

Exploring Census Data Webinar Series: Webinar #3 – Education

Census Data on Education

May 27, 2020

Presented by: **Earlene K.P. Dowell and Amanda Klimek**

US Census Bureau



Exploring Census Data Webinar Series

- Monthly webinars on key topics
- Follows real-life use cases
- Presented by Census subject matter experts
- Includes Q&A
- Recorded and posted for later reference
- Learn more at: <https://www.census.gov/academy>
- View 2019 webinar series materials at: <https://www.census.gov/data/academy/webinars.html>

Exploring Census Data Webinar Series

<u>Topic:</u>	<u>Date:</u>
Transportation	March 31, 2020
Finance	April 28, 2020
Education	May 27, 2020
Economic Geography	June 16, 2020
Emerging Technologies	July 21, 2020
New Businesses	August 11, 2020
Hidden Gems	September 22, 2020

SAVE THE DATE: All webinars are **FREE** and start 2:00pm, ET. No registration required – Log in details will be provided 24-48 hours prior to the event. For more information, please contact the Data User & Trade Outreach Branch at 800-242-2184 or ewd.outreach@census.gov

Objectives

 Raise awareness of the wealth of data available to help users better understand the Educational services sector (NAICS 61)

 Train users on how best to access these valuable data using key Census Bureau data tools

[census.gov](https://www.census.gov)

- To obtain an archived copy, visit [census.gov](https://www.census.gov) / Explore Data / Census Academy
- Find stories and free visualizations under 'Library'



Outline

- I. About the Census Bureau
- II. Data Sources:
 - **Post Secondary Employment Outcomes (PSEO)**
 - **Job-to-Job Flows (J2J)**
 - **Longitudinal Employer-Household Dynamics (LEHD)**
 - **American Community Survey (ACS)**
- III. Accessing our statistics:
 - data.census.gov

Check Out Census Data in Action!

America Counts: Stories Behind the Numbers

We feature stories on various topics such as families, housing, employment, business, education, the economy, emergency preparedness, and population.

America Counts: Stories Behind the Numbers –
<https://www.census.gov/library/stories.html>



About the Census Bureau

- The U.S. Census Bureau is the federal government's largest statistical agency.
- We conduct more than 130 censuses and surveys each year, including
 - **The Decennial Census** – the once-a-decade population and housing count of the United States
 - **The American Community Survey** – the ongoing annual survey of the nation's population
 - **The Economic Census** – the official five-year measure of American business
 - **The Census of Governments** – identifies the scope and nature of the nation's state and local government sector
- Our mission is to serve as the leading source of quality data about America's people, places, and economy.

Decennial Population
and Housing Census
Every 10 years

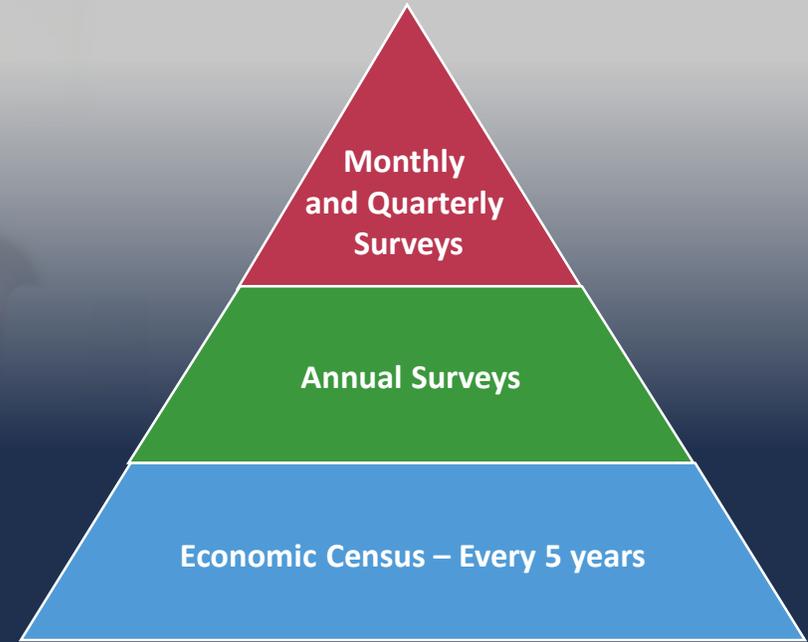
Economic Census
Every 5 years

Census of Governments
Every 5 years

American Community Survey
Annual

Annual Retail Trade
Annual

Plus more than 130
demographic and economic surveys
every year



Census Economic Surveys

- Census Bureau Economic Surveys are a key source for official statistics companies can use:
 - Monthly and Quarterly are small sample surveys that provide the most **TIMELY** data available
 - Annual surveys have larger samples and provide the most up-to-date **TREND** data available
 - Every 5 years, the Economic Census measures all businesses and provides the most **COMPREHENSIVE** data available
- These surveys set the standard for U.S. economic statistics, and are fueled by the data provided by individual businesses

Key Census Bureau Terms

- NAICS (North American Industry Classification System)
 - Our primary data dimension
- Establishments (vs. Companies, Firms, etc.)
 - Our collection/tabulation level
- Employers (vs. Nonemployers)
 - Most programs only cover employer businesses
 - Nonemployers: self-employed individuals
- U.S. Code Title 13 and 26
 - Protects business privacy and confidentiality



Census and Education

- Educational Attainment
- Educational Enrollment
- Public School System and Finances
- Teaching about Statistics
- Educational Services
 - Elementary and Secondary Schools
 - Junior Colleges
 - College, Universities, and Professional
 - Business and Computer and Management Training
 - Technical and Trade Schools
 - Other Schools and Instructions
 - Educational Support Services



We're on Pinterest
STATISTICS IN SCHOOLS

POPULATION

Teachers Can Now “Pin” Class Activities From Census Bureau’s Statistics in Schools on Pinterest

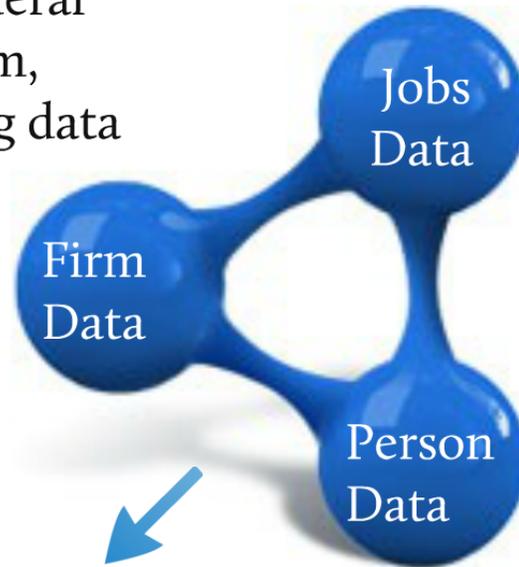
Classroom activities and other resources for pre-K-12 teachers are now available on Pinterest for each of the 50 states, Puerto Rico and four U.S. Island Areas.

<https://www.census.gov/library/stories.html>

Longitudinal Employer-Household Dynamics (LEHD) Program

What are LEHD and LED?

An innovative federal statistical program, collecting existing data and ...

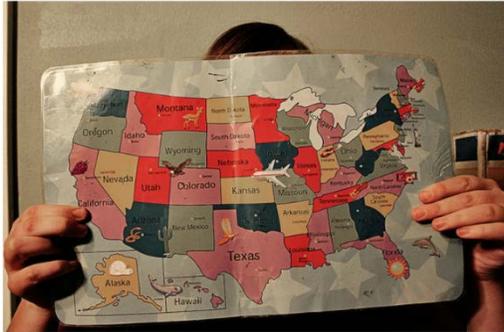


New linked national jobs data for the U.S.

The LEHD Program at Census

..linking it together to provide new information sources at low cost

Local Employment Dynamics: Public Use Data Products



The Quarterly Workforce Indicators (QWI)

- Employment
- Job Creation, Job Destruction, Hires, Separations, Turnover
- By industry, county, CBSA, state, Workforce Investment Area (WIA) and worker characteristics

Job-to-Job Flows (J2J)

- Traces worker movement through industries, geographic labor markets, and to/from employment and to/from employment

OnTheMap/LEHD Origin-Destination Employment Statistics (LODES)

- Employment at the Census block level by where workers live and work
- Popular uses - local economic development, business site selection, and emergency planning

Post-Secondary Employment Outcomes (PSEO)

- New set of experimental statistics on the earnings and employment outcomes of graduates of post-secondary institutions in the United States,

Veteran Employment Outcomes (VEO)

- Experimental Veteran Employment Outcomes statistics of earnings and employment of army veterans after discharge.

LED in Action



Professional services, health care top industries for U-M graduates

ANN ARBOR—Ten years after earning a bachelor's degree from the University of Michigan, more graduates work in professional, scientific and technical service fields than any other classification.

The data were released today through a collaboration between U-M, the Institute for Research on Innovation and Science (IRIS), and the U.S. Census Bureau. IRIS partners with the U.S. Census Bureau to link data from participating universities to the Census Bureau's Longitudinal Employer-Household Dynamics dataset to produce detailed employment and geographical information on alumni. The data covered from 2001 to 2015.

U-M has publicly released data on the industries in which their graduates work. For bachelor's degree graduates (across all fields and years), the top industries for employment 10 years after graduation were:

August 6, 2019

Contact: [Greta Guest](mailto:gguest@umich.edu)
gguest@umich.edu,
[Dan Meisler](mailto:dmeisler@umich.edu)
dmeisler@umich.edu

Share on: [Twitter](#) [Facebook](#) [LinkedIn](#)

Educational Attainment

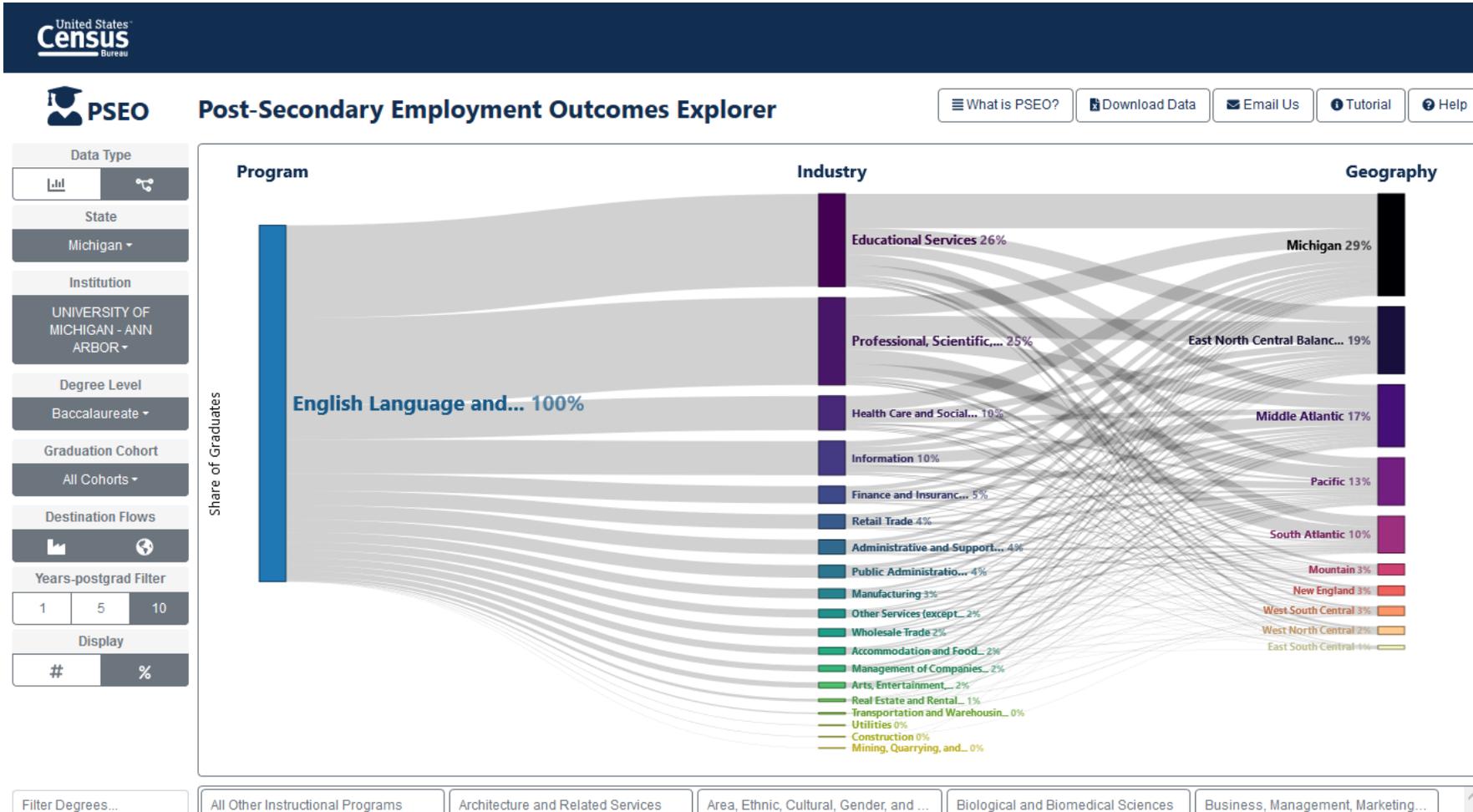
- Post Secondary Employment Outcomes - PSEO

A joint pilot project between university systems, state higher education systems, and the Census Bureau, the Post-Secondary Employment Outcomes (PSEO) are experimental tabulations providing national earnings statistics for graduates of post-secondary institutions.

- PSEO Provides
 - 25th, 50th, and 75th percentiles of annual earnings for college and university graduates.
 - Employment by industry and region of the country.
 - By degree level, degree major, and post-secondary institution.
 - One year, five years, and 10 years after graduation.

- Current PSEO partners:
 - The University of Texas system (2017)
 - Colorado Department of Higher Education (2017)
 - University of Michigan, Ann Arbor (2018)
 - University of Wisconsin, Madison (2018)
- Future Partners
 - Ohio
 - New York

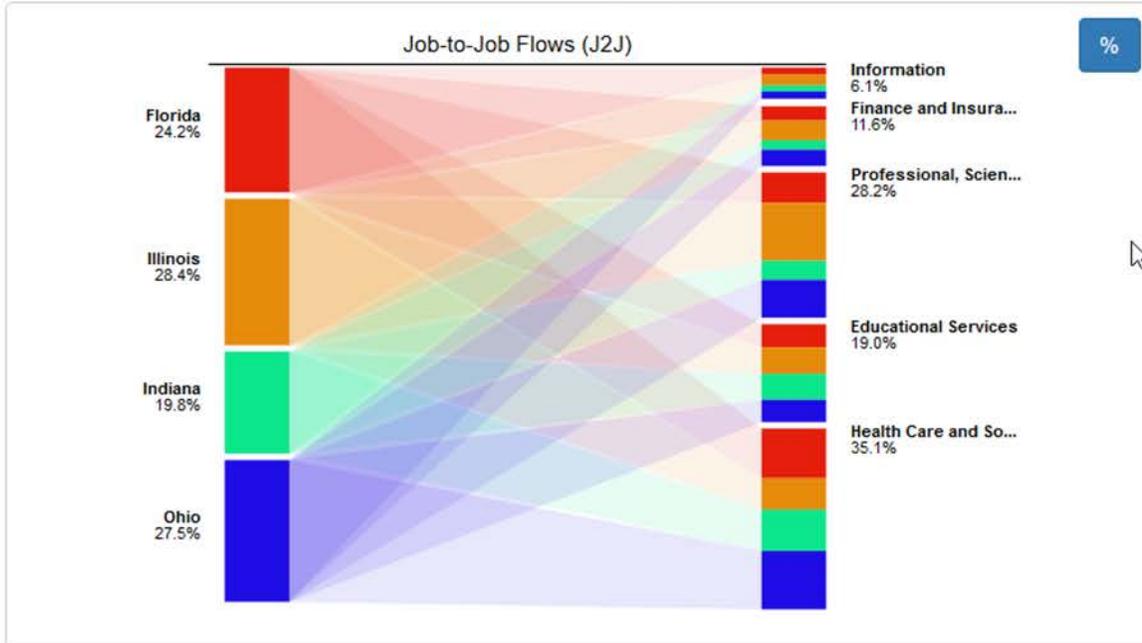
PSEO Explorer



LEHD Educational Attainment Break Down

- Less Than High School
- High School or Equivalent (No college)
- Some College or Associate Degree
- Bachelor's Degree or Advanced Degree
- Educational Attainment Not Available (Workers Aged 24 or Younger)

<https://j2jexplorer.ces.census.gov/>



■ Florida ■ Illinois ■ Indiana ■ Ohio

Job-to-Job Flows from Michigan to 5 Industries in Florida, Illinois, Indiana and Ohio

Average of 2007 Q1 - 2017 Q4

Indicator ?

Job-to-Job Flows (J2J)

Job flows with a short or no observed nonemployment spell

Left Column ?

Right Column ?

Destination State

Destination NAICS Sec

Florida, Illinois, Indiana, Ohio

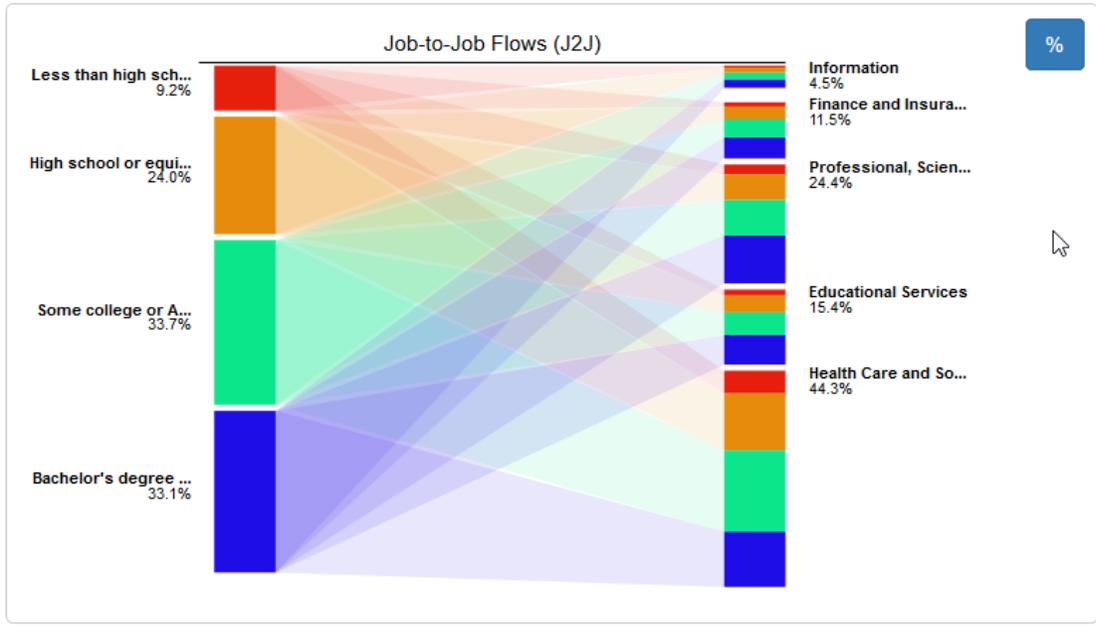
Information, Finance and Insurance, Professional, Scientific, and Technical Services, Educational Services, Health Care and Social Assistance

Add Comparison Indicator ?

None

Educational Attainment and Industry

Table Line Bar Map Bipartite Matrix Go full screen Export data



■ Less than high school ■ High school or equivalent, no college ■ Some college or Associate degree
■ Bachelor's degree or advanced degree

Job-to-Job Flows from Michigan to 5 Industries by Education
Average of 2007 Q1 - 2017 Q4

Indicator ⓘ

 Job flows with a short or no observed nonemployment spell

Left Column ⓘ Right Column ⓘ

Less than high school, High school or equivalent, no college, Some college or Associate degree, Bachelor's degree or advanced degree Information, Finance and Insurance, Professional, Scientific, and Technical Services, Educational Services, Health Care and Social Assistance

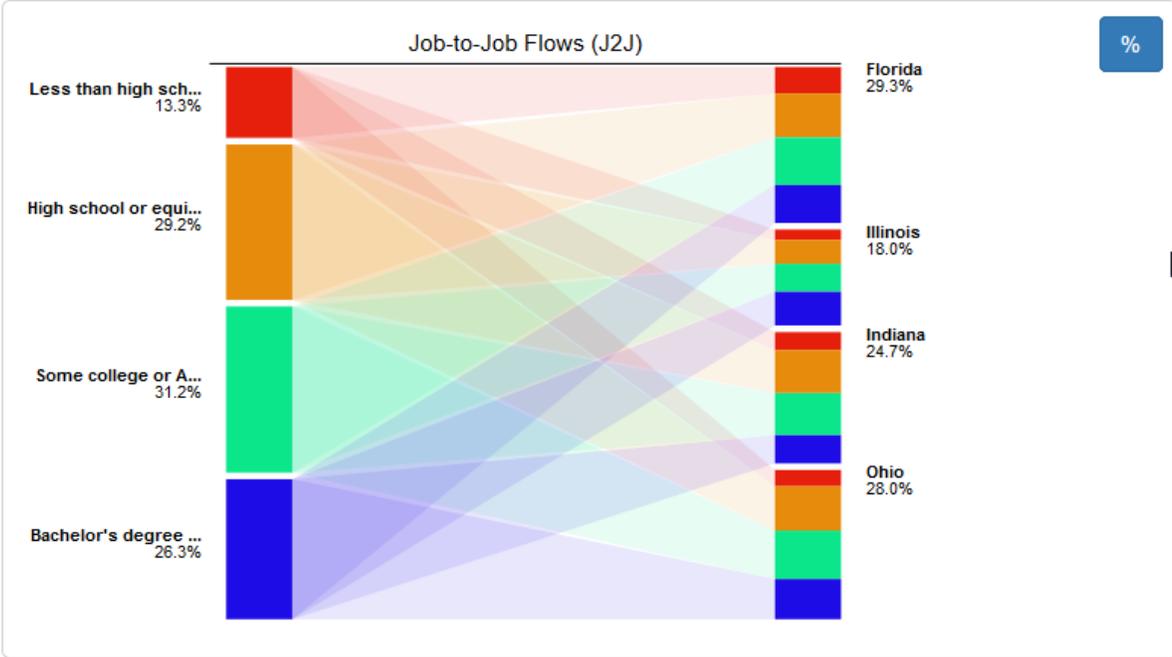
Add Comparison Indicator ⓘ

Filters ⓘ

Time Worker

Educational Attainment and Destination State

Table Line Bar Map **Bipartite** Matrix Go full screen Export data



■ Less than high school ■ High school or equivalent, no college ■ Some college or Associate degree
■ Bachelor's degree or advanced degree

Job-to-Job Flows from Michigan to Florida, Illinois, Indiana and Ohio by Education

Average of 2007 Q1 - 2017 Q4

Indicator ?

Job-to-Job Flows (J2J) ▼

Job flows with a short or no observed nonemployment spell

Left Column ? **Right Column ?**

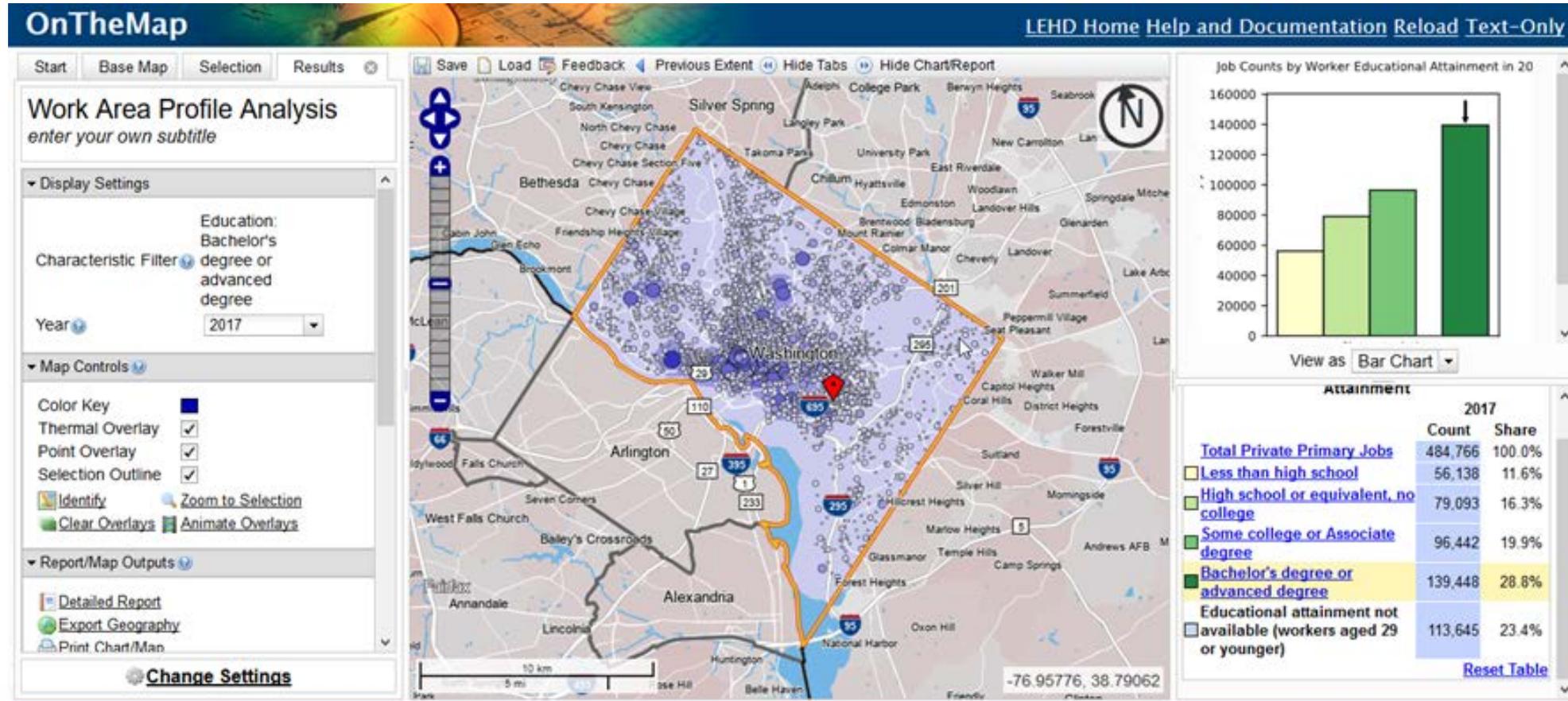
Education ▼ Destination State ▼

Less than high school, High school or equivalent, no college, Some college or Associate degree, Bachelor's degree or advanced degree Florida, Illinois, Indiana, Ohio

Add Comparison Indicator ?

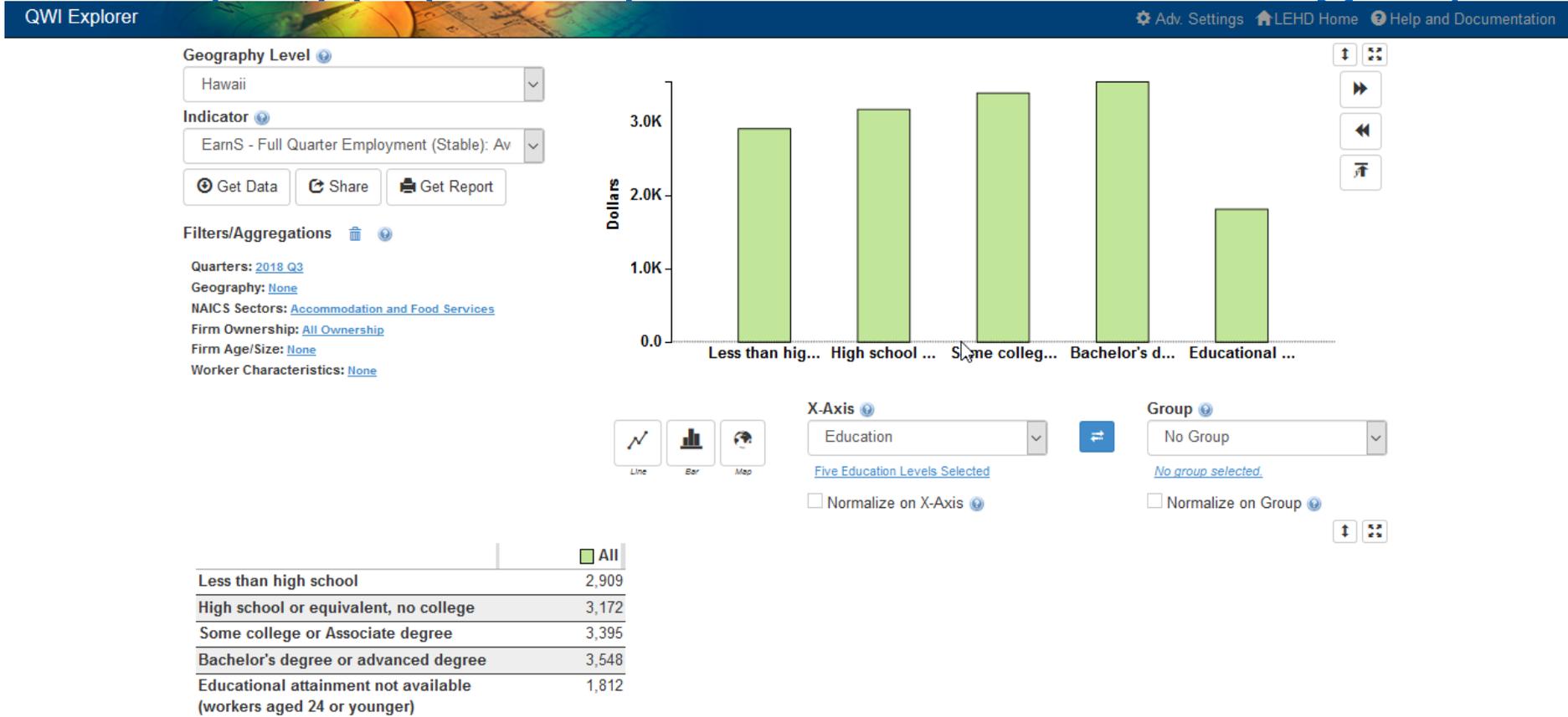
None ▼

Educational Attainment and <https://onthemap.ces.census.gov/>



Educational Attainment and

<https://qwiexplorer.ces.census.gov/>



Economic Census

2017 Economic Census

- NAICS: Nearly every 2- thru 6-digit code covered by the Census Bureau
 - Excludes Agriculture (NAICS 11) and other selected types of business (see https://www.census.gov/programs-surveys/economic-census/guidance/understanding-naics.html#par_textimage for full list of exclusions)
- Geography: National, state, metro and other lower geographies (areas shown vary by sector)
- Other Dimensions: Data by business size (establishment and firm; employment and revenue), Legal Form of Organization, Franchise status, etc.
- Over 200 data variables shown, including number of establishments, employment, payroll and “sales” plus sector-specific variables (inventories, assets, expenses, etc.)

DATA FROM THE
NATION'S BUSINESSES

+

STATS ON EVERY INDUSTRY
AND GEOGRAPHY

=

ONE VALUABLE RESOURCE
FOR YOUR BUSINESS

THE ECONOMIC CENSUS.
SEE HOW IT ALL ADDS UP.

Learn more at [census.gov/EconomicCensus](https://www.census.gov/EconomicCensus)



2017 Economic Census Geography Releases – Educational Services Sector for Colorado at the 6-digits NAICS for ‘All Establishments’

- **Professional and Management Training: (NAICS code 611430)**
 - Number of firms = 333
 - Number of establishments = 347
 - Sales, value of shipments, or revenue (\$1,000) = \$332,471
 - Number of employees = 1,540
- **Fine Arts Schools: (NAICS code 611610)**
 - Number of firms = 331
 - Number of establishments = 342
 - Sales, value of shipments, or revenue (\$1,000) = \$115,819
 - Number of employees = 2,385

(Source: 2017 Economic Census, TableID: EC1761BASIC)

2017 ECONOMIC CENSUS

What Has Been Released by State?

States/sectors released as of **April 23, 2020**



1. Select a sector from this menu:

2. Hover over a state hexagon to access the state's sector data.



U.S. Department of Commerce
U.S. CENSUS BUREAU
census.gov

Source: 2017 Economic Census
www.census.gov/programs-surveys/economic-census.html



What's New for 2017

- Geographic Areas
- NAICS updates
- NAPCS
- New disclosure rules
- Data.census.gov platform

Presenting...
Your 2017
Economic Census Data!



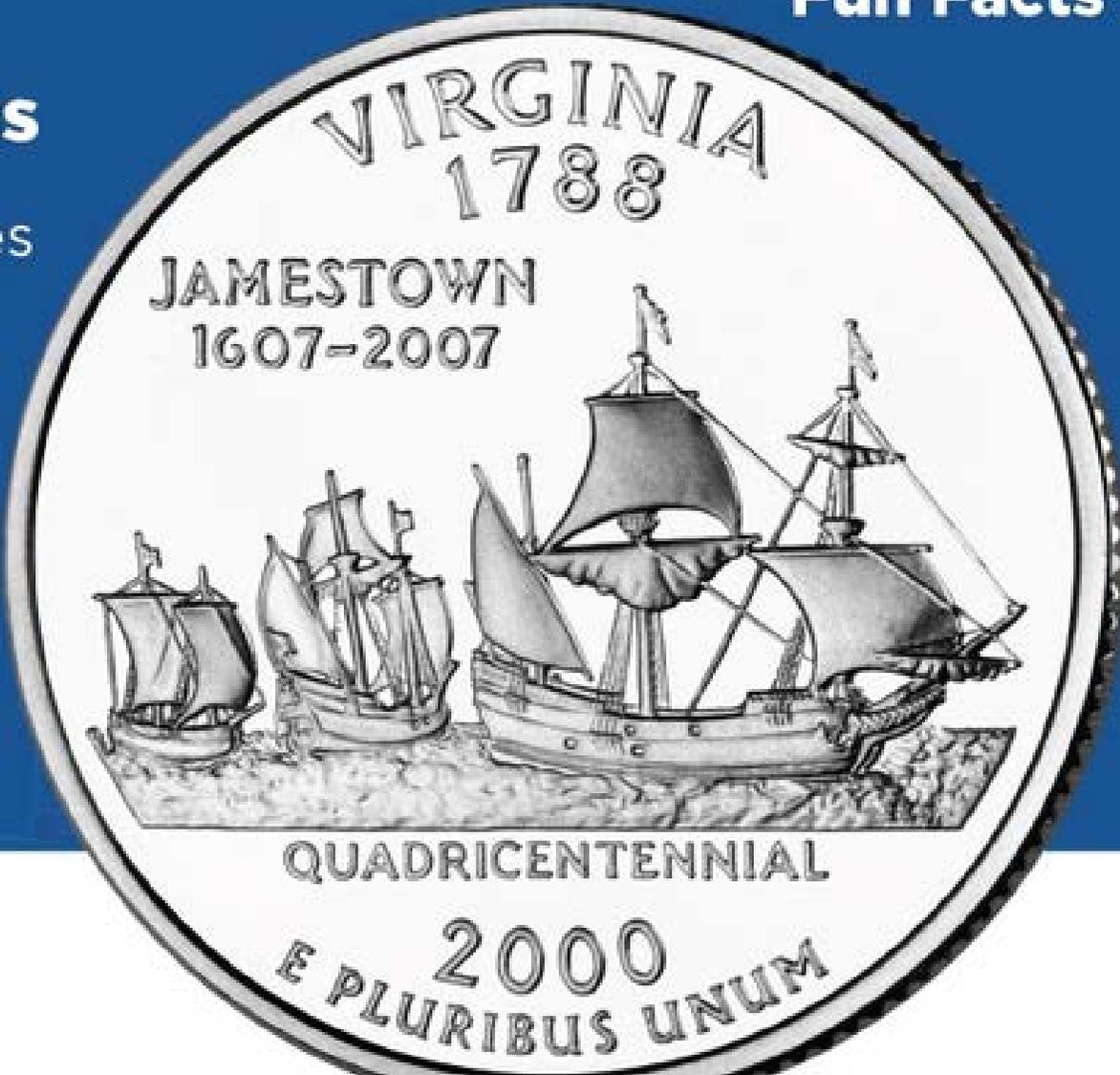
Found on
data.census.gov

Fun Facts

Data just released from the
2017 Economic Census

The 2,419 Educational Services (NAICS 61) establishments in Virginia reported revenue of \$2.4 billion in 2017.

www.census.gov/economiccensus



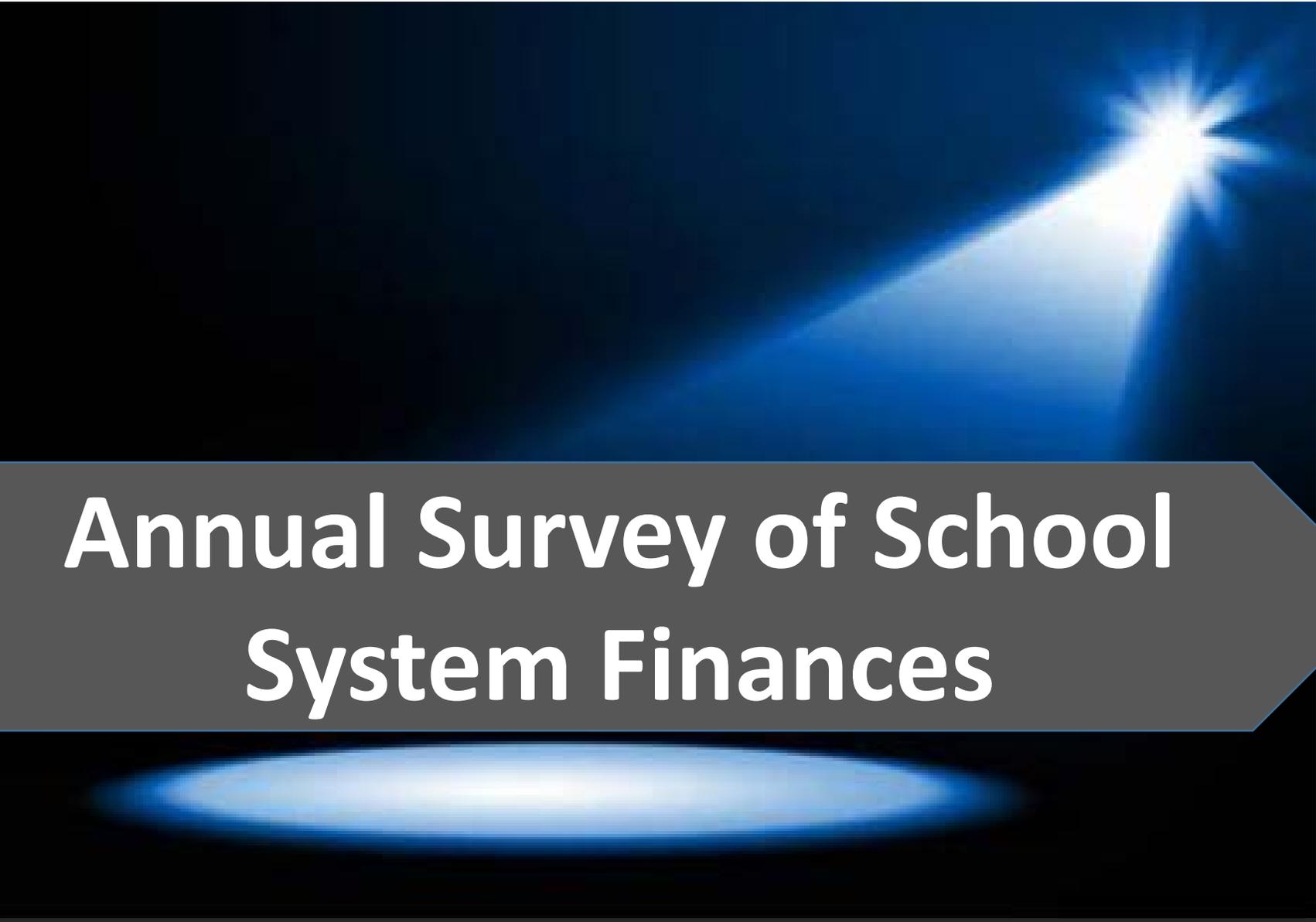
U.S. Department of Commerce
U.S. CENSUS BUREAU
census.gov

2017 Economic Census Planned Data Product Releases

2017 Economic Census Planned Data Product Releases

Statistics Set	Report Title	Planned Release Date or Date Range
Core Business Statistics	Economy Wide Business Statistics for the U.S. - First Look	September 2019
	Comparative Statistics for the U.S. (2012 NAICS Basis): 2017 and 2012	December 2021
	Bridge Statistics for the U.S. (2012 NAICS Basis): 2017 and 2012	December 2021
	Franchise	December 2021
Geographic Area Statistics (U.S., States, and Selected Geographies)	Mining: Geographic Area Statistics	January 2020 - November 2020
	Construction: Geographic Area Statistics	
	Manufacturing: Geographic Area Statistics	
	Wholesale Trade: Geographic Area Statistics	
	Retail Trade: Geographic Area Statistics	
	Services: Geographic Area Statistics	
Product Statistics	Product Statistics: NAICS x NAPCS for the U.S. and States where applicable	November 2020
	Product Statistics: NAPCS x NAICS for the U.S.	

Establishment and Firm Size Statistics	Estab & Firm Size Summary Statistics by Revenue Size of Establishments	November 2020 - September 2021
	Estab & Firm Size Summary Statistics by Employment Size of Establishments	
	Estab & Firm Size Summary Statistics for Single Unit and Multiunit Firms	
	Estab & Firm Size Summary Statistics by Revenue Size of Firms	
	Estab & Firm Size Summary Statistics by Employment Size of Firms	
	Estab & Firm Size Summary Statistics by Concentration of Largest Firms	
	Estab & Firm Size Summary Statistics by Legal Form of Organization	
	Manufacturing: Detailed Statistics for the U.S.	
	Construction: Detailed Statistics for the U.S., Regions, and States	
	Mining: Detailed Statistics for the U.S.	
Miscellaneous Statistics	Mining: Miscellaneous Subjects	
	Construction: Miscellaneous Subjects	
	Manufacturing: Miscellaneous Subjects	
	Services: Miscellaneous Subjects	
	Wholesale Trade: Miscellaneous Subjects	
	Retail Trade: Miscellaneous Subjects	



Annual Survey of School System Finances

Annual Survey of School System Finances

- Statistics about finances of elementary and secondary public school systems
- Frequency – annually
 - Collection begins six months after the fiscal year ends and continues for the next nine months
- Detailed tables for FY2017 were released on May 19, 2019
 - Includes
 - Revenue, Expenditures, debt, and Assets, characteristics
 - And similar detail, per pupil, for the largest 100 public school systems by enrollment.
- Access to data – <https://www.census.gov/programs-surveys/school-finances/data/tables.html>

[Access to the Annual Survey of School System Finances](https://www.census.gov/programs-surveys/school-finances/data/tables.html)

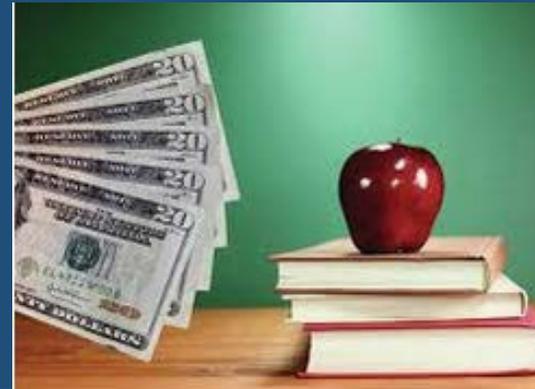


- data.census.gov
- [https://www.census.gov/programs-surveys/school-finances.html](https://www.census.gov/programs-surveys/school-finances/data/tables.html)

Background: Annual Survey of School System Finances

- From 1957 to 1977 school expenditure data was included in Annual Government Finance Survey
- Summary tables are released each annual year and is part of the Census of Governments for years ending with “2” and “7”
- Data is public and not subject to confidentiality
- Content incorporates revenue by source, expenditures by function on object, and indebtedness and cash investments

- Major Uses Include:
 - Allocation of Federal Grant Funds
 - Legislative Research
 - Wage and Salary Negotiations
 - Comparative Studies of School Finances Across the Country



American Community Survey

American Community Survey

- 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 3.5 million addresses and informs over \$675 billion of Federal government spending each year
- Covers 40+ topics, supports over 300 evidence-based Federal government uses, and produces 11 billion estimates each year
- Three key annual data releases:
 - 1-year Estimates (for large populations)
 - 1-year Supplemental Estimates (for small populations)
 - 5-year Estimates (for very small populations)

Key stats from the ACS for Education in the United States in 2018:

Educational Attainment:

Population 25 years and over that are a high school graduate or over: 88.3%

School Enrollment:

Population ages 3 to 4 enrolled in school: 48.2%

Industry and Occupation:

Preschool and kindergarten teachers: 346,550

(Source: 2014-2018 ACS 5-Year Estimates)

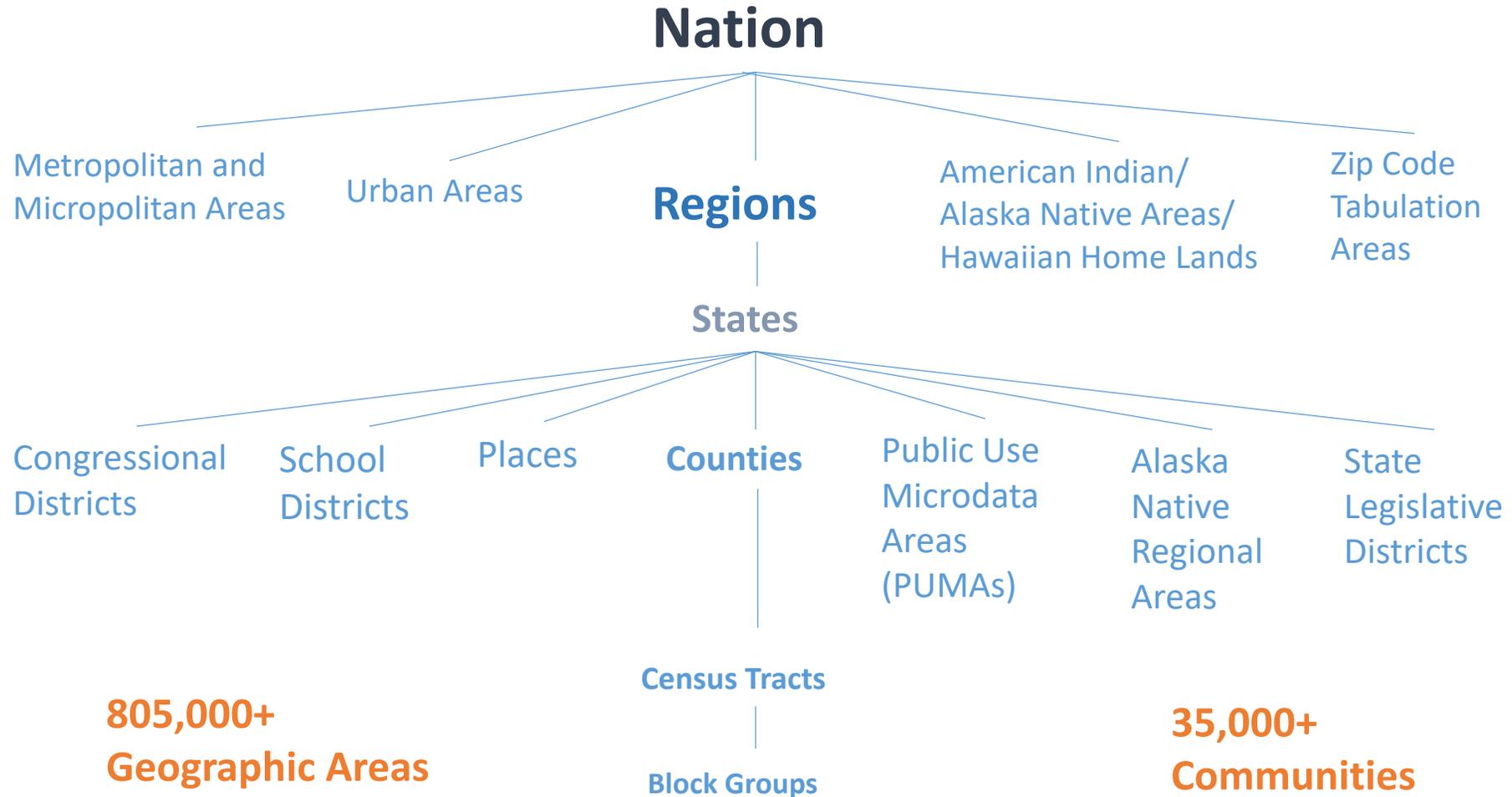
Content Overview

POPULATION		HOUSING
SOCIAL Ancestry Citizenship Citizen Voting Age Population Disability Educational Attainment Fertility Grandparents Language Marital Status Migration School Enrollment Veterans	DEMOGRAPHIC Age Hispanic Origin Race Relationship Sex ECONOMIC Class of Worker Commuting Employment Status Food Stamps (SNAP) Health Insurance Hours/Week, Weeks/Year Income Industry & Occupation	Computer & Internet Use Costs (Mortgage, Rent, Taxes, Insurance) Heating Fuel Home Value Occupancy Plumbing/Kitchen Facilities Structure Tenure (Own/Rent) Utilities Vehicles Year Built/ Year Moved In

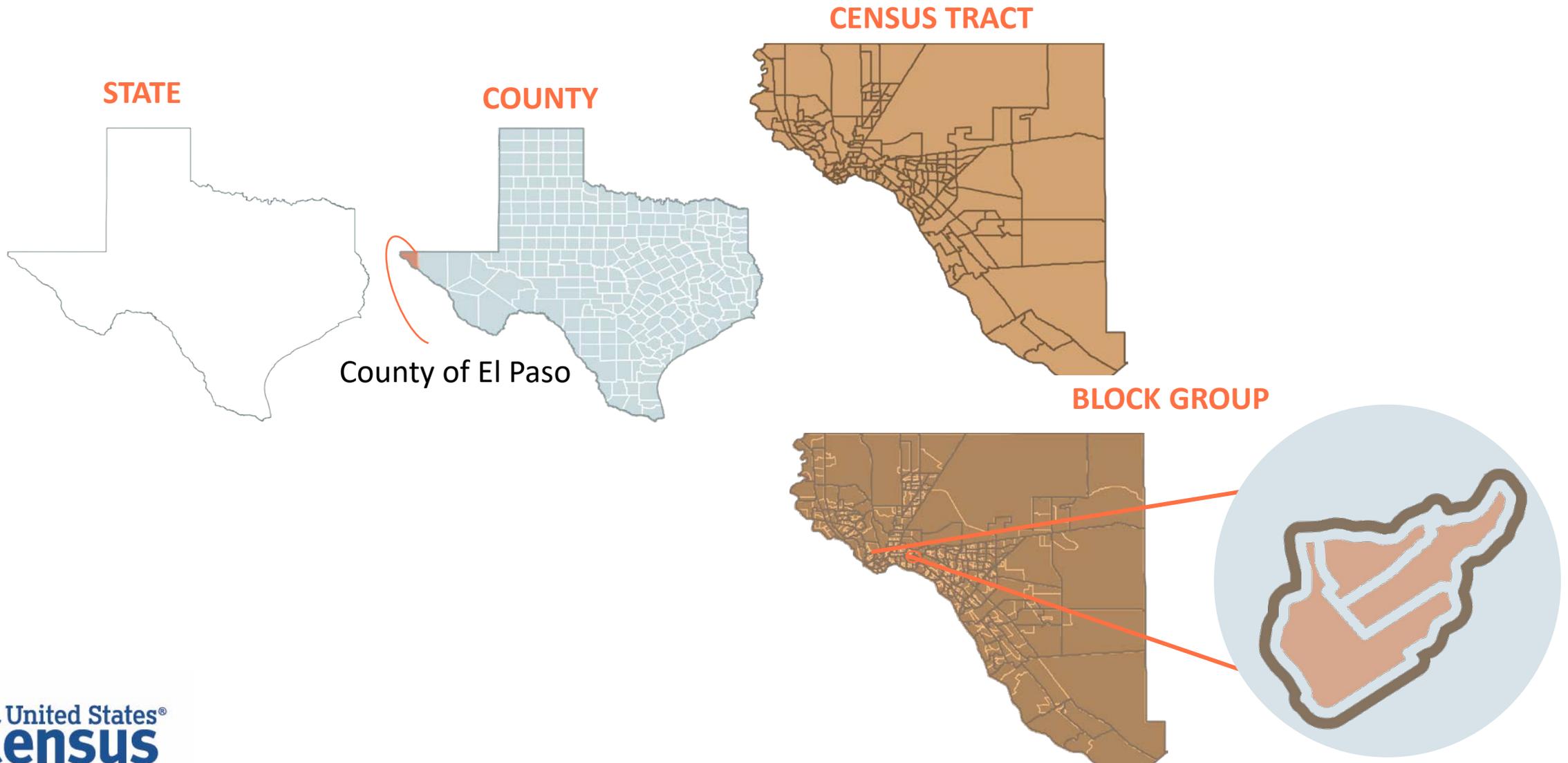
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Selected Census Geographic Concepts



Selected Census Geographic Concepts



Data by School District

United States Census Bureau

Search

// Search / Tables / DP05

ACS DEMOGRAPHIC AND HOUSING ESTIMATES

Survey/Program: American Community Survey TableID: DP05 Product: 2018: ACS 1-Year Estimates Data Profiles

Data Notes Selections **1 Geography** Years Topic Survey Code 123 Hide Filter Sort Transpose Table **Margin of Error** Restore Layout More

	Ann Arbor Public Schools, Michigan			
	Estimate	Margin of Error	Percent	Percent Margin of Error
✓ SEX AND AGE				
✓ Total population	173,901	+/-3,445	173,901	(X)
Male	86,623	+/-2,672	49.8%	+/-1.2
Female	87,278	+/-2,747	50.2%	+/-1.2
Sex ratio (males per 10...	99.2	+/-4.8	(X)	(X)
Under 5 years	7,167	+/-1,071	4.1%	+/-0.6
5 to 9 years	7,070	+/-1,310	4.1%	+/-0.7
10 to 14 years	7,822	+/-1,231	4.5%	+/-0.7
15 to 19 years	16,748	+/-1,691	9.6%	+/-1.0
20 to 24 years	33,944	+/-1,973	19.5%	+/-1.2
25 to 34 years	29,249	+/-1,897	16.8%	+/-1.0
35 to 44 years	18,526	+/-1,482	10.7%	+/-0.8

Selected Ways to Access Data

- QuickFacts
- My Congressional District
- My Tribal Area
- OnTheMap for Emergency Management
- Census Business Builder
- TIGER/Line Shapefiles w/ Selected Demographic Data
- Application Programming Interface (API)
- data.census.gov

ALL TOPICS	UNITED STATES
PEOPLE	
Population (July 1, 2015) (ESTIM.)	382,726,978
Population (July 1, 2010) (2010)	309,745,514
Population (July 1, 2005) (2005)	282,435,421
Population (July 1, 2000) (2000)	248,709,873
Population (July 1, 1995) (1995)	223,842,023
Population (July 1, 1990) (1990)	203,318,201
Population (July 1, 1985) (1985)	183,629,233
Population (July 1, 1980) (1980)	165,012,222
Population (July 1, 1975) (1975)	147,848,221
Population (July 1, 1970) (1970)	131,629,221
Population (July 1, 1965) (1965)	116,912,221
Population (July 1, 1960) (1960)	103,652,221
Population (July 1, 1955) (1955)	91,912,221
Population (July 1, 1950) (1950)	81,512,221
Population (July 1, 1945) (1945)	72,612,221
Population (July 1, 1940) (1940)	65,312,221
Population (July 1, 1935) (1935)	59,412,221
Population (July 1, 1930) (1930)	54,912,221
Population (July 1, 1925) (1925)	51,612,221
Population (July 1, 1920) (1920)	49,412,221
Population (July 1, 1915) (1915)	48,312,221
Population (July 1, 1910) (1910)	48,312,221
Population (July 1, 1905) (1905)	48,312,221
Population (July 1, 1900) (1900)	48,312,221
Population (July 1, 1895) (1895)	48,312,221
Population (July 1, 1890) (1890)	48,312,221
Population (July 1, 1885) (1885)	48,312,221
Population (July 1, 1880) (1880)	48,312,221
Population (July 1, 1875) (1875)	48,312,221
Population (July 1, 1870) (1870)	48,312,221
Population (July 1, 1865) (1865)	48,312,221
Population (July 1, 1860) (1860)	48,312,221
Population (July 1, 1855) (1855)	48,312,221
Population (July 1, 1850) (1850)	48,312,221
Population (July 1, 1845) (1845)	48,312,221
Population (July 1, 1840) (1840)	48,312,221
Population (July 1, 1835) (1835)	48,312,221
Population (July 1, 1830) (1830)	48,312,221
Population (July 1, 1825) (1825)	48,312,221
Population (July 1, 1820) (1820)	48,312,221
Population (July 1, 1815) (1815)	48,312,221
Population (July 1, 1810) (1810)	48,312,221
Population (July 1, 1805) (1805)	48,312,221
Population (July 1, 1800) (1800)	48,312,221

My Tribal Area

Enter name of Tribal Area

OR

1 Arizona

2 Navajo Nation Reservation and Off-Reservation Trust Land, AZ-NM-UT

Navajo Nation Reservation and Off-Reservation Trust Land, AZ-NM-UT
Source: 2012-2016 American Community Survey 5-Year Estimates

Sex and Age	Estimate	ACS Margin of Error
Total population	174,692	(+/-1,852)
Male	85,042	(+/-1,067)
Female	89,650	(+/-1,131)
Under 5 years	13,844	(+/-470)
5 to 9 years	15,370	(+/-426)
10 to 14 years	15,054	(+/-426)
15 to 19 years	15,020	(+/-470)
20 to 24 years	14,659	(+/-517)
25 to 34 years	22,229	(+/-643)

My Congressional District

1 Arkansas

2 Congressional District 2

Congressional District 2, Arkansas
Source: 2015 American Community Survey 5-Year Estimates

Employment Status	Estimate
Population 15 years and over	600,900
In labor force	367,537
Civilian labor force	363,512
Employed	343,950
Unemployed	19,564
Armed Forces	4,028
Not in labor force	233,428
Civilian labor force	368,512
Unemployment Rate	5.3%

OnTheMap for Emergency Management

Search:

Events as of 11/06/2017

- California: Tropical Depression Neoteron
- California: Money Fire
- California: Tank Hollow Fire
- California: Trout Creek Fire
- California: Tank Hollow Fire
- California: CROWN Fire
- California: 2017 Windfall Mt Overwater 1 Fire
- California: Bear Mountain Fire
- California: Federal Disaster Declarations DR-3205

Census Business Builder: Small Business Edition - 2.2

Search by Location: Fairfax County, Virginia

Average revenue per employee: \$112,552

92% of businesses have revenue per employee higher than \$112,552

67.7% of businesses have revenue per employee higher than \$112,552

775 of businesses have revenue per employee higher than \$112,552

Explore Census Data

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

I'm looking for ...

Advanced Search

Send Feedback
cedsci.feedback@census.gov



ACS Summary Data vs. Public Use Microdata Sample (PUMS)

	Male	
	Estimate	Margin of Error
Population 25 to 34 years	659,053	+/-3,856
High school graduate or higher	604,937	+/-5,365
Bachelor's degree or higher	204,379	+/-5,895

Individual responses:
 “This 34-year-old male in Michigan has a high school diploma.”

Aggregated tables for a geography:
 “In 2018 in Michigan, there were approximately 605,937 males age 25 to 34 years that were a high school graduate or higher.”

RT	SERIALNO	SPORDER	ST	AGEP	SCHL	SEX
P	2018GQ0005818	1	26	94	19	2
P	2018GQ0005825	1	26	31	17	1
P	2018GQ0005853	1	26	34	16	1
P	2018GQ0005858	1	26	20	18	1
P	2018GQ0005931	1	26	52	11	1
P	2018GQ0005958	1	26	35	1	2

Visualizing High Education Using ACS PUMS

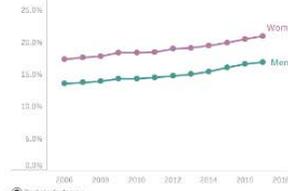
Young Adults and Higher Education What's a degree got to do with it?

This data visualization uses the American Community Survey (ACS) Public Use Microdata Sample (PUMS) to explore trends in higher education for those aged 18 to 34.

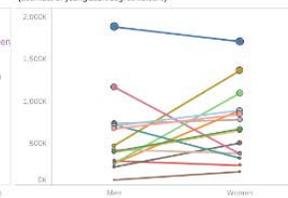
First, the visualization shows the percentage of young adults who earn a bachelor's or graduate degree and what field of degree is most common for men and women. Then, the visualization explores the salaries of those degrees — both how field of degree connects to occupation and how level of degree relates to income. Hover over each visualization to learn more.



How many young adults have a bachelor's degree? (Percentage with a bachelor's degree)



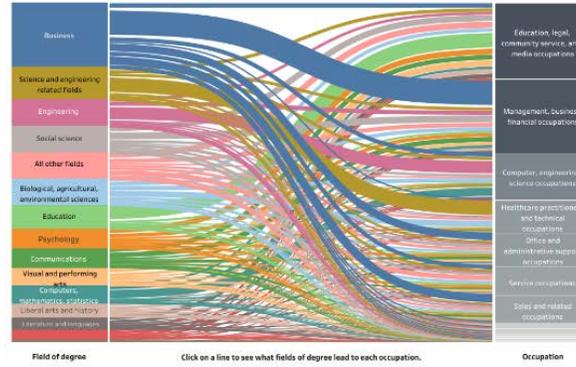
What are the most common degrees for men and women? (Estimate of young adult degree holders)



Bachelor's degree
 Graduate degree

Hover for more info

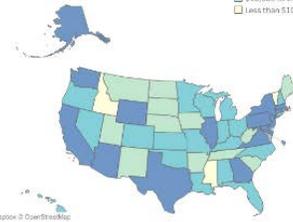
What occupations do young adults get with their degrees?



Do young adults get what they paid for?

Comparisons
 Bachelor's degree vs. high school diploma
 Graduate degree vs. bachelor's degree

Difference in median earnings
■ \$20,000 or more
■ \$15,000 to \$19,999
■ \$10,000 to \$14,999
■ less than \$10,000



United States Census Bureau
 Notes
 Source: 2006-2017 American Community Survey 1-year Public Use Microdata Sample

Webinar: Introduction to PUMS

Introduction to the American Community Survey Public Use Microdata Sample (PUMS) Files

March 11, 2020

Toll free audio access: 888-946-3820

Passcode: 5500300#

Amanda Klimek

Survey Statistician, American Community Survey Office



census.gov/data/academy/webinars/2020/introduction-to-american-community-survey-public-use-microdata-sample-pums-files.html

Considerations for ACS Data

- Demographic/Household Based Survey
- All Types of Workers
 - Employer Businesses
 - Self-Employed
 - Government
- Most tables are based on where someone lives
- 1-Year and 5-Year Estimates
- Industry Breakout Using Census Codes, not NAICS
 - https://www2.census.gov/programs-surveys/acs/tech_docs/code_lists/2017_ACS_Code_Lists.pdf?#

The American Community Survey

Continue the Conversation



Sign up for and manage alerts at
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More information online:
<https://www.census.gov/acs>



acso.users.support@census.gov



Census Customer Service Center
800-923-8282



Source Us:
*U.S. Census Bureau's [YYYY – YYYY] American
Community Survey
[1/3/5]-year [estimates/statistics/data release]*

Q & A and Thank You!

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ACSO Data User Support

acso.users.support@census.gov

For detailed questions concerning the 2020 Decennial, contact:

301-763-INFO or 800-923-8282

To schedule additional training with a Census Data Dissemination

Specialist in your area, please call **844-Ask-Data**

Or email us at: census.askdata@census.gov



Reference Materials

North American Industry Classification System (NAICS)

www.census.gov/eos/www/naics

- A hierarchical classification system that groups establishments into industries based on the business activities in which they are primarily engaged.
- A comprehensive system covering the entire field of business activities.
- Used to collect, tabulate, analyze, and disseminate statistics.
- A common language used among the United States, Canadian, and Mexican statistical agencies
- Updated every five years

NAICS Hierarchy

Level	Code	Description
Sector	51	Information
Subsector	515	Broadcasting (except Internet)
Industry Group	5151	Radio and Television Broadcasting
Industry	51511	Radio Broadcasting
U.S. Industry	515112	Radio Stations

