

# Transition to Microdata Access

Oregon Data Users Meeting  
September 23, 2020

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U.S. Census Bureau

# 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)

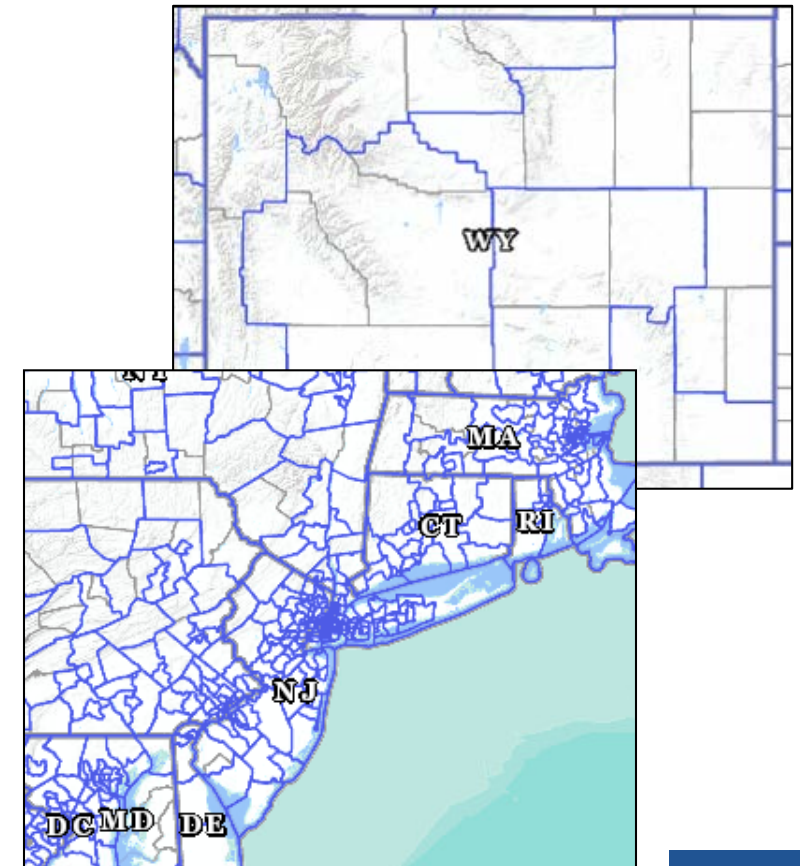
# Public Use Microdata Areas (PUMA)

## 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).



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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 Oregon

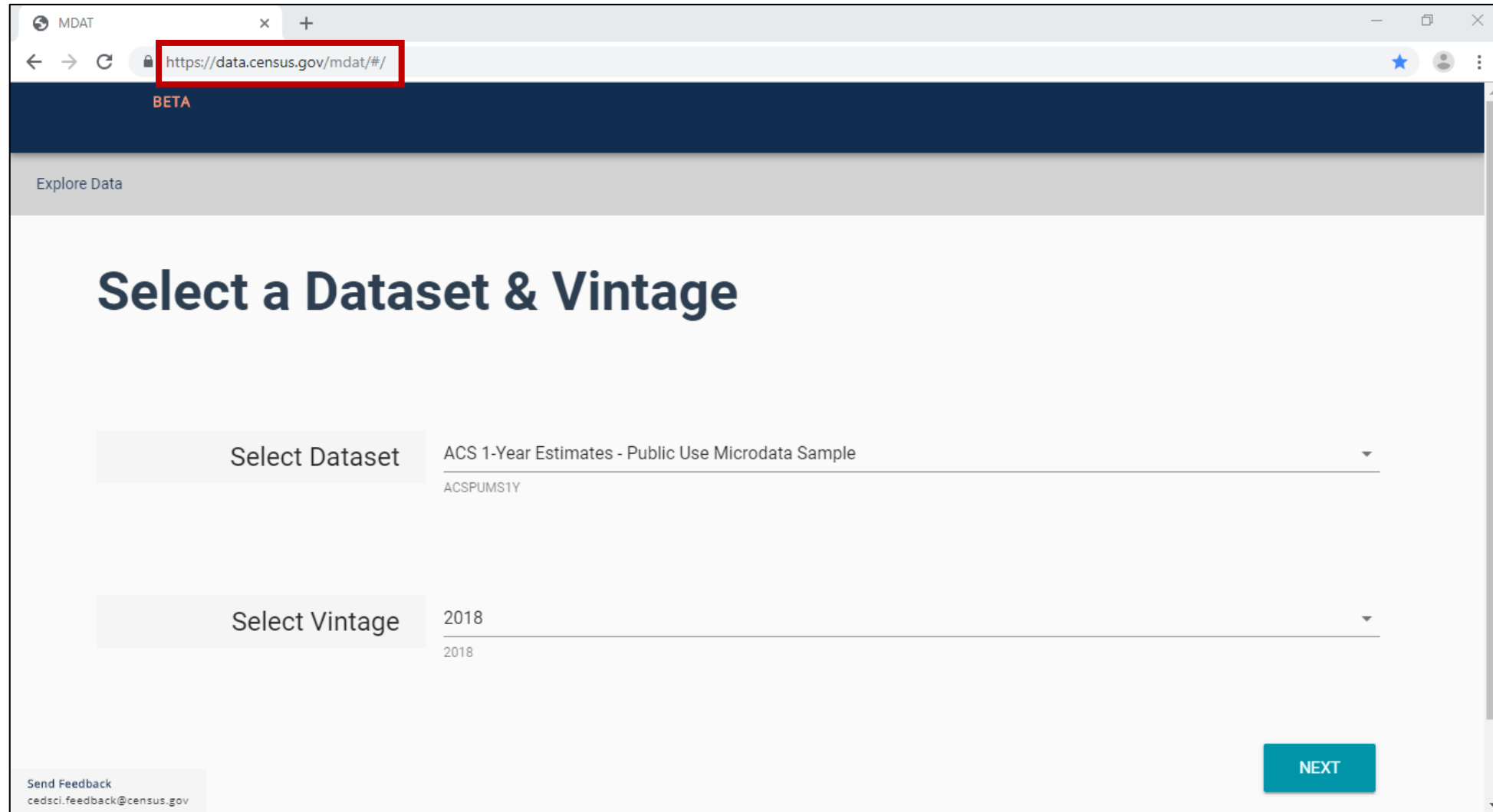


# Table B01001I – Sex by Age (Hispanic or Latino)

	Oregon	
Label	Estimate	Margin of Error
35 to 44 years	40,808	±1,982
45 to 54 years	33,215	±2,006
55 to 64 years	16,310	±1,035
65 to 74 years	7,731	±1,199
75 to 84 years	4,313	±1,120
85 years and over	1,120	±624
▼ Female:	269,654	±1,926
Under 5 years	26,031	±1,133
5 to 9 years	25,504	±2,665
10 to 14 years	26,484	±2,833
15 to 17 years	17,376	±1,291
18 and 19 years	11,296	±1,840
20 to 24 years	23,092	±2,039
25 to 29 years	22,125	±1,304
30 to 34 years	19,431	±1,482
35 to 44 years	40,671	±1,828
45 to 54 years	27,488	±1,730
55 to 64 years	16,864	±887
65 to 74 years	7,823	±1,100
75 to 84 years	4,267	±1,001

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"/>	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 data explorer. The interface includes navigation tabs: 'SELECT VARIABLES' (active), 'SELECT GEOGRAPHIES', 'DATA CART (1)', 'TABLE LAYOUT', and 'DOWNLOAD'. Below the tabs, it indicates 'Showing 1 of 507 Variables' and 'Selected: 1 variable (1 column, 24 rows)'. A table lists the selected variable:

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

Below the table, the 'Description' for 'Hispanic recode' is shown as 'Hispanic recode Variable Universe Description: ALL'. The 'Values' section lists categories: 01 -- Not Spanish/Hispanic/Latino, 02 -- Mexican, 03 -- Puerto Rican, 04 -- Cuban, 05 -- Dominican, and 06 -- Costa Rican. A red box highlights the search boxes for 'hisp' and 'hispanic', and another red box highlights the 'DETAILS' link. 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.

## ■ 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

Explore Data / Microdata / Custom Table

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

filter by Topic  Search is not enabled in this beta version

Showing 1 of 507 Variables Selected: 2 variables (2 columns, 24 rows)

<input type="checkbox"/>	Variable	Label	Number of Values	Type	
<input checked="" type="checkbox"/>	SEX	Sex	2	3) Edited Items, Estimate, Recodes	<a href="#">^ DETAILS</a>

**Description:**  
Sex Variable Universe Description: ALL

**Values:**

- 1 -- Male
- 2 -- Female

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

## ■ 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	2	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 **Oregon**

Explore Data / Microdata / Custom Table

SELECT VARIABLES

**SELECT GEOGRAPHIES**

DATA CART (3)

TABLE LAYOUT

DOWNLOAD

GEOGRAPHIES

Region

Division

**State**

Public Use Microdata Area (PUMA)

STATE

NEW YORK

North Carolina

North Dakota

Ohio

Oklahoma

Oregon

Pennsylvania

Rhode Island

South Carolina

South Dakota

Tennessee

Oregon

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

[CHANGE](#)

[VIEW TABLE](#)



- **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. Other rows are checked.

Explore Data/ Microdata/ Custom Table

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

Selected Variables (3)

**AGEP**  
2 of 2 responses

**SEX**  
2 of 2 responses

**HISP**  
23 of 24 responses

**Hispanic recode (HISP)** DETAILS ^

+ CREATE CUSTOM GROUP

<input checked="" type="checkbox"/> 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)

Explore Data / Microdata / Custom Table

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

Selected Variables (3)

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

Age (AGEP) DETAILS ^

**+ CREATE CUSTOM GROUP**

<input checked="" type="checkbox"/> 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 ————— 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+

Add to Group   Response Label   Value

  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 (Oregon) 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: Average of Age (AGEP)   Universe: selected geographies: Oregon; Hispanic recode (HISP): all except: Not Spanish/Hispanic/Latino

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

## ■ 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)

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: Oregon; Hispanic recode (HISP): all except: Not Spanish/Hispanic/Latino

Hispanic recode (HISP)	Sex (SEX)	
	Male	Female
Oregon (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: Oregon; Hispanic recode (HISP): all except: Not Spanish/Hispanic/Latino

Hispanic recode	Selected Geographies	
	Oregon	
	Sex (SEX)	
	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 Oregon

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

Average of Age (AGEP)

Universe: selected geographies: Oregon; 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 22 of 24 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: Oregon; Hispanic recode (HISP): all except: Not Spanish/Hispanic/Latino

Count

Show Total

Age recode	Selected Geographies		
	Oregon		
	Sex (SEX)		
Total Sex (SEX)	Male	Female	
?? (2)	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 42,632 female Hispanic people age 50 and older in Oregon in 2018
- There were an estimated 226,728 female Hispanic people age between 0 and 49 in OR 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: Oregon; Hispanic recode (HISP): all except: Not Spanish/Hispanic/Latino

Count

Show Total

Age recode	Selected Geographies		Sex (SEX)	
	Total Sex (SEX)	Male	Female	
Total (2)	556,075	286,715	269,360	
Age 50+	85,888	43,256	42,632	
Age 0-49	470,187	243,459	226,728	

Send Feedback  
cedsci.feedback@census.gov

# Demo

Example 2:

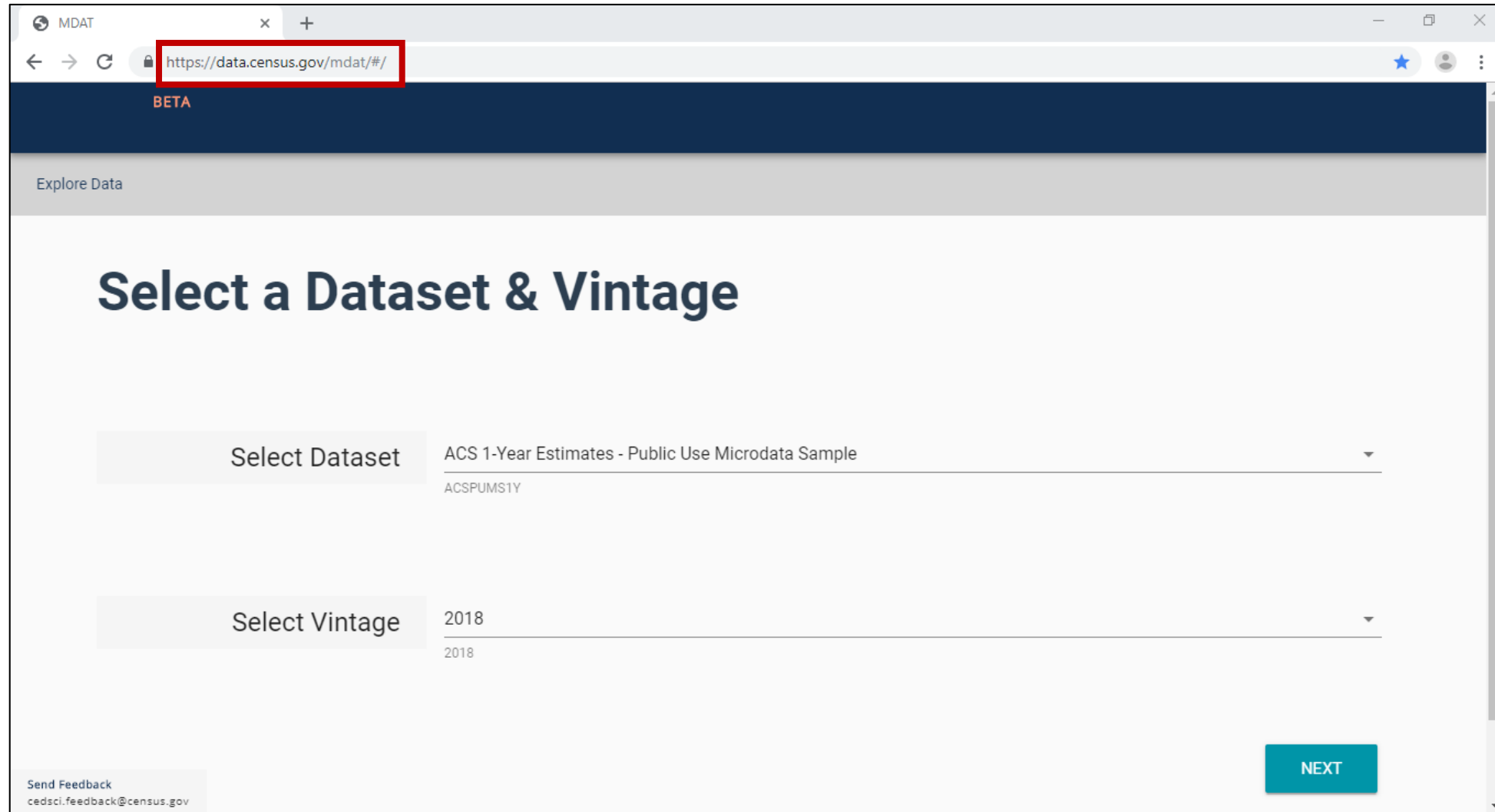
Work from Home by Detailed Industry in Oregon

# Table B08126 – Worked at Home by Industry

MEANS OF TRANSPORTATION TO WORK BY INDUSTRY			
Survey/Program: American Community Survey		Product: 2018: ACS 1-Year Estimates Detailed Tables	
TableID: B08126		Universe: Workers 16 years and over	
	Oregon		
Label	Estimate	Margin of Error	
Wholesale trade	1,536	±656	
Retail trade	8,100	±1,583	
Transportation and warehousing, and utilities	3,279	±930	
Information	691	±365	
Finance and insurance, and real estate and rental and leasing	2,044	±814	
Professional, scientific, and management, and administrative and waste management services	9,801	±1,643	
Educational services, and health care and social assistance	13,355	±1,910	
Arts, entertainment, and recreation, and accommodation and food services	7,742	±2,111	
Other services (except public administration)	1,942	±768	
Public administration	2,666	±747	
Armed forces	7	±22	
▼ Worked at home:	148,880	±7,803	
Agriculture, forestry, fishing and hunting, and mining	5,672	±1,432	
Construction	6,191	±1,685	
Manufacturing	10,020	±1,520	
Wholesale trade	4,656	±1,307	
Retail trade	11,479	±1,818	
Transportation and warehousing, and utilities	3,832	±1,121	
Information	4,655	±1,191	
Finance and insurance, and real estate and rental and leasing	14,217	±1,873	
Professional, scientific, and management, and administrative and waste management services	39,031	±3,488	
Educational services, and health care and social assistance	25,202	±2,613	

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	<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 registration	11	Estimate	<a href="#">DETAILS</a>

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 the selected variable:

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

Below the table, there is a 'Description:' section with the text 'Transportation to work Variable Universe Description: AT WORK, CIVILIAN OR NONCIVILIAN' and a 'Values:' section with a list of 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, and 5 -- Railroad. A red arrow points to the 'DETAILS' button in the table row. At the bottom, it shows 'Dataset: ACS 1-Year Estimates - Public Use Microdata Sample (2018)' with a 'CHANGE' link and a 'VIEW TABLE' button.

- **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

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

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

**Details for INDP:**

**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 **Oregon**

The screenshot shows the 'SELECT GEOGRAPHIES' tab in a data tool interface. The 'GEOGRAPHIES' section on the left has 'State' selected. The 'STATE' list on the right has 'Oregon' checked. A 'Dataset: ACS 1-Year Estimates - Public Use Microdata Sample (2018)' is shown at the bottom, with a 'VIEW TABLE' button.

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

GEOGRAPHIES

Region

Division

**State**

Public Use Microdata Area (PUMA)

STATE

- Ohio
- Oklahoma
- Oregon
- Pennsylvania
- Rhode Island
- South Carolina
- South Dakota
- Tennessee
- Texas
- Utah
- Vermont

Oregon ✕

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

- **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 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 (Oregon) 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: Count    Universe: selected geographies: Oregon; 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)	
Oregon (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: Oregon; Transportation to work (JWTR): Worked At Home

Show Total

Industry recode for 2018 and later based on 2017 IND codes (INDP)	Transportation to work (JWTR)
	Worked At Home
?? (271)	
Oregon (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	??

## ■ 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

**JWTR**   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:  

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

Show Total

	Selected Geographies	
	Oregon	
	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		???

- **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: Oregon; Transportation to work (JWTR): Worked At Home

Show Total

	Selected Geographies
Industry recode for 2018 and later based on 2017 IND codes	Oregon
▼ ??? (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 Oregon is 2,704.

**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: Universe: selected geographies: Oregon; 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)	Oregon	151,470
N/A (less than 16 years old/NILF who last worked more than 5 years ago or never worked)		0
AGR-Crop Production		2,704
AGR-Animal Production And Aquaculture		1,621
AGR-Forestry Except Logging		0
AGR-Logging		222
ig And Trapping		0

[Send Feedback](#) [cedsci.feedback@census.gov](mailto:cedsci.feedback@census.gov) [Home For Agriculture And Economy](#)

## Sort Table:

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

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

Show Total

Industry recode for 2018 and later based on 2017 IND codes	
	Selected Geographies
▼ Total (271)	151,470
PRF-Computer Systems Design And Related Services	11,739
PRF-Management, Scientific, And Technical Consulting Services	7,241
CON-Construction (The Cleaning Of Buildings And Dwellings Is Incidental During Construction And Immediately After Construction)	5,806
PRF-Architectural, Engineering, And Related Services	4,864
SCA-Child Day Care Services	4,821
ENT-Independent Artists, Writers, And Performers	4,803
FIN-Insurance Carriers	3,838
FIN-Lessors Of Real Estate, And Offices Of Real Estate Agents And Brokers	3,588
RET-Electronic Shopping And Mail-Order Houses	3,173
EDU-Other Schools And Instruction, And Educational Support Services	3,081
EDU-Elementary And Secondary Schools	2,869
AGR-Crop Production	2,704
SRV-Religious Organizations	2,684
EDU-Colleges, Universities, And Professional Schools, Including Junior Colleges	2,335
ADM-Administration Of Human Resource Programs	2,316

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- 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: Oregon; Transportation to work (JWTR): Worked At Home

Show Total

	Selected Geographies	
Industry recode for 2018 and later based on 2017 IND codes	Oregon ↓	
▼ Total (271)		151,470
PRF-Computer Systems Design And Related Services		11,739
PRF-Management, Scientific, And Technical Consulting Services		7,241
CON-Construction (The Cleaning Of Buildings And Dwellings Is Incidental During Construction And Immediately After Construction)		5,806
PRF-Architectural, Engineering, And Related Services		4,864
SCA-Child Day Care Services		4,821
Artists, Writers, And Performers		4,803
		3,838

[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**

Bookmark for your current selections; save to return later or send  
<https://data.census.gov/mdat/#/search?ds=ACS>

Query to extract PUMS records for your current selections from the  
<https://api.census.gov/data/2018/acs/acs1/pum>

Query to extract tabular (aggregated) for your current selections from the  
<https://api.census.gov/data/2018/acs/acs1/pum>

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

Source: ACS 1-Year Estimates - Public Use Microdata Sample 2018	
Weight used: PWGTP	
Universe: selected geographies: Oregon; Transportation to work (JWTR): Worked At Home	
	Selected Geographies
	Oregon
Industry recode for 2018 and later based on 2017 IND codes	
-> Total	151470
PRF-Computer Systems Design And Related Services	11739
PRF-Management, Scientific, And Technical Consulting Services	7241
CON-Construction (The Cleaning Of Buildings And Dwellings Is Incidental During Construction And Immediately After Construction)	5806
PRF-Architectural, Engineering, And Related Services	4864
SCA-Child Day Care Services	4821
ENT-Independent Artists, Writers, And Performers	4803
FIN-Insurance Carriers	3838
FIN-Lessors Of Real Estate, And Offices Of Real Estate Agents And Brokers	3588
BET-Electronic Shopping And Mail-Order Houses	3173

# Demo

Example 3:

Uninsured People Ages 40 and Over in the United States



# Table 2 – Uninsured by Age

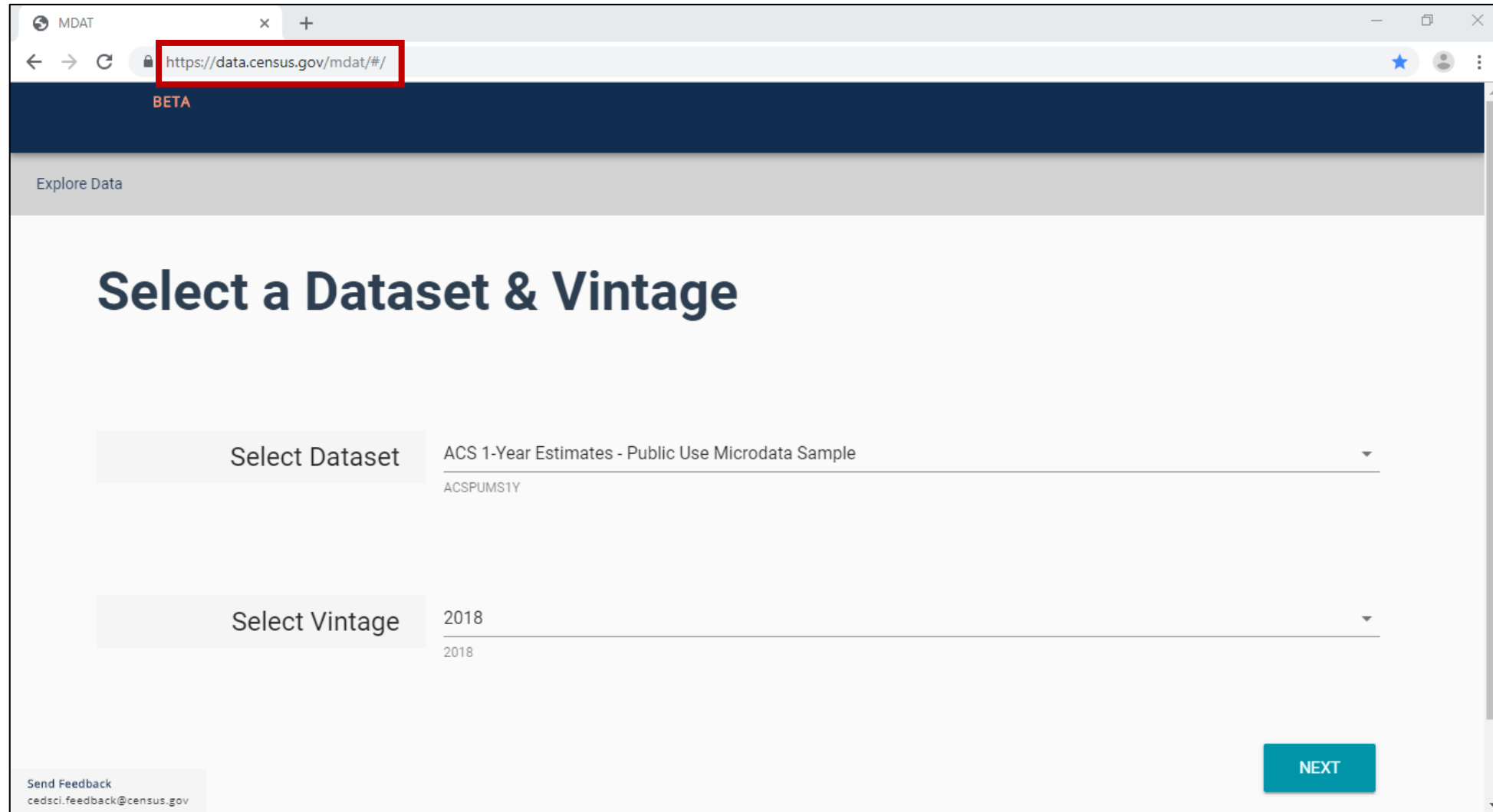
Table 2.  
Percentage of People by Type of Health Insurance Coverage by Age: 2017 and 2018

(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>				2017		2018		Change (2018 less 2017) <sup>1,*</sup>		
	Number	Number	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> (±)		Per- cent	Margin of error <sup>2</sup> (±)
							2017													2018		
<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
<input checked="" type="checkbox"/> COV	Any health insurance coverage last year	3	Edited Items
<input type="checkbox"/> NOW_COV	Currently covered by health insurance coverage	2	Edited Items
<input type="checkbox"/> NOW_HCOV	Any health insurance coverage in the HH (Now)	3	Edited Items

**^ DETAILS**

**Description:**  
Any health insurance coverage last year

**Values:**

- 0 -- Infant born after calendar year
- 1 -- Yes
- 2 -- No

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 says "filter by Topic". On the right, a search button is labeled "SEARCH" with a note: "Search is not enabled in this beta version".

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
	a_age	age		[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, the dataset is identified as "Dataset: CPS Annual Social and Economic (March) Supplement (201903)" with a "CHANGE" link. A "VIEW TABLE" button is 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**

The screenshot displays the 'DATA CART (3)' interface with the following components:

- Navigation:** 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:**
  - Age 0-39:** Show on table (checked)
  - Group Label:** Age 0-39
  - Add to Group:**
  - Response Label:** (empty)
  - Value:** 0 to 39 (Range slider)
  - Buttons:** CANCEL, SAVE GROUP
- Footer:** 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' panel 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'. A slider is visible for the 'Between 40 and 85' range, with values 40 and 85. The 'SAVE GROUP' button is also highlighted with a red box. The 'Age 0-39' group is visible below, with 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

Age 0-39  
VALUES: 0:39  

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

- 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. On the left, a 'Selected Variables (3)' panel, also highlighted with a red box, lists three variables: 'A\_AGE' (1 of 1 responses), 'COV' (2 of 3 responses), and 'A\_AGE\_RC1' (2 of 2 responses). The main content area is titled 'Demographics, Age recode' and features an 'AUTO GROUP' button. Below this, two age groups are displayed: 'Age 40+' with values 40:85 and 'Age 0-39' with values 0:39, each with 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. A 'VIEW TABLE' button is located at the bottom right.

- **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**

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

Average of Demographics, Age (A\_AGE)

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 4:

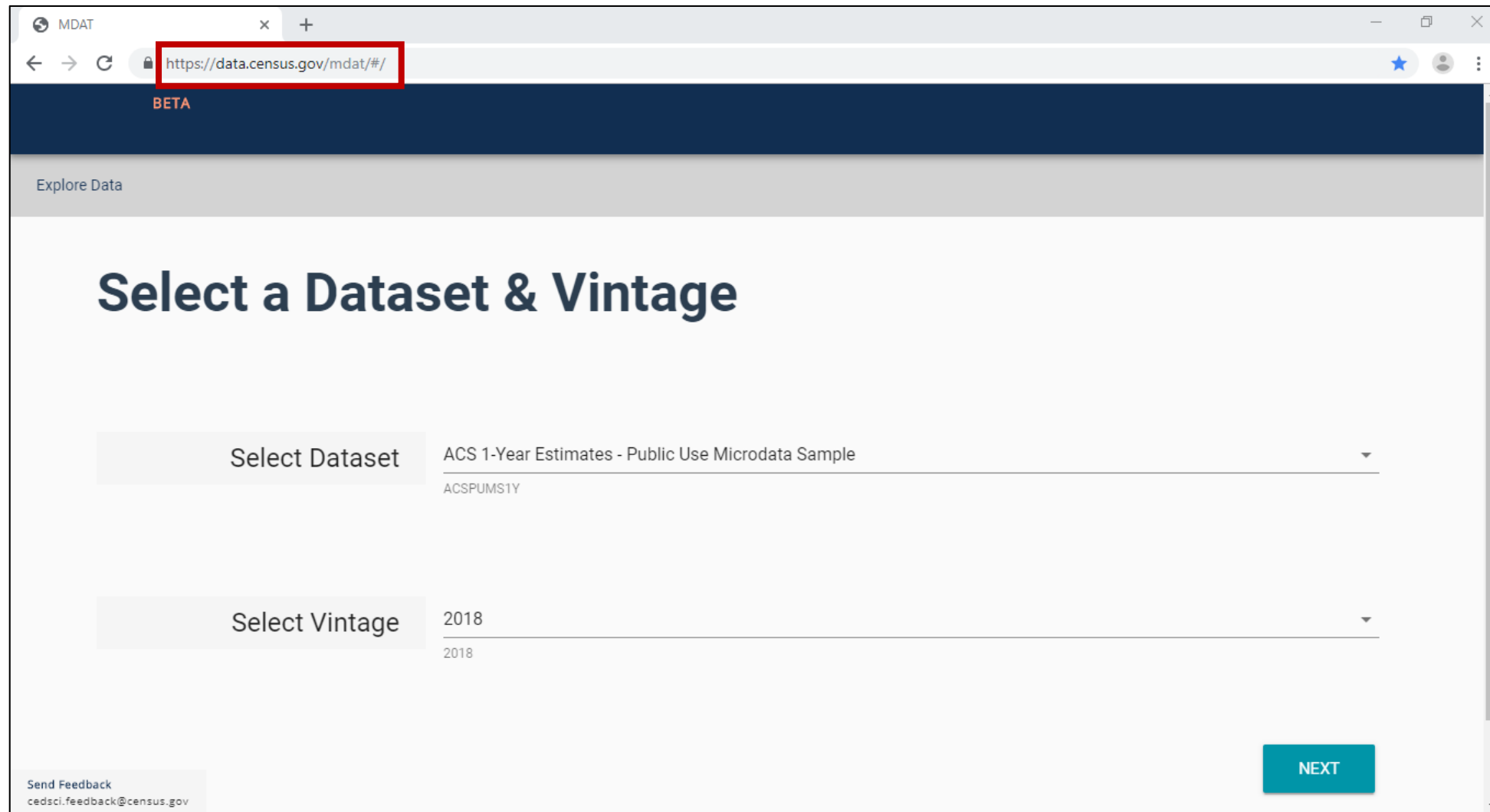
**Poverty by Single Year of Age for Children Under 18 in Portland PUMAs**

# 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		CUSTOMIZE TABLE	
TableID: B17001		Universe: Population for whom poverty status is determined			
Label	Portland City (North & Northeast) PUMA, Oregon		Portland City (East) PUMA, Oregon		Columns
	Estimate	Margin of Error	Estimate	Margin of Error	
▼ Total:	121,261	±7,169	125,375	±9,309	
▼ Income in the past 12 months below poverty level:	15,045	±4,100	19,926	±4,476	
▼ Male:	8,270	±2,454	8,945	±2,548	
Under 5 years	557	±528	525	±570	
5 years	95	±117	562	±569	
6 to 11 years	933	±1,101	930	±917	
12 to 14 years	555	±521	688	±627	
15 years	0	±207	0	±207	
16 and 17 years	37	±85	54	±93	
18 to 24 years	1,451	±1,120	504	±368	
25 to 34 years	1,645	±1,034	1,389	±536	
35 to 44 years	884	±492	1,236	±911	
45 to 54 years	580	±367	918	±577	
55 to 64 years	977	±682	1,594	±863	
65 to 74 years	516	±402	351	±244	

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 **Oregon**
  - Check the boxes for the five **Portland City PUMAs**

The screenshot shows a web interface for selecting geographies. The 'SELECT GEOGRAPHIES' tab is active and highlighted with a red box. Underneath, the 'Public Use Microdata Area (PUMA)' category is selected, and 'Oregon' is chosen from the state list. A list of Oregon PUMAs is displayed, with five Portland City PUMAs checked: 'Portland City (North & Northeast) PUMA, Oregon', 'Portland City (East) PUMA, Oregon', 'Portland City (Southeast) PUMA, Oregon', 'Portland City (Central East) PUMA, Oregon', and 'Portland City (Northwest & Southwest) PUMA, Oregon'. These five items are also enclosed in a red box. At the bottom, five tabs represent the selected PUMAs. The dataset is identified as 'ACS 1-Year Estimates - Public Use Microdata Sample (2018)' and a 'VIEW TABLE' button is visible in the bottom right corner.

Category	Item	Selected	
PUBLIC USE MICRODATA AREA (PUMA) (STATE)	North Carolina		
	North Dakota		
	Ohio		
	Oklahoma		
	<b>Oregon</b>		
	Pennsylvania		
	Rhode Island		
	South Carolina		
	OREGON	Marion County (West Central)--Salem (North), Keizer Cities & Hayesville PUMA; Oregon	
		Marion County (West Central)--Salem City (South) & Four Corners PUMA, Oregon	
Marion County (Outside Salem & Keizer Cities)--Woodburn & Silverton Cities PUMA, Oregon			
Yamhill & Polk Counties PUMA, Oregon			
<input checked="" type="checkbox"/> Portland City (North & Northeast) PUMA, Oregon		✓	
<input checked="" type="checkbox"/> Portland City (East) PUMA, Oregon		✓	
<input checked="" type="checkbox"/> Portland City (Southeast) PUMA, Oregon		✓	
<input checked="" type="checkbox"/> Portland City (Central East) PUMA, Oregon		✓	
<input checked="" type="checkbox"/> Portland City (Northwest & Southwest) PUMA, Oregon		✓	
Multnomah County (East)--Gresham & Troutdale Cities PUMA, Oregon			

- **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) variable details:
  - + 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

### 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 for the 'Age recode' variable. On the left, under 'Selected Variables (3)', the variable 'AGEP\_RC1' is selected, showing '20 of 20 responses'. The main area displays four age categories with their respective values and 'EDIT GROUP' buttons:

Category	Values	Action
Not Elsewhere Classified	VALUES: 19:99	EDIT GROUP
Under 1 year	VALUES: 00	EDIT GROUP
1	VALUES: 1	EDIT GROUP
2	VALUES: 2	EDIT GROUP

At the top of the interface, there are navigation options: 'SELECT VARIABLES', 'SELECT GEOGRAPHIES', 'DATA CART (3)', 'TABLE LAYOUT', and 'DOWNLOAD'. 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 age variable:
  - Click into **Group Label** and rename the category (e.g. 19+)
  - Click **Save Group** in the lower right

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 configuration:**
  - Group Label: 19+ (highlighted with a red box)
  - 3 / 60
  - Response Label: Between 19 and 99
  - Value: 19 to 99 (range slider)
  - Buttons: CANCEL, SAVE GROUP (highlighted with a red box)
  - Toggle: Show on table (checked)
  - Button: AUTO GROUP
- Footer:** Dataset: ACS 1-Year Estimates - Public Use Microdata Sample (2018) CHANGE VIEW TABLE

- **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**

The screenshot shows the 'Income-to-poverty ratio recode recode' interface. On the left, under 'Selected Variables (4)', the variable 'POVPIP\_RC1' is selected. The main area shows a 'Below Poverty' group configuration. The 'Group Label' is 'Below Poverty'. A table lists response categories: 'Below 501 percent' (checked) and '501 percent or more'. The range for 'Below 501 percent' is set from 0 to 100. 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**  
1 of 1 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**

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- **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 shows 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 displays the variable 'Income-to-poverty ratio recode recode' with an 'AUTO GROUP' button. Below it are two groups: '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' configuration screen. The 'Group Label' is set to 'Above Poverty'. Two categories are selected: 'Between 101 and 500' and '501 percent or more'. 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”

The screenshot displays the 'Custom Table' configuration interface. On the left, a sidebar lists various options for table construction, with a red box highlighting the 'Values in table cells' Options, Columns (0), Rows (1), and Not on table (2) sections. An arrow points from the 'Columns (0)' section to the 'Table Preview' area. The 'Table Preview' section shows the selected variable 'Average of Income-to-poverty ratio recode (POVPIP)' and the universe: 'selected geographies: Portland City (North & North..., Portland City (East) PUMA, ..., Portland City (Southeast) P..., Portland City (Central East..., Portland City (Northwest & ...; Income-to-poverty ratio recode (POVPIP): Below 501 percent, 501 percent or more'. Below this, a table lists the selected geographies: Portland City (North & Northeast) PUMA, Oregon; Portland City (East) PUMA, Oregon; Portland City (Southeast) PUMA, Oregon; Portland City (Central East) PUMA, Oregon; and Portland City (Northwest & Southwest) PUMA, Oregon.

- 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 2 responses

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

Rows (1)  
5 rows (maximum 2000)

**SELECTED GEOGRAPHIES 5 of 5 responses**

**SELECTED GEOGRAPHIES 5 of 5 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: Portland City (North & North..., Portland City (East) PUMA, ..., Portland City (Southeast) P..., Portland City (Central East..., Portland City (Northwest & ...; Income-to-poverty ratio recode (POVPIP): Below 501 percent, 501 percent or more

Selected Geographies	
Portland City (North & Northeast) PUMA, Oregon	?
Portland City (East) PUMA, Oregon	?
Portland City (Southeast) PUMA, Oregon	?
Portland City (Central East) PUMA, Oregon	?
Portland City (Northwest & Southwest) PUMA, Oregon	?

- 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)  
5 columns (maximum 400)

SELECTED GEOGRAPHIES   5 of 5 responses

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

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

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: Portland City (North & Nort..., Portland City (East) PUMA, ..., Portland City (Southeast) P..., Portland City (Central East..., Portland City (Northwest & ...); Income-to-poverty ratio recode (POVPIP): Below 501 percent, 501 percent or more

Selected Geographies

Portland City (North & Northeast) PUMA, Oregon	Portland City (East) PUMA, Oregon	Portland City (Southeast) PUMA, Oregon	Portland City (Central East) PUMA, Oregon	Portland City (Northwest & Southwest) PUMA, Oregon
???	???	???	???	???

- 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 2 responses

Columns (1)  
5 columns (maximum 400)

SELECTED GEOGRAPHIES 5 of 5 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: Portland City (North & North... Portland City (East) PUMA, ..., Portland City (Southeast) P..., Portland City (Central East..., Portland City (Northwest & ...; Income-to-poverty ratio recode (POVPIP): Below 501 percent, 501 percent or more

	Portland City (North & North... PUMA, Oregon	Portland City (East) PUMA, Oregon	Portland City (Southeast) PUMA, Oregon	Portland City (Central East) PUMA, Oregon	Portland City (Northwest & Southwest) PUMA, Oregon
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)  
5 columns (maximum 400)

SELECTED GEOGRAPHIES      5 of 5 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: Portland City (North & North..., Portland City (East) PUMA, ..., Portland City (Southeast) P..., Portland City (Central East..., Portland City (Northwest & ...; Income-to-poverty ratio recode (POVPIP): Below 501 percent, 501 percent or more

Show Total

Age recode (AGEP_RC1)	Selected Geographies					
	Total	Portland City (North & Northeast) PUMA, Oregon	Portland City (East) PUMA, Oregon	Portland City (Southeast) PUMA, Oregon	Portland City (Central East) PUMA, Oregon	Portland City (Northwest & Southwest) PUMA, Oregon
?? (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:
  - Portland City (North & Northeast) PUMA, Oregon: 197
  - Portland City (East) PUMA, Oregon: 74
  - Portland City (Southeast) PUMA, Oregon: 92
  - Portland City (Northwest & Southwest) PUMA, Oregon: 76

Dataset: ACS 1-Year Estimates - Public Use Microdata Sample [CHANGE DATASET](#) Geography: 5 geographies selected [CHANGE GEOGRAPHY](#)

Vintage: 2018 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: Portland City (North & Nort..., Portland City (East) PUMA, ..., Portland City (Southeast) P..., Portland City (Central East..., Portland City (Northwest & ...; Income-to-poverty ratio recode (POVPIP): Below 501 percent, 501 percent or more

Show Total

Age recode (AGEP RC1)	Selected Geographies					
	Total	Portland City (North & Northeast) PUMA, Oregon	Portland City (East) PUMA, Oregon	Portland City (Southeast) PUMA, Oregon	Portland City (Central East) PUMA, Oregon	Portland City (Northwest & Southwest) PUMA, Oregon
Total (40)	637,093	121,248	125,680	116,660	123,265	150,240
Total Below Poverty (20)	76,751	14,971	22,716	11,646	11,861	15,557
19+	61,354	10,358	15,822	10,658	11,088	13,428
Under 1 year	439	197	74	92	0	76
1	1,004	437	178	185	0	204
2	1,059	0	604	0	169	286
3	551	151	169	231	0	0
4	659	62	244	86	0	267
	1,448	38	1,347	0	0	63

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# Our Development Depends on YOUR Feedback


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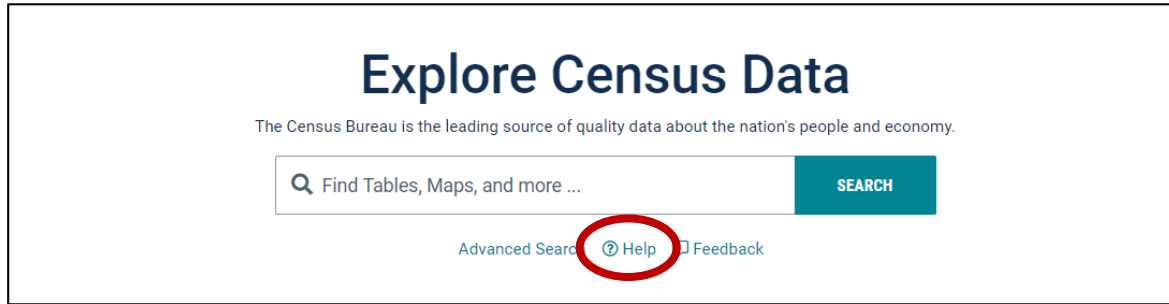
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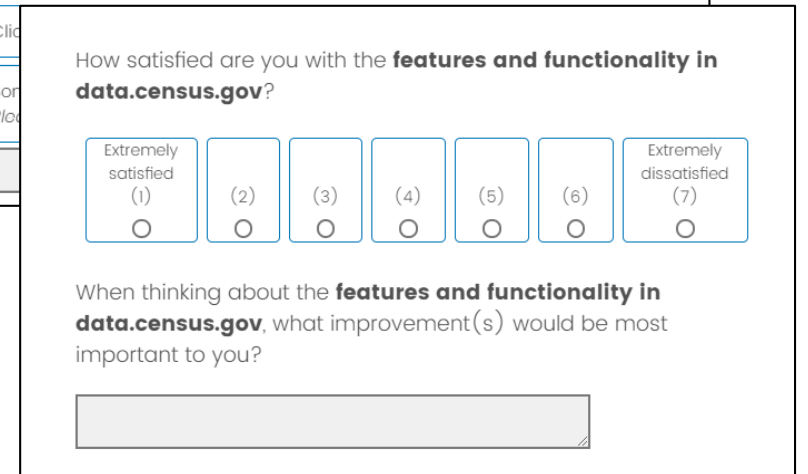
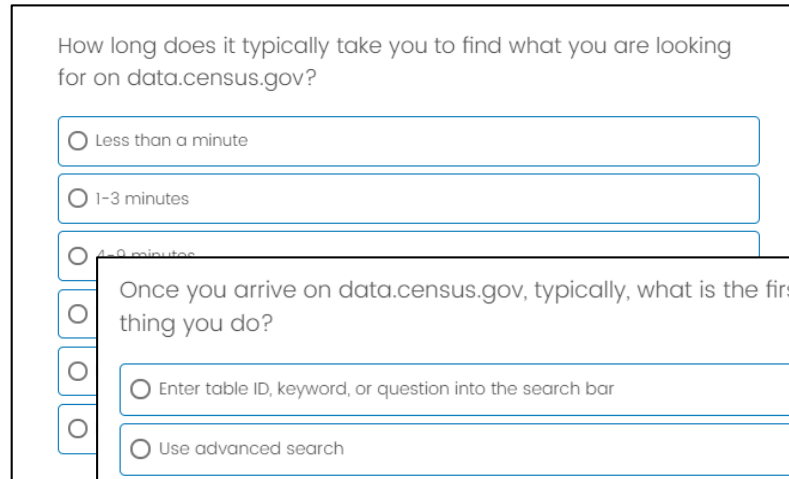
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Census API  
Developers



Microdata Access



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

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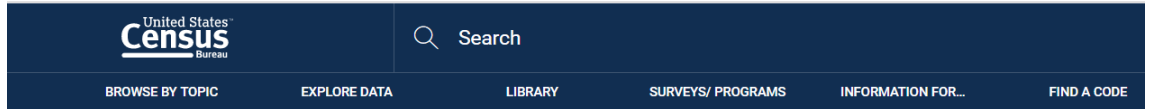
[census.gov/data/what-is-data-census-gov.html](https://census.gov/data/what-is-data-census-gov.html)

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## **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]