elsewhere Classified” to verify and rename the category

The screenshot displays the 'DATA CART (3)' interface. On the left, under 'Selected Variables (3)', the variable 'A\_AGE\_RC1' is highlighted. The main area shows 'Demographics, Age recode' with two categories: 'Not Elsewhere Classified' (VALUES: 40:85) and 'Age 0-39' (VALUES: 0:39). The 'EDIT GROUP' button for 'Not Elsewhere Classified' is highlighted with a red box. Other buttons include 'AUTO GROUP' and 'VIEW TABLE'.

SELECT VARIABLES   SELECT GEOGRAPHIES   **DATA CART (3)**   TABLE LAYOUT   DOWNLOAD

Selected Variables (3)

**A\_AGE**  
1 of 1 responses

**COV**  
2 of 3 responses

**A\_AGE\_RC1**  
2 of 2 responses

**Demographics, Age recode**   **AUTO GROUP**

**Not Elsewhere Classified**  
VALUES: 40:85   **EDIT GROUP**

**Age 0-39**  
VALUES: 0:39   **EDIT GROUP**

Dataset: CPS Annual Social and Economic (March) Supplement (201903)   **CHANGE**   **VIEW TABLE**

- Categorize (recode) your variable:
  - Click into **Group Label** and rename the category (e.g. Age 40+)
  - Click **Save Group** in the lower right

The screenshot shows the 'DATA CART (3)' interface with three selected variables: A\_AGE, COV, and A\_AGE\_RC1. The 'Demographics, Age recode' section is active, showing a configuration for the 'Age 40+' group. The 'Group Label' field is highlighted with a red box and contains the text 'Age 40+'. Below this is a table with columns for 'Add to Group', 'Response Label', and 'Value'. The first row shows 'Between 40 and 85' with a range from 40 to 85. The 'SAVE GROUP' button is also highlighted with a red box. The 'Age 0-39' group is visible below, with 'VALUES: 0:39' and an 'EDIT GROUP' button. The dataset is identified as 'CPS Annual Social and Economic (March) Supplement (201903)'.

SELECT VARIABLES   SELECT GEOGRAPHIES   **DATA CART (3)**   TABLE LAYOUT   DOWNLOAD

Selected Variables (3)

- A\_AGE  
1 of 1 responses
- COV  
2 of 3 responses
- A\_AGE\_RC1**  
2 of 2 responses

**Demographics, Age recode**   AUTO GROUP

Age 40+   Show on table

Group Label  
Age 40+

7 / 60

<input type="checkbox"/> Add to Group	Response Label	Value
<input type="checkbox"/>	Between 40 and 85	40 ————— 85

CANCEL   **SAVE GROUP**

Age 0-39  
VALUES: 0:39   EDIT GROUP

Dataset: CPS Annual Social and Economic (March) Supplement (201903)   CHANGE   VIEW TABLE

- Confirm variable selections
  - Confirm variable selections and click the **Table Layout** tab

The screenshot shows the 'Table Layout' tab in a data tool interface. The top navigation bar includes 'SELECT VARIABLES', 'SELECT GEOGRAPHIES', 'DATA CART (3)', 'TABLE LAYOUT', and 'DOWNLOAD'. The 'TABLE LAYOUT' tab is highlighted with a red box. Below the navigation bar, there is a 'Selected Variables (3)' list on the left, also highlighted with a red box. The list contains three variables: 'A\_AGE' (1 of 1 responses), 'COV' (2 of 3 responses), and 'A\_AGE\_RC1' (2 of 2 responses). To the right of the list, there is a section titled 'Demographics, Age recode' with an 'AUTO GROUP' button. Below this section, there are two rows of data: 'Age 40+' with 'VALUES: 40:85' and 'Age 0-39' with 'VALUES: 0:39'. Each row has an 'EDIT GROUP' button. At the bottom left, the dataset is identified as 'CPS Annual Social and Economic (March) Supplement (201903)' with a 'CHANGE' link. At the bottom right, there is a 'VIEW TABLE' button.

SELECT VARIABLES   SELECT GEOGRAPHIES   **DATA CART (3)**   **TABLE LAYOUT**   DOWNLOAD

**Selected Variables (3)**

- A\_AGE**  
1 of 1 responses
- COV**  
2 of 3 responses
- A\_AGE\_RC1**  
2 of 2 responses

**Demographics, Age recode**   **AUTO GROUP**

- Age 40+**  
VALUES: 40:85   **EDIT GROUP**
- Age 0-39**  
VALUES: 0:39   **EDIT GROUP**

Dataset: CPS Annual Social and Economic (March) Supplement (201903)   **CHANGE**   **VIEW TABLE**

- **View variable placement in the default table layout:**
  - **Values in table cells Options** – When variables are shown here, you have more options to choose from in the drop down menu for “Values in table cells”
  - **Columns/Rows – Variables will be shown in the table.** By default, the table is providing data by geography (United States) for health insurance coverage status in the rows.
  - **Not on Table – Can restrict the universe.** By default, A\_AGE\_RC1 is not on the table, and it does not restrict the universe because the recode includes ages for all people (0-39 and 40+)

SELECT VARIABLES   SELECT GEOGRAPHIES   DATA CART (3)   **TABLE LAYOUT**   DOWNLOAD

**Custom Table**

"Values in table cells" Options (1)  
Determines order in list; cannot move to row/column

A\_AGE   1 of 1 responses

Columns (1)  
2 columns (maximum 400)

COV   2 of 3 responses

Rows (0)  
rows (maximum 2000)

Not on table (1)  
(may restrict the sample universe)

A\_AGE\_RC1   2 of 2 responses

**Table Preview**  
Drag and drop variables between sections on the left; see results on table layout below.

Values in table cells:   Universe: Any health insurance coverage last year (COV): all except: Infant born after calendar year

Average of Demographics, Age (A\_AGE)

Any health insurance coverage last year (COV)	
Yes	No
???	???

## ■ Edit Table Layout:

- **Move A\_AGE\_RC1 to Rows:** This will add categories in our table row for the population 0-39 and 40+

SELECT VARIABLES   SELECT GEOGRAPHIES   DATA CART (3)   **TABLE LAYOUT**   DOWNLOAD

### Custom Table

"Values in table cells" Options (1)  
Determines order in list; cannot move to row/column

A\_AGE   1 of 1 responses

Columns (1)  
2 columns (maximum 400)

COV   2 of 3 responses

Rows (0)  
rows (maximum 2000)

Not on table (1)  
(may restrict the sample universe)

A\_AGE\_RC1   2 of 2 responses

A\_AGE\_RC1   2 of 2 responses

### Table Preview

Drag and drop variables between sections on the left; see results on table layout below.

Values in table cells:   Universe: Any health insurance coverage last year (COV): all except: Infant born after calendar year

Average of Demographics, Age (A\_AGE)

Any health insurance coverage last year (COV)

Yes	No
???	???

Dataset: CPS Annual Social and Economic (March) Supplement (201903)   [CHANGE](#)   [VIEW TABLE](#)

- Choose type of values in table cells
  - Change the “Value in table cells” option from Average of Demographics, Age (A\_AGE) to **Count**. This will give you data for the total number of people age 0-39 and 40+ in the United States

SELECT VARIABLES   SELECT GEOGRAPHIES   DATA CART (3)   **TABLE LAYOUT**   DOWNLOAD

### Custom Table

"Values in table cells" Options (1)  
Determines order in list; cannot move to row/column

A\_AGE   1 of 1 responses

Columns (1)  
2 columns (maximum 400)

COV   2 of 3 responses

Rows (1)  
2 rows (maximum 2000)

A\_AGE\_RC1   2 of 2 responses

Not on table (0)  
(may restrict the sample universe)

### Table Preview

Drag and drop variables between sections on the left; see results on table layout below.

Values in table cells: **Count**

Average of Demographics, Age (A\_AGE)

Universe: Any health insurance coverage last year (COV): all except: Infant born after calendar year

Demographics, Age recode	Yes	No
Age 40+	???	???
Age 0-39	???	???

Dataset: CPS Annual Social and Economic (March) Supplement (201903)   [CHANGE](#)   [VIEW TABLE](#)

- **Confirm Table Layout:**
  - Confirm table layout and click **View Table** in the lower right

SELECT VARIABLES   SELECT GEOGRAPHIES   DATA CART (3)   **TABLE LAYOUT**   DOWNLOAD

### Custom Table

#### "Values in table cells" Options (1)

Determines order in list; cannot move to row/column

A\_AGE 1 of 1 responses

#### Columns (1)

2 columns (maximum 400)

COV 2 of 3 responses

#### Rows (1)

2 rows (maximum 2000)

A\_AGE\_RC1 2 of 2 responses

#### Not on table (0)

(may restrict the sample universe)

### Table Preview

Drag and drop variables between sections on the left: see results on table layout below.

Values in table cells:

Count

Universe: Any health insurance coverage last year (COV): all except: Infant born after calendar year

Show Total

Demographics, Age recode	Any health insurance coverage last year (COV)		
	Total	Yes	No
▼ ??? (2)	0	0	0
Age 40+	???	???	???
Age 0-39	???	???	???

Dataset: CPS Annual Social and Economic (March) Supplement (201903)

[CHANGE](#)

**VIEW TABLE**



## View Table:

- There were an estimated 10,595,053 uninsured people age 40 and older in the US in 2018
- There were an estimated 16,867,235 uninsured people between ages 0 and 39 in US in 2018

**Custom Table** CUSTOMIZE VARIABLES DOWNLOAD / SHARE DETAILS

Dataset: CPS Annual Social and Economic (March) Supplement [CHANGE DATASET](#)

Vintage:

Geography: 0 geographies selected [CHANGE GEOGRAPHY](#)

Weighting:

On Columns:

On Rows:

Not on Table:

Values in table cells:

Count:

Show Total

Demographics, Age recode	Any health insurance coverage last year (COV)		
	Total	Yes	No
Total (2)	323,668,441	296,206,153	27,462,288
Age 40+	154,826,992	144,231,939	10,595,053
Age 0-39	168,841,449	151,974,214	16,867,235

[Send Feedback](#)  
cedsci.feedback@census.gov

# Demo

## Example 3:

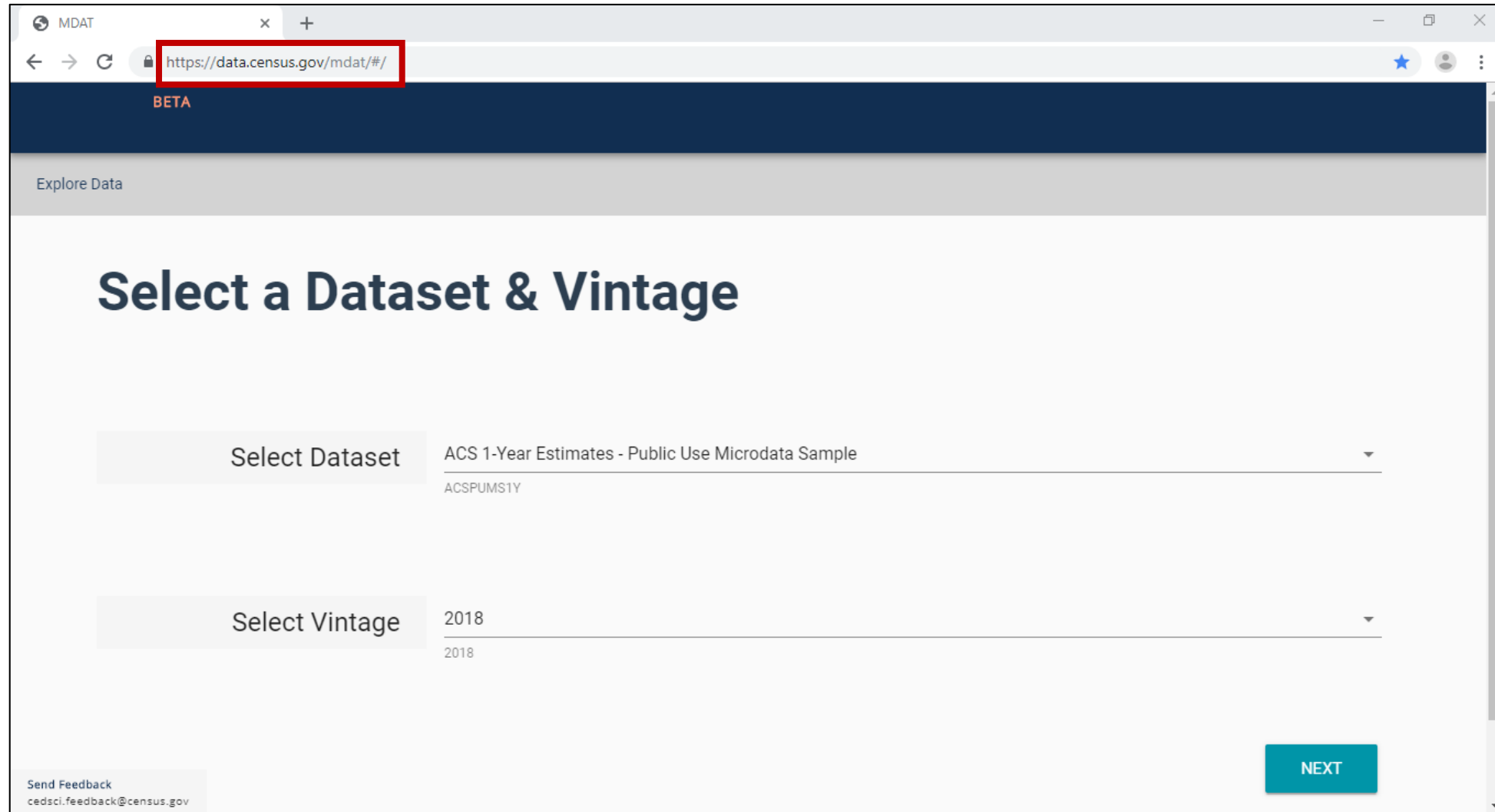
## Work from Home by Detailed Industry in Arizona

# Table B08126 – Worked at Home by Industry

MEANS OF TRANSPORTATION TO WORK BY INDUSTRY			Product: 2018: ACS 1-Year Estimates Detailed Tables	CUSTOMIZE TABLE
Survey/Program: American Community Survey			Universe: Workers 16 years and over	
TableID: B08126				
Label	Arizona		Estimate	Margin of Error
Manufacturing			5,721	±1,167
Wholesale trade			1,175	±508
Retail trade			12,673	±2,256
Transportation and warehousing, and utilities			8,193	±1,846
Information			1,220	±583
Finance and insurance, and real estate and rental and leasing			4,076	±1,137
Professional, scientific, and management, and administrative and waste management services			9,961	±1,888
Educational services, and health care and social assistance			15,892	±2,693
Arts, entertainment, and recreation, and accommodation and food services			12,902	±2,272
Other services (except public administration)			3,614	±1,191
Public administration			3,005	±879
Armed forces			580	±389
▼ Worked at home:			214,693	±9,934
Agriculture, forestry, fishing and hunting, and mining			1,983	±603
Construction			8,044	±1,941
Manufacturing			12,389	±2,069
Wholesale trade			6,846	±1,252
Retail trade			16,148	±2,259
Transportation and warehousing, and utilities			5,305	±1,428
Information			6,759	±1,545
Finance and insurance, and real estate and rental and leasing			35,029	±3,122

Annually released prefabricated ACS tables provide data about individuals who worked from home for 14 industries, but what if we want this data for more detailed industries?

- Visit Microdata Access at [data.census.gov/mdat](https://data.census.gov/mdat)



- **Choose Dataset and Vintage:**
  - Dataset – **ACS 1-Year Estimates – Public Use Microdata Sample**
  - Vintage – **2018**
  - Click **Next** in the lower right

## Select a Dataset & Vintage

Select Dataset ACS 1-Year Estimates - Public Use Microdata Sample  
ACSPUMS1Y

Select Vintage 2018  
2018

**NEXT**



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

BETA

Explore Data/ Microdata/ Custom Table

**SELECT VARIABLES** SELECT GEOGRAPHIES DATA CART (0) TABLE LAYOUT DOWNLOAD

filter by Topic

Search is not enabled in this beta version

SEARCH

Showing 214 of 507 Variables

Select at least one variable to start

	Variable	Label	Number of Values	Type	
<input type="checkbox"/>	AGEP	Age	2	Estimate	▼ DETAILS
<input type="checkbox"/>	ANC	Ancestry categorization	5	Edited Items	▼ DETAILS
<input type="checkbox"/>	DRIVESP	Number of vehicles calculated from JWRI	7	Estimate	▼ DETAILS
<input type="checkbox"/>	FES	Family type and employment status	9	Estimate	▼ DETAILS
<input type="checkbox"/>	FPARC	Presence, age of related children	5	Recodes	▼ DETAILS
<input type="checkbox"/>	GRPIP	Gross rent as a percentage of household income past 12 months	3	Estimate	▼ DETAILS
<input type="checkbox"/>	HISP	Hispanic recode	24	Recodes	▼ DETAILS
<input type="checkbox"/>	JWAP	Time of arrival at work categorization	286	Edited Items	▼ DETAILS
<input type="checkbox"/>	JWDP	Time of departure for work - hour and minute	151	Estimate	▼ DETAILS
<input type="checkbox"/>	JWMNP	Travel time to work	2	Estimate	▼ DETAILS
<input type="checkbox"/>	JWVDP	Vehicle registration	11	Estimate	▼ DETAILS

Dataset: ACS 1-Year Estimates - Public Use Microdata Sample (2018) [CHANGE](#)

VIEW TABLE

- **Select variable for Transportation to Work:**
  - Type "JWTR" in the Variable search box or type "Work" in the label search box
  - Check the box to the left of JWTR to add the variable to data cart

The screenshot shows the 'SELECT VARIABLES' interface. At the top, there are tabs for 'SELECT VARIABLES', 'SELECT GEOGRAPHIES', 'DATA CART (1)', 'TABLE LAYOUT', and 'DOWNLOAD'. Below the tabs, it says 'Showing 2 of 507 Variables' and 'Selected: 1 variable (13 columns, 1 row)'. A table lists variables with columns for 'Variable', 'Label', 'Number of Values', and 'Type'. The variable 'JWTR' is selected, with a checkmark in a box to its left. The 'Label' search box contains 'work'. A 'DETAILS' button is highlighted with a red box, and a red arrow points to the 'Values' section of the variable details.

Variable	Label	Number of Values	Type
<input checked="" type="checkbox"/> JWTR	work Transportation to work	13	(3) Edited Items, Estimate, Record

**Description:**  
Transportation to work Variable Universe Description: AT WORK, CIVILIAN OR NONCIVILIAN

**Values:**

- 0 -- Not in universe - missing
- 1 -- Car/truck/van
- 2 -- Bus or trolley bus
- 3 -- Streetcar or trolley car (carro publico in Puerto Rico)
- 4 -- Subway or elevated
- 5 -- Railroad

Dataset: ACS 1-Year Estimates - Public Use Microdata Sample (2018) [CHANGE](#) [VIEW TABLE](#)

- **Select variable for Industry:**
  - Type "INDP" in the Variable search box or type "Industry" in the label search box
  - Check the box to the left of INDP to add the variable to your data cart

SELECT VARIABLES   SELECT GEOGRAPHIES   DATA CART (2)   TABLE LAYOUT   DOWNLOAD

Showing 2 of 507 Variables   Selected: 2 variables (13 columns, 271 rows)

Variable	Label	Number of Values	Type
<input type="text" value="indp"/>	<input type="text" value="industry"/>	<input type="text" value="271"/>	(3) Edited Items, Estimate, Recode
<input checked="" type="checkbox"/>	INDP	Industry recode for 2018 and later ba...	271   Recodes

**DETAILS**

**Description:**

**Values:**

- 169 -- N/A (less than 16 years old/NILF who last worked more than 5 years ago or never worked)
- 0170 -- AGR-Crop Production
- 0180 -- AGR-Animal Production And Aquaculture
- 0190 -- AGR-Forestry Except Logging

Dataset: ACS 1-Year Estimates - Public Use Microdata Sample (2018)   [CHANGE](#)   [VIEW TABLE](#)



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

The screenshot shows the 'SELECT GEOGRAPHIES' tab in a web application. The interface includes a top navigation bar with tabs for 'SELECT VARIABLES', 'SELECT GEOGRAPHIES', 'DATA CART (2)', 'TABLE LAYOUT', and 'DOWNLOAD'. The 'SELECT GEOGRAPHIES' tab is active and highlighted with a red box. Below the navigation bar, there are two main columns. The left column, titled 'GEOGRAPHIES', lists 'Region', 'Division', 'State', and 'Public Use Microdata Area (PUMA)'. The 'State' option is highlighted with a red box. The right column, titled 'STATE', lists various states with checkboxes: Alabama, Alaska, Arizona (checked), Arkansas, California, Colorado, Connecticut, Delaware, District of Columbia, and Florida. The 'Arizona' checkbox is also highlighted with a red box. Below the 'STATE' list, there is a tag for 'Arizona' with a close button. At the bottom of the interface, the dataset is identified as 'ACS 1-Year Estimates - Public Use Microdata Sample (2018)' with a 'CHANGE' link. A 'VIEW TABLE' button is located in the bottom right corner.

- **Limit your universe:**
  - Click the **DATA CART** tab
  - Click the **JWTR** variable on the left
  - Uncheck the box for **Include in Universe**

SELECT VARIABLES   SELECT GEOGRAPHIES   **DATA CART (2)**   TABLE LAYOUT   DOWNLOAD

Selected Variables (2)

**JWTR**  
13 of 13 responses

**INDP**  
271 of 271 responses

**Transportation to work (JWTR)**   DETAILS ^

+ CREATE CUSTOM GROUP

<input checked="" type="checkbox"/> Include in Universe	Response Label	Value
<input type="checkbox"/>	<input type="text"/>	<input type="text"/>
<input checked="" type="checkbox"/>	Not in universe - missing	0
<input checked="" type="checkbox"/>	Car/truck/van	1
<input checked="" type="checkbox"/>	Bus or trolley bus	2
<input checked="" type="checkbox"/>	Streetcar or trolley car (carro publico in Puerto Rico)	3
<input checked="" type="checkbox"/>	Subway or elevated	4
<input checked="" type="checkbox"/>	Railroad	5
<input checked="" type="checkbox"/>	Ferry boat	6
<input checked="" type="checkbox"/>	Taxicab	7
<input checked="" type="checkbox"/>	Motorcycle	8
<input checked="" type="checkbox"/>	Bicycle	9
<input checked="" type="checkbox"/>	Walked	10
<input checked="" type="checkbox"/>	Worked At Home	11

Dataset: ACS 1-Year Estimates-Public Use Microdata Sample (2018)   [CHANGE](#)   [VIEW TABLE](#)

- **Limit your universe:**
  - Check the box for **Worked At Home**

SELECT VARIABLES   SELECT GEOGRAPHIES   **DATA CART (2)**   TABLE LAYOUT   DOWNLOAD

**JWTR**  
1 of 13 responses

**INDP**  
271 of 271 responses

**+ CREATE CUSTOM GROUP**

<input type="checkbox"/> Include in Universe	Response Label	Value
<input type="checkbox"/>	Not in universe - missing	0
<input type="checkbox"/>	Car/truck/van	1
<input type="checkbox"/>	Bus or trolley bus	2
<input type="checkbox"/>	Streetcar or trolley car (carro publico in Puerto Rico)	3
<input type="checkbox"/>	Subway or elevated	4
<input type="checkbox"/>	Railroad	5
<input type="checkbox"/>	Ferry boat	6
<input type="checkbox"/>	Taxicab	7
<input type="checkbox"/>	Motorcycle	8
<input type="checkbox"/>	Bicycle	9
<input type="checkbox"/>	Walked	10
<input checked="" type="checkbox"/>	Worked At Home	11
<input type="checkbox"/>	Other	12

Dataset: ACS 1-Year Estimates - Public Use Microdata Sample (2018) [CHANGE](#) [VIEW TABLE](#)

- Confirm variable selections
  - Confirm variable selections and click the **Table Layout** tab

The screenshot shows the 'DATA CART (2)' and 'TABLE LAYOUT' tabs. The 'Selected Variables (2)' panel lists 'JWTR' (1 of 13 responses) and 'INDP' (271 of 271 responses). The 'Transportation to work (JWTR)' table lists various modes of transport, with 'Worked At Home' selected.

SELECT VARIABLES    SELECT GEOGRAPHIES    **DATA CART (2)**    **TABLE LAYOUT**    DOWNLOAD

Selected Variables (2)

- JWTR**  
1 of 13 responses
- INDP**  
271 of 271 responses

**Transportation to work (JWTR)**    DETAILS ^

+ CREATE CUSTOM GROUP

<input type="checkbox"/> Include in Universe	Response Label	Value
<input type="checkbox"/>	Not in universe - missing	0
<input type="checkbox"/>	Car/truck/van	1
<input type="checkbox"/>	Bus or trolley bus	2
<input type="checkbox"/>	Streetcar or trolley car (carro publico in Puerto Rico)	3
<input type="checkbox"/>	Subway or elevated	4
<input type="checkbox"/>	Railroad	5
<input type="checkbox"/>	Ferry boat	6
<input type="checkbox"/>	Taxicab	7
<input type="checkbox"/>	Motorcycle	8
<input type="checkbox"/>	Bicycle	9
<input type="checkbox"/>	Walked	10
<input checked="" type="checkbox"/>	Worked At Home	11

Dataset: ACS 1-Year Estimates - Public Use Microdata Sample (2018)    CHANGE

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 the population who worked at home in the columns, with the geography (Arizona) and detailed industries in the rows

SELECT VARIABLES   SELECT GEOGRAPHIES   DATA CART (2)   **TABLE LAYOUT**   DOWNLOAD

### Custom Table

"Values in table cells" Options (0)  
Determines order in list; cannot move to row/column

**Columns (1)**  
1 columns (maximum 400)

**JWTR**   1 of 13 responses

**Rows (2)**  
271 rows (maximum 2000)

**SELECTED GEOGRAPHIES**   1 of 1 responses

**INDP**   271 of 271 responses

Not on table (0)  
(may restrict the sample universe)

### Table Preview

Drag and drop variables between sections on the left; see results on table layout below.

Values in table cells:

Universe: selected geographies: Arizona; Transportation to work (JWTR); Worked At Home

Show Total

	Transportation to work (JWTR)
Industry recode for 2018 and later based on 2017 IND codes (INDP)	Worked At Home
?? (271)	
Arizona (271)	
N/A (less than 16 years old/NILF who last worked more than 5 years ago or never worked)	??
AGR-Crop Production	??
AGR-Animal Production And Aquaculture	??
AGR-Forestry Except Logging	??

Dataset: ACS 1-Year Estimates - Public Use Microdata Sample (2018)   [CHANGE](#)   [VIEW TABLE](#)

- Edit Table Layout:
  - Move Selected Geography to Columns:
    - **Click, hold and drag Selected Geographies on the left side of the page up to the columns heading.** This will give you a table layout similar to prefabricated ACS tables on data.census.gov, where each geography has its own column

SELECT VARIABLES   SELECT GEOGRAPHIES   DATA CART (2)   **TABLE LAYOUT**   DOWNLOAD

### Custom Table

"Values in table cells" Options (0)  
Determines order in list; cannot move to row/column

**Columns (1)**  
1 columns (maximum 400)

JWTR   1 of 13 responses

**Rows (2)**  
271 rows (maximum 2000)

SELECTED GEOGRAPHIES   1 of 1 responses

SELECTED GEOGRAPHIES   1 of 1 responses

INDP   271 of 271 responses

Not on table (0)  
(may restrict the sample universe)

### Table Preview

Drag and drop variables between sections on the left; see results on table layout below.

Values in table cells:

Universe: selected geographies: Arizona; Transportation to work (JWTR): Worked At Home

Show Total

	Transportation to work (JWTR)
Industry recode for 2018 and later based on 2017 IND codes (INDP)	Worked At Home
▼ ??? (271)	
▼ Arizona (271)	
N/A (less than 16 years old/NILF who last worked more than 5 years ago or never worked)	??
AGR-Crop Production	??
AGR-Animal Production And Aquaculture	??
AGR-Forestry Except Logging	??

Dataset: ACS 1-Year Estimates - Public Use Microdata Sample (2018)   [CHANGE](#)   [VIEW TABLE](#)

## ■ Edit Table Layout:

- **Move JWTR to Not on Table:** This will limit our universe to the population that worked at home. Putting this in “Not in table” restricts our universe without cluttering up our table with a repeating label for “Worked at Home.”

SELECT VARIABLES   SELECT GEOGRAPHIES   DATA CART (2)   **TABLE LAYOUT**   DOWNLOAD

### Custom Table

"Values in table cells" Options (0)  
Determines order in list; cannot move to row/column

Columns (2)  
1 columns (maximum 400)

**SELECTED GEOGRAPHIES**   1 of 1 responses

<b>JWTR</b>	1 of 13 responses
-------------	-------------------

Rows (1)  
271 rows (maximum 2000)

INDP   271 of 271 responses

**Not on table (0)**  
(may restrict the sample universe)

### Table Preview

Drag and drop variables between sections on the left; see results on table layout below.

Values in table cells:  
Count

Universe: selected geographies: Arizona; Transportation to work (JWTR): Worked At Home

Show Total

	Selected Geographies	
	Arizona	
	Transportation to work (JWTR)	
Industry recode for 2018 and later based on 2017 IND codes	Worked At Home	
▼ ??? (271)		0
N/A (less than 16 years ...		???
AGR-Crop Production		???
&GR-Animal Production		???

Dataset: ACS 1-Year Estimates - Public Use Microdata Sample (2018)   [CHANGE](#)   [VIEW TABLE](#)

- **Confirm Table Layout:**
  - Confirm table layout and click **View Table** in the lower right

SELECT VARIABLES   SELECT GEOGRAPHIES   DATA CART (2)   **TABLE LAYOUT**   DOWNLOAD

### Custom Table

"Values in table cells" Options (0)  
Determines order in list; cannot move to row/column

Columns (1)  
1 columns (maximum 400)

**SELECTED GEOGRAPHIES**   1 of 1 responses

Rows (1)  
271 rows (maximum 2000)

**INDP**   271 of 271 responses

Not on table (1)  
(may restrict the sample universe)

**JWTR**   1 of 13 responses

### Table Preview

Drag and drop variables between sections on the left; see results on table layout below.

Values in table cells:  
Count

Universe: selected geographies: Arizona; Transportation to work (JWTR): Worked At Home

Show Total

	Selected Geographies	
Industry recode for 2018 and later based on 2017 IND codes	Arizona	
▼ ??? (271)		0
N/A (less than 16 years ...		???
AGR-Crop Production		???
AGR-Animal Production ...		???
AGR-Forestry Except Lo...		???
AGR-Logging		???

Dataset: ACS 1-Year Estimates - Public Use Microdata Sample (2018)   [CHANGE](#)

**VIEW TABLE**



## View Table:

- The estimated number of individuals in the Crop Production industry that worked at home in Arizona is 252.

**Custom Table** CUSTOMIZE VARIABLES DOWNLOAD / SHARE DETAILS ▾

Dataset: ACS 1-Year Estimates - Public Use Microdata Sample [CHANGE DATASET](#)

Vintage: 2018

Geography: 1 geographies selected [CHANGE GEOGRAPHY](#)

Weighting: PUMS person weight

On Columns: Selected Geographies

On Rows: INDP

Not on Table: JWTR

Values in table cells: Universe: selected geographies: Arizona; Transportation to work (JWTR): Worked At Home

Count

Show Total

	Selected Geographies	
Industry recode for 2018 and later based on 2017 IND codes	Arizona	
Total (271)		215,077
N/A (less than 16 years old/NILF who last worked more than 5 years ago or never worked)		0
AGR-Crop Production		252
AGR-Animal Production And Aquaculture		963
AGR-Forestry Except Logging		16
AGR-Logging		60
ig And Trapping		0
ies For Agriculture And Forestry		309

## Sort Table:

- Click the column header to sort the column in ascending or descending order

Values in table cells: Universe: selected geographies: Arizona; Transportation to work (JWTR): Worked At Home

Count

Show Total

Industry recode for 2018 and later based on 2017 IND codes	Selected Geographies
Total (271)	215,077
PRF-Computer Systems Design And Related Services	13,634
PRF-Management, Scientific, And Technical Consulting Services	10,368
FIN-Insurance Carriers	9,955
FIN-Lessors Of Real Estate, And Offices Of Real Estate Agents And Brokers	8,337
CON-Construction (The Cleaning Of Buildings And Dwellings Is Incidental During Construction And Immediately After Construction)	8,241
EDU-Colleges, Universities, And Professional Schools, Including Junior Colleges	5,995
MED-Home Health Care Services	5,133
PRF-Accounting, Tax Preparation, Bookkeeping, And Payroll Services	4,763
FIN-Nondepository Credit And Related Activities	4,700
SCA-Child Day Care Services	4,603
PRF-Business Support Services	4,307
ENT-Restaurants And Other Food Services	4,273
MED-General Medical And Surgical Hospitals, And Specialty (Except Psychiatric And Substance Abuse) Hospitals	3,841
FIN-Securities, Commodities, Funds, Trusts, And Other Financial Investments	3,726
PRF-Specialized Design Services	3,518

Send Feedback  
cedsci.feedback@census.gov

- Download:
  - Click **Download/Share** at the top of the table

**Custom Table** CUSTOMIZE VARIABLES **DOWNLOAD / SHARE** DETAILS ▾

Dataset: ACS 1-Year Estimates - Public Use Microdata Sample [CHANGE DATASET](#) Geography: 1 geographies selected [CHANGE GEOGRAPHY](#)

Vintage: 2018 Weighting: PUMS person weight

On Columns: Selected Geographies On Rows: INDP

Not on Table: JWTR 'Values in table cells' Options

Values in table cells: Count Universe: selected geographies: Arizona; Transportation to work (JWTR): Worked At Home

Show Total

Industry recode for 2018 and later based on 2017 IND codes	Selected Geographies	
	Arizona ▾	
▼ Total (271)		215,077
PRF-Computer Systems Design And Related Services		13,634
PRF-Management, Scientific, And Technical Consulting Services		10,368
FIN-Insurance Carriers		9,955
FIN-Lessors Of Real Estate, And Offices Of Real Estate Agents And Brokers		8,337
CON-Construction (The Cleaning Of Buildings And Dwellings Is Incidental During Construction And Immediately After Construction)		8,241
Universities, And Professional Schools, Including Junior Colleges		5,995
Health Care Services		5,133

[Send Feedback](#) [cedsci.feedback@census.gov](mailto:cedsci.feedback@census.gov)

- Download:
  - Select **Download table view (.CSV)**, then click **DOWNLOAD**
  - Click on **export.csv** to view your downloaded table

SELECT VARIABLES    SELECT GEOGRAPHIES    DATA CART (2)    TABLE LAYOUT    **DOWNLOAD**

Download table view (.CSV)

Extract raw data (.CSV)

Extract raw data (.JSON)

Include:

\* PUMS person weight

Housing Weight

\* weight associated with at least one variable in download

**DOWNLOAD**

Source: ACS 1-Year Estimates - Public Use Microdata Sample 2018

Weight used: PWGTP

Universe: selected geographies: Arizona; Transportation to work (JWTR): Worked At Home

	Selected Geographies
Industry recode for 2018 and later based on 2017 IND codes	Arizona
-> Total	215077
PRF-Computer Systems Design And Related Services	13634
PRF-Management, Scientific, And Technical Consulting Services	10368
FIN-Insurance Carriers	9955
FIN-Lessors Of Real Estate, And Offices Of Real Estate Agents And Brokers	8337
CON-Construction (The Cleaning Of Buildings And Dwellings Is Incidental During Construction And Immediately After Construction)	8241
EDU-Colleges, Universities, And Professional Schools, Including Junior Colleges	5995
MED-Home Health Care Services	5133
PRF-Accounting, Tax Preparation, Bookkeeping, And Payroll Services	4763

Dataset: ACS 1-Year Estimates - Public Use Microdata Sam

# Demo

Example 4:

**Poverty by Single Year of Age for Children Under 18 in Phoenix PUMAs**

# Table B17001 – Poverty By Age

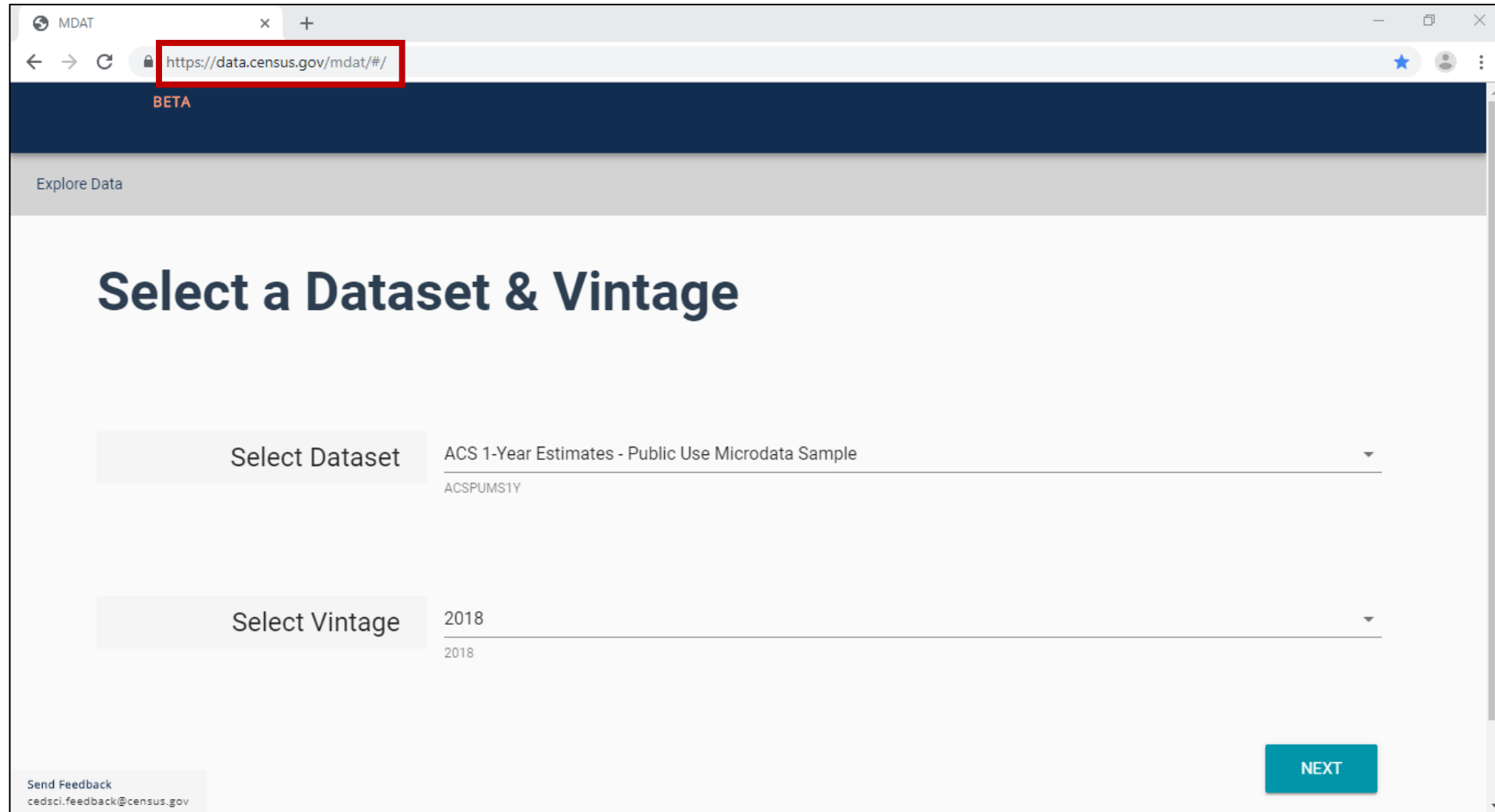
**POVERTY STATUS IN THE PAST 12 MONTHS BY SEX BY AGE**  
 Survey/Program: American Community Survey      Product: 2018: ACS 1-Year Estimates Detailed Tables  
 TableID: B17001      Universe: Population for whom poverty status is determined

**CUSTOMIZE TABLE**

Label	Phoenix City (Northwest Central) PUMA, Arizona		Phoenix City
	Estimate	Margin of Error	
▼ Total:	104,348	±8,885	
▼ Income in the past 12 months below poverty level:	15,204	±3,771	
▼ Male:	7,430	±2,055	
Under 5 years	508	±422	
5 years	0	±211	
6 to 11 years	613	±507	
12 to 14 years	359	±406	
15 years	0	±211	
16 and 17 years	228	±252	
18 to 24 years	759	±435	
25 to 34 years	2,015	±1,070	
35 to 44 years	1,098	±702	
45 to 54 years	928	±513	
55 to 64 years	542	±359	

Prefabricated ACS tables in [data.census.gov](https://data.census.gov) provide poverty by age, but what if we need more detailed age breakouts?

- Visit Microdata Access at [data.census.gov/mdat](https://data.census.gov/mdat)



- **Choose Dataset and Vintage:**
  - Dataset – **ACS 1-Year Estimates – Public Use Microdata Sample**
  - Vintage – **2018**
  - Click **Next** in the lower right

**Select a Dataset & Vintage**

Select Dataset ACS 1-Year Estimates - Public Use Microdata Sample  
ACSPUMS1Y

Select Vintage 2018  
2018

NEXT



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

BETA

Explore Data/ Microdata/ Custom Table

**SELECT VARIABLES** SELECT GEOGRAPHIES DATA CART (0) TABLE LAYOUT DOWNLOAD

filter by Topic

Search is not enabled in this beta version

SEARCH

Showing 214 of 507 Variables

Select at least one variable to start

	Variable	Label	Number of Values	Type	
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="3) Edited Items, Estimate, Recodes"/>	
<input type="checkbox"/>	AGEP	Age	2	Estimate	<a href="#">▼ DETAILS</a>
<input type="checkbox"/>	ANC	Ancestry categorization	5	Edited Items	<a href="#">▼ DETAILS</a>
<input type="checkbox"/>	DRIVESP	Number of vehicles calculated from JWRI	7	Estimate	<a href="#">▼ DETAILS</a>
<input type="checkbox"/>	FES	Family type and employment status	9	Estimate	<a href="#">▼ DETAILS</a>
<input type="checkbox"/>	FPARC	Presence, age of related children	5	Recodes	<a href="#">▼ DETAILS</a>
<input type="checkbox"/>	GRPIP	Gross rent as a percentage of household income past 12 months	3	Estimate	<a href="#">▼ DETAILS</a>
<input type="checkbox"/>	HISP	Hispanic recode	24	Recodes	<a href="#">▼ DETAILS</a>
<input type="checkbox"/>	JWAP	Time of arrival at work categorization	286	Edited Items	<a href="#">▼ DETAILS</a>
<input type="checkbox"/>	JWDP	Time of departure for work - hour and minute	151	Estimate	<a href="#">▼ DETAILS</a>
<input type="checkbox"/>	JWMNP	Travel time to work	2	Estimate	<a href="#">▼ DETAILS</a>
<input type="checkbox"/>	JWVDP	Vehicle categorization	11	Estimate	<a href="#">▼ DETAILS</a>

Dataset: ACS 1-Year Estimates - Public Use Microdata Sample (2018) [CHANGE](#)

[VIEW TABLE](#)

## ■ Select variable for Poverty:

- Type "POVPIP" in the Variable search box or type "Poverty" in the label search box
- Check the box to the left of POVPIP to add the variable to your data cart
- Notice the message at the top of the screen saying you will need to create your own categories (or recodes) for this variable if you want it shown in the table.

! This variable is continuous and can only go to "Values in table cells". Create a group (recode) to use elsewhere. "Income-to-poverty ratio recode (POVPIP)"

SELECT VARIABLES   SELECT GEOGRAPHIES   DATA CART (1)   TABLE LAYOUT   DOWNLOAD

filter by Topic   Search is not enabled in this beta version   SEARCH

Showing 1 of 507 Variables   Selected: 1 variable (1 column, 1 row)

Variable	Label	Number of Values	Type
<input checked="" type="checkbox"/> POVPIP	poverty	3	3) Edited Items, Estimate, Recodes

**Description:**  
Income-to-poverty ratio recode

**Values:**

- 0 to 500 -- Below 501 percent
- -1 -- N/A
- 501 -- 501 percent or more

[^ DETAILS](#)

Dataset: ACS 1-Year Estimates - Public Use Microdata Sample (2018)   CHANGE   VIEW TABLE

## ■ Select variable for Age:

- Type "AGEP" in the Variable search box or type "Age" in the label search box
- Check the box to the left of AGEP to add the variable to your data cart
- Notice the message at the top of the screen saying you will need to create your own categories (or recodes) for this variable if you want it shown in the table. (you will do this action in the Data Cart)

! This variable is continuous but another is already determining cell values; use the "Values in table cells" drop-down to switch. "Age (AGEP)"

SELECT VARIABLES SELECT GEOGRAPHIES DATA CART (2) TABLE LAYOUT DOWNLOAD

filter by Topic

Search is not enabled in this beta version

SEARCH

Showing 1 of 507 Variables

Selected: 2 variables (1 column, 1 row)

	Variable	Label	Number of Values	Type	
<input checked="" type="checkbox"/>	agep	age	2	(3) Edited Items.Estimate.Recodes	<a href="#">DETAILS</a>
<b>Description:</b> Age		<b>Values:</b> <ul style="list-style-type: none"><li>1 to 99 -- 1 to 99 years (Top-coded***)</li><li>00 -- Under 1 year</li></ul>			

- **Select geography:**
  - Click the **SELECT GEOGRAPHIES** tab
  - Click **Public Use Microdata Area (PUMA)** and **Arizona**
  - Check the boxes for the twelve **Phoenix City PUMAs**

The screenshot shows the 'SELECT GEOGRAPHIES' interface. The 'SELECT GEOGRAPHIES' tab is highlighted. Under 'GEOGRAPHIES', 'Public Use Microdata Area (PUMA)' is selected. Under 'PUBLIC USE MICRODATA AREA (PUMA) (STATE)', 'Arizona' is selected. Under 'ARIZONA', 12 Phoenix City PUMAs are checked:

- Phoenix City (Northeast) PUMA, Arizona
- Phoenix City (Northeast Central) PUMA, Arizona
- Phoenix City (Northwest Central) PUMA, Arizona
- Phoenix City (Uptown) PUMA, Arizona
- Phoenix City (East) PUMA, Arizona
- Phoenix City--Downtown & Sky Harbor International Airport PUMA, Arizona
- Phoenix City (South) PUMA, Arizona
- Phoenix City--Ahwatukee & South Mountain PUMA, Arizona
- Phoenix (Southwest) & Tolleson Cities PUMA, Arizona
- Phoenix City--Maryvale (East) PUMA, Arizona
- Phoenix City--Maryvale (West) PUMA, Arizona
- Phoenix City (West) PUMA, Arizona
- Phoenix City (North) PUMA, Arizona

At the bottom, the dataset is identified as 'ACS 1-Year Estimates - Public Use Microdata Sample (2018)' and a 'VIEW TABLE' button is visible.

- **Categorize (recode) your age variable:**
  - Click the **Data Cart** tab
  - Click the **AGEP** variable on the left
  - Click **Create Custom Group** to begin specifying your age categories (e.g. 0, 1, 2,..18)

The screenshot shows the Data Cart interface with the following elements:

- Navigation tabs: SELECT VARIABLES, SELECT GEOGRAPHIES, **DATA CART (2)**, TABLE LAYOUT, DOWNLOAD.
- Selected Variables (2):
  - AGEP** (2 of 2 responses)
  - POVPIP (3 of 3 responses)
- Age (AGEP) details panel:
  - + CREATE CUSTOM GROUP** (highlighted)
  - Table with columns: Include in, Response Label, Value.

Include in	Response Label	Value
<input checked="" type="checkbox"/>	1 to 99 years (Top-coded****)	1 ————— 99
<input checked="" type="checkbox"/>	Under 1 year	00

Dataset: ACS 1-Year Estimates - Public Use Microdata Sample (2018) [CHANGE](#) [VIEW TABLE](#)

- **Categorize (recode) your age variable:**
  - Click into **Group label** and type a label for the first category you want to create (e.g. Under 1 year)
  - Check the box next to **Under 1 Year**
  - Click **Save Group**

SELECT VARIABLES   SELECT GEOGRAPHIES   **DATA CART (3)**   TABLE LAYOUT   DOWNLOAD

### Selected Variables (3)

**AGEP**  
2 of 2 responses

**POVPIP**  
3 of 3 responses

**AGEP\_RC1**  
1 of 1 responses

### Age recode

**AUTO GROUP**

Under 1 year

Show on table

Group Label  
Under 1 year

12 / 60

Add to Group

Response Label

Value

1 to 99 years (Top-coded\*\*\*\*)

1

99

Under 1 year

00

CANCEL

**SAVE GROUP**

- **Categorize (recode) your age variable:**
  - Click into **Auto Group** in the upper right
  - In the pop-up box, edit the “End” range to **18** and confirm that Groups of” is set to **1** to get single year of age
  - Click **Auto Group**

Explore Data / Microdata / Custom Table

SELECT VARIABLES

SELECT GEOGRAPHIES

DATA CART (3)

### Selected Variables (3)

AGEP

2 of 2 responses

POVPIP

3 of 3 responses

AGEP\_RC1

2 of 2 responses

79

### Auto Group Variable

Start

1

End

18

Groups of:

1

CANCEL

AUTO GROUP

AUTO GROUP

EDIT GROUP

EDIT GROUP

- **Categorize (recode) your age variable:**
  - You have now created categories for age 0, 1, 2, ....18. Ages 19-99 are in the group “Not elsewhere classified”
  - Click **Edit Group** for “Not Elsewhere Classified” to rename the category

The screenshot shows the 'DATA CART (3)' interface with the following elements:

- Navigation:** SELECT VARIABLES, SELECT GEOGRAPHIES, **DATA CART (3)**, TABLE LAYOUT, DOWNLOAD
- Selected Variables (3):**
  - AGEP**: 2 of 2 responses
  - POVPIP**: 3 of 3 responses
  - AGEP\_RC1**: 20 of 20 responses
- Age recode** section:
  - Not Elsewhere Classified**: VALUES: 19:99. The **EDIT GROUP** button is highlighted with a red box.
  - Under 1 year**: VALUES: 00. **EDIT GROUP** button.
  - 1**: VALUES: 1. **EDIT GROUP** button.
  - 2**: VALUES: 2. **EDIT GROUP** button.
- Buttons:** AUTO GROUP (top right), VIEW TABLE (bottom right)
- Dataset:** ACS 1-Year Estimates - Public Use Microdata Sample (2018) **CHANGE**



- Categorize (recode) your age variable:
  - Click into **Group Label** and rename the category (e.g. 19+)
  - Click **Save Group** in the lower right

The screenshot displays the 'Age recode' configuration interface. On the left, a 'Selected Variables (3)' panel lists 'AGEP' (2 of 2 responses), 'POVPIP' (3 of 3 responses), and 'AGEP\_RC1' (20 of 20 responses). The main configuration area is titled 'Age recode' and features an 'AUTO GROUP' button. A '19+' group is currently selected, with a 'Show on table' toggle. The 'Group Label' field is highlighted with a red box and contains the text '19+'. Below this, a table lists response labels and values:

<input type="checkbox"/> Add to Group	Response Label	Value
<input type="checkbox"/>	Between 19 and 99	19  99

At the bottom of the configuration area, there are 'CANCEL' and 'SAVE GROUP' buttons, with 'SAVE GROUP' highlighted by a red box. The bottom status bar shows the dataset as 'ACS 1-Year Estimates - Public Use Microdata Sample (2018)' with a 'CHANGE' link and a 'VIEW TABLE' button.

- **Categorize (recode) your poverty variable:**
  - Click the **POVPIP** variable on the left
  - Uncheck the box for **NA** (people not in the poverty universe)
  - Click **Create Custom Group** to begin specifying income-to-poverty ratios

SELECT VARIABLES   SELECT GEOGRAPHIES   **DATA CART (3)**   TABLE LAYOUT   DOWNLOAD

Selected Variables (3)


**AGEP**  
2 of 2 responses

**POVPIP**  
2 of 3 responses

**AGEP\_RC1**  
20 of 20 responses

**Income-to-poverty ratio recode (POVPIP)**   DETAILS ^

**+ CREATE CUSTOM GROUP**

<input type="checkbox"/> Include in Universe	Response Label	Value
<input checked="" type="checkbox"/>	Below 501 percent	0  500
<input type="checkbox"/>	N/A	-1
<input checked="" type="checkbox"/>	501 percent or more	501

Dataset: ACS 1-Year Estimates - Public Use Microdata Sample (2018)   [CHANGE](#)   [VIEW TABLE](#)

- Categorize (recode) your poverty variable:
  - Click into **Group label** and type a label for the first category you want to create (e.g. Below Poverty)
  - Check the box next **Below 501 Percent**
  - Edit the end range of age from 500 to **100** and Click **Save Group**

SELECT VARIABLES   SELECT GEOGRAPHIES   **DATA CART (4)**   TABLE LAYOUT   DOWNLOAD

Selected Variables (4)

- AGEP  
2 of 2 responses
- POVPIP  
2 of 3 responses
- POVPIP\_RC1**  
1 of 1 responses
- AGEP\_RC1  
20 of 20 responses

### Income-to-poverty ratio recode recode

**AUTO GROUP**

Below Poverty Show on table

Group Label  
Below Poverty

13 / 60

<input type="checkbox"/> Add to Group	Response Label	Value
<input checked="" type="checkbox"/>	Below 501 percent	0  100
<input type="checkbox"/>	501 percent or more	501

**CANCEL**   **SAVE GROUP**

Dataset: ACS 1-Year Estimates - Public Use Microdata Sample (2018) [CHANGE](#) [VIEW TABLE](#)

- **Categorize (recode) your poverty variable:**
  - You have now created categories for below poverty. People above poverty are in the group "Not elsewhere classified"
  - Click **Edit Group** for "Not Elsewhere Classified" to rename the category

The screenshot displays the 'DATA CART (4)' interface. On the left, under 'Selected Variables (4)', are AGEP (2 of 2 responses), POVPIP (2 of 3 responses), and POVPIP\_RC1 (2 of 2 responses). The main area shows the variable 'Income-to-poverty ratio recode recode' with an 'AUTO GROUP' button. Below it, two groups are listed: 'Not Elsewhere Classified' (VALUES: 101:500, 501) and 'Below Poverty' (VALUES: 0:100). The 'EDIT GROUP' button for 'Not Elsewhere Classified' is highlighted with a red box. At the bottom, the dataset is identified as 'ACS 1-Year Estimates - Public Use Microdata Sample (2018)' with a 'CHANGE' link and a 'VIEW TABLE' button.

- Categorize (recode) your poverty variable:
  - Click into **Group Label** and rename the category (e.g. Above Poverty)
  - Check the boxes for **Between 101 and 500** and **501 percent or more**
  - Click **Save Group** in the lower right

The screenshot shows the 'Income-to-poverty ratio recode recode' dialog in the data tool. The 'Group Label' is 'Above Poverty'. The 'Add to Group' checkboxes for 'Between 101 and 500' and '501 percent or more' are checked. The 'SAVE GROUP' button is highlighted.

SELECT VARIABLES    SELECT GEOGRAPHIES    **DATA CART (4)**    TABLE LAYOUT    DOWNLOAD

Selected Variables (4)

- AGEP  
2 of 2 responses
- POVPIP  
2 of 3 responses
- POVPIP\_RC1**  
2 of 2 responses

**Income-to-poverty ratio recode recode**    AUTO GROUP

Above Poverty    Show on table

Group Label  
Above Poverty

13 / 60

<input checked="" type="checkbox"/> Add to Group	Response Label	Value
<input checked="" type="checkbox"/>	Between 101 and 500	101 ————— 500
<input checked="" type="checkbox"/>	501 percent or more	501

CANCEL    **SAVE GROUP**

Dataset: ACS 1-Year Estimates - Public Use Microdata Sample (2018)    CHANGE    VIEW TABLE

- Confirm variable selections
  - Confirm variable selections and click the **Table Layout** tab

SELECT VARIABLES   SELECT GEOGRAPHIES   **DATA CART (4)**   **TABLE LAYOUT**   DOWNLOAD

Selected Variables (4)

- AGEP**  
2 of 2 responses
- POVPIP**  
2 of 3 responses
- POVPIP\_RC1**  
2 of 2 responses
- AGEP\_RC1**  
20 of 20 responses

**Income-to-poverty ratio recode recode**   **AUTO GROUP**

**Below Poverty**  
VALUES: 0:100   **EDIT GROUP**

**Above Poverty**  
VALUES: 101:500, 501   **EDIT GROUP**

Dataset: ACS 1-Year Estimates - Public Use Microdata Sample (2018)   **CHANGE**   **VIEW TABLE**

- **View variable placement in the default table layout:**
  - **Values in table cells Options** – When variables are shown here, you have more options to choose from in the drop down menu for “Values in table cells”
  - **Columns/Rows – Variables will be shown in the table.**
  - **Not on Table – Can restrict the universe.** By default, AGEP\_RC1 is not on the table, and it does not restrict the universe because the recode includes ages for all people. The table is restricted to people in the poverty universe because we unchecked the box for “NA”

**Custom Table**

- "Values in table cells" Options (2)
  - AGEP 2 of 2 responses
  - POVPIP 2 of 3 responses
- Columns (0)
  - columns (maximum 400)
- Rows (1)
  - 12 rows (maximum 2000)
- SELECTED GEOGRAPHIES 12 of 12 responses
- Not on table (2)
  - (may restrict the sample universe)
  - POVPIP\_RC1 2 of 2 responses
  - AGEP\_RC1 20 of 20 responses

**Table Preview**

Drag and drop variables between sections on the left; see results on table layout below.

Values in table cells: Average of Income-to-poverty ratio recode (POVPIP)

Universe: selected geographies: Phoenix City (Northeast) PU..., Phoenix City (Northeast Cen..., Phoenix City (Northwest Cen..., Phoenix City (Uptown) PUMA, ..., Phoenix City (East) PUMA, A..., Phoenix City--Downtown & Sk..., Phoenix City (South) PUMA, ..., Phoenix City--Ahwatukee & S..., Phoenix City--Maryvale (Eas..., Phoenix City--Maryvale (Wes..., Phoenix City (West) PUMA, A..., Phoenix City (North) PUMA, ...; Income-to-poverty ratio recode (POVPIP): Below 501 percent, 501 percent or more

Selected Geographies		
Phoenix City (Northeast) PUMA, Arizona		???
Phoenix City (Northeast Central) PUMA, Arizona		???
Phoenix City (Northwest Central) PUMA, Arizona		???
Phoenix City (Uptown) PUMA, Arizona		???
Phoenix City (East) PUMA, Arizona		???
Phoenix City--Downtown & Sky Harbor International Airport PUMA, Arizona		???
Phoenix City (South) PUMA, Arizona		???
Phoenix City--Ahwatukee & South Mountain PUMA, Arizona		???
Phoenix City--Maryvale (East) PUMA, Arizona		???
Phoenix City--Maryvale (West) PUMA, Arizona		???

- Edit Table Layout:
  - Move Selected Geography to Columns:
    - **Click, hold and drag Selected Geographies on the left side of the page up to the columns heading.** This will give you a table layout similar to prefabricated ACS tables on data.census.gov, where each geography has its own column

SELECT VARIABLES   SELECT GEOGRAPHIES   DATA CART (4)   **TABLE LAYOUT**   DOWNLOAD

### Custom Table

"Values in table cells" Options (2)  
Determines order in list; cannot move to row/column

AGEP 2 of 2 responses

POVPIP 2 of 3 responses

**Columns (0)**  
columns (maximum 400)

Rows (1)  
12 rows (maximum 2000)

**SELECTED GEOGRAPHIES** 12 of 12 responses

**SELECTED GEOGRAPHIES** 12 of 12 responses

Not on table (2)  
(may restrict the sample universe)

POVPIP\_RC1 2 of 2 responses

AGEP\_RC1 20 of 20 responses

### Table Preview

Drag and drop variables between sections on the left; see results on table layout below.

Values in table cells:  
Average of Income-to-poverty ratio recode (POVPIP)

Universe: selected geographies: Phoenix City (Northeast) PU..., Phoenix City (Northeast Cen..., Phoenix City (Northwest Cen..., Phoenix City (Uptown) PUMA, ..., Phoenix City (East) PUMA, A..., Phoenix City--Downtown & Sk..., Phoenix City (South) PUMA, ..., Phoenix City--Ahwatukee & S..., Phoenix City--Maryvale (Eas..., Phoenix City--Maryvale (Wes..., Phoenix City (West) PUMA, A..., Phoenix City (North) PUMA, ...; Income-to-poverty ratio recode (POVPIP): Below 501 percent, 501 percent or more

Selected Geographies		
Phoenix City (Northeast) PUMA, Arizona		???
Phoenix City (Northeast Central) PUMA, Arizona		???
Phoenix City (Northwest Central) PUMA, Arizona		???
Phoenix City (Uptown) PUMA, Arizona		???
Phoenix City (East) PUMA, Arizona		???
Phoenix City--Downtown & Sky Harbor International Airport PUMA, Arizona		???
Phoenix City (South) PUMA, Arizona		???
Phoenix City--Ahwatukee & South Mountain PUMA, Arizona		???
Phoenix City--Maryvale (East) PUMA, Arizona		???
Phoenix City--Maryvale (West) PUMA, Arizona		???



- Edit Table Layout:
  - Move POVPIP\_RC1 to Rows:
    - Click, hold and drag POVPIP\_RC1 on the left side of the page up to the rows heading. Repeat this for AGEP\_RC1.

SELECT VARIABLES   SELECT GEOGRAPHIES   DATA CART (4)   **TABLE LAYOUT**   DOWNLOAD

### Custom Table

"Values in table cells" Options (2)  
Determines order in list; cannot move to row/column

AGEP	2 of 2 responses
POVPIP	2 of 3 responses

Columns (1)  
12 columns (maximum 400)

SELECTED GEOGRAPHIES   12 of 12 responses

**Rows (0)**  
rows (maximum 2000)

Not on table (2)

POVPIP_RC1	2 of 2 responses
POVPIP_RC1	2 of 2 responses
AGEP_RC1	20 of 20 responses

### Table Preview

Drag and drop variables between sections on the left; see results on table layout below.

Values in table cells:  
Average of Income-to-poverty ratio recode (POVPIP)

Universe: selected geographies: Phoenix City (Northeast PU..., Phoenix City (Northeast Cen..., Phoenix City (Northwest Cen..., Phoenix City (Uptown) PUMA, ..., Phoenix City (East) PUMA, A..., Phoenix City--Downtown & Sk..., Phoenix City (South) PUMA, ..., Phoenix City--Ahwatukee & S..., Phoenix City--Maryvale (Eas..., Phoenix City--Maryvale (Wes..., Phoenix City (West) PUMA, A..., Phoenix City (North) PUMA, ...; Income-to-poverty ratio recode (POVPIP): Below 501 percent, 501 percent or more

Selected Geographies

Phoenix City (Northeast) PUMA, Arizona	Phoenix City (Northeast Central) PUMA, Arizona	Phoenix City (Northwest Central) PUMA, Arizona	Phoenix City (Uptown) PUMA, Arizona	Phoenix City (East) PUMA, Arizona	Phoenix City--Downtown & Sky Harbor International Airport PUMA, Arizona	Phoenix City (South) PUMA, Arizona	Phoenix City (North) PUMA, Arizona
???	???	???	???	???	???	???	???

- Choose type of values in table cells
  - Change the “Value in table cells” option from Average of Income-to-poverty ratio recode (POVPIP) to **Count** for data for the total number people in poverty by age.

SELECT VARIABLES   SELECT GEOGRAPHIES   DATA CART (4)   **TABLE LAYOUT**   DOWNLOAD

### Custom Table

"Values in table cells" Options (2)  
Determines order in list; cannot move to row/column

- AGEP 2 of 2 responses
- POVPIP 2 of 3 responses

Columns (1)  
12 columns (maximum 400)

SELECTED GEOGRAPHIES 12 of 12 responses

Rows (2)  
40 rows (maximum 2000)

- POVPIP\_RC1 2 of 2 responses
- AGEP\_RC1 20 of 20 responses

Not on table (0)  
(may restrict the sample universe)

### Table Preview

Drag and drop variables between sections on the left; see results on table layout below.

Values in table cells:

- Count**
- Average of Age (AGEP)
- Average of Income-to-poverty ratio recode (POVPIP)

Universe: selected geographies: Phoenix City (Northeast PU..., Phoenix City (Northeast Cen..., Phoenix City (Northwest Cen..., Phoenix City (Uptown) PUMA..., Phoenix City (East) PUMA, A..., Phoenix City--Downtown & Sk..., Phoenix City (South) PUMA, ..., Phoenix City--Ahwatukee & S..., Phoenix City--Maryvale (Eas..., Phoenix City--Maryvale (Wes..., Phoenix City (West) PUMA, A..., Phoenix City (North) PUMA, ...; Income-to-poverty ratio recode (POVPIP): Below 501 percent, 501 percent or more

	Arizona	PUMA, Arizona	Phoenix City (Northeast Central) PUMA, Arizona	Phoenix City (Northwest Central) PUMA, Arizona	Phoenix City (Uptown) PUMA, Arizona	Phoenix City (East) PUMA, Arizona	Phoenix City--Downtown & Sky Harbor International Airport PUMA, Arizona
Below Poverty (20)							
19+	???	???	???	???	???	???	???
Under 1 year	???	???	???	???	???	???	???
1	???	???	???	???	???	???	???
2	???	???	???	???	???	???	???
3	???	???	???	???	???	???	???
4	???	???	???	???	???	???	???
5	???	???	???	???	???	???	???
6	???	???	???	???	???	???	???
7	???	???	???	???	???	???	???
8	???	???	???	???	???	???	???
-	???	???	???	???	???	???	???

Dataset: ACS 1-Year Estimates - Public Use Microdata Sample (2018) [CHANGE](#) [VIEW TABLE](#)

- **Confirm Table Layout:**
  - Confirm table layout and click **View Table** in the lower right

SELECT VARIABLES   SELECT GEOGRAPHIES   DATA CART (4)   **TABLE LAYOUT**   DOWNLOAD

### Custom Table

"Values in table cells" Options (2)  
Determines order in list; cannot move to row/column

AGEP 2 of 2 responses

POVPIP 2 of 3 responses

Columns (1)  
12 columns (maximum 400)

SELECTED GEOGRAPHIES 12 of 12 responses

Rows (2)  
40 rows (maximum 2000)

POVPIP\_RC1 2 of 2 responses

AGEP\_RC1 20 of 20 responses

Not on table (0)  
(may restrict the sample universe)

### Table Preview

Drag and drop variables between sections on the left; see results on table layout below.

Values in table cells: Count

Universe: selected geographies: Phoenix City (Northeast) PU..., Phoenix City (Northeast Cen..., Phoenix City (Northwest Cen..., Phoenix City (Uptown) PUMA, ..., Phoenix City (East) PUMA, A..., Phoenix City--Downtown & Sk..., Phoenix City (South) PUMA, ..., Phoenix City--Ahwatukee & S..., Phoenix City--Maryvale (Eas..., Phoenix City--Maryvale (Wes..., Phoenix City (West) PUMA, A..., Phoenix City (North) PUMA, ...; Income-to-poverty ratio recode (POVPIP): Below 501 percent, 501 percent or more

Show Total

Age recode (AGEP RC1)	Selected Geographies					
	Total	Phoenix City (Northeast) PUMA, Arizona	Phoenix City (Northeast Central) PUMA, Arizona	Phoenix City (Northwest Central) PUMA, Arizona	Phoenix City (Uptown) PUMA, Arizona	Phoenix City (East) PUMA, Arizona
?? (40)	0	0	0	0	0	0
Below Poverty (20)	0	0	0	0	0	0
19+	???	???	???	???	???	???
Under 1 year	???	???	???	???	???	???
1	???	???	???	???	???	???
2	???	???	???	???	???	???
3	???	???	???	???	???	???
4	???	???	???	???	???	???
5	???	???	???	???	???	???
6	???	???	???	???	???	???

Dataset: ACS 1-Year Estimates - Public Use Microdata Sample (2018) [CHANGE](#)

**VIEW TABLE**

# View Table:

- The estimated number of people under the age of 1 in poverty in 2018 is:
  - Phoenix City (Northeast) PUMA, Arizona: 132
  - Phoenix City (Northeast Central) PUMA, Arizona: 236
  - Phoenix City (Northwest Central) PUMA, Arizona: 206
  - Phoenix City (Uptown) PUMA, Arizona: 1,083
  - Phoenix City (East) PUMA, Arizona: 155
  - Phoenix City—Downtown & Sky Harbor International Airport PUMA, Arizona: 677
  - Phoenix City (South) PUMA, Arizona: 71
  - Phoenix City—Ahwatukee & South Mountain PUMA, Arizona: 255
  - Phoenix City—Maryvale (East) PUMA, Arizona: 399
  - Phoenix City—Maryvale (West) PUMA, Arizona: 498
  - Phoenix City (West) PUMA, Arizona: 554
  - Phoenix City (North) PUMA, Arizona: 99

Dataset: ACS 1-Year Estimates - Public Use Microdata Sample [CHANGE DATASET](#)

Vintage: 2018

Geography: 12 geographies selected [CHANGE GEOGRAPHY](#)

Weighting: PUMS person weight

On Columns: Selected Geographies

On Rows: POVPIP\_RC1, AGEP\_RC1

Not on Table

"Values in table cells" Options: AGEP, POVPIP

Values in table cells: Count

Universe: selected geographies: Phoenix City (Northeast) PU..., Phoenix City (Northeast Cen..., Phoenix City (Northwest Cen..., Phoenix City (Uptown) PUMA..., Phoenix City (East) PUMA, A..., Phoenix City--Downtown & Sk..., Phoenix City (South) PUMA, ..., Phoenix City--Ahwatukee & S..., Phoenix City--Maryvale (Eas..., Phoenix City--Maryvale (Wes..., Phoenix City (West) PUMA, A..., Phoenix City (North) PUMA, ...  
Income-to-poverty ratio recode (POVPIP): Below 501 percent, 501 percent or more

Show Total

	Selected Geographies												
Age recode (AGEP RC1)	Total	Phoenix City (Northeast) PUMA, Arizona	Phoenix City (Northeast Central) PUMA, Arizona	Phoenix City (Northwest Central) PUMA, Arizona	Phoenix City (Uptown) PUMA, Arizona	Phoenix City (East) PUMA, Arizona	Phoenix City--Downtown & Sky Harbor International	Phoenix City (South) PUMA, Arizona	Phoenix City--Ahwatukee & South Mountain PUMA,	Phoenix City--Maryvale (East) PUMA, Arizona	Phoenix City--Maryvale (West) PUMA, Arizona	Phoenix City (West) PUMA, Arizona	Phoenix City (North) PUMA, Arizona
Total (40)	1,391,379	109,542	109,707	104,300	118,733	111,595	124,794	113,282	113,104	124,201	140,503	119,915	101,703
Total Below P...	227,365	8,225	8,454	15,257	22,481	15,651	37,413	23,670	9,429	35,120	28,642	14,721	8,302
19+	136,252	5,597	6,108	10,125	13,997	10,176	22,437	13,430	4,655	17,385	13,946	12,010	6,386
Under 1 year	4,365	132	236	206	1,083	155	677	71	255	399	498	554	99
1	5,320	268	0	306	974	284	1,042	631	0	688	526	520	81
2	6,565	152	276	530	590	68	1,050	537	805	1,172	1,262	47	76
	4,256	287	239	144	361	227	522	244	609	1,033	305	69	216
	5,151	0	0	309	349	509	1,442	202	269	1,179	666	156	70

# Our Development Depends on YOUR Feedback


United States  
**Census**  
Bureau

## Explore Census Data

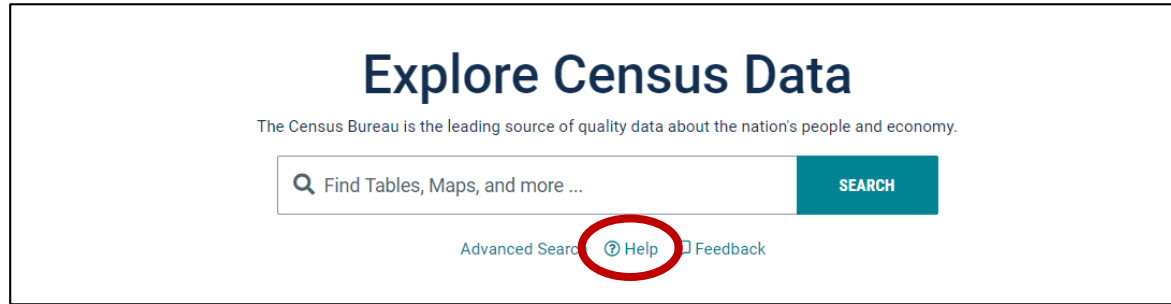
The Census Bureau is the leading source of quality data about the nation's people and economy.

Find Tables, Maps, and more ...

[Advanced Search](#) [Help](#) [Feedback](#)

**Send Feedback**   
cedsci.feedback@census.gov

# NEW Survey – Tell Us About Your Experience on data.census.gov



WHAT IS DATA.CENSUS.GOV?  
About data.census.gov  
News and Updates  
Guidance for Data Users  
Outreach  
< Back to Data

## data.census.gov Resources

The vision for data.census.gov is to improve the customer experience by making data available from one centralized place so that data users spend less time searching for data and content, and more time using it.



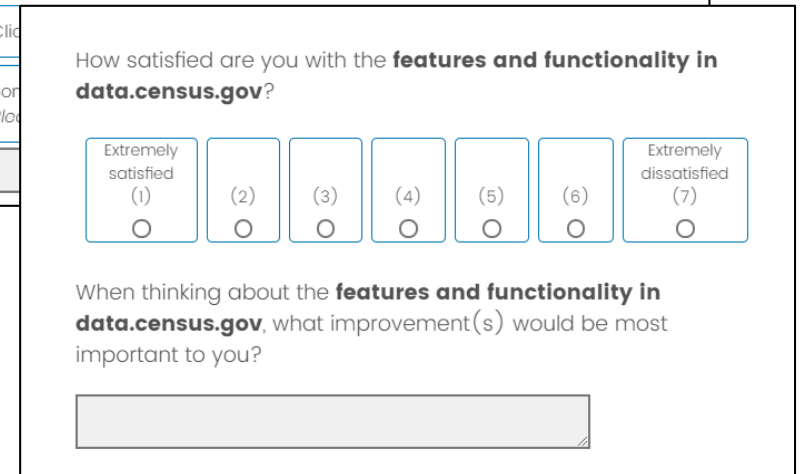
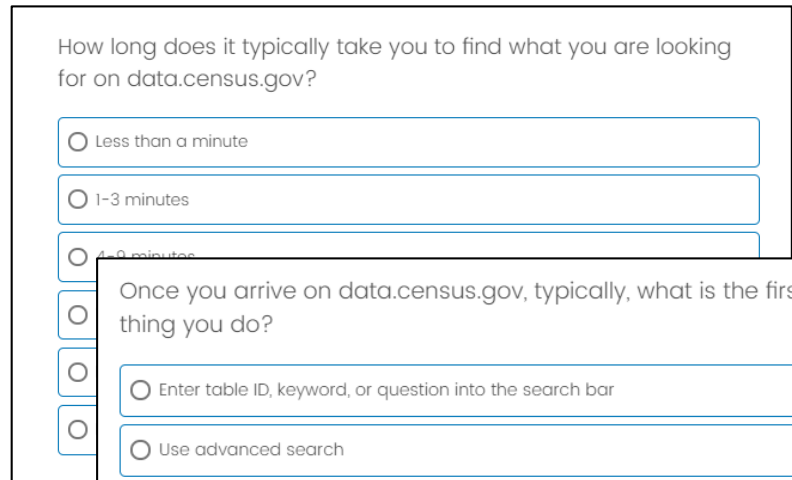
data.census.gov



Census API Developers



Microdata Access



[https://research.rm.census.gov/jfe/form/SV\\_0kc2c26tnQRrJcx](https://research.rm.census.gov/jfe/form/SV_0kc2c26tnQRrJcx)

# Stay Connected

**data.census.gov Resources page:**

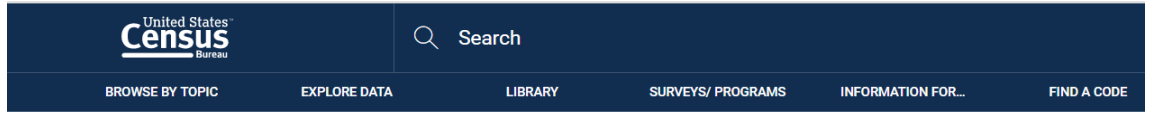
[census.gov/data/what-is-data-census-gov.html](https://www.census.gov/data/what-is-data-census-gov.html)

**Census Academy:**

[census.gov/data/academy/webinars/upcoming.html](https://www.census.gov/data/academy/webinars/upcoming.html)

**Feedback:** Email comments to [cedsci.feedback@census.gov](mailto:cedsci.feedback@census.gov)

KaNin Reese  
Chief, Dissemination Outreach Branch  
Center for Enterprise Dissemination  
U.S. Census Bureau  
[kanin.l.reese@census.gov](mailto:kanin.l.reese@census.gov)  
301-763-3493




WHAT IS DATA.CENSUS.GOV?  
About data.census.gov  
News and Updates  
Guidance for Data Users  
Outreach  
< Back to Data



## data.census.gov Resources

The vision for data.census.gov is to improve the customer experience by making data available from one centralized place so that data users spend less time searching for data and content, and more time using it.



## **How-to Materials for Using the Microdata Access**

 Do you have questions on how to use Microdata Access? Check out our step-by-step guidance to learn how to use Microdata Access to create your own tabulations.

-  [Using Microdata Access: With ACS 1-Year Estimates – Public Use Microdata Sample](#) [1.5 MB]
-  [Using Microdata Access: How To Create Poverty Estimates From The CPS ASEC](#) [2.4 MB]