

How to Access Granular Data on MDAT

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Microdata = PUMS Files

Public Use Microdata

Anonymized

- No personally identifiable information
- Edits to protect confidentiality

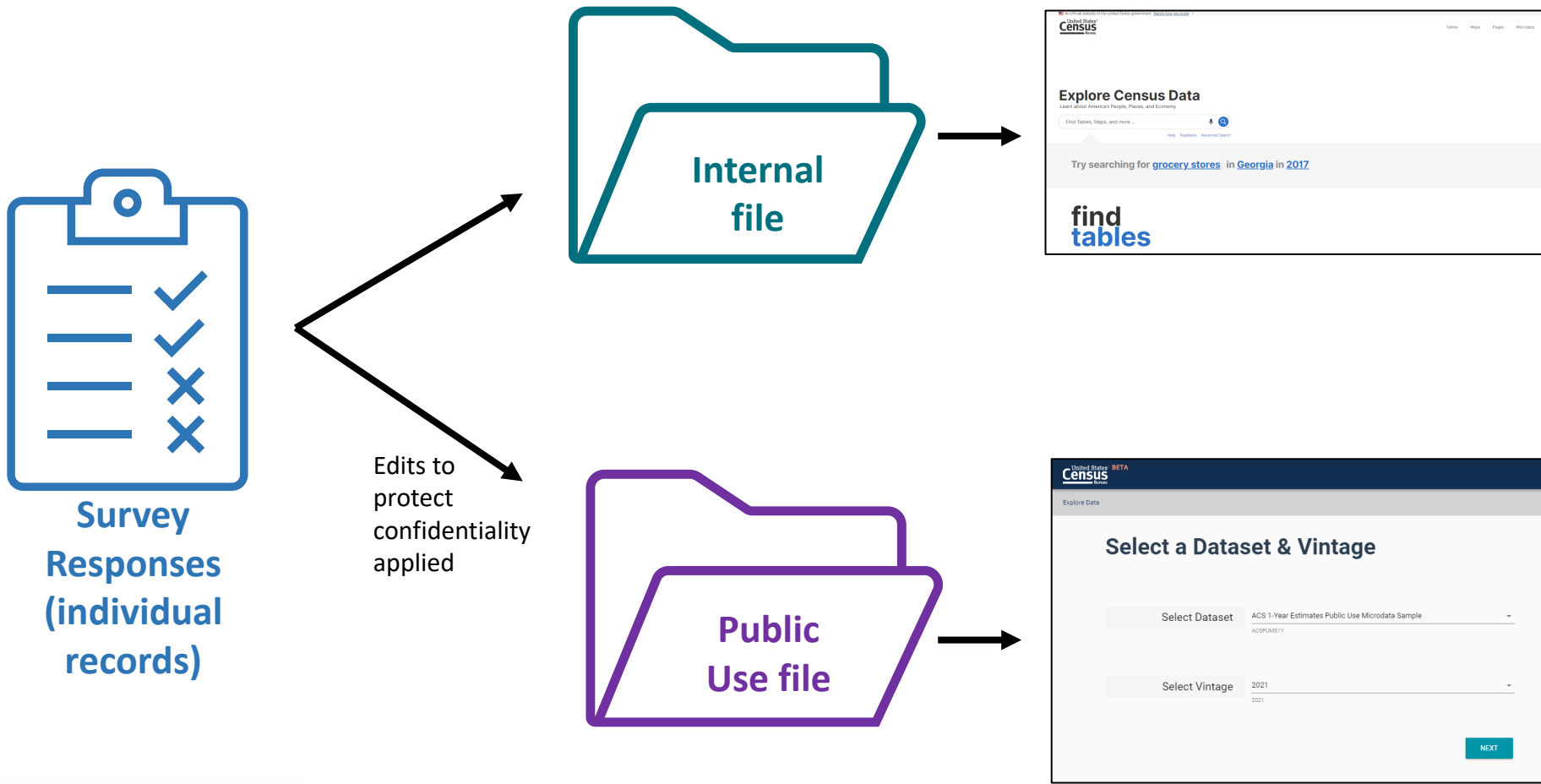
Accessible

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

Individual Responses

- Must be tabulated and weighted by user

What's the difference between data.census.gov and Microdata Access?



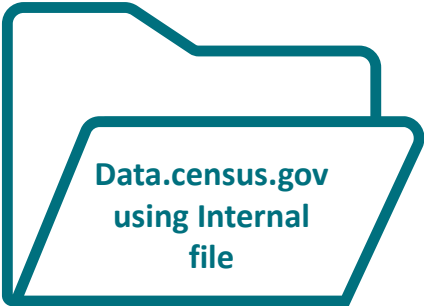
data.census.gov

- Estimates are created using individual records that are only available to Census program area staff

Microdata Access (internally known as MDAT)

- Estimates are created using a sample of individual records that have been processed for use by the public

What are the pros and cons of using data.census.gov and Microdata Access?



Pros and Cons of Using Tables found in data.census.gov

Pros:

- Provides more precise estimates
- Wider range of datasets
- Fewer limitations to available geographies
- No in-depth knowledge of variables required

Cons:

- Limited to crosstabulations and tables that are predetermined by data providers
- Limited ability to customize tables

Pros and Cons of Creating Tables in Microdata Access

Pros:

- Provides custom estimates when a pre-tabulated Census table is not available
- More historical data available
- Includes datasets not available in data.census.gov

Cons:

- Limited geographies
- Provides less precise estimates
- Requires in-depth knowledge of variables
- No margins of error provided

What's the difference between tabulated data and microdata?



Maryland		
Label	Estimate	Margin of Error
▼ Total:	3,098,870	±17,785
▼ Male:	1,565,561	±11,667
▼ Management, business, science, and arts occupations:	682,858	±11,323
▼ Management, business, and financial occupations:	286,831	±7,906
Management occupations	195,401	±6,483
Business and financial operations occupations	91,430	±5,335
▼ Computer, engineering, and science occupations:	212,203	±6,790
Computer and mathematical occupations	121,160	±5,830
Architecture and engineering occupations	54,967	±3,693
Life, physical, and social science occupations	26,075	±2,770

data.census.gov

Aggregated tables for a geography:

“In 2019 in Maryland, approximately 121,160 males worked in computer and mathematical occupations.”



SERIALNO	SPORDER	ST	SEX	OCCP
2019HU0045422	4	24	1	4710
2019HU0045422	5	24	2	9
2019HU0045422	6	24	2	9
2019HU0045644	1	24	1	2100
2019HU0045764	1	24	2	5740
2019HU0045764	2	24	1	1031
2019HU0046210	1	24	1	150
2019HU0046210	2	24	2	5740

Microdata Access (MDAT)

Microdata (a set of edited survey responses):

“This male in Maryland is a web developer.”

Data Dictionaries

American Community Survey







<https://www.census.gov/programs-surveys/acs/microdata/documentations.html>

Current Population Survey Annual Social and Economic Supplement (CPS ASEC)

<https://www.census.gov/data/datasets/2022/demo/cps/cps-asec-2022.html>

Data Dictionaries for PUMS Files

Includes variables available for each release of PUMS files on the Census Bureau FTP site, and how each variable is coded.

-  [2021 ACS 1-year PUMS Data Dictionary \[PDF\] \[<1.0 MB\]](#)
-  [2021 ACS 1-year PUMS Data Dictionary \[TXT\] \[<1.0 MB\]](#)
-  [2021 ACS 1-year PUMS Data Dictionary \[CSV\] \[<1.0 MB\]](#)
-  [2017-2021 ACS 5-year PUMS Data Dictionary \[PDF\] \[<1.0 MB\]](#)
-  [2017-2021 ACS 5-year PUMS Data Dictionary \[TXT\] \[<1.0 MB\]](#)
-  [2017-2021 ACS 5-year PUMS Data Dictionary \[CSV\] \[<1.0 MB\]](#)



2021 ACS PUMS DATA DICTIONARY	
October 20, 2022	
HOUSING RECORD	
HOUSING RECORD-BASIC VARIABLES	
RT	Character 1 Record Type H .Housing Record or Group Quarters Unit P .Person Record
SERIALNO	Character 13 Housing unit/GQ person serial number 2021GQ0000001..2021GQ9999999 .GQ Unique identifier 2021HU0000001..2021HU9999999 .HU Unique identifier
DIVISION	Character 1 Division code based on 2010 Census definitions 0 .Puerto Rico 1 .New England (Northeast region) 2 .Middle Atlantic (Northeast region) 3 .East North Central (Midwest region) 4 .West North Central (Midwest region) 5 .South Atlantic (South region) 6 .East South Central (South region) 7 .West South Central (South region) 8 .Mountain (West region) 9 .Pacific (West region)
PUMA	Character 5 Public use microdata area code (PUMA) based on 2010 Census definition (areas with population of 100,000 or more, use with ST for unique code) 00100..70301 .Public use microdata area codes
REGION	Character 1

Data and Documents

 [Data Dictionary \[1.0 MB\]](#)

ASEC 2022 Public Use Data Dictionary

Record Type: Household

Variable	Length	Position	Range	Variable	Length	Position	Range
Topic: Record Identifiers				Topic: Geography			
SubTopic: Record Type				SubTopic: Geography			
HRECORD	1	1	(1;1)	GEDIV	1	42	(0;9)
Record Type. Used to identify records on ascii file. Values: 1 = HOUSEHOLD RECORD Universe: All Households				Record - Census division of current residence Values: 1 = New England 2 = Middle Atlantic 3 = East North Central 4 = West North Central 5 = South Atlantic 6 = East South Central 7 = West South Central 8 = Mountain 9 = Pacific Universe: All Households			
SubTopic: Match Keys							
FILEDATE	6	2	0	GEREG	1	43	(1;4)
File creation date in MMDYY format Values: Date Universe: All records				Region Values: 1 = Northeast 2 = Midwest 3 = South 4 = West Universe: All Households			
H_HHNUM	1	8	(1;8)	GESTFIPS	2	44	(1;56)
Household number. Identifier for unique set of residents located at this sample address. If this group changes between months in sample, household number is incremented by 1. Values: 1-8 = Household number Universe: All Households				State FIPS code Values: 01-56 State code			
H_IDNUM	20	9	(NA)				
Household id number. Same as characters 1-20 of PERIDNUM.							

Data Dictionaries

American Community Survey

<https://www.census.gov/programs-surveys/acs/microdata/documentation.html>

The ACS PUMS data dictionary is broken out into different sections of variables, including basic variables, housing unit variables, and person variables.

HOUSING RECORD

HOUSING RECORD-BASIC VARIABLES

RT **Character** **1**
Record Type
H .Housing Record or Group Quarters Unit
P .Person Record

SERIALNO **Character** **13**
Housing unit/GQ person serial number
2016000000
2018000000

HOUSING RECORD-HOUSING UNIT VARIABLES

ACCESSINET **Character** **1**
Access to the Internet
b .N/A (GQ/vacant)
1 .Yes, by paying a cell phone company or Internet service provider
2 .Yes, without paying a cell phone company or Internet service provider
Internet at this house, apartment, or mobile home

PERSON RECORD-PERSON VARIABLES

AGEP **Numeric** **2**
Age
0 .Under 1 year
1..99 .1 to 99 years (Top-coded)

CIT **Character** **1**
Citizenship status
1 .Born in the U.S.
2 .Born in Puerto Rico, Guam, the U.S. Virgin Islands, or the Northern Marianas
3 .Born abroad of American parent(s)
4 .U.S. citizen by naturalization
5 .Not a citizen of the U.S.

Data Dictionaries

American Community Survey

<https://www.census.gov/programs-surveys/acs/microdata/documentation.html>

Find all the variables that are available in the PUMS dataset for any given year.

The dictionary will give you the **name of the variable**, **whether it's a character or numeric variable**, **the length of the variable**, **a brief description of the variable**, and **the possible response options or recoded values**.

POVPIP

Numeric

3

Income-to-poverty ratio recode

```
bbb .N/A (individuals who are under 15 and are either living
    .in a housing unit but are unrelated to the householder
    .or are living in select group quarters)
0..500 .Below 501 percent
501 .501 percent or more
```


Demo

Example 1:

Poverty by disability status for the United States

Problem: We need **poverty status crossed with disability status for the US**, but none of the published CPS ASEC poverty tables have this cross of characteristics available

Solution: Use Microdata Access (MDAT)

Official Poverty Measure

- Poverty Thresholds: 2022 [[<1.0 MB](#)]
- Table A-1. People in Poverty by Selected Characteristics: 2021 and 2022 [[<1.0 MB](#)]
- Table A-2. Families and People in Poverty by Type of Family: 2021 and 2022 [[<1.0 MB](#)]
- Table A-3. Poverty Status of People by Age, Race, and Hispanic Origin: 1959 to 2022 [[<1.0 MB](#)]
- HSTPOV2. Poverty Status of People by Family Relationship, Race, and Hispanic Origin: 1959 to 2022 [[<1.0 MB](#)]
- HSTPOV4. Poverty Status of Families by Type of Family, Presence of Related Children, Race, and Hispanic Origin: 1959 to 2022 [[<1.0 MB](#)]
- People With Income Below Specified Ratios of Their Poverty Thresholds by Selected Characteristics: 2022 [[<1.0 MB](#)]
- Impact on Poverty of Alternative Resource Measures by Age: 1981 to 2022 [[<1.0 MB](#)]
- Interrelationships of Three-Year Average State Poverty Rates: 2020 – 2022 [[<1.0 MB](#)]



Poverty Status: POV-01
Age and Sex of All People, Family Members, and Unrelated Individuals. [▶](#)

Poverty Status: POV-02
People in Primary Families by Family Structure, Age, and Sex. [▶](#)

Poverty Status: POV-03
People in Primary Families with Related Children Under 18 by Family Structure, Age, and Sex. [▶](#)

Poverty Status: POV-04
Primary Families by Age of Householder, Number of Children, and Family Structure. [▶](#)

Poverty Status: POV-05
Primary Families by Number of Working Family Members and Family Structure. [▶](#)

Poverty Status: POV-06
Primary Families with Related Children by Age of Children, Number of Working Family Members, and Family Structure. [▶](#)

Poverty Status: POV-07

- Visit Microdata Access at data.census.gov/mdat

The screenshot shows a web browser window with the address bar containing data.census.gov/mdat/#/. The page header features the United States Census Bureau logo and the text "Explore Data". The main heading is "Select a Dataset & Vintage". Below this, there are two selection fields: "Select Dataset" with the value "ACS 1-Year Estimates Public Use Microdata Sample" and "Select Vintage" with the value "2021". A teal "NEXT" button is located at the bottom right. In the bottom left corner, there is a "Send Feedback" link with the email address census.data@census.gov.

- Choose Dataset and Vintage:
 - Dataset – CPS Annual Social and Economic (March) Supplement
 - Vintage – MAR 2023
 - Click **Next** in the lower right

Select a Dataset & Vintage

Select Dataset
CPSASEC

Select Vintage
202303

NEXT

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

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

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

Showing 702 of 1049 Variables Select at least one variable to start

	Variable	Label	Number of Values	Type	
<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	(3) Edited Items, Recodes, Topcod	
<input type="checkbox"/>	A_AGE	Demographics, Age	1	Edited Items	▼ DETAILS
<input type="checkbox"/>	A_SEX	Demographics, Sex	2	Edited Items	▼ DETAILS
<input type="checkbox"/>	PEAFWHN3	Demographics - past military service period of active d...	10	Edited Items	▼ DETAILS
<input type="checkbox"/>	PEAFWHN2	Demographics - past military service period of active d...	10	Edited Items	▼ DETAILS
<input type="checkbox"/>	PEAFWHN1	Demographics - past military service period of active d...	10	Edited Items	▼ DETAILS
<input type="checkbox"/>	PEAFEVER	Veteran status - ever served	3	Edited Items	▼ DETAILS

Dataset: CPS Annual Social and Economic (March) Supplement (202303) [CHANGE](#) **VIEW TABLE**

- **Select variable for Poverty Ratio for Family Income:**
 - Type “FAMLIS” in the Variable search box or type “ratio” in the label search box
 - Click **Details** to browse information about this variable
 - Check the box to the left of FAMLIS to add the variable to your data cart

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

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

Showing 1 of 1049 Variables Selected: 1 variable (5 columns, 1 row)

Variable	Label	Number of Values	Type
<input checked="" type="checkbox"/> FAMLIS	ratio of fmly income level	5	Edited Items

Description:
RATIO FAMILY INCOME TO POVERTY LEVEL. IF FTYPE = 3, THEN VALUE COMES FROM PRIMARY FAMILY.

Values:

- -1 -- NOT IN POVERTY UNIVERSE
- 1 -- BELOW POVERTY LEVEL
- 2 -- 100 - 124 PERCENT OF THE POVERTY LEVEL
- 3 -- 125 - 149 PERCENT OF THE POVERTY LEVEL
- 4 -- 150 AND ABOVE THE POVERTY LEVEL

Dataset: CPS Annual Social and Economic (March) Supplement (202303) [CHANGE](#) **VIEW TABLE**

■ Select variable for Disability Status:

- Type “PRDISFLG” in the Variable search box or type “disability” in the label search box
- Check the box to the left of PRDISFLG to add the variable to your data cart

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 1049 Variables Selected: 2 variables (15 columns, 1 row)

Variable	Label	Number of Values	Type
<input checked="" type="checkbox"/> PRDISFLG	disability Disability - recode, disabled	3	(3) Edited Items, Recodes, Topcod Recodes

Description:
Does this person have any of these disability conditions?
Universe = PEDISEAR OR PEDISEYE OR PEDISREM, PEDISPHY OR PEDISDRS OR PEDISOUT = 1

Values:

- -1 -- Not in Universe
- 1 -- Yes
- 2 -- No

Dataset: CPS Annual Social and Economic (March) Supplement (202303) **CHANGE** **VIEW TABLE**

- **Select geography:**

- Move to the **Select Geographies** tab
- Since we are getting the estimates 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

The screenshot displays a data analysis tool interface. At the top, a navigation bar contains several tabs: 'SELECT VARIABLES', 'SELECT GEOGRAPHIES' (highlighted with a red box), 'DATA CART (2)', 'TABLE LAYOUT', and 'DOWNLOAD'. Below the navigation bar, the main content area is divided into two sections. The left section is titled 'GEOGRAPHIES' and contains a single entry, 'State'. The right section is currently empty. At the bottom of the interface, a footer bar shows the dataset name 'Dataset: CPS Annual Social and Economic (March) Supplement (202303)' with a 'CHANGE' link next to it. On the far right of the footer bar, there is a 'VIEW TABLE' button.

- **Categorize your variable:**
 - Move to the **Data Cart** tab
 - Click the **PRDISFLG** variable on the left
 - Uncheck the box for Not in Universe

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

Selected Variables (2)

- PRDISFLG**
2 of 3 responses
- FAMLIS**
5 of 5 responses

Disability - recode, disabled (PRDISFLG) DETAILS ^

+ CREATE CUSTOM GROUP

<input checked="" type="checkbox"/> Include in Universe	Response Label	Value
<input type="checkbox"/>	Not in Universe	-1
<input checked="" type="checkbox"/>	Yes	1
<input checked="" type="checkbox"/>	No	2

Dataset: CPS Annual Social and Economic (March) Supplement (202303) CHANGE VIEW TABLE

- **Categorize (recode) your variable:**
 - Click the **FAMLIS** variable on the left
 - Click **Create Custom Group** to begin specifying your poverty breakdown (e.g. In Poverty and Not in Poverty)

The screenshot displays a data analysis interface with a top navigation bar containing 'SELECT VARIABLES', 'SELECT GEOGRAPHIES', 'DATA CART (2)', 'TABLE LAYOUT', and 'DOWNLOAD'. The 'DATA CART (2)' tab is active. On the left, under 'Selected Variables (2)', the variable 'FAMLIS' (5 of 5 responses) is highlighted with a red box. On the right, the 'ratio of fmly income level (FAMLIS)' section is shown with a '+ CREATE CUSTOM GROUP' button highlighted in red. Below this button is a table with columns for 'Include in Universe', 'Response Label', and 'Value'. The table lists five categories, all with 'Include in Universe' checked.

<input checked="" type="checkbox"/>	Include in Universe	Response Label	Value
<input checked="" type="checkbox"/>		NOT IN POVERTY UNIVERSE	-1
<input checked="" type="checkbox"/>		BELOW POVERTY LEVEL	1
<input checked="" type="checkbox"/>		100 - 124 PERCENT OF THE POVERTY LEVEL	2
<input checked="" type="checkbox"/>		125 - 149 PERCENT OF THE POVERTY LEVEL	3
<input checked="" type="checkbox"/>		150 AND ABOVE THE POVERTY LEVE	4

Dataset: CPS Annual Social and Economic (March) Supplement (202303) [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. In Poverty)
- Check the box next to the response category for this code (Below Poverty Level)
- Click **Save Group**

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

- Navigation:** SELECT VARIABLES, SELECT GEOGRAPHIES, DATA CART (3), TABLE LAYOUT, DOWNLOAD
- Variable List:**
 - PRDISFLG (2 of 3 responses)
 - FAMLIS (5 of 5 responses)
 - FAMLIS_RC1 (1 of 1 responses)** - highlighted with an orange bar
- Group Configuration:**
 - Group Label:** In Poverty (highlighted with a red box)
 - Response List:**

<input type="checkbox"/> Add to Group	Response Label	Value
<input type="checkbox"/>	NOT IN POVERTY UNIVERSE	-1
<input checked="" type="checkbox"/>	BELOW POVERTY LEVEL	1
<input type="checkbox"/>	100 - 124 PERCENT OF THE POVERTY LE...	2
<input type="checkbox"/>	125 - 149 PERCENT OF THE POVERTY LE...	3
<input type="checkbox"/>	150 AND ABOVE THE POVERTY LEVE	4

 (The 'BELOW POVERTY LEVEL' row is highlighted with a red box)
 - Buttons:** CANCEL, SAVE GROUP (highlighted with a red box)
 - Toggle:** Show on table (checked)
- Footer:** Dataset: CPS Annual Social and Economic (March) Supplement (202303) CHANGE VIEW TABLE

- **Categorize (recode) your variable:**
 - Your first category, In Poverty, 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)', three variables are listed: PRDISFLG (2 of 3 responses), FAMLIS (5 of 5 responses), and FAMLIS_RC1 (2 of 2 responses). The main area shows the variable 'ratio of fmly income level recode' with two categories: 'Not Elsewhere Classified' (VALUES: -1, 2, 3, 4) and 'In Poverty' (VALUES: 1). The 'EDIT GROUP' button for 'Not Elsewhere Classified' is highlighted with a red box. At the bottom, the dataset is identified as 'CPS Annual Social and Economic (March) Supplement (202303)' with a 'CHANGE' link and a 'VIEW TABLE' button.

- **Categorize (recode) your variable:**

- Click into **Group label** and type a label for the next category you want to create (e.g. Not in Poverty)
- Check the boxes next to the response categories for this (100-124 Percent of the Poverty Level, 125-149 Percent of the Poverty Level, and 150 and Above the Poverty Level)
- Click **Save Group**

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

PRDISFLG
2 of 3 responses

FAMLIS
5 of 5 responses

FAMLIS_RC1
2 of 2 responses

Not in Poverty Show on table

Group Label
Not in Poverty

14 / 60

<input type="checkbox"/>	Response Label	Value
<input type="checkbox"/>	NOT IN POVERTY UNIVERSE	-1
<input checked="" type="checkbox"/>	100 - 124 PERCENT OF THE POVERTY LEVEL	2
<input checked="" type="checkbox"/>	125 - 149 PERCENT OF THE POVERTY LEVEL	3
<input checked="" type="checkbox"/>	150 AND ABOVE THE POVERTY LEVE	4

Dataset: CPS Annual Social and Economic (March) Supplement (202303) [CHANGE](#)

- **Categorize (recode) your variable:**
 - This next category, Not in Poverty, appears just below “In Poverty”
 - 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)', three variables are listed: PRDISFLG (2 of 3 responses), FAMLIS (5 of 5 responses), and FAMLIS_RC1 (3 of 3 responses). The main area shows the variable 'ratio of fmly income level recode' with three categories: 'Not Elsewhere Classified' (VALUES: -1), 'In Poverty' (VALUES: 1), and 'Not in Poverty' (VALUES: 2, 3, 4). Each category has an 'EDIT GROUP' button. The 'EDIT GROUP' button for 'Not Elsewhere Classified' is highlighted with a red box. At the bottom, the dataset is identified as 'CPS Annual Social and Economic (March) Supplement (202303)' with a 'CHANGE' link and a 'VIEW TABLE' button.

- **Categorize (recode) your variable:**

- Click into **Group label** and type a label for the last category you want to create (e.g. Not in Universe)
- Check the box next to the response category for this (Not in Poverty Universe)
- Click **Save Group**

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

- Selected Variables (3):**
 - PRDISFLG**: 2 of 3 responses
 - FAMLIS**: 5 of 5 responses
 - FAMLIS_RC1**: 3 of 3 responses
- ratio of fmly income level recode** configuration:
 - Group Label: (highlighted with a red box)
 - Response Category Table:

<input checked="" type="checkbox"/> Add to Group	Response Label	Value
<input checked="" type="checkbox"/> (highlighted with a red box)	NOT IN POVERTY UNIVERSE	-1
 - Buttons: **CANCEL** and **SAVE GROUP** (highlighted with a red box)
- Dataset: CPS Annual Social and Economic (March) Supplement (202303) **CHANGE**
- VIEW TABLE** button

- View variable placement in the default table layout:
 - Move to the **Table Layout** tab
 - Columns/Rows – Variables will be shown in the table.** By default, the table is providing disability and poverty in the columns.

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

Custom Table

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

Columns (2)
10 columns (maximum 400)

PRDISFLG	2 of 3 responses
FAMLIS	5 of 5 responses

Rows (0)
rows (maximum 2000)

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

FAMLIS_RC1 3 of 3 responses |

Table Preview

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

Values in table cells:

Count

Universe: **Disability - recode, disabled (PRDISFLG): all except: Not in Universe**

Show Total

Disability - recode, disabled (PRDISFLG)											
	Yes					No					
	ratio of fmly income level (FAMLIS)					ratio of fmly income level (FAMLIS)					
Total	Total ratio of fmly income level (FAMLIS)	NOT IN POVERTY UNIVERSE	BELOW POVERTY LEVEL	100 - 124 PERCENT OF THE POVERTY	125 - 149 PERCENT OF THE POVERTY	150 AND ABOVE THE POVERTY LEVEL	Total ratio of fmly income level (FAMLIS)	NOT IN POVERTY UNIVERSE	BELOW POVERTY LEVEL	100 - 124 PERCENT OF THE POVERTY	125 - 14 PERCENT OF THE PO
???	???	???	???	???	???	???	???	???	???	???	???

Dataset: CPS Annual Social and Economic (March) Supplement (202303) [CHANGE](#) [VIEW TABLE](#)

- Edit Table Layout:
 - Move Disability to Rows:
 - Click, hold and drag PRDISFLG on the left side of the page down to the rows heading. This will give you a table layout with disability status as the rows.

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

Custom Table

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

Columns (2)
10 columns (maximum 400)

PRDISFLG 2 of 3 responses

FAMLIS 5 of 5 responses

Rows (0)
rows (maximum 2000)

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

FAMLIS_RC1 3 of 3 responses

Table Preview

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

Values in table cells: Universe: **Disability - recode, disabled (PRDISFLG): all except: Not in Universe**

Count

Show Total

Disability - recode, disabled (PRDISFLG)											
	Yes					No					
	ratio of fmly income level (FAMLIS)					ratio of fmly income level (FAMLIS)					
Total	Total ratio of fmly income level (FAMLIS)	NOT IN POVERTY UNIVERSE	BELOW POVERTY LEVEL	100 - 124 PERCENT OF THE POVERTY	125 - 149 PERCENT OF THE POVERTY	150 AND ABOVE THE POVERTY LEVEL	Total ratio of fmly income level (FAMLIS)	NOT IN POVERTY UNIVERSE	BELOW POVERTY LEVEL	100 - 124 PERCENT OF THE POVERTY	125 - 149 PERCENT OF THE POVERTY
	???	???	???	???	???	???	???	???	???	???	???

Dataset: CPS Annual Social and Economic (March) Supplement (202303) [CHANGE](#) [VIEW TABLE](#)

- Edit Table Layout:
 - Move Poverty to Columns:
 - Click, hold and drag FAMLIS down to the Not on table section. This will remove these categories from the table.

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

Custom Table

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

Columns (1)
5 columns (maximum 400)

FAMLIS 5 of 5 responses

Rows (1)
2 rows (maximum 2000)

PRDISFLG 2 of 3 responses

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

FAMLIS_RC1 3 of 3 responses

Table Preview

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

Values in table cells: Count Universe: Disability - recode, disabled (PRDISFLG): all except: Not in Universe

Show Total

	ratio of fmly income level (FAMLIS)				
Disability - recode, disabled	Total	NOT IN POVERTY UNIVERSE	BELOW POVERTY LEVEL	100 - 124 PERCENT OF THE POVERTY LEVEL	125 - 149 PERCENT OF THE POVERTY LEVEL
▼ ??? (2)	0	0	0	0	
Yes	???	???	???	???	???
No	???	???	???	???	???

Dataset: CPS Annual Social and Economic (March) Supplement (202303) [CHANGE](#) [VIEW TABLE](#)

- Edit Table Layout:
 - Move Poverty Recode to Columns:
 - Click, hold and drag FAMLIS_RC1 up to the columns heading. This will display the recoded categories that were created earlier as the columns.

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

Custom Table

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

Columns (0)
columns (maximum 400)

Rows (1)
2 rows (maximum 2000)

PRDISFLG 2 of 3 responses

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

FAMLIS 5 of 5 responses

FAMLIS_RC1 3 of 3 responses

Table Preview

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

Values in table cells: Universe: Disability - recode, disabled (PRDISFLG): all except: Not in Universe

Count

Show Total

Disability - recode, disabled	
▼ ??? (2)	0
Yes	???
No	???

Dataset: CPS Annual Social and Economic (March) Supplement (202303) [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 (0)
Determines order in list; cannot move to row/column

Columns (1)
3 columns (maximum 400)

FAMLIS_RC1 3 of 3 responses

Rows (1)
2 rows (maximum 2000)

PRDISFLG 2 of 3 responses

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

FAMLIS 5 of 5 responses

Table Preview

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

Values in table cells: Universe: Disability - recode, disabled (PRDISFLG): all except: Not in Universe

Count

Show Total

	ratio of fmly income level recode (FAMLIS_RC1)			
Disability - recode, disabled	Total	In Poverty	Not in Poverty	Not in Universe
▼ ??? (2)	0	0	0	0
Yes	???	???	???	???
No	???	???	???	???

Dataset: CPS Annual Social and Economic (March) Supplement (202303) [CHANGE](#) **VIEW TABLE**

View Table

Note that the site automatically chooses a weight for you. You do have the option to change the weight if you want.

Custom Table

CUSTOMIZE VARIABLES DOWNLOAD / SHARE DETAILS

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

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

Vintage: **MAR 2023**

Weighting: **Weight, March supplement - Person**

On Columns **On Rows**

FAMLI_RC1 **PRDISFLG**

Not on Table "Values in table cells" Options

FAMLI

Values in table cells: **Count**

Universe: Disability - recode, disabled (PRDISFLG): all except: Not in Universe

Show Total

	ratio of fmly income level recode (FAMLI_RC1)			
Disability - recode, disabled	Total	In Poverty	Not in Poverty	Not in Universe
▼ Total (2)	270,647,145	28,890,777	241,756,368	0
Yes	33,144,045	6,490,519	26,653,526	0
No	237,503,100	22,400,258	215,102,842	0

[Send Feedback](#)
census.data@census.gov

Demo

Example 2:

Health insurance coverage by industry for New Jersey

Problem: We need **health insurance coverage crossed with specific industries for New Jersey**, but none of the published ACS tables have this cross of characteristics available

Solution: Use Microdata Access (MDAT)

The screenshot shows a web interface for the United States Census Bureau's data tool. On the left, there is a sidebar with '2 Filters' applied: 'Health Insurance' and 'Industry'. Below the filters is a search bar and a 'Geography' section with options for Nation, State, County, County Subdivision, and Place. The main area is titled 'Tables' and shows a list of American Community Survey tables. The first three visible tables are:

- American Community Survey **CP03** | Comparative Economic Characteristics (View All 19 Products)
- American Community Survey **DP03** | Selected Economic Characteristics (View All 29 Products)
- American Community Survey **S0201** | Selected Population Profile in the United States (View All 12 Products)

At the top right of the main area, it says '18 Tables, 18 Maps, 32 Profiles' and 'View: 10 | 25 | 50'.

- Visit Microdata Access at data.census.gov/mdat

The screenshot shows a web browser window with the address bar containing data.census.gov/mdat/#/. The page header features the United States Census Bureau logo and the text "Explore Data". The main heading is "Select a Dataset & Vintage". Below this, there are two selection fields: "Select Dataset" with the value "ACS 1-Year Estimates Public Use Microdata Sample" and "Select Vintage" with the value "2021". A teal "NEXT" button is located at the bottom right. In the bottom left corner, there is a "Send Feedback" link with the email address census.data@census.gov.

- Choose Dataset and Vintage:
 - Dataset – ACS 1-Year Estimates – Public Use Microdata Sample
 - Vintage – 2021
 - Click **Next** in the lower right

Select a Dataset & Vintage

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

Select Vintage 2021
2021

NEXT

census.gov

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

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

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

Showing 219 of 522 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"/>	DRIVESP	Number of vehicles calculated from JWRI	7	Estimate	DETAILS
<input type="checkbox"/>	FPARC	Family presence and age of related children	5	Recodes	DETAILS
<input type="checkbox"/>	GRPIP	Gross rent as a percentage of household income p...	3	Estimate	DETAILS
<input type="checkbox"/>	JWAP	Time of arrival at work - hour and minute	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"/>	JWRIP	Vehicle occupancy	11	Estimate	DETAILS
<input type="checkbox"/>	MV	When moved into this house or apartment	8	Estimate	DETAILS

Dataset: ACS 1-Year Estimates Public Use Microdata Sample (2021) [CHANGE](#) **VIEW TABLE**

- Select variable for Health Insurance Coverage Status:
 - Type “HICOV” in the Variable search box or type “insurance” in the label search box
 - Check the box to the left of HICOV to add the variable to your data cart

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 522 Variables Selected: 1 variable (2 columns, 1 row)

Variable	Label	Number of Values	Type
<input checked="" type="checkbox"/> hicov	insurance	2	(3) Edited Items, Estimate, Recodes
HICOV	Health insurance coverage recode	2	Recodes

^ DETAILS

Description:
Health insurance coverage recode

Values:

- 1 -- With health insurance coverage
- 2 -- No health insurance coverage

Dataset: ACS 1-Year Estimates Public Use Microdata Sample (2021) 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 data cart

filter by Topic

SEARCH

Showing 1 of 522 Variables

Selected: 2 variables (2 columns, 271 rows)

Variable	Label	Number of Values	Type
<input checked="" type="checkbox"/> indp	industry	271	(3) Edited Items, Estimate, Record
INDP	Industry recode for 2018 and later based on 2017 IND ...	271	Recodes

[^ DETAILS](#)

Description:

Values:

- 0170 -- AGR-Crop Production
- 0180 -- AGR-Animal Production And Aquaculture
- 0190 -- AGR-Forestry Except Logging
- 0270 -- AGR-Logging
- 0280 -- AGR-Fishing, Hunting And Trapping

Dataset: ACS 1-Year Estimates Public Use Microdata Sample (2021) [CHANGE](#)

[VIEW TABLE](#)

- **Select geography:**
 - Move to the **Select Geographies** tab
 - Click **State** and click on **New Jersey**

The screenshot shows a web interface for selecting geographies. At the top, there are navigation tabs: "SELECT VARIABLES", "SELECT GEOGRAPHIES" (highlighted with a red box), "DATA CART (2)", "TABLE LAYOUT", and "DOWNLOAD". Below the tabs, there are two columns: "GEOGRAPHIES" and "STATE".

In the "GEOGRAPHIES" column, the "State" option is highlighted with a red box. Below it, "Public Use Microdata Area (PUMA)" is listed. In the "STATE" column, a list of states is shown with checkboxes. "New Jersey" is checked and highlighted with a red box. Other states listed include Nevada, New Hampshire, New Mexico, New York, North Carolina, North Dakota, Ohio, Oklahoma, and Oregon.

At the bottom left, there is a tag for "New Jersey" with a close button. At the bottom right, there is a "VIEW TABLE" button. The dataset name "ACS 1-Year Estimates Public Use Microdata Sample (2021)" and a "CHANGE" link are also visible.

- **Categorize your variable:**
 - Move to the **Data Cart** tab
 - Click the **INDP** variable on the left
 - We want data specifically for grocery stores and pharmacies/drug stores.
 - Uncheck the box next to Include in Universe

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

Selected Variables (2)

HICOV
2 of 2 responses

INDP
0 of 271 responses

Industry recode for 2018 and later based on 2017 IND codes (INDP) DETAILS ^

+ CREATE CUSTOM GROUP

Include in Universe

	Response Label	Value
<input type="checkbox"/>	AGR-Crop Production	0170
<input type="checkbox"/>	AGR-Animal Production And Aquaculture	0180
<input type="checkbox"/>	AGR-Forestry Except Logging	0190
<input type="checkbox"/>	AGR-Logging	0270
<input type="checkbox"/>	AGR-Fishing, Hunting And Trapping	0280
<input type="checkbox"/>	AGR-Support Activities For Agriculture A...	0290
<input type="checkbox"/>	FXT-Oil And Gas Extraction	0370

Dataset: ACS 1-Year Estimates Public Use Microdata Sample (2021) CHANGE

VIEW TABLE

- **Categorize your variable:**
 - Click into the box for **Response Label** and enter 'grocery'
 - Check the box next to the response category of '**RET-Supermarkets and Other Grocery (Except Convenience) Stores**'

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

Selected Variables (2)

HICOV
2 of 2 responses

INDP
1 of 271 responses

Industry recode for 2018 and later based on 2017 IND codes (INDP) DETAILS ^

+ CREATE CUSTOM GROUP

<input checked="" type="checkbox"/> Include in Universe	Response Label	Value
<input type="checkbox"/>	grocery	
<input type="checkbox"/>	WHL-Grocery And Related Product Merc...	4470
<input checked="" type="checkbox"/>	RET-Supermarkets and Other Grocery (Ex...	4971

Dataset: ACS 1-Year Estimates Public Use Microdata Sample (2021) CHANGE

VIEW TABLE

- **Categorize your variable:**
 - Delete 'grocery' from the **Response Label** box and enter 'pharmacies'
 - Check the box next to the response category of '**Pharmacies And Drug Stores**'

The screenshot shows the 'DATA CART (2)' interface with the following components:

- Navigation:** SELECT VARIABLES, SELECT GEOGRAPHIES, **DATA CART (2)**, TABLE LAYOUT, DOWNLOAD
- Selected Variables (2):**
 - HICOV**: 2 of 2 responses
 - INDP**: 2 of 271 responses
- Industry recode for 2018 and later based on 2017 IND codes (INDP)**: DETAILS ^
- + CREATE CUSTOM GROUP**
- Table:**

<input checked="" type="checkbox"/> Include in Universe	Response Label	Value
<input type="checkbox"/>	pharmacies	
<input checked="" type="checkbox"/>	RET-Pharmacies And Drug Stores	5070
- Dataset:** ACS 1-Year Estimates Public Use Microdata Sample (2021) [CHANGE](#)
- VIEW TABLE**

- View variable placement in the default table layout:
 - Move to the **Table Layout** tab
 - Columns/Rows – Variables will be shown in the table.** By default, the table is providing the count of people with health insurance coverage status in the columns and the 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)
2 columns (maximum 400)

HICOV 2 of 2 responses

Rows (2)
2 rows (maximum 2000)

SELECTED GEOGRAPHIES 1 of 1 responses

INDP 2 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: New Jersey; Industry recode for 2018 and later based on 2017 IND codes (INDP): RET-Supermarkets and Other Grocery (Except Convenience) Stores, RET-Pharmacies And Drug Stores

Show Total

Industry recode for 2018 and later based on 2017 IND codes (INDP)	Health insurance coverage recode (HICOV)		
	Total	With health insurance coverage	No health insurance coverage
?? (2)	0	0	0
New Jersey (2)	0	0	0
RET-Supermarkets and Other Gr...	??	??	??
RET-Pharmacies And Drug Stores	??	??	??

Dataset: ACS 1-Year Estimates Public Use Microdata Sample (2021) 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)
2 columns (maximum 400)

HICOV 2 of 2 responses

Rows (2)
2 rows (maximum 2000)

SELECTED GEOGRAPHIES 1 of 1 responses

INDP 2 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: New Jersey; Industry recode for 2018 and later based on 2017 IND codes (INDP): RET-Supermarkets and Other Grocery (Except Convenience) Stores, RET-Pharmacies And Drug Stores

Show Total

Industry recode for 2018 and later based on 2017 IND codes (INDP)	Health insurance coverage recode (HICOV)		
	Total	With health insurance coverage	No health insurance coverage
?? (2)	0	0	0
New Jersey (2)	0	0	0
RET-Supermarkets and Other Gr...	??	??	??
RET-Pharmacies And Drug Stores	??	??	??

Dataset: ACS 1-Year Estimates Public Use Microdata Sample (2021) [CHANGE](#)

VIEW TABLE

View Table

Note that the site automatically chooses a weight for you. You do have the option to change the weight if you want.

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: 2021

Weighting: PUMS person weight

On Columns [+](#) **On Rows** [+](#)

HICOV **Selected Geographies** **INDP**

Not on Table [+](#) **"Values in table cells" Options** [+](#)

Values in table cells: Count

Universe: selected geographies: New Jersey; Industry recode for 2018 and later based on 2017 IND codes (INDP): RET-Supermarkets and Other Grocery (Except Convenience) Stores, RET-Pharmacies And Drug Stores

Show Total

Industry recode for 2018 and later based on 2017 IND codes (INDP)	Health insurance coverage recode (HICOV)		
	Total	With health insurance coverage	No health insurance coverage
▼ Total (2)	146,157	133,745	12,412
▼ Total New Jersey (2)	146,157	133,745	12,412
RET-Supermarkets and Other Grocery (Except Convenience) S...	104,046	94,513	9,533
RET-Pharmacies And Drug Stores	42,111	39,232	2,879

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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: 2021 Weighting: PUMS person weight

On Columns + On Rows +

HICOV **Selected Geographies** **INDP**

Not on Table + "Values in table cells" Options +

Values in table cells: Count Universe: selected geographies: New Jersey; Industry recode for 2018 and later based on 2017 IND codes (INDP): RET-Supermarkets and Other Grocery (Except Convenience) Stores, RET-Pharmacies And Drug Stores

Show Total

Industry recode for 2018 and later based on 2017 IND codes (INDP)	Health insurance coverage recode (HICOV)		
	Total	With health insurance coverage	No health insurance coverage
▼ Total (2)	146,157	133,745	12,412
▼ Total New Jersey (2)	146,157	133,745	12,412
RET-Supermarkets and Other Grocery (Except Convenience) S...	104,046	94,513	9,533
RET-Pharmacies And Drug Stores	42,111	39,232	2,879

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

The screenshot shows the 'Custom Table' interface on the United States Census Bureau website. The 'DOWNLOAD' tab is selected, and the 'Download table view (.CSV)' option is checked. A 'DOWNLOAD' button is visible. Below the options, a data table is displayed with columns A through E. The table contains data for various categories, including 'Total' and 'Total New Jersey' for different industry recodes.

	A	B	C	D	E
1	Source: ACS 1-Year Estimates Public Use Microdata Sample 2021				
2	Weight used: PWGTP				
3	Universe: selected geographies: New Jersey; Industry recode for 2018 and later based on 2017 IND codes (INDP): RET-Supermarkets and Other Grocery (Except Convenience) Stores, RET-				
4		Health insurance coverage recode (HICOV)			
5	Industry recode for 2018 and later based on 2017 IND codes (INDP)	Total	With health insurance coverage	No health insurance coverage	
6	-> Total	146157	133745	12412	
7	-> Total -> Total New Jersey	146157	133745	12412	
8	RET-Supermarkets and Other Grocery (Except Convenience) Stores	104046	94513	9533	
9	RET-Pharmacies And Drug Stores	42111	39232	2879	
10					
11					
12					

Dataset: ACS 1-Year Estimates Public Use Microdata Sample (2021) [CHANGE](#) [VIEW TABLE](#)

Demo

Example 3:

Place of birth by single year of age in New Jersey

Problem: We need **detailed place of birth for single years of age for New Jersey**, but none of the published ACS tables have this cross of characteristics available for detailed places of birth and single years of age

Solution: Use Microdata Access (MDAT)

The screenshot shows the ACS data viewer interface. On the left, there are filters for 'Place of Birth' and 'Age and Sex'. The main content area displays a list of results, with 'B06001 | Place of Birth by Age in the United States' selected. The table below shows the data for the United States, with columns for Label, Estimate, and Margin of Error.

United States		
Label	Estimate	Margin of Error
62 to 64 years	217,892	±7,333
65 to 74 years	517,159	±13,293
75 years and over	315,181	±8,953
Foreign born:	46,182,177	±149,842
Under 5 years	283,692	±11,704
5 to 17 years	2,338,543	±34,783
18 to 24 years	2,777,004	±41,659
25 to 34 years	6,750,059	±49,233
35 to 44 years	9,369,619	±54,228
45 to 54 years	9,134,480	±44,418
55 to 59 years	3,946,397	±35,828
60 and 61 years	1,414,910	±20,230
62 to 64 years	1,982,182	±23,598
65 to 74 years	4,787,400	±31,216
75 years and over	3,397,891	±25,466

- Visit Microdata Access at data.census.gov/mdat

The screenshot shows a web browser window with the address bar containing data.census.gov/mdat/#/. The page header features the United States Census Bureau logo and the text "Explore Data". The main heading is "Select a Dataset & Vintage". Below this, there are two selection fields: "Select Dataset" with the value "ACS 1-Year Estimates Public Use Microdata Sample" and "Select Vintage" with the value "2021". A teal "NEXT" button is located at the bottom right. In the bottom left corner, there is a "Send Feedback" link with the email address census.data@census.gov.

- Choose Dataset and Vintage:
 - Dataset – ACS 5-Year Estimates – Public Use Microdata Sample
 - Vintage – 2021
 - Click **Next** in the lower right

Select a Dataset & Vintage

Select Dataset ACS 5-Year Estimates Public Use Microdata Sample
ACSPUMS5Y

Select Vintage 2021
2021

NEXT

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

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

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

Showing 218 of 519 Variables Select at least one variable to start

	Variable	Label	Number of Values	Type	
<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	(3) Edited Items, Estimate, Recod	
<input type="checkbox"/>	COW	Class of worker	10	Edited Items	▼ DETAILS
<input type="checkbox"/>	GCL	Grandparents living with grandchildren	3	Edited Items	▼ DETAILS
<input type="checkbox"/>	VACS	Vacancy status	8	Edited Items	▼ DETAILS
<input type="checkbox"/>	ANC	Ancestry recode	5	Recodes	▼ DETAILS
<input type="checkbox"/>	ESR	Employment status recode	7	Recodes	▼ DETAILS
<input type="checkbox"/>	NWAB	Temporary absence from work (UNEDITED-See 'Employ...	4	Recodes	▼ DETAILS

Dataset: ACS 5-Year Estimates Public Use Microdata Sample (2021) [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 and can only go to "Values in table cells". Create a group (recode) to use elsewhere. "Age (AGEP)"

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

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

Showing 2 of 519 Variables Selected: 1 variable (1 column, 1 row)

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

Description:
Age

Values:

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

- Select variable for the Place of Birth:
 - Type “POBP” in the Variable search box or type “birth” in the label search box
 - Check the box to the left of POBP to add the variable to data cart

filter by Topic

SEARCH

Showing 1 of 519 Variables

Selected: 2 variables (1 column, 225 rows)

Variable	Label	Number of Values	Type
<input checked="" type="checkbox"/> poobp	birth	225	(3) Edited Items, Estimate, Recode
<input checked="" type="checkbox"/> POBP	Place of birth (Recode)	225	Recodes

[^ DETAILS](#)

Description:

Values:

- 001 -- Alabama/AL
- 002 -- Alaska/AK
- 004 -- Arizona/AZ
- 005 -- Arkansas/AR
- 006 -- California/CA

- **Select geography:**
 - Move to the **Select Geographies** tab
 - Click **State** and click on **New Jersey**

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

GEOGRAPHIES

Region

Division

State

Public Use Microdata Area (PUMA)

STATE

Nevada

New Hampshire

New Jersey

New Mexico

New York

North Carolina

North Dakota

Ohio

Oklahoma

Oregon

New Jersey ✕

Dataset: ACS 5-Year Estimates Public Use Microdata Sample (2021) [CHANGE](#) [VIEW TABLE](#)

- **Categorize (recode) your variable:**
 - Move to the **Data Cart** tab
 - Click the **AGEP** variable on the left
 - Click **Create Custom Group** to begin specifying your age groups (e.g. single years of age)

The screenshot shows the 'DATA CART (2)' tab in the Census Bureau's data tool. On the left, under 'Selected Variables (2)', the 'AGEP' variable is highlighted with a red box, showing '2 of 2 responses'. Below it is 'POBP' with '225 of 225 responses'. On the right, the 'Age (AGEP)' variable details are shown. A red box highlights the '+ CREATE CUSTOM GROUP' button. Below this is a table with columns for 'Include in Universe', 'Response Label', and 'Value'. The table shows three rows: '1 to 99 years (Top-coded)' with a value range from 1 to 99, and 'Under 1 year' with a value of 0. A slider is visible for the '1 to 99 years' row. At the bottom, the dataset is identified as 'ACS 5-Year Estimates Public Use Microdata Sample (2021)' with a 'CHANGE' link, and a 'VIEW TABLE' button is present.

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

Selected Variables (2)

AGEP
2 of 2 responses

POBP
225 of 225 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	0

Dataset: ACS 5-Year Estimates Public Use Microdata Sample (2021) [CHANGE](#) [VIEW TABLE](#)

- **Categorize (recode) your variable:**
 - Check the box next to Add to Group to add both categories to the recode
 - Click on **Auto Group**

The screenshot displays the 'DATA CART (3)' interface. On the left, under 'Selected Variables (3)', the variable 'AGEP_RC1' (1 of 1 responses) is highlighted. The main panel is titled 'Age recode' and shows the configuration for the 'Not Elsewhere Classified' group. A red box highlights the 'AUTO GROUP' button in the top right. Another red box highlights the 'Add to Group' checkbox, which is checked. The 'Group Label' is 'Not Elsewhere Classified' (24 / 60). Below, a table lists response labels and values:

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

At the bottom, the dataset is identified as 'ACS 5-Year Estimates Public Use Microdata Sample (2021)' with a 'CHANGE' link. A 'VIEW TABLE' button is located in the bottom right corner.

- **Categorize (recode) your variable:**
 - Confirm that the Start value is '1', the End value is '99', and the Groups of value is '1'
 - Click **Auto Group**. This will automatically create each year of age as its own group.

Auto Group Variable

Start: 1

End: 99

Groups of: 1

CANCEL AUTO GROUP

TABLE LAYOUT DOWNLOAD

Age recode

Not Elsewhere Classified	VALUES: 0	EDIT GROUP
1	VALUES: 1	EDIT GROUP
2	VALUES: 2	EDIT GROUP
3	VALUES: 3	EDIT GROUP

CHANGE VIEW TABLE

- **Categorize your variable:**
 - Click the **POBP** variable on the left
 - We want data specifically for people who were born in Colombia or Ecuador
 - Uncheck the box next to Include in Universe

The screenshot shows the 'DATA CART (3)' section of a data tool. On the left, under 'Selected Variables (3)', the 'POBP' variable is highlighted with a red box. On the right, the 'Place of birth (Recode) (POBP)' configuration panel is shown. A red box highlights the 'Include in Universe' checkbox, which is currently unchecked. Below this, a table lists various states with their corresponding response labels and values.

<input type="checkbox"/>	Response Label	Value
<input type="checkbox"/>	Alabama/AL	001
<input type="checkbox"/>	Alaska/AK	002
<input type="checkbox"/>	Arizona/AZ	004
<input type="checkbox"/>	Arkansas/AR	005
<input type="checkbox"/>	California/CA	006
<input type="checkbox"/>	Colorado/CO	008
<input type="checkbox"/>	Connecticut/CT	009

- **Categorize your variable:**
 - Click into the box for **Response Label** and enter 'Colombia'
 - Check the box next to the response category of 'Colombia'

The screenshot shows the 'DATA CART (3)' interface. On the left, under 'Selected Variables (3)', three variables are listed: AGEP (2 of 2 responses), POBP (1 of 225 responses), and AGEP_RC1 (100 of 100 responses). The POBP variable is highlighted with an orange bar. On the right, the 'Place of birth (Recode) (POBP)' variable is selected, and a '+ CREATE CUSTOM GROUP' section is visible. A table below shows the response categories for POBP:

<input checked="" type="checkbox"/> Include in Universe	Response Label	Value
<input type="checkbox"/>	colombia	
<input checked="" type="checkbox"/>	Colombia	364

At the bottom of the interface, the dataset is identified as 'ACS 5-Year Estimates Public Use Microdata Sample (2021)' with a 'CHANGE' link. A 'VIEW TABLE' button is located in the bottom right corner.

- **Categorize your variable:**
 - Delete 'Colombia' from the **Response Label** box and enter 'Ecuador'
 - Check the box next to the response category of 'Ecuador'

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

- Navigation:** SELECT VARIABLES, SELECT GEOGRAPHIES, DATA CART (3), TABLE LAYOUT, DOWNLOAD.
- Selected Variables (3):**
 - AGEP:** 2 of 2 responses
 - POBP:** 2 of 225 responses (highlighted with an orange bar)
 - AGEP_RC1:** 100 of 100 responses
- Place of birth (Recode) (POBP) DETAILS:**
 - + CREATE CUSTOM GROUP
 - Table with columns: Include in Universe, Response Label, Value.
 - Row 1: Include in Universe, Response Label: [ecuador], Value: []
 - Row 2: Include in Universe, Response Label: Ecuador, Value: 365
- Dataset:** ACS 5-Year Estimates Public Use Microdata Sample (2021) CHANGE
- VIEW TABLE** button

- View variable placement in the default table layout:
 - Move to the **Table Layout** tab
 - **Columns/Rows – Variables will be shown in the table.** By default, the table is providing the average age with place of birth in the rows.

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

Custom Table

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

Values in table cells: Universe: selected geographies: New Jersey; Place of birth (Recode) (POBP): Colombia, Ecuador

Average of Age (AGEP) ▾

Place of birth (Recode) (POBP)	
<ul style="list-style-type: none"> New Jersey (2) 	0
Colombia	???
Ecuador	???

Dataset: ACS 5-Year Estimates Public Use Microdata Sample (2021) [CHANGE](#) [VIEW TABLE](#)

- Edit Table Layout:
 - Move Place of Birth to Columns:
 - Click, hold and drag POBP on the left side of the page up to the columns heading. This will give you a table layout that includes the places of birth categories as the columns.

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

Custom Table

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: New Jersey; Place of birth (Recode) (POBP): Colombia, Ecuador

Place of birth (Recode) (POBP)

▼ New Jersey (2)	0
Colombia	???
Ecuador	???

Dataset: ACS 5-Year Estimates Public Use Microdata Sample (2021) [CHANGE](#) [VIEW TABLE](#)

The screenshot shows the 'TABLE LAYOUT' tab in a data analysis tool. On the left, there are several sections: 'Values in table cells' Options (1), 'Columns (0)', 'Rows (2)', 'SELECTED GEOGRAPHIES', and 'Not on table (1)'. The 'Columns (0)' section is highlighted with a red box, and a red arrow points from the 'POBP' variable in the 'SELECTED GEOGRAPHIES' section to the empty column header in the 'Columns (0)' section. The 'SELECTED GEOGRAPHIES' section also has a red box around it. The 'Rows (2)' section contains two rows: 'New Jersey (2)' with a value of 0, 'Colombia' with '???' and 'Ecuador' with '???'.

- Edit Table Layout:
 - Move Age Recode to Rows:
 - Click, hold and drag AGEP_RC1 on the left side of the page up to the rows heading. This will give you a table layout that includes the age categories that were created as the rows.

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

Custom Table

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

Values in table cells: Universe: selected geographies: New Jersey; Place of birth (Recode) (POBP): Colombia, Ecuador

Average of Age (AGEP)

	Place of birth (Recode) (POBP)	
Selected Geographies	Colombia	Ecuador
New Jersey	???	

Dataset: ACS 5-Year Estimates Public Use Microdata Sample (2021) [CHANGE](#) [VIEW TABLE](#)

- 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 people within the requested categories.

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

Custom Table

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

"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)

POBP 2 of 225 responses

Rows (2)
100 rows (maximum 2000)

SELECTED GEOGRAPHIES 1 of 1 responses

AGEP_RC1 100 of 100 responses

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

Values in table cells:

Count

Average of Age (AGEP)

Universe: selected geographies: New Jersey; Place of birth (Recode) (POBP): Colombia, Ecuador

Age recode (AGEP_RC1)	Colombia	Ecuador
<ul style="list-style-type: none"> New Jersey (100) <ul style="list-style-type: none"> Not Elsewhere Classified 1 2 3 4 5 6 	???	???

Dataset: ACS 5-Year Estimates Public Use Microdata Sample (2021) [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

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

Values in table cells: Universe: selected geographies: New Jersey; Place of birth (Recode) (POBP): Colombia, Ecuador

Count

Show Total

Age recode (AGEP_RC1)	Place of birth (Recode) (POBP)		
	Total	Colombia	Ecuador
▼ ??? (100)	0	0	0
▼ New Jersey (100)	0	0	0
Not Elsewhere Classifi...	???	???	???
1	???	???	???
2	???	???	???
3	???	???	???

Dataset: ACS 5-Year Estimates Public Use Microdata Sample (2021) [CHANGE](#)

VIEW TABLE

View Table

Note that the site automatically chooses a weight for you. You do have the option to change the weight if you want.

Dataset: ACS 5-Year Estimates Public Use Microdata Sample [CHANGE DATASET](#)

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

Vintage: 2021

Weighting: Person weight

On Columns: **POBP**

On Rows: **Selected Geographies** **AGEP_RC1**

Not on Table: "Values in table cells" Options

AGEP

Values in table cells: Count

Universe: selected geographies: New Jersey; Place of birth (Recode) (POBP): Colombia, Ecuador

Show Total

Age recode (AGEP_RC1)	Place of birth (Recode) (POBP)		
	Total	Colombia	Ecuador
▼ Total (100)	187,092	94,616	92,476
▼ Total New Jersey (100)	187,092	94,616	92,476
Not Elsewhere Classified	117	42	75
1	555	379	176
2	76	19	57
3	245	89	156
4	566	405	161
5	402	283	119
6	529	391	138

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- Sort Table:

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

Show Total

Age recode (AGEP_RC1)	Place of birth (Recode) (POBP)		
	Total	Colombia	Ecuador ↓
▼ Total (100)	187,092	94,616	92,476
▼ Total New Jersey (100)	187,092	94,616	92,476
40	4,943	2,079	2,864
46	4,519	1,894	2,625
45	4,515	1,903	2,612
38	4,896	2,328	2,568
36	4,333	1,808	2,525
39	3,799	1,399	2,400
33	3,555	1,184	2,371
47	4,143	1,849	2,294
50	4,116	1,826	2,290
43	3,941	1,687	2,254
48	3,836	1,602	2,234
35	4,509	2,292	2,217
54	3,830	1,787	2,043
44	4,029	2,005	2,024

Demo

Example 4:

Race and Detailed Occupation in New Jersey PUMAs

Problem: We need **detailed occupations by race for PUMAs in New Jersey**, but none of the published ACS tables have this cross of characteristics available for detailed occupations

Solution: Use Microdata Access (MDAT)

The screenshot shows the ACS data browser interface. On the left, there are filter panels for '2 Filters' (Race and Ethnicity, Occupation) and 'Geography' (Nation, State, County, etc.). The main content area shows search results for 'B24010A | Sex by Occupation for the Civilian Employed Population 16 Years and Over (White Alone)'. A table displays the data for the United States, with columns for Label, Estimate, and Margin of Error.

Label	United States	Estimate	Margin of Error
Total:		100,836,241	
Male:		53,569,459	
Management, business, science, and arts occupations:		22,780,584	
Management, business, and financial occupations:		11,128,517	
Management occupations		7,915,199	
Business and financial operations occupations		3,213,318	
Computer, engineering, and science occupations:		5,566,924	
Computer and mathematical occupations		2,755,630	
Architecture and engineering occupations		2,149,158	
Life, physical, and social science occupations		662,136	
Education, legal, community service, arts, and media occupations:		4,437,020	
Community and social service occupations		606,074	
Legal occupations		728,805	
Educational instruction, and library occupations		1,869,862	
Arts, design, entertainment, sports, and media occupations		1,232,279	

- Visit Microdata Access at data.census.gov/mdat

The screenshot shows a web browser window with the address bar containing data.census.gov/mdat/#/. The page header features the United States Census Bureau logo and the text "Explore Data". The main heading is "Select a Dataset & Vintage". Below this, there are two selection fields: "Select Dataset" with the value "ACS 1-Year Estimates Public Use Microdata Sample" and "Select Vintage" with the value "2021". A teal "NEXT" button is located at the bottom right. In the bottom left corner, there is a "Send Feedback" link with the email address census.data@census.gov.

- Choose Dataset and Vintage:
 - Dataset – ACS 5-Year Estimates – Public Use Microdata Sample
 - Vintage – 2021
 - Click **Next** in the lower right

Select a Dataset & Vintage

Select Dataset ACS 5-Year Estimates Public Use Microdata Sample
ACSPUMS5Y

Select Vintage 2021
2021

NEXT

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

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

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

Showing 218 of 519 Variables Select at least one variable to start

	Variable	Label	Number of Values	Type	
<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	(3) Edited Items, Estimate, Recod	
<input type="checkbox"/>	COW	Class of worker	10	Edited Items	▼ DETAILS
<input type="checkbox"/>	GCL	Grandparents living with grandchildren	3	Edited Items	▼ DETAILS
<input type="checkbox"/>	VACS	Vacancy status	8	Edited Items	▼ DETAILS
<input type="checkbox"/>	ANC	Ancestry recode	5	Recodes	▼ DETAILS
<input type="checkbox"/>	ESR	Employment status recode	7	Recodes	▼ DETAILS
<input type="checkbox"/>	NWAB	Temporary absence from work (UNEDITED-See 'Employ...	4	Recodes	▼ DETAILS

Dataset: ACS 5-Year Estimates Public Use Microdata Sample (2021) [CHANGE](#) **VIEW TABLE**

- Select variable for Race:
 - Type “RAC1P” in the Variable search box or type “race” in the label search box
 - Click **Details** to browse information about this variable
 - Check the box to the left of RAC1P to add the variable to your data cart

The screenshot shows the 'SELECT VARIABLES' interface with the following elements:

- Navigation tabs: SELECT VARIABLES (active), SELECT GEOGRAPHIES, DATA CART (1), TABLE LAYOUT, DOWNLOAD.
- Filter by Topic: A dropdown menu.
- Search: A search box with the text 'Search is not enabled in this beta version' and a 'SEARCH' button.
- Showing 2 of 519 Variables. Selected: 1 variable (9 columns, 1 row).
- Table of variables with columns: Variable, Label, Number of Values, Type.
- The variable 'RAC1P' is selected, indicated by a checked checkbox and a red box around the 'DETAILS' link.
- The details for 'RAC1P' are expanded, showing a description and a list of values.

Variable	Label	Number of Values	Type
<input checked="" type="checkbox"/> RAC1P	race	9	Recodes

Description:
Recoded detailed race code (Note: due to space restrictions, some labels may be truncated.)

Values:

- 1 -- White alone
- 2 -- Black or African American alone
- 3 -- American Indian alone
- 4 -- Alaska Native alone
- 5 -- American Indian and Alaska Native tribes specified; or American Indian or Alaska Native, not specified

Dataset: ACS 5-Year Estimates Public Use Microdata Sample (2021) [CHANGE](#) [VIEW TABLE](#)

- Select variable for Occupation:
 - Type “OCCP” in the Variable search box or type “occupation” in the label search box
 - Check the box to the left of OCCP to add the variable to your data cart

The screenshot shows the 'SELECT VARIABLES' tab in a web application. 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 placeholder 'filter by Topic' and a 'SEARCH' button. A message states 'Search is not enabled in this beta version'. The main area shows 'Showing 1 of 519 Variables' and 'Selected: 2 variables (9 columns, 531 rows)'. A table lists variables with columns for 'Variable', 'Label', 'Number of Values', and 'Type'. The first row is highlighted with a red checkmark in the 'Variable' column. Below the table, the 'Description' and 'Values' for the selected variable are shown. A red arrow points to a 'DETAILS' button next to the variable name.

Variable	Label	Number of Values	Type
<input checked="" type="checkbox"/> OCCP	occupation	531	(3) Edited Items, Estimate, Record

Description: Occupation recode for 2018 and later based on 2018 O...

Values:

- 0010 -- MGR-Chief Executives And Legislators
- 0020 -- MGR-General And Operations Managers
- 0040 -- MGR-Advertising And Promotions Managers
- 0051 -- MGR-Marketing Managers
- 0052 -- MGR-Sales Managers

Dataset: ACS 5-Year Estimates Public Use Microdata Sample (2021) [CHANGE](#) [VIEW TABLE](#)

- **Select geography:**
 - Click the **SELECT GEOGRAPHIES** tab
 - Click **Public Use Microdata Area (PUMA)** and click on **New Jersey**
 - Check the boxes for the five **Hudson County PUMAs**

The screenshot shows the 'SELECT GEOGRAPHIES' interface. The 'SELECT GEOGRAPHIES' tab is active and highlighted. Under the 'Public Use Microdata Area (PUMA)' category, 'New Jersey' is selected. A list of PUMAs is shown, with five Hudson County PUMAs checked:

- Hudson County (Central)--Jersey City (North) PUMA, New Jersey
- Hudson County (Central)--Jersey City (South) PUMA, New Jersey
- Hudson County (North)--West New York, Secaucus & Guttenberg Towns PUMA, New Jersey
- Hudson County (Northeast)--Union City & Hoboken Cities PUMA, New Jersey
- Hudson County (South & West)--Bayonne City, Kearney & Harrison Towns PUMA, New Jersey

 Below the list, a scrollable bar contains five buttons corresponding to the selected PUMAs. At the bottom, the dataset is identified as 'ACS 5-Year Estimates Public Use Microdata Sample (2021)' with a 'CHANGE' link and a 'VIEW TABLE' button.

Note that there is currently no way to combine PUMAs into a single geography.

There are also no options for selecting collections of PUMAs (for example, a one-click selection for all the PUMAs in any given county). If you frequently use these same collections of PUMAs (or other geographies), add them to a search and save the URL. You can then use this same URL for future searches; your geographies will already be there and you can add or remove variables as needed.

- **Categorize your variable:**
 - Click the **Data Cart** tab
 - Click the **OCCP** variable on the left
 - We want data specifically for teachers. To get started with selecting only the relevant options, uncheck the box next to Include in Universe

The screenshot displays a data analysis interface with the following components:

- Navigation Tabs:** SELECT VARIABLES, SELECT GEOGRAPHIES, **DATA CART (2)** (highlighted with a red box), TABLE LAYOUT, and DOWNLOAD.
- Selected Variables (2):**
 - RAC1P:** 9 of 9 responses
 - OCCP:** 0 of 531 responses (highlighted with a red box)
- Occupation recode for 2018 and later based on 2018 OCC codes (OCCP):** DETAILS ^
- + CREATE CUSTOM GROUP:**
 - Include in Universe (highlighted with a red box)
- Table of Occupation Recodes:**

<input type="checkbox"/>	Response Label	Value
<input type="checkbox"/>	MGR-Chief Executives And Legislators	0010
<input type="checkbox"/>	MGR-General And Operations Managers	0020
<input type="checkbox"/>	MGR-Advertising And Promotions Mana...	0040
<input type="checkbox"/>	MGR-Marketing Managers	0051
<input type="checkbox"/>	MGR-Sales Managers	0052
<input type="checkbox"/>	MGR-Public Relations And Fundraising M...	0060
<input type="checkbox"/>	MGR-Administrative Services Managers	0101
- Dataset:** ACS 5-Year Estimates Public Use Microdata Sample (2021) [CHANGE](#)
- VIEW TABLE** button

- Categorize your variable:
 - Click into the box for **Response Label** and enter 'teacher'
 - Check the box next to all six response categories for 'teacher'

The screenshot shows the 'DATA CART (2)' interface. On the left, under 'Selected Variables (2)', the 'OCCP' variable is highlighted, showing '6 of 531 responses'. The main area displays the variable 'Occupation recode for 2018 and later based on 2018 OCC codes (OCCP)'. A '+ CREATE CUSTOM GROUP' button is visible. Below it, a table lists response categories with checkboxes for 'Include in Universe'. The 'Response Label' column contains a search box with 'teacher' entered. A red box highlights the six categories where the 'Include in Universe' checkbox is checked.

<input checked="" type="checkbox"/>	Response Label	Value
<input checked="" type="checkbox"/>	EDU-Postsecondary Teachers	2205
<input checked="" type="checkbox"/>	EDU-Preschool And Kindergarten Teachers	2300
<input checked="" type="checkbox"/>	EDU-Elementary And Middle School Teac...	2310
<input checked="" type="checkbox"/>	EDU-Secondary School Teachers	2320
<input checked="" type="checkbox"/>	EDU-Special Education Teachers	2330
<input checked="" type="checkbox"/>	EDU-Other Teachers and Instructors	2360

Dataset: ACS 5-Year Estimates Public Use Microdata Sample (2021) [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)
9 columns (maximum 400)

RAC1P 9 of 9 responses

Rows (2)
30 rows (maximum 2000)

SELECTED GEOGRAPHIES 5 of 5 responses

OCCP 6 of 531 responses

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

TABLE REVIEW

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

Values in table cells:
Count

Universe: **selected geographies:** Hudson County (Central)--Je..., Hudson County (Central)--Je..., Hudson County (North)--West..., Hudson County (Northeast)--..., Hudson County (South & West...; **Occupation recode for 2018 and later based on 2018 OCC codes (OCCP):** EDU-Postsecondary Teachers, EDU-Preschool And Kindergarten Teachers, EDU-Elementary And Middle School Teachers, EDU-Secondary School Teachers, EDU-Special Education Teachers,

Show Total

Recoded detailed race code (Note: due to space restrictions, some labels may be truncated.) (RAC1P)										
Occupation recode for 2018 and later based	Total	White alone	Black or African American alone	American Indian alone	Alaska Native alone	American Indian and Alaska Native	Asian alone	Native Hawaiian and Other Pacific	Some Other Race alone	Two or More Races
▼ ??? (30)	0	0	0	0	0	0	0	0	0	0
▼ Huds...	0	0	0	0	0	0	0	0	0	0
ED...	???	???	???	???	???	???	???	???	???	???
ED...	???	???	???	???	???	???	???	???	???	???
ED...	???	???	???	???	???	???	???	???	???	???
ED...	???	???	???	???	???	???	???	???	???	???

Dataset: ACS 5-Year Estimates Public Use Microdata Sample (2021) CHANGE

VIEW TABLE

View Table

Note that the site automatically chooses a weight for you. You do have the option to change the weight if you want.

Custom Table
CUSTOMIZE VARIABLES
DOWNLOAD / SHARE
DETAILS

Dataset: ACS 5-Year Estimates Public Use Microdata Sample [CHANGE DATASET](#)

Vintage: 2021

Geography: 5 geographies selected [CHANGE GEOGRAPHY](#)

Weighting: Person weight

On Columns

RAC1P

Not on Table

On Rows

Selected Geographies OCCP

"Values in table cells" Options

Values in table cells:

Count

Universe: **selected geographies:** Hudson County (Central)--Je..., Hudson County (Central)--Je..., Hudson County (North)--West..., Hudson County (Northeast)--..., Hudson County (South & West...; **Occupation recode for 2018 and later based on 2018 OCC codes (OCCP):** EDU-Postsecondary Teachers, EDU-Preschool And Kindergarten Teachers, EDU-Elementary And Middle School Teachers, EDU-Secondary School Teachers, EDU-Special Education Teachers, EDU-Other Teachers and Instructors

Show Total

Recoded detailed race code (Note: due to space restrictions, some labels may be truncated.) (RAC1P)											
Occupation recode for 2018 and later based on 2018 OCC codes (OCCP)	Total	White alone	Black or African American alone	American Indian alone	Alaska Native alone	American Indian and Alaska Native tribes specified; or American	Asian alone	Native Hawaiian and Other Pacific Islander alone	Some Other Race alone	Two or More Races	
▼ Total (30)	18,888	10,300	2,404	79	0	35	2,793	0	1,385	1,892	
▼ Total Hudson ...	4,537	2,648	269	15	0	0	1,050	0	160	395	
EDU-Postse...	1,168	603	94	0	0	0	355	0	0	116	
EDU-Presch...	305	90	77	0	0	0	71	0	46	21	
Send Feedback	1,563	973	56	15	0	0	408	0	49	62	
census.data@census.gov	822	489	16	0	0	0	148	0	12	157	

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Building a Custom Table Using Microdata Access (MDAT)

January 09, 2023

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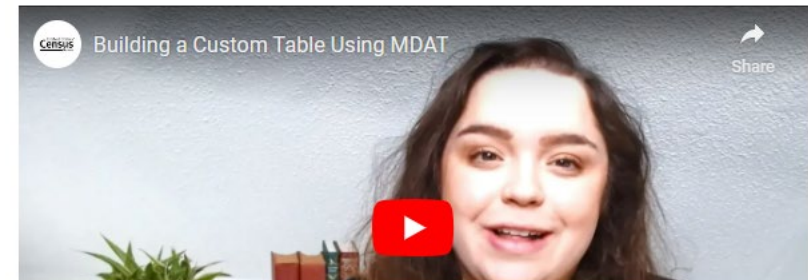


Watch this video to learn how to use Microdata Access (MDAT) through [data.census.gov](#), and create customized tabulation without the need for special programming or statistical software.

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Population Pyramid: Population by Age and Sex

Age Group	Male	Female
65 years and over	29,063	37,793
55 to 64 years	44,004	41,705
45 to 54 years	56,894	56,907
35 to 44 years	74,832	72,883
25 to 34 years	143,985	148,153
15 to 24 years	192,394	201,536
5 to 14 years	266,736	234,826
0 to 4 years	292,259	228,167
Under 5 years	262,549	204,407
0 to 4 years	276,271	188,000
5 to 14 years	308,504	208,191
15 to 24 years	329,404	271,099
25 to 34 years	347,939	249,281
35 to 44 years	347,899	248,712
45 to 54 years	284,228	187,508
55 to 64 years	195,382	165,314
0 to 4 years	187,644	191,400
Under 5 years	188,539	176,276

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