## South Dakota State Data Conference

Pierre SD October 12, 2017

## Census data tools: American Fact Finder

### **David Schuler**

Data Dissemination Specialist

Data Dissemination Branch
Customer Liaison Marketing and Services Office
Communications Directorate
Bureau of Census
U.S. Department of Commerce
Geneva, IL.
david.f.schuler@census.gov
(C) 312-636-2552

# 21st Century Expectation: Anywhere, Anytime Access

# Meet users' expectations:

- 24/7 access to data
- Easy Access
- Timely
- Relevant

# Census.Gov



# Data Available on Census.gov

### **Decennial Census Data**

- 100% Data
- 10 Questions, 10 Minutes

## American Community Survey Estimates

- 1 year (65,000+)
- 5 year (all pop)

### **Business Datasets**

- Economic Census
- NAICS
- County Business Patterns
- Foreign Trade Data
- Survey of Construction
- Economic Indicators
- Business Dynamics Statistics





# **Decennial Census Data**

## 100% Data

Not a Sample but a count of everyone.

# Short Form Only in 2010

10 Questions, 10 Minutes

### 2010 Census Data Items:

 Race, Ethnicity, Sex, Age, Household Relationship, Housing Tenure (own or rent)

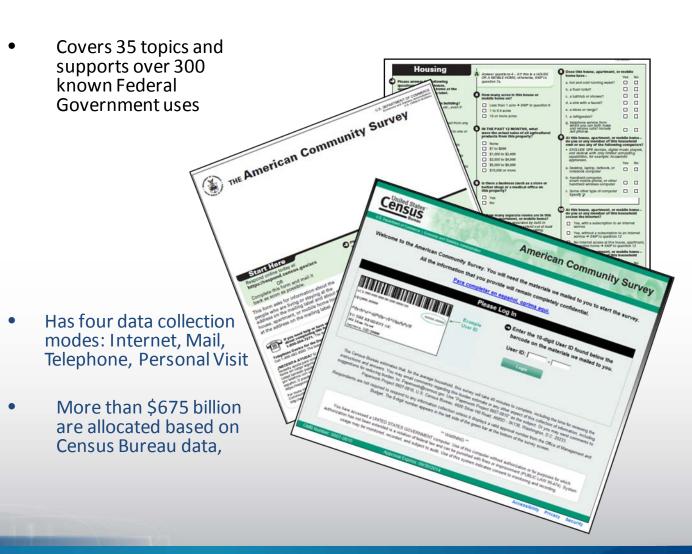
# Geography:

Data is fully available at all levels of geography.

## The American Community Survey

https://www.census.gov/programs-surveys/acs.html

- Largest U.S. survey 3.5
   Million Homes Annually
- Four Key Characteristics
  - Social
  - Economic
  - Housing
  - Demographic
- Margin of Error
- 1, and 5 Year Data Sets Estimates
- Helps inform decision makers
- Geography Limitations
   1 Year above 65K,
   5 Year all populations



# The Economic Census

- Conducted every five years
- Comprehensive Business Information
- Statistics on 1,000+ Industries
- Electronic Reporting Available
- Responses are Confidential



# Other Census Surveys

- Survey of Business Owners
- Current Population Survey
- National Crime Victimization Survey
- Consumer Expenditure
- Survey of Income and Program Participation
- American Housing Survey
- Census of Governments







# The U.S. Census Bureau conducts more than 130 surveys each year, including our nation's largest household survey, the <u>American Community Survey</u> and the largest business survey, <u>Annual Retail Trade</u>.

2015 Census Tests

American Community Survey (ACS)

American Housing Survey (AHS)

American Time Use Survey (ATUS)

Beginning Teacher Longitudinal Study (BTLS)

Consumer Expenditure Survey (CE)

Current Population Survey (CPS)

Housing Vacancy Survey (HVS)

Identity Theft Supplement - part of the National Crime Victimization Survey (NCVS)

La Encuesta sobre la Comunidad Estadounidense

National Ambulatory Medical Care Survey (NAMCS)

National Crime Victimization Survey (NCVS)

National Health Interview Survey (NHIS)

National Hospital Ambulatory Medical Care Survey (NHAMCS)

National Household Education Survey (NHES)

National Survey of Children's Health

National Survey of College Graduates (NSCG)

National Survey of Fishing, Hunting, and Wildlife-Associated Recreation (FHWAR)

New York City Housing and Vacancy Survey (NYCHVS)

Police Public Contact Survey (PPCS)

Population & Housing Census

Principal Follow-up Survey (PFS)

Private School Universe Survey (PSS)

Puerto Rico Community Survey

Rental Housing Finance Survey (RHFS)

Residential Finance Survey (RFS)

School Crime Supplement (SCS)

School Survey on Crime and Safety (SSOCS)

Schools and Staffing Survey (SASS)

Special Census Program

Survey of Income and Program Participation (SIPP)

Survey of Market Absorption of New Multifamily Units (SOMA)

Teacher Follow-Up Survey (TFS)

Telephone Point of Purchase Survey (TPOPS)

2012 Economic Census

2012 Economic Census (NC-99023 and NC-99026 forms)

Academic Libraries Survey

Advance Monthly Sales for Retail and Food Services (MARTS)

Annual Capital Expenditures Survey (ACES)

Annual Parole Survey & Annual Probation Survey

Annual Retail Trade Survey (ARTS)

Annual Services Report (Service Annual Survey)

Annual Survey of Jails

Annual Survey of Manufactures (ASM)

Annual Survey of Public Employment & Payroll (APES)

Annual Survey of School System Finances

Annual Survey of State Government Tax Collections (STC)

Annual Survey of State and Local Government Finances

Annual Wholesale Trade Survey (AWTS)

Building Permits Survey (BPS)

Business Dynamics Statistics (BDS)

Business R&D Surveys

Business and Professional Classification Survey (SQ-CLASS)

Census of Governments

Census of Jails

Census of Juveniles in Resident Placement (CJRP)

Census of State and Federal Adult Correctional Facilities

Commodity Flow Survey (CFS)
Common Core of Data (CCD)

Construction Progress Reporting Survey (CPRS)

County Business Patterns (CBP)

Deaths in Custody Reporting Program (DCRP)

Directory Survey of Local Governments

**Export Statistics** 

Exports from Manufacturing Establishments

Federal Assistance Awards Data System

Federal Audit Clearinghouse (FAC)

Import Statistics

Information & Communication Technology Survey (ICTS)

Justice Assistance Data Survey

Juvenile Residential Facility Census (JRFC)

Local Government School System Finance Survey

Management and Organizational Practices Survey (MOPS)

Manufactured Homes Survey (MHS)

Manufacturers' Shipments, Inventories, and Orders Survey (M3)

Manufacturers' Unfilled Orders Survey (M3UFO)

Manufacturing Energy Consumption Survey (MECS)

Medical Expenditure Panel Survey (MEPS)

Monthly Retail Trade Survey (MRTS)

Monthly Wholesale Trade Survey (MWTS)

National Juvenile Justice Directory Program

National Prisoner Statistics (NPS)

Nonemployer Statistics

Public Libraries Survey (PLS)

Quarterly Financial Report (QFR)

Quarterly Services Survey (QSS)

Quarterly Summary of State and Local Government Tax

Revenue (QTAX)

Quarterly Survey of Plant Capacity Utilization (QPC)

Quarterly Survey of Public Pensions

Quarterly Workforce Indicators (QWI)

Report of Organization (COS)

State Library Agencies Survey

Statistics of U.S. Businesses (SUSB)

Survey of Business Owners and Self-Employed Persons (SBO)

Survey of Construction (SOC)

Survey on Sexual Violence (SSV)

Value of Construction Put in Place

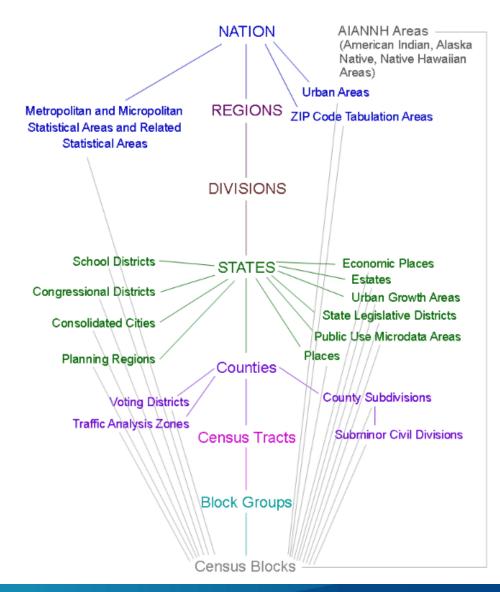


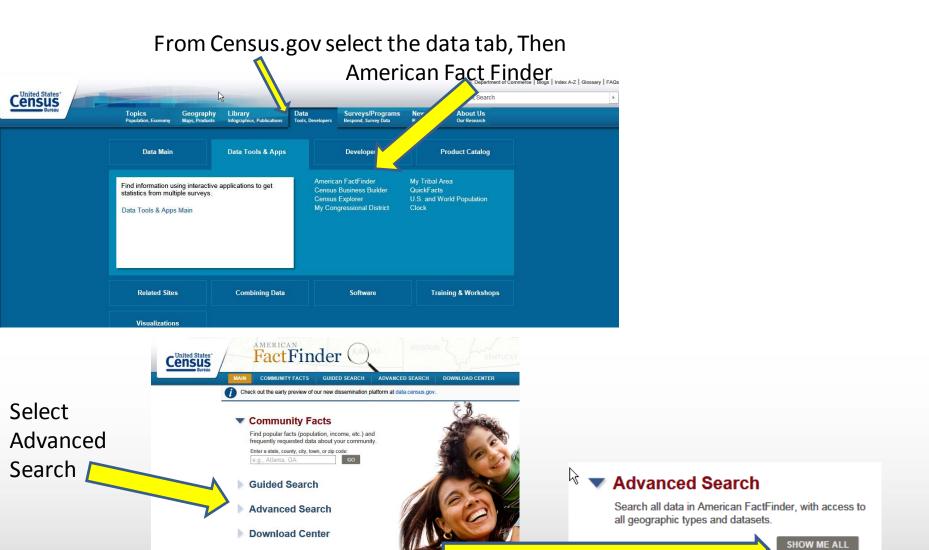
### Geography Atlas <a href="https://www.census.gov/geo/reference/webatlas/">https://www.census.gov/geo/reference/webatlas/</a>

### Standard Hierarchy of Census Geographic Entities

B

The standard hierarchy of census geographic entities displays the relationships between legal, administrative, and statistical boundaries maintained by the U.S. Census Bureau.





# American FactFinder Advanced Search

### http://factfinder.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t

Search - Use the options on the left (topics, geographies, ...) to narrow your search results



To search for tables and other files in American FactFinder:

1 Enter search terms and an optional geography and click GO



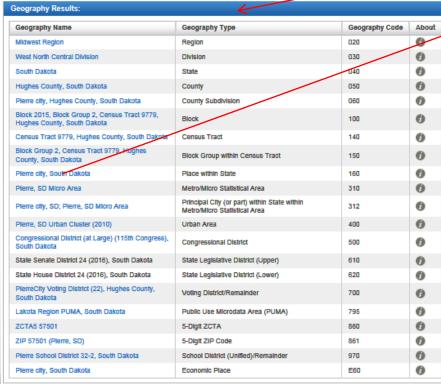
-- or --

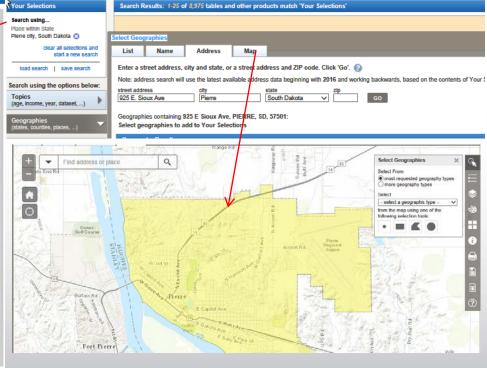
Select from Topics, Race and Ethnic Groups, Industry Codes, EEO Occupation Codes.

- these are added to 'Your Selections'
- · the Search Results are updated
- 2 Next, select Geographies (states, counties, cities, towns, etc.)
  - . these are added to 'Your Selections'
  - the Search Results are updated
- 3 Select one or more Search Results and click View



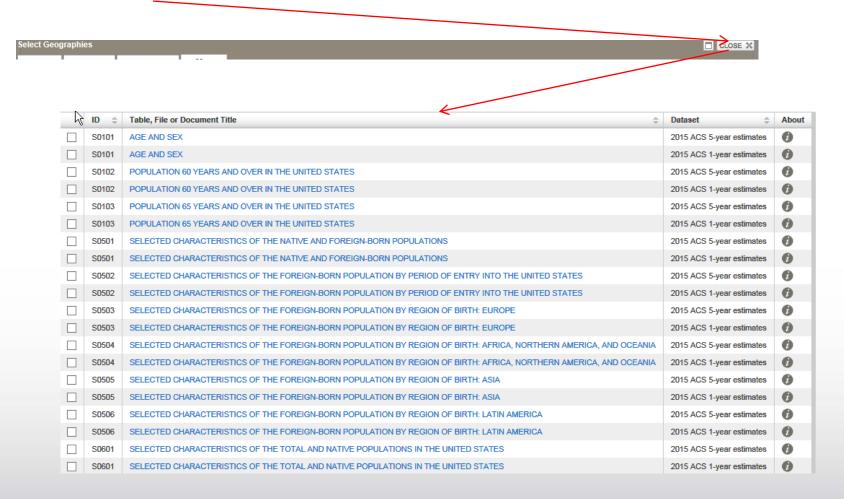
Ged saphies containing 925 E Sioux Ave, PIERRE, SD, 57501: Select geographies to add to Your Selections





Search Results: 1-25 of 8,975 tables and other products match 'Your Selections'

### Close the select Geography window and the available data is displayed



### For selected tables, an alphabetic suffix follows to indicate that a table is rej

Code Race or Ethnic Group

A White Alone

B Black or African American Alone

C American Indian and Alaska Native Alone

D Asian Alone

E Native Hawaiian and Other Pacific Islander Alone

Some Other Race Alone

White Alone, Not Hispanic or Latino

Two or More Races

Hispanic or Latino

### **Guidance for Data Users**

## https://www.census.gov/programs-surveys/acs/guidance.html

- Subjects Included in the Survey
- Which Data Table or Tool Should I Use?
  - Data Tools Chart
  - Table IDs Explained
- When to Use 1-year, 3-year, or 5-year Estimates
- Handbooks
- Comparing ACS Data
  - ACS/Census Table Comparisons
- Statistical Testing Tool
- Training Presentations

#### ▼ Element 1: Table Type

able ID Characters	Type of Table		Contains	
В	Detailed Tables	Base Table	Most detailed estimates on all topics for all geographies	
С		Collapsed Table	Similar information from its corresponding Base Table (B) but at a lower level of detail because one or more lines in the Base Table have been grouped together	
K20	Supplemental Table		The only source of 1-year statistics for selected geographies with populations of 20,000-64,999	
S	Subject Table		A span of information on a particular ACS subject, such as veterans, presented in the format of both estimates and percentages	
R	Ranking Table		State rankings across approximately 90 key variables	
GCT	Geographic Comparison Table		Comparisons across approximately 95 key variables for geographies other than states such as counties or congressional districts	
DP	Data Profile		Broad social, economic, housing, and demographic information in a total of four profiles	
NP	Narrative Profile		Summaries of information in the Data Profiles using nontechnical text	
CP	Comparison Profile		Comparisons of ACS estimates over time in the same layout as the Data Profiles	
S0201	Selected Population Profile		Broad ACS statistics for population subgroups by race, ethnicity, ancestry, tribal affiliation, and place of birth	

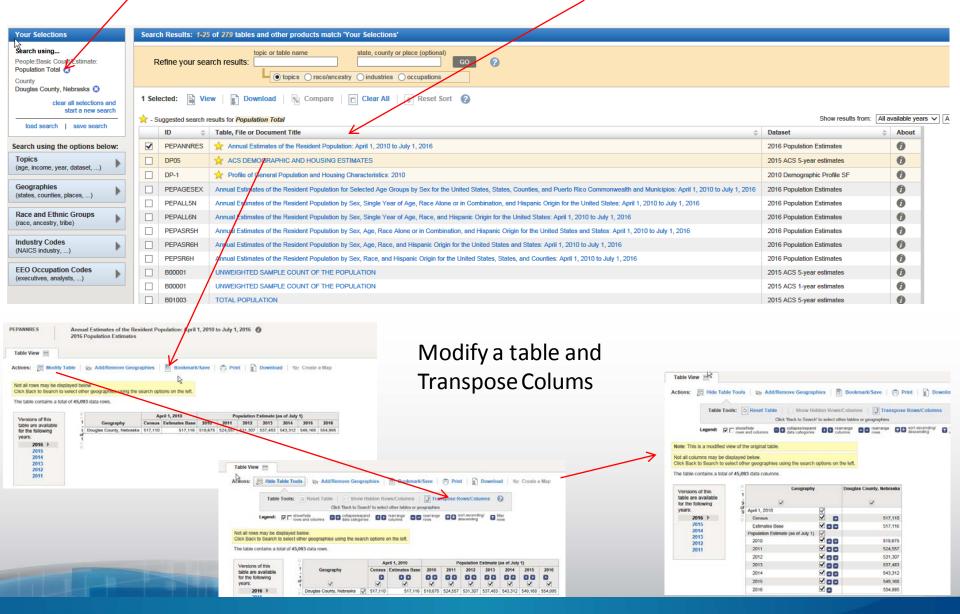
#### ▼ Element 2: Subject (B, C, K20, S, R, and GCT Tables Only)

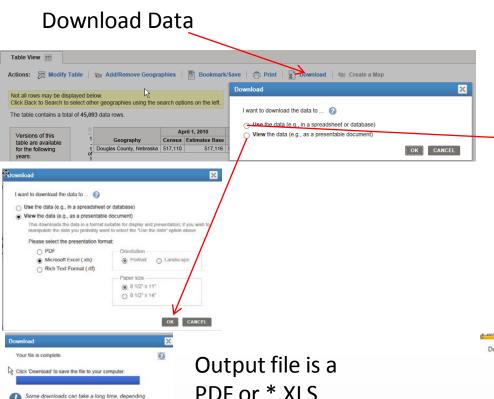
The next 2 characters identify the subject of the table. Profiles (DP, NP, CP, and S0201) cover multiple topics, so they do not have any characters to indicate a subject.

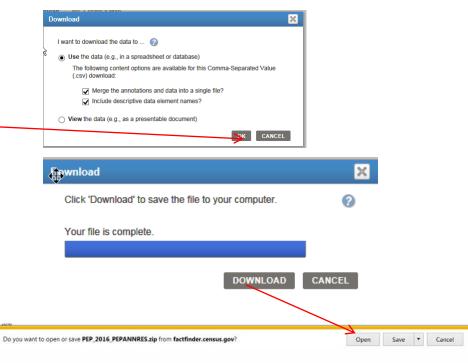
G

characters to indicate a subject.						
Subject Number	Subject Name	Subject Number	Subject Name			
01	Age; Sex	16	Language Spoken at Home			
02	Race	17	Poverty Status			
03	Hispanic or Latino Origin	18	Disability Status			
04	Ancestry	19	Income			
05	Citizenship Status; Year of Entry; Foreign Born Place of Birth	20	Earnings			
06	Place of Birth	21	Veteran Status; Period of Military Service			
07	Migration/Residence 1 Year Ago	22	Food Stamps/Supplemental Nutrition Assistance Program (SNAP)			
08	Commuting (Journey to Work); Place of Work	23	Employment Status; Work Status Last Year			
09	Relationship to Householder	24	Industry, Occupation, and Class of Worker			
10	Grandparents and Grandchildren Characteristics	25	Housing Characteristics			
11	Household Type; Family Type; Subfamilies	26	Group Quarters			
12	Marital Status; Marital History	27	Health Insurance Coverage			
13	Fertility	28	Computer and Internet Use			
14	School Enrollment	98	Quality Measures			
15	Educational Attainment; Undergraduate Field of Degree	99	Allocation Table for Any Subject			

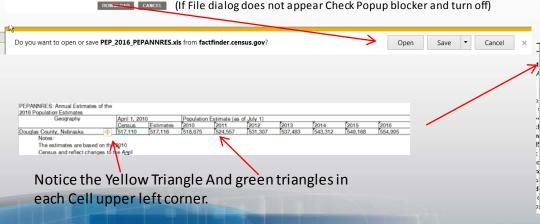
# Select Total Population. All available tables with total population are listed







## Output file is a Zip file with \*.CVS files



75,990 • Number Stored as Text Convert to Number Help on this error Ignore Error Edit in Formula Bar Error Checking Options... Select all cells with green arrows, Hover over yellow triangle, Select Down arrow, Select "Convert to number" Now the cells are filterable

Some downloads can take a long time, depending on the number of geographies and tables included in

your download

# **Continue the Conversation**



312 636 2552



Email david.f.schuler@census.gov
Sign up for and manage alerts at
<a href="https://public.govdelivery.com/accounts/USCENSUS/subscriber/new">https://public.govdelivery.com/accounts/USCENSUS/subscriber/new</a>



@uscensusbureau, #ACSData



facebook.com/uscensusbureau



@uscensusbureau