Using American Community Survey Summary File Data

Gretchen Gooding American Community Survey Office February 28, 2018

Audio: 1-888-592-9604 Passcode: 5122968 Access Slides:

https://www.census.gov/programssurveys/acs/news/events/summary-file-2018.html



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Outline

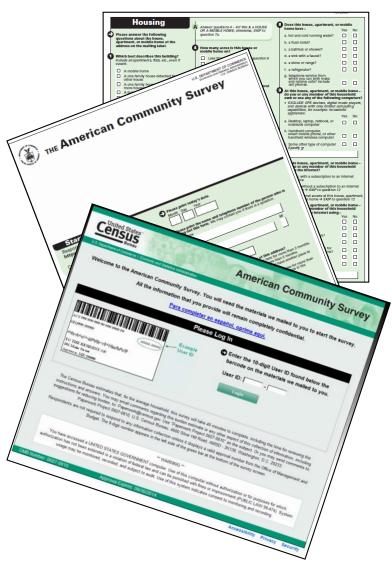
- American Community Survey (ACS) basics
- American FactFinder Download Center
- Overview of ACS Summary File (ACS SF)
- Ways to access the ACS SF
 - Summary File Retrieval Tool
 - DataFerrett
 - Census API
 - FTP site
 - TIGER/Line Shapefiles
- Wrap up



American Community Survey is Foundational

- The nation's most current, reliable, and accessible data source for local statistics on critical planning topics such as age, children, veterans, commuting, education, income, and employment
- Surveys about **3.5 million** addresses and informs **\$675 billion** of Federal Government spending each year
- Designed to produce critical information on small areas and small population groups previously collected on the decennial long form
- Covers **35+ topics**, supports over **300** evidence-based Federal Government uses, and produces **11 billion** estimates each year
- Three key annual data releases:
 - 1-year estimates (12 months of data)
 - 1-year Supplemental estimates (12 months of data)
 - 5-year estimates (60 months of data)





ACS Content

Social

Ancestry Citizenship Status Disability Status Educational Attainment & School Enrollment Fertility Grandparents as Caregivers Language Spoken at Home Marital History; Marital Status Migration/Residence 1 Year Ago Period of Military Service Place of Birth Undergraduate Field of Degree Veteran Status Year of Entry

Demographic

Age Hispanic or Latino Origin Race Relationship to Householder Sex

Economic

➡ 1000+Tables

Commuting (Journey to Work) & Place of Work Employment Status Food Stamps/SNAP Health Insurance Coverage Income and Earnings Industry, Occupation, & Class of Worker Poverty Status Work Status Last Year

Housing

Bedrooms Computer and Internet Use House Heating Fuel **Kitchen Facilities Occupancy/Vacancy Status Occupants Per Room Plumbing Facilities** Rent Rooms Selected Monthly Owner Costs **Telephone Service Available** Tenure (Owner/Renter) Units in Structure Value of Home Vehicles Available Year Householder Moved into Unit Year Structure Built

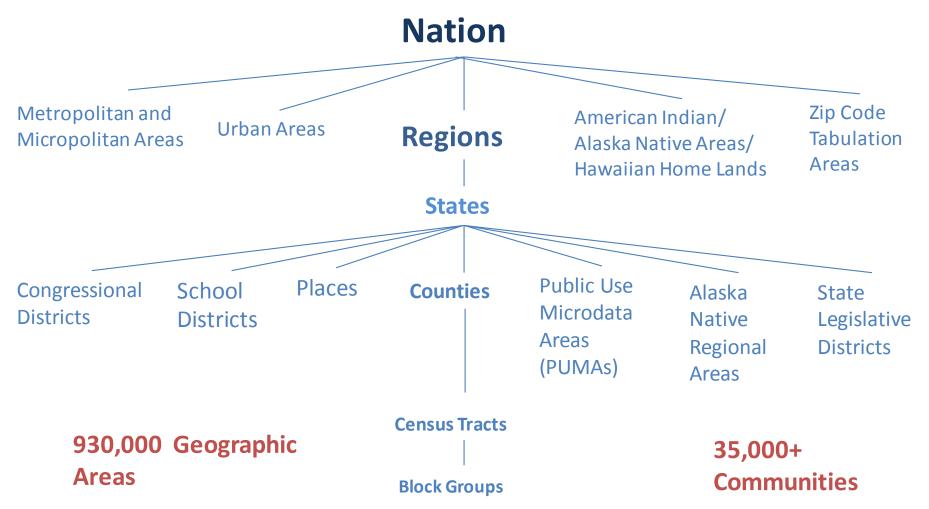
35+ Topics





4

Selected Census Geographic Concepts





Availability of ACS Data Products

Estimated Population of Geographic Area	1-Year Estimates	1-Year Supplemental Estimates	5-Year Estimates
65,000 or more	Х	X	Х
20,000 to 64,999		X	X
Less than 20,000			Х
Release Date	September	October	December

census.gov/programs-surveys/acs/news/data-releases.html



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AFF Download Center

Census Bureau	AMERICAN FactFin	der 🔿	SAS		
MAIN	COMMUNITY FACTS	GUIDED SEARCH	ADVANCED SEARCH	DOWNLOAD CENTER	
Download Center - A step-	by-step guide to do	wnloading data	a		
1 Start 2 Dataset	Geographies 4	Search Results			
Choose from one of the	e following and click N o	ext.			
I know the dataset or	table(s) that I want to do	ownload.			
I want to find prepact	caged data that I can do	wnload.			
The Download Center is de groups of geographies and tell me more »	_	ers, providing quick a	ccess to downloadable o	lata for predefined	
				PREVIOUS NEXT	CANCEL

factfinder.census.gov

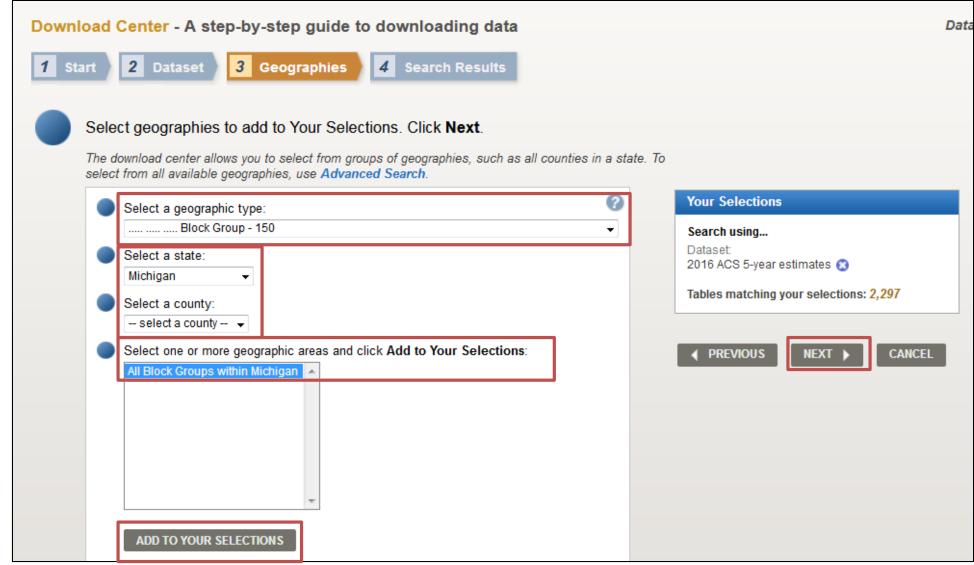


2-Dataset

1 Start 2 Dataset 3 Geographies 4 Search Results
Select the program and dataset you're interested in. Click Next.
Select a program: American Community Survey Select a dataset and click Add to Your Selections: 2016 ACS 5-year estimates 2016 ACS 1-year supplemental Estimates 2015 ACS 5-year selected Population Tables 2015 ACS 5-year selected Population Tables 2015 ACS 5-year selected Population Tables 2014 ACS 5-year estimates 2014 ACS 1-year estimates 2014 ACS 1-year estimates 2014 ACS 1-year estimates



3-Geographies





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4-Search Results

Download Center - A step-by-step guide to downloading data	Dataset and Table -
1 Start 2 Dataset 3 Geographies 4 Search Results	
Select table(s) to download:	
Search Results: 1-1 of 1 tables and other products match 'Your Selections'	s' per page: 25 💽 Your Selections
topic or table name Refine your search results:	GO Search using Search: b23025 S
1 Selected: Download Reset S	Sort (1) Dataset: 2016 ACS 5-year estimates (2) Block Group within Census Tract
Table, File or Document Title ID	About All Block Groups within Michigan
EMPLOYMENT STATUS FOR THE POPULATION 16 YEARS AND OVER B2	23025 Image: Tables matching your selections: 1
1 Selected: Download Check All Clear All Reset S	Sort (1) >>> (PREVIOUS NEXT > CANCEL



Table B23025

	Α	В	С	D	E	F	↓ G
1	GEO.id	GEO.id2	GEO.display-label	HD01_VD01	HD02_VD01	HD01_VD02	HD02_VD02
2	Id	Id2	Geography	Estimate; Total:	Margin of Error; Total:	Estimate; In labor force:	Margin of Error; In labor force:
3	1500000US260	2.6001E+11	Block Group 1, Census Tract 1, Alcona County, Michigan	595	83	186	49
4	1500000US260	2.6001E+11	Block Group 2, Census Tract 1, Alcona County, Michigan	1043	98	356	65
5	1500000US260	2.6002E+11	Block Group 1, Census Tract 9701, Alcona County, Michigan	1026	84	431	59
6	1500000US260	2.6002E+11	Block Group 2, Census Tract 9701, Alcona County, Michigan	1029	95	352	55
7	1500000US260	2.6002E+11	Block Group 1, Census Tract 9704, Alcona County, Michigan	1254	113	591	78
8	1500000US260	2.6002E+11	Block Group 2, Census Tract 9704, Alcona County, Michigan	1165	93	545	79
9	1500000US260	2.6002E+11	Block Group 1, Census Tract 9705, Alcona County, Michigan	561	61	230	43
10	1500000US260	2.6002E+11	Block Group 2, Census Tract 9705, Alcona County, Michigan	545	84	236	58
11	1500000US260	2.6002E+11	Block Group 3, Census Tract 9705, Alcona County, Michigan	725	86	214	50
12	1500000US260	2.6002E+11	Block Group 1, Census Tract 9706, Alcona County, Michigan	794	99	271	77
13	1500000US260	2.6002E+11	Block Group 2, Census Tract 9706, Alcona County, Michigan	524	100	294	68
14	1500000US260	2.6002E+11	Block Group 0, Census Tract 9900, Alcona County, Michigan	0	10	0	10

Complete instructions at:

census.gov/programs-surveys/acs/technical-documentation/summary-file-documentation.html



Table IDs Explained

B23025	Element	Example
В	Table Type	Detailed Table
23	Subject	Employment Status; Work Status Last Year
025	Table Number within Subject	Sequential number to uniquely identify table within a given subject

census.gov/programs-surveys/acs/guidance/which-data-tool/table-ids-explained.html



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What is the ACS Summary File?

- Set of comma-delimited text files that contain all of the Detailed Tables
- Stored in a series of files on the FTP site
- Files contain only the data from the tables (no information such as table title, description of the rows, etc)
- Data have already been tabulated for specific geographic areas

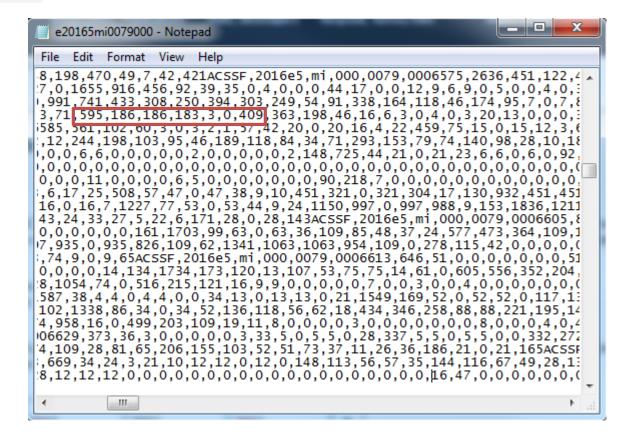


AFF vs. Summary File

B23025

EMPLOYMENT STATUS FOR THE POPULATION 16 YEARS AND OVER Universe: Population 16 years and over
2012-2016 American Community Survey 5-Year Estimates

	Block Group 1, Census Tract 1, Alcona County, Michigan	
	Estimate	Margin of Error
Total:	595	+/-83
In labor force:	186	+/-49
Civilian labor force:	186	+/-49
Employed	183	+/-49
Unemployed	3	+/-4
Armed Forces	0	+/-10
Not in labor force	409	+/-60





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Example-NOAA's Coastal County Snapshots

Select Different Snapshot and/or County

Start Over

Print This Snapshot

COASTAL COUNTY SNAPSHOTS

coast.noaa.gov/snapshots/

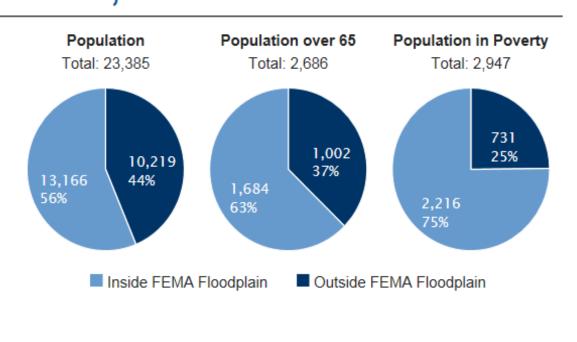
Flood Exposure Snapshot

Plaquemines Parish, Louisiana

People + Floodplains = Not Good High-Risk Populations + Floodplains = Even Worse

The more homes and people located in a floodplain, the greater the potential for harm from flooding. Impacts are likely to be even greater when additional risk factors (age, income, capabilities) are involved, since people at greatest flood risk may have difficulty evacuating or taking action to reduce potential damage.

Based on <u>2009-2013 American Community</u> Survey 5-year Summary File data.



https://coast.noaa.gov/digitalcoast/tools/snapshots.html



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How to Use the ACS SF

1—Verify table is available at geography level of interest (not all tables are published for every geography)

2—Use appropriate tool to access ACS SF Summary File Retrieval Tool DataFerrett Census API FTP site TIGER/Line Shapefiles Pre-joined with Demographic Data



Summary File Page

Census.gov > Our Surveys & Program	s > American Communi	ty Survey (ACS) > Te	chnical Documentation > 3	Summary File Docum	entation			
American Comr	nunity Su	rvey (AC	S)					
About the Survey	Summary	/ File Docur	nentation					
Respond to the Survey		Summary File Documentation						
News & Updates								
Data	The American	Community Surv	vey (ACS) Summary F	File is a set of con	nma-delimited text	files th	at contain all of the Detailed Tables for the	
Guidance for Data Users		ACS 1-year, 3-year, and 5-year data releases. Summary File estimates, margins of error, and geography files for each release are available via the Summary File Data page.						
Geography & ACS		, , , ,	,	h anhy tha data fra	the tables and v	thout	such information on the table title	
Technical Documentation	description of	The Detailed Tables are stored in a series of files with only the data from the tables and without such information as the table title, description of the rows, or geographic identifiers. That information is located in other files that the user must merge with the data files to reproduce full tables.						
Code Lists, Definitions, and Accuracy		Starting with the 2009-2013 ACS 5-year data release, block groups, the lowest level of geography published by the ACS, are available in American FactFinder. For earlier years, block groups are available only in the ACS 5-year Summary File.						
User Notes								
Errata	2016	2015	2014	2013	2012			
Data Suppression								
Table & Geography Changes	Technical I							
Table Shells			ains information about	how to use the A	CS Summary File			
Summary File Documentation	, lnstr , lnstr	Instructions on How to Access ACS Estimates Using the AFF Download Center [1.0 MB]						
Variance Replicate Tables Documentation	📐 Instr	UCTIONS ON JOINING	g the ACS Summary F		Shapemes [<1.01	vюj		
Race/Ethnicity and American Indian & Alaska Native		nclude the sequer ar Appendices [<		ctions for all table	es, as well as sumn	- ¹	vels available for each release ces [<1.0 MB]	
Documentation								

census.gov/programs-surveys/acs/technical-documentation/summary-file-documentation.html



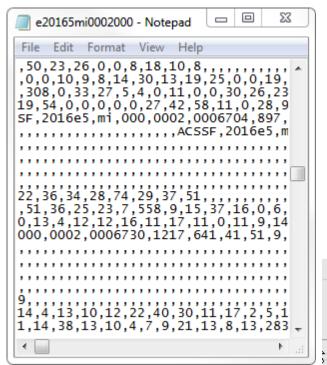
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Check Appendix for Table

	А	В	C	D	E
1	Table Number	Table Title	Geography Restrictions	Summary File Sequence Number	Summary File Starting and Ending Positions
674	B23025	Employment Status For The Population 16 Years And Over		0079	38-44
				Ē	
		Sex By Work Status In The Past 12 Months By Usual Hours Worked Per Week In The Past 12			
675	B23026	Months By Weeks Worked In The Past 12 Months For The Population 65 Years And Over		0079	45-93
		Full-Time, Year-Round Work Status In The Past 12 Months By Age For The Population 16			
676	B23027	Years And Over		0079	94-129
		Occupation By Median Earnings In The Past 12 Months (In 2016 Inflation-Adjusted Dollars)			
677	B24011	For The Civilian Employed Population 16 Years And Over	No Blockgroups	0080	7-42

Why do I see missing values (,,) in my file?



- Missing string indicates the estimate is unavailable
- Due to filtering for geo restrictions, coefficients of variations, or DRB requirements
- Check Appendix A for geo restrictions

	А	В	С	D	E
				Summary File	Summary File
				Sequence	Starting and
1	Table Number	Table Title	Geography Restrictions	Number	Ending
. 4	B01001	Sex By Age		0002	7-55
5	B01001A	Sex By Age (White Alone)	No Blockgroups	0002	56-86
6	B01001B	Sex By Age (Black Or African American Alone)	No Blockgroups	0002	87-117
7	B01001C	Sex By Age (American Indian And Alaska Native Alone)	No Blockgroups	0002	118-148
8	B01001D	Sex By Age (Asian Alone)	No Blockgroups	0002	149-179
9	B01001E	Sex By Age (Native Hawaiian And Other Pacific Islander Alone)	No Blockgroups	0002	180-210
10	B01001F	Sex By Age (Some Other Race Alone)	No Blockgroups	0002	211-241

census.gov/programs-surveys/acs/technical-documentation/summary-file-documentation.html



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Summary File Retrieval Tool

- Includes datasets through 2012 (i.e., 2008-2012 ACS 5-year estimates)
- Allows users to load tables from the ACS SF into an Excel spreadsheet
- Must have Excel 2007 or newer to run tool
- You can access all tracts and block groups per table per state

census.gov/programs-surveys/acs/data/tools/summary-file-retrieval-tool.html



DataFerrett

- Issues accessing DataFerrett?
 - Contact <u>dsd.ferrett@census.gov</u> or 1-866-437-0171



- New data tool via data.census.gov will replace DataFerrett to access the ACS Summary File
 - Contact <u>cedsci.feedback@census.gov</u> with suggestions



Outline

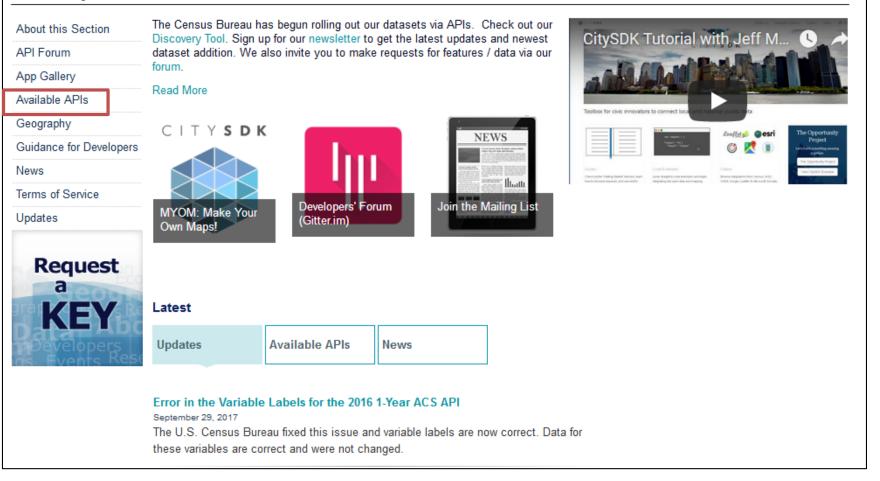
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Census API

Census.gov > Data > Developers

Developers



census.gov/developers



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Table B23025

[["NAME", "B23025_001E", "state", "county", "tract", "block group"],

["Block Group 1, Census Tract 1, Alcona County, Michigan", "595", "26", "001", "000100", "1"], ["Block Group 2, Census Tract 1, Alcona County, Michigan", "1043", "26", "001", "000100", "2"], ["Block Group 1, Census Tract 9701, Alcona County, Michigan", "1026", "26", "001", "970100", "2"], ["Block Group 2, Census Tract 9701, Alcona County, Michigan", "1029", "26", "001", "970100", "2"], ["Block Group 1, Census Tract 9704, Alcona County, Michigan", "1254", "26", "001", "970400", "1"], ["Block Group 2, Census Tract 9704, Alcona County, Michigan", "1165", "26", "001", "970400", "2"], ["Block Group 1, Census Tract 9704, Alcona County, Michigan", "1165", "26", "001", "970400", "2"], ["Block Group 1, Census Tract 9705, Alcona County, Michigan", "561", "26", "001", "970500", "1"], ["Block Group 2, Census Tract 9705, Alcona County, Michigan", "561", "26", "001", "970500", "2"], ["Block Group 3, Census Tract 9705, Alcona County, Michigan", "545", "26", "001", "970500", "2"], ["Block Group 1, Census Tract 9705, Alcona County, Michigan", "545", "26", "001", "970500", "2"], ["Block Group 3, Census Tract 9706, Alcona County, Michigan", "794", "26", "001", "970600", "3"], ["Block Group 2, Census Tract 9706, Alcona County, Michigan", "545", "26", "001", "970600", "2"], ["Block Group 0, Census Tract 9706, Alcona County, Michigan", "794", "26", "001", "970600", "2"],

https://api.census.gov/data/2016/acs/acs5?get=NAME,B23025_001E&for=block+group:*&in=state:26+county:001



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Summary File Organization

Name	Last modified	Size Description
Parent Directory		-
1_year_by_state/	29-Aug-2017 17:01	-
1_year_entire_sf/	29-Aug-2017 17:30	-
1_year_seq_by_state/	29-Aug-2017 17:36	-
5_year_by_state/	22-Nov-2017 09:54	-
5_year_entire_sf	12-Dec-2017 10:32	-
5_year_seq_by_state/	22-Nov-2017 15:47	-
2016 Jur Summary FileTemplate	a zin 20 Aug 2017 16:55	2 3M

2016_1yr_Summary_FileTemplates.zip 29-Aug-2017 16:55 2.3M

2016_5yr_Summary_FileTemplates.zip 22-Nov-2017 12:50 1.7M



www2.census.gov/programs-surveys/acs/summary_file/2016/data



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File Naming

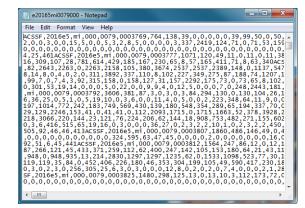
20165mi0075000.zip 22-Nov-2017 13:19 967K 20165mi0076000.zip 22-Nov-2017 13:18 1.1M 20165mi0077000.zip 22-Nov-2017 13:18 1.1M 20165mi0078000.zip 22-Nov-2017 13:18 3.6M 20165mi0079000.zip 22-Nov-2017 13:19 2.3M 20165mi0080000.zip 22-Nov-2017 13:18 2.8M 20165mi0081000.zip 22-Nov-2017 13:18 2.1M 20165mi0082000.zip 22-Nov-2017 13:18 2.3M 20165mi0083000.zip 22-Nov-2017 13:17 1.4M 20165mi0084000.zip 22-Nov-2017 13:17 1.9M 20165mi0085000.zip 22-Nov-2017 13:18 69K

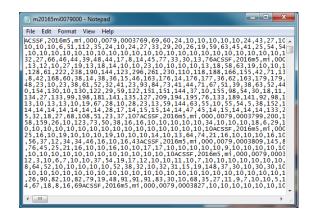
<u>2016 5 mi 0079 000</u>.zip

- 2016=reference year
- 5=period covered
- mi=state level
- 0079=sequence number
- 000=iteration ID



Estimate, MOE, Geography Files





14000US26165380800	Census Tract 3808, Wexford County, Michigan
15000US260010001001	Block Group 1, Census Tract 1, Alcona County, Michigan
15000US260010001002	Block Group 2, Census Tract 1, Alcona County, Michigan
15000US260019701001	Block Group 1, Census Tract 9701, Alcona County, Michigan
15000US260019701002	Block Group 2, Census Tract 9701, Alcona County, Michigan
15000US260019704001	Block Group 1, Census Tract 9704, Alcona County, Michigan
15000US260019704002	Block Group 2, Census Tract 9704, Alcona County, Michigan
15000US260019705001	Block Group 1, Census Tract 9705, Alcona County, Michigan
15000US260019705002	Block Group 2, Census Tract 9705, Alcona County, Michigan
15000US260019705003	Block Group 3, Census Tract 9705, Alcona County, Michigan
15000US260019706001	Block Group 1, Census Tract 9706, Alcona County, Michigan
15000US260019706002	Block Group 2, Census Tract 9706, Alcona County, Michigan
15000US260019900000	Block Group 0, Census Tract 9900, Alcona County, Michigan

Estimate file e20165mi0079000.txt

Margin of error file m20165mi0079000.txt

Geography file g20165mi.csv, g20165mi.txt, MI.xlsx



Where can I find ZCTA files?

State, DC, Puerto Rico Files

Ideal for state level or cross-state geographies

- State
- County
- County subdivision
- Place
- Congressional districts
- Public Use Microdata Area (PUMA)
- School districts
- Alaska Native Regional Corporation

United States File

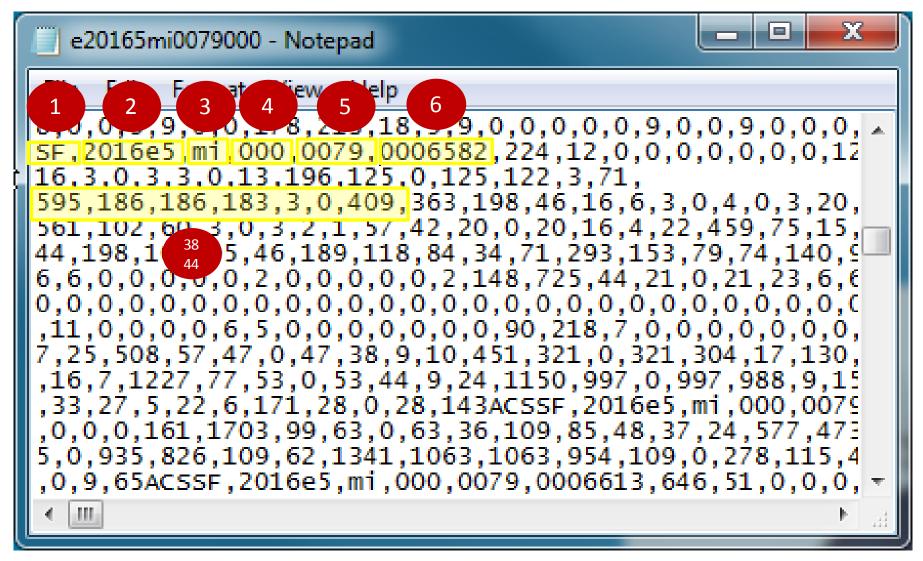
Ideal for geographies that cross state lines

- United States
- Region
- Division
- Metropolitan or urban statistical area
- New England City and Town Area
- American Indian/Alaska Native/Hawaiian Home Land areas
- Urban areas
- ZIP Code Tabulation Areas (ZCTAs)

www2.census.gov/programs-surveys/acs/summary_file/2016/documentation/tech_docs/2016_SummaryFile_Tech_Doc.pdf



Starting and Ending Position





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Templates

Α	В	С	D	E	F	AL	AM	AN	AO	AP	AQ	AR
FILEID	FILETYPE	AB	CHARITER	SEQUENCE	LOGRECNO	B23025_001	B23025_002	B23025_003	B23025_004	B23025_005	B23025_006	B23025_007
							EMPLOYMENT	EMPLOYMENT	EMPLOYMENT	EMPLOYMENT	EMPLOYMENT	EMPLOYMENT
						EMPLOYMENT	STATUS FOR	STATUS FOR	STATUS FOR	STATUS FOR	STATUS FOR	STATUS FOR
						STATUS FOR	THE	THE	THE	THE	THE	THE
						THE	POPULATION 16	POPULATION 16	POPULATION 16	POPULATION 16	POPULATION 16	POPULATION 16
						POPULATION 16	YEARS AND	YEARS AND	YEARS AND	YEARS AND	YEARS AND	YEARS AND
						YEARS AND	OVER for	OVER for	OVER for	OVER for	OVER for	OVER for
						OVER for	Population 16	Population 16	Population 16	Population 16	Population 16	Population 16
						Population 16	Years And	Years And	Years And	Years And	Years And	Years And
						Years And	Over% In labor	Over% In labor	Over% In labor	Over% In labor	Over% In labor	Over% Not in
						Over% Total:	force:	force:% Civilian	force:% Civilian	force:% Civilian	force:% Armed	labor force
ACSSF	2.02E+08	mi	0	79	6581	2633	1389	1379	1309	70	10	1244
ACSSF	2.02E+08	mi	0	79	6582	595	186	186	183	3	0	409
ACSSF	2.02E+08	mi	0	79	6583	1043	356	350	295	55	6	687
ACSSF	2.02E+08	mi	0	79	6584	1026	431	431	406	25	0	595
ACSSF	2.02E+08	mi	0	79	6585	1029	352	352	331	21	0	677

www2.census.gov/programs-surveys/acs/summary_file/2016/data/2016_5yr_Summary_FileTemplates.zip



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TIGER/Line Shapefiles Pre-joined with Demographic Data

TIGER/Line[®] with Selected Demographic and Economic Data

A limited set of TIGER/Line Shapefiles are available pre-joined with data in geodatabase and shapefile format.

American Community Survey 5-Year Estimates — Geodatabase Format

+ 2015 Detailed Tables + 2010 - 2014 Detailed Tables + 2009 - 2013 Detailed Tables + 2008 - 2012 Detailed Tables + 2007 - 2011 Block Group Data + 2007 - 2011 Data Profiles + 2006 - 2010 Block Group Data + 2006 - 2010 Data Profiles

census.gov/geo/maps-data/data/tiger-data.html



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Summary File Documentation

Census.gov > Our Surveys & Programs > American Community Survey (ACS) > Technical Documentation > Summary File Documentation

American Community Survey (ACS)

About the Survey	Summary File	Summary File Documentation									
Respond to the Survey	♥ ſ										
News & Updates											
Data	The American Comr	The American Community Survey (ACS) Summary File is a set of comma-delimited text files that contain all of the Detailed Tables for the ACS 1-year, 3-year, and 5-year data releases. Summary File estimates, margins of error, and geography files for each release are available via the Summary File Data page.									
Guidance for Data Users											
Geography & ACS	The Detailed Tables are stored in a series of files with only the data from the tables and without such information as the table title, description of the rows, or geographic identifiers. That information is located in other files that the user must merge with the data files to reproduce full tables.										
Technical Documentation											
Code Lists, Definitions, and Accuracy	Starting with the 2009-2013 ACS 5-year data release, block groups, the lowest level of geography published by the ACS, are available in American FactFinder. For earlier years, block groups are available only in the ACS 5-year Summary File.										
User Notes											
Errata	2016 2	2015	2014	2013	2012						
Data Suppression											
Table & Geography Changes		Technical Document									
Table Shells	Core technical document contains information about how to use the ACS Summary File										
Summary File Documentation	2016 Core Tech Doc [1.0 MB] Instructions on How to Read the ACS Summary File into Excel [1.0 MB]										
PUMS Documentation	Instructions on How to Access ACS Estimates Using the AFF Download Center [1.0 MB] Instructions on Joining the ACS Summary File to TIGER/Line Shapefiles [<1.0 MB]										
Variance Replicate Tables Documentation											
Race/Ethnicity and American Indian & Alaska Native		Appendices include the sequence number and restrictions for all tables, as well as summary levels available for each release Image: sequence number and restrictions for all tables, as well as summary levels available for each release Image: sequence number and restrictions for all tables, as well as summary levels available for each release Image: sequence number and restrictions for all tables, as well as summary levels available for each release Image: sequence number and restrictions for all tables, as well as summary levels available for each release Image: sequence number and restrictions for all tables, as well as summary levels available for each release Image: sequence number and restrictions for all tables, as well as summary levels available for each release Image: sequence number and restrictions for all tables, as well as summary levels available for each release Image: sequence number and restrictions for all tables, as well as summary levels available for each release Image: sequence number and restrictions for all tables, as well as summary levels available for each release Image: sequence number and restrictions for all tables, as well as summary levels available for each release Image: sequence number and restrictions for all tables, as well as summary levels available for each release Image: sequence number available for each rel									
Documentation	Summary File I	lser Tools									

census.gov/programs-surveys/acs/technical-documentation/summary-file-documentation.html



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Subject Definitions

Census.gov > Our Surveys & Program				ode Lists, Definiti	ions, and Accuracy				
About the Survey	Code Lis	sts. Definitio	ns, and Accura	cv					
Respond to the Survey									
News & Updates									
Data	View the detailed codes and definitions for variables, statistical testing, and an explanation of sample design, methodology, and a								
Guidance for Data Users	the America	n Community Surv	rey.						
Geography & ACS									
Technical Documentation	2016	2015	2014	2013	2012	•			
Code Lists, Definitions, and Accuracy	Code List	-	at contain a large numb	er of coded	Instructions for Applying Statistical Testing Basic instructions for obtaining the ACS standard errors needed to do manual statistical testing 2016 Instructions for Applying Statistical Testing to ACS 1-year Data [<1.0 MB] 2012-2016 Instructions for Applying Statistical Testing to				
Jser Notes		such as ancestry a	-						
Errata	人 201	16 Code Lists [1.2	MB]						
Data Suppression									
Table & Geography Changes	Subject Definitions Definitions of population and housing variables to help you				ACS 5-year Data [<1.0 MB]				
Table Shells			merican Community S	urvey	Statistical Testing Tool Spreadsheet to quickly test whether ACS estimates are statistically different from one another				
Summary File Documentation	<u>)</u> 201	16 Subject Definitio	ons [7.9 MB]						
PUMS Documentation	Group Qu	arters Definition	ons						
Variance Replicate Tables Documentation		or classifying group ing and/or services	o living situations accore s provided	ding to the					
Race/Ethnicity and American Indian &	201	16 Group Quarters	Definitions [1.1 MB]						
Alaska Native Documentation	Comparis	on Guidance							
Methodology	2016				 2012-2016 RCS Multiyear Accuracy (03) [<1 MB] 2012-2016 PRCS Multiyear Accuracy (Puerto Rico) [<1 MB] 				
Library Operations and Administration		arn more about comparing the 2016 ACS with Census 2000, I0 Census, and 5-year to 5-year estimates.			 2016 ACS 1-year Accuracy of the Data (US) [<1 MB] 2016 PRCS 1-year Accuracy of the Data (Puerto Rico) [<1 MB] 				

census.gov/programs-surveys/acs/technical-documentation/code-lists.html



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Options for Accessing Bulk Data

Tool	Advantage of Using Tool
AFF Download Center	Download one geographic type at a time, maximum of 40 tables
SF Retrieval Tool	Looking for block groups from older datasets (through 2012)
DataFerrett	Download a large number of geographic areas for a small number of tables
Census API	Call only the variables and geographies you need
FTP Site	Includes every Detailed Table for every geography
TIGER/Line Shapefiles Pre-joined w/ Demographic Data	Useful for mapping ACS data



Questions?



Upcoming Webinars

- April 18: Using ACS Estimates and Margins of Error
- May 16: How to Use Geodatabase Files and ArcMap
- June 6: Using the Census API with the ACS
- June 27: Using the Census Bureau 2017 Planning Database
- August 1: Geographic Areas and Concepts for the ACS

census.gov/programs-surveys/acs/news/events.html



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acso.users.support@census.gov



Social media: @uscensusbureau





- Purpose:
 - Improve understanding of the value and utility of ACS data.
 - Promote information sharing among data users about key ACS data issues and applications
- Membership is free and open to all interested ACS data users
- Presentations and recordings from past conferences available
- Webinars and special sessions at professional meetings planned
- Users group website and online community

acsdatacommunity.prb.org



Need Local Stats?

- Assistance Near You! Our regional data staff can help you access local statistics from the ACS or offer training to help build your skills.
- Contact us at:

1-844-ASK-DATA (1-844-275-3282) census.askdata@census.gov



