

# Census Data and Tools for Emergency Management: Preparedness, Response, Recovery

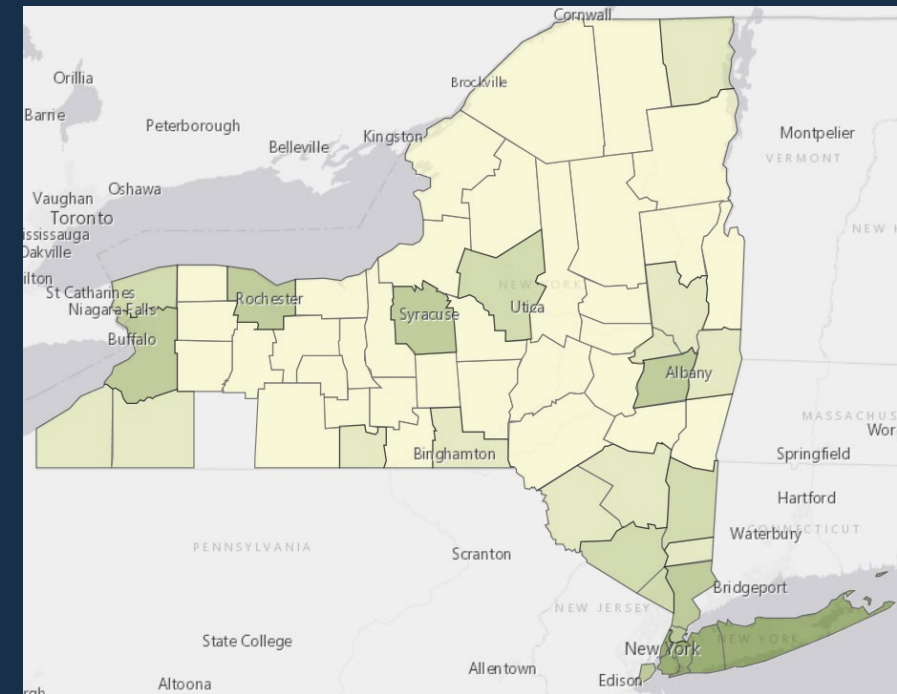
CNSTAT Conference  
October 19<sup>th</sup>, 2018

Presented by: Andrew W. Hait  
U.S. Census Bureau

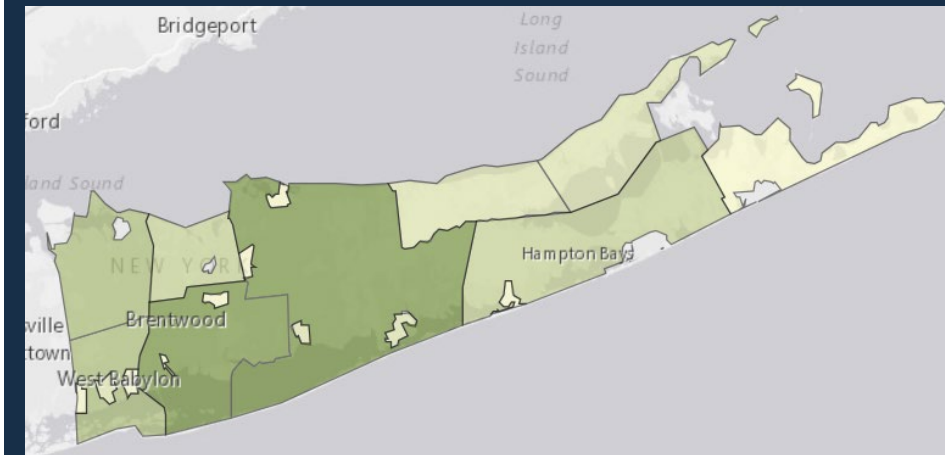


# About the Census Bureau

- The U.S. Census Bureau is the federal government's largest statistical agency.
- Our mission is to serve as the leading source of quality data about America's people, places, and economy.
- 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
  - **Other Monthly, Quarterly, and Annual Business Surveys**



Number of Convenience Stores in NY counties: 2016



Number of Convenience Stores in Suffolk county places: 2012

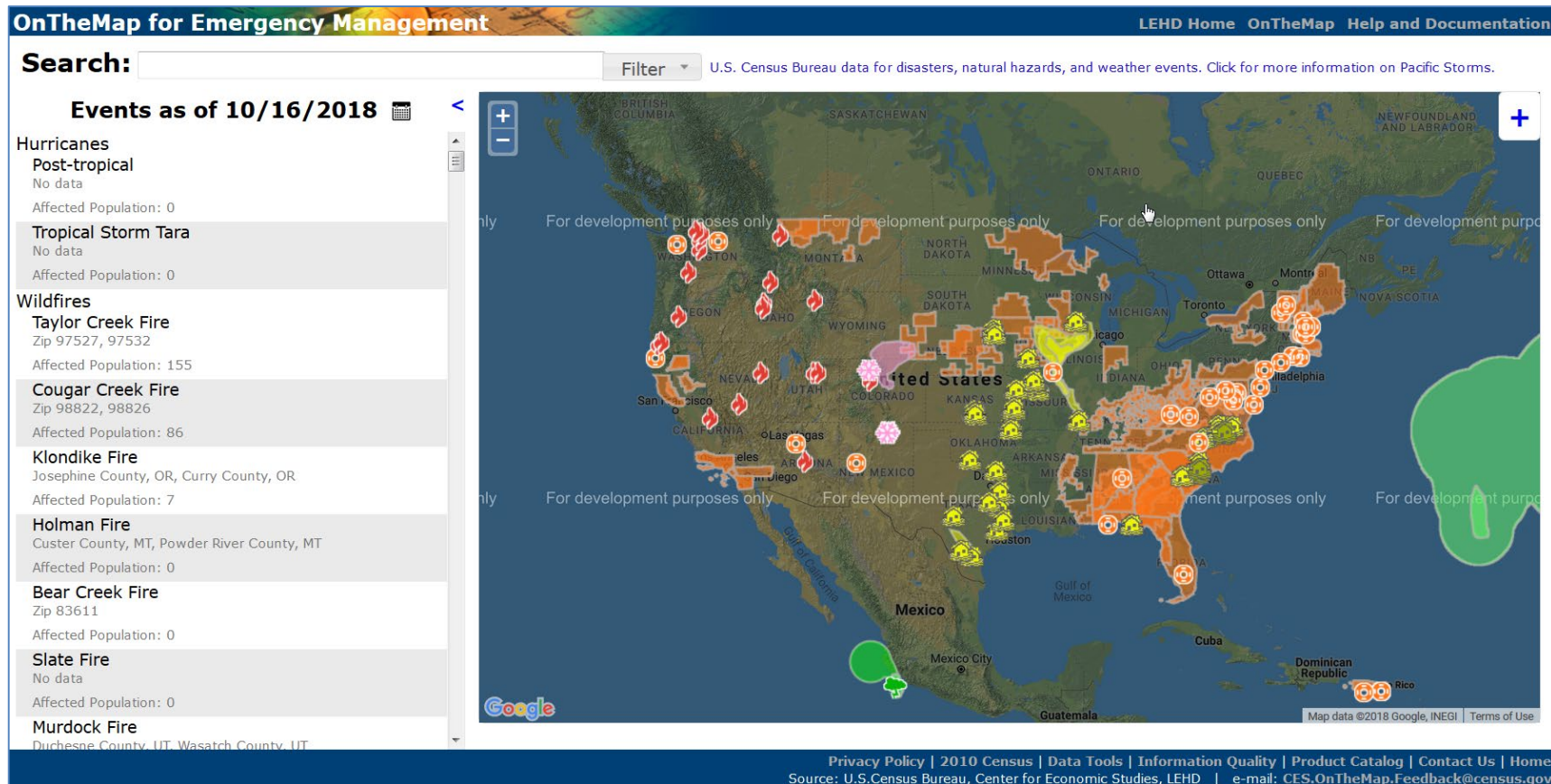
# OnTheMap for Emergency Management

Takes Feeds From:

- NOAA
  - Hurricanes, Floods, Winter Storms
- FEMA
  - Disaster Areas
- Interior Dept. and USDA
  - Wildfires

Combined with Data from Census

- Demographic (ACS & Decennial)
- Economic (Workforce)



<https://onthemap.ces.census.gov/em/?#>



## Hurricane Michael

Event Class Wind History 34kn (Cumulative Swath) Time Fri, 12 Oct 2018 08:52:15 GMT

Export

Share

Detail by:

Characteristics

Topic:

2011-2015 ACS Chara...

Analysis

Area:

Event Area

## Household Type

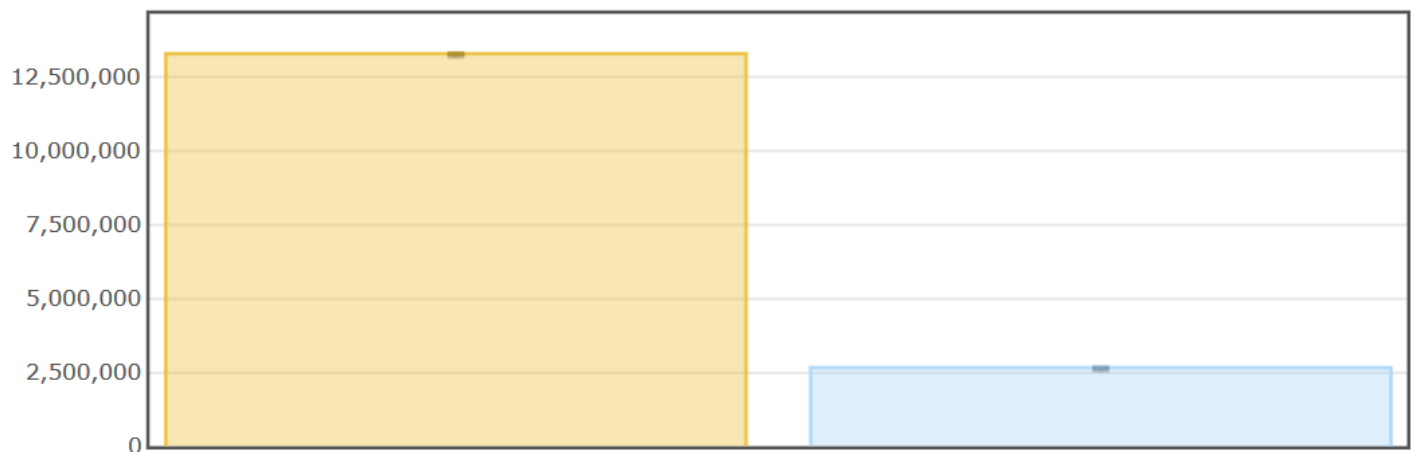
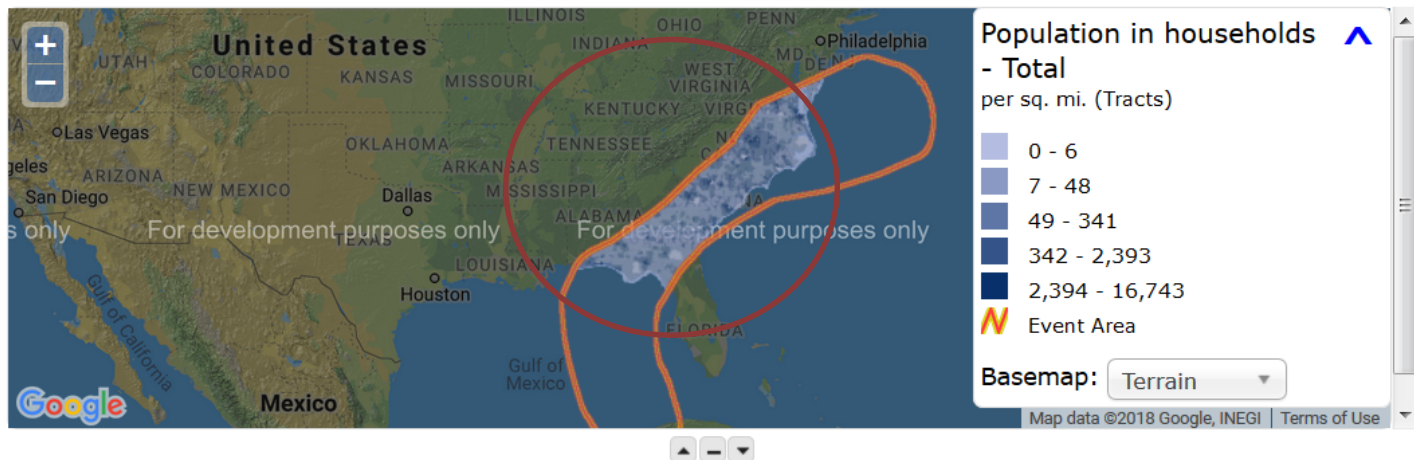
Universe: Population in households

Source: American Community Survey, 2011-2015. [Source info](#)  
[>>](#)

Characteristic	Estimate	Margin of Error
<b>Total</b>	<b>15,938,486</b>	<b>±12,295</b>
In family households	13,279,419	±16,825
In nonfamily households	2,659,067	±12,645

- ▶ Race
- ▶ Hispanic or Latino Origin
- ▶ Ability to Speak English by Age
- ▶ Ability to Speak English by Language Spoken at Home
- ▶ Disability Status by Poverty Status
- ▶ Disability Status by Age

All tabulations contain *derived estimates and margins of error*.  
 2 - The data in some cells in this tabulation are not published in order to protect *confidentiality*.



Detail by:

- Characteristics
- Geography
- Origination / Destination

Can perform analysis on entire event area, or by state, county, place

Besides displayed characteristics:

- Poverty, Earnings, and Income
- Pop 65+
- Housing info
  - Year Built
  - Value
  - Heating Fuel
- # Vehicles

## Hurricane Michael Stats:

- **15.9 million** – Population in Family Households in potentially impacted areas
  - 5.4 million in NC, 3.2 million in SC, 3.1 million in VA, 2.7 million in GA, 1.7 million in FL, 0.4 million in AL
- **2.7 million** – Population in Non-Family Households
- **2.3 million** – Population 65 Years and Older
  - 622,408 – Living Alone
- **2.8 million** – Population with Income in the past 12 months below the poverty level
- **116,671** – Households with Public Assistance Income
- **336,463** – Households with Supplemental Security Income (SSI)
- **2.0 million** – Households with Social Security Income
- **1.1 million** – Mobile Homes
- **435,491** – Housing units with no vehicles available

## Define your region

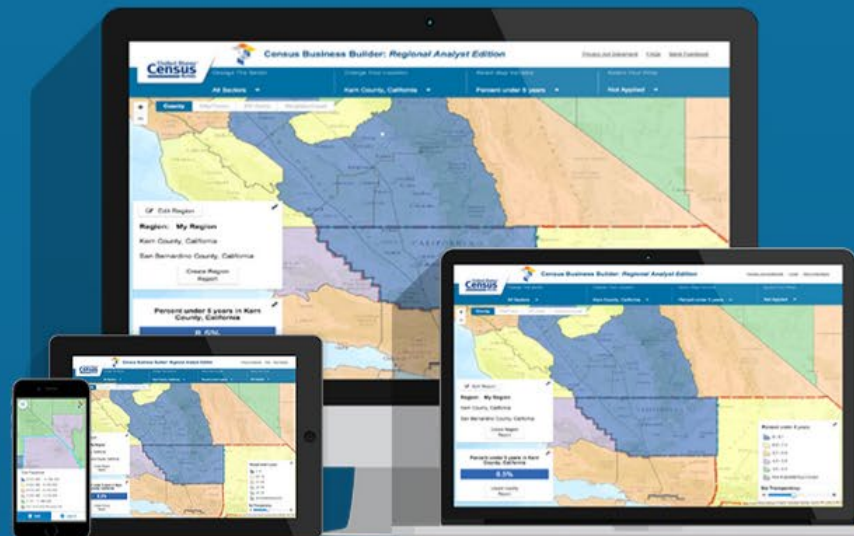
What is the primary state, county, city/town, or ZIP Code in your region?

Select the primary state, county, city/town, or ZIP Code in your region by either clicking on the My Location button or by searching for it.

My Location

or

Q State, County, City/Town, or ZIP Code

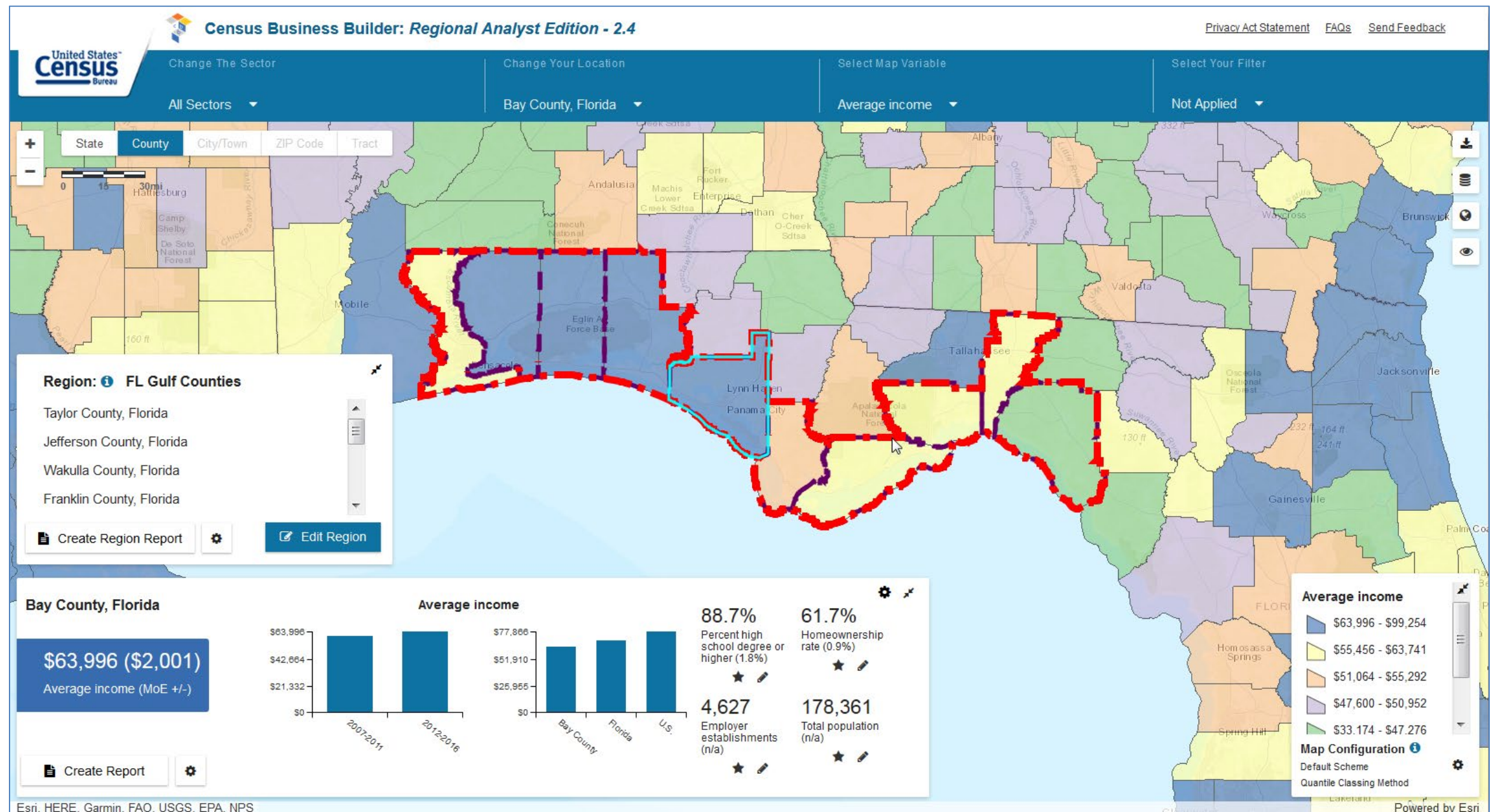


Powered by the U.S. Census Bureau and Esri. For help using this tool (including tutorial flyers and FAQs), see the [CBB Home Page](#)

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Release: 2.4 (Build: 7)





LOCAL BUSINESS PROFILE

All Sectors - FL Gulf Counties

☐ Display MOEs
 ☐ Summary Report
 ☒ Detailed Report
 ☐ Configure Contents

CONTENT

#1: Contents

#2: Consumers/Residents

#3: Business Summary

#4: Business Comparison

#5: Consumer Spending

#6: About Data

Contents

**What will I find in this report?**

**My Customers**

The My Customers section provides summarized demographic information for **FL Gulf Counties**. This information provides a snapshot of the makeup of the community of potential customers in the area.

**Businesses Like Mine**

The Businesses Like Mine section provides summarized information about **All Sectors** businesses in **FL Gulf Counties**. This information provides insight into the volume, finance, and diversity of ownership of the businesses in the area.

**Consumer Spending**

The Consumer Spending section provides a high-level overview of the spending patterns of consumers in **FL Gulf Counties**.

**FL Gulf Counties** is comprised of:

- Escambia County, Florida
- Okaloosa County, Florida
- Walton County, Florida
- Santa Rosa County, Florida
- Bay County, Florida
- Gulf County, Florida
- Wakulla County, Florida
- Taylor County, Florida
- Franklin County, Florida
- Jefferson County, Florida

Business Comparison

Includes key statistics for businesses with 1 or more paid employees (Employers) from the 2016 County Business Patterns and ZIP Code Business Patterns, the 2016 Nonemployer Statistics program, and the 2012 Economic Census. (These variables are related to the Industry selected.)

NAICS Sector	Employer establishments	Total employment of employers	Total annual payroll of employers (\$1,000)	Total revenue of employers (\$1,000)	Nonemployer firms	Revenue of nonemployer (\$1,000)
00: All Sectors	23,177	285,107	\$10,633,946	n/a	77,061	\$3,595,312
72: Accommodation and Food Services	2,168	48,071	\$888,457	\$2,334,098	1,346	\$167,455
56: Administrative and Support and Waste Management and Remediation Services	1,267	14,301	\$484,500	\$2,057,230	9,664	\$217,324
11: Agriculture, Forestry, Fishing, and Hunting	n/a	n/a	n/a	n/a	n/a	n/a
71: Arts, Entertainment, and Recreation	345	3,900	\$78,787	\$164,083	3,834	\$98,126
23: Construction	2,521	17,697	\$742,963	n/a	8,548	\$592,049
61: Educational Services	234	6,011	\$122,493	\$62,172	1,667	\$23,003

Consumers/Residents

Includes information on total population and population by age, race, and ethnicity from the 2007-2011 and the 2012-2016 American Community Survey 5-Year Estimates

Demographic Characteristics

Name	Estimate		
Total population	1,004,698		
Percent under 5 years	6.1%		
Percent under 18 years	21.3%		
Percent 18 years and over	78.7%		
Percent 21 years and over	74.6%		
Percent 65 years and over	15.7%		
Percent White	77.74%		
Percent Black or African American	13.65%		
Percent American Indian and Alaska Native	0.55%		
Percent Asian	2.32%		
Percent Native Hawaiian and Other Pacific Islander	0.11%		
Percent some other race	1.65%		
Percent two or more races	4.02%		
Percent Hispanic (of any race)	5.88%		

Percent 65 years and over

Percent 65 years and over

[https://cbb.census.gov/rae/#industry0=00&geoType=state&dynGeo\\_county=12033%2C12113%2C12091%2C12131%2C12005%2C12045%2C12037%2C12129%2C12065%2C12123&dynHeader=FL%20Gulf%20Counties&view=regionreport&reportType=detailed](https://cbb.census.gov/rae/#industry0=00&geoType=state&dynGeo_county=12033%2C12113%2C12091%2C12131%2C12005%2C12045%2C12037%2C12129%2C12065%2C12123&dynHeader=FL%20Gulf%20Counties&view=regionreport&reportType=detailed)

U.S. Department of Commerce

Economics and Statistics Administration

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# Thank You!

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