New Statistical Services

Brian C. Moyer, Director

June 4, 2019

The Challenge

Data users demand more timely and in-depth information to guide their economic decisions and expect better ways to extract, analyze, and visualize the data.

#1. Better Targeting: Satellite Accounts

- Supplemental data products that are outside, but still connected to, the main set of economic accounts
- Main advantages:
  - Call out specific topics that are of keen interest to data users
  - Ability to launch prototype measures without disrupting "core" accounts
  - Do not require "perfection," so statistical agencies can develop and release new datasets more quickly
  - Development process includes built-in feedback mechanisms and opportunities for multiple rounds of improvements

Outdoor Recreation Satellite Account

Source: Bureau of Economic Analysis

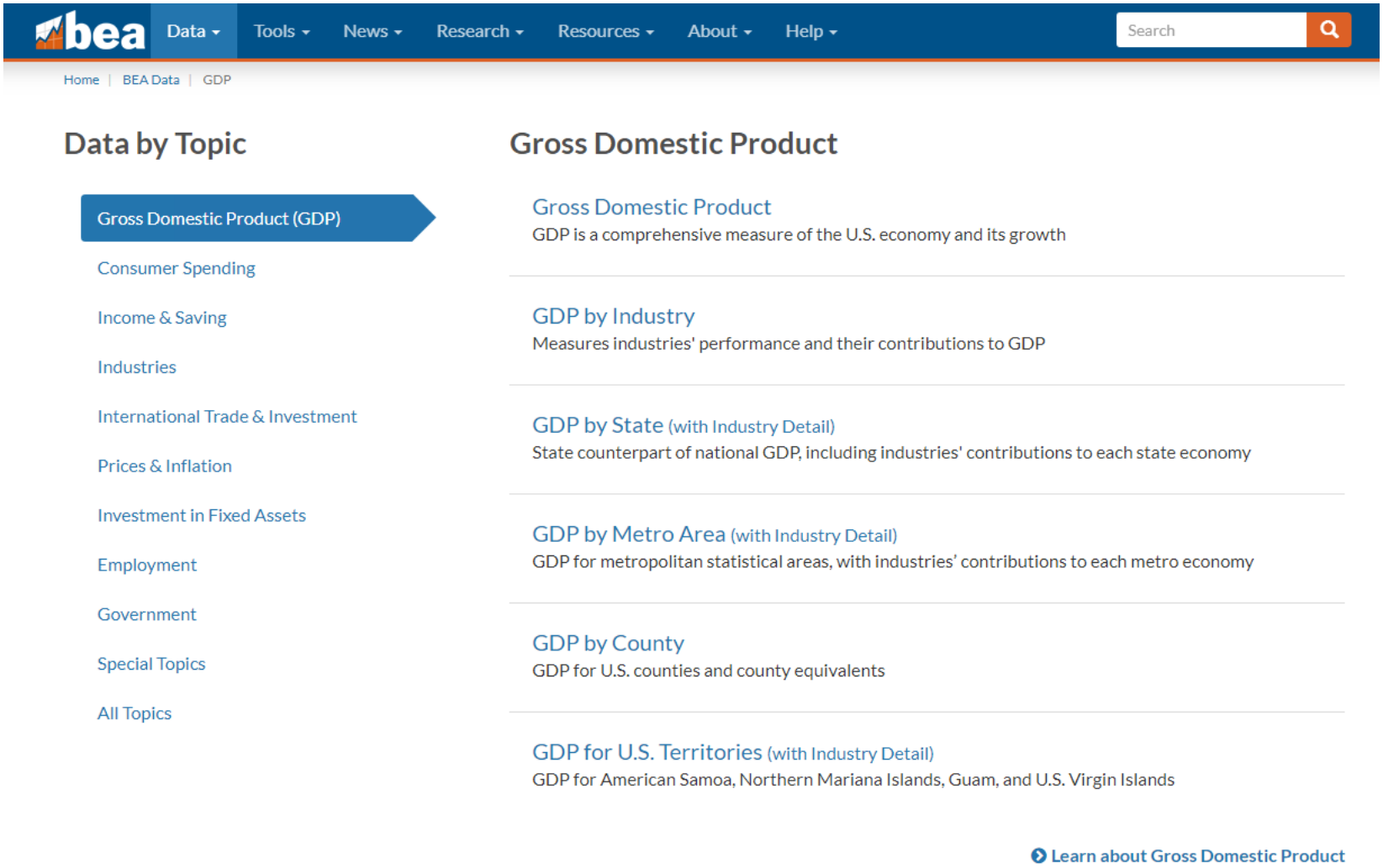
Arts & Culture Satellite Account

Source: Bureau of Economic Analysis

#2. Better Communicating

- A hidden statistic is a useless statistic—statistical agencies must leverage a variety of mechanisms to market their products to diverse customer bases, ensuring that the public understands their data offerings and knows how to use them.
- Tools:
  - Topic-driven Web site
  - “One-pagers”
  - FAQs
  - Social media and blogs
  - Data visualization

Topic-Driven Web sites



“One-Pager” Quick Guides

5/22/2019 New EIA product expands access to state and regional energy information - Today in Energy - U.S. Energy Information Administration (EIA)

eia U.S. Energy Information Administration

Today in Energy

May 16, 2019

New EIA product expands access to state and regional energy information

Total energy production and consumption by state, 2016

trillion British thermal units (tBtu)

Source: U.S. Energy Information Administration, State Energy Portal (Beta)

EIA's new State Energy Portal provides greater access to more state-level U.S. energy data with more than 150 charts, tables, and maps. Infographics show the overall energy context for the states; states. Users can download charts and embed them in their websites. EIA developed this tool in variety of customers who use its state-level data. EIA released the new portal as a Beta product

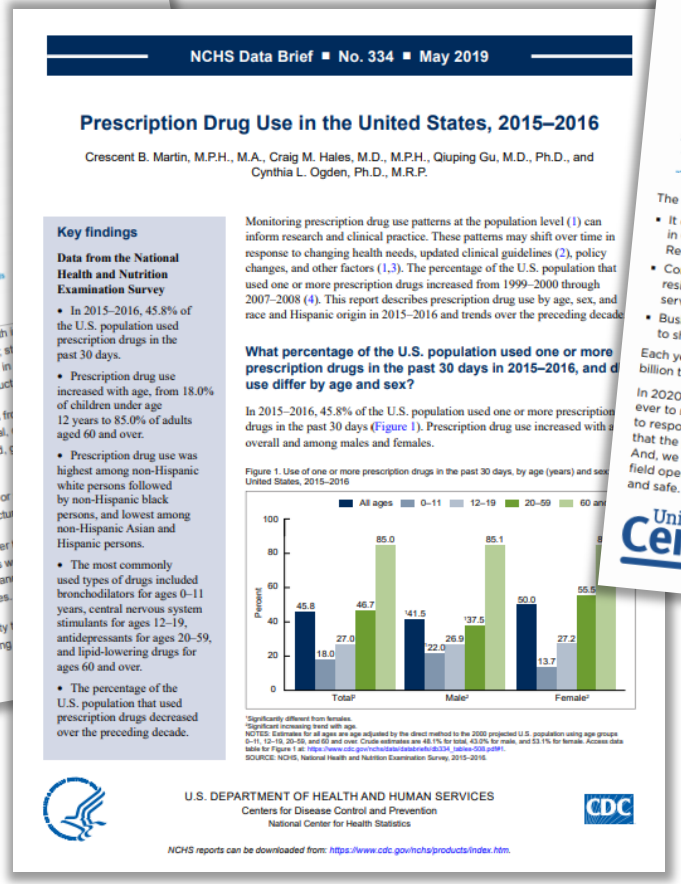
EIA's new portal gives users access to more than 1,700 state- and regional-level data series fr sources outside of EIA. While visualizing data for a state, users can add other state, regional, Much of the data in the charts and tables can also be filtered by data frequency, time period, sector.

Users can either build personalized, interactive data dashboards that retain their settings or energy sources, activities, or special topics such as energy storage and energy infrastructu

EIA also offers expanded download and export options in the new portal to make it easier presentations, and reports. Data downloads are available in CSV and JSON formats as w extends EIA's add-ins to Microsoft Excel and Google Sheets. Static versions of charts an PNG image files. Dynamic versions of charts are available to embed on users' websites.

EIA's beta release of the State Energy Portal provides state data users the opportunity email feedback to EIA. EIA's existing State Energy Profiles will remain available during maps, and rankings from the existing State Energy Profiles into the new portal.

Principal contributors: Stacy Angel, Pauline George


NCHS Data Brief ■ No. 334 ■ May 2019

Prescription Drug Use in the United States, 2015–2016

Crescent B. Martin, M.P.H., M.A., Craig M. Hales, M.D., M.P.H., Qiuping Gu, M.D., Ph.D., and Cynthia L. Ogden, Ph.D., M.R.P.

Key findings

Data from the National Health and Nutrition Examination Survey

- In 2015–2016, 45.8% of the U.S. population used prescription drugs in the past 30 days.
- Prescription drug use increased with age, from 18.0% of children under age 12 years to 85.0% of adults aged 60 and over.
- Prescription drug use was highest among non-Hispanic white persons followed by non-Hispanic black persons, and lowest among non-Hispanic Asian and Hispanic persons.
- The most commonly used types of drugs included bronchodilators for ages 0–11 years, central nervous system stimulants for ages 12–19, antidepressants for ages 20–59, and lipid-lowering drugs for ages 60 and over.
- The percentage of the U.S. population that used prescription drugs decreased over the preceding decade.

Monitoring prescription drug use patterns at the population level (1) can inform research and clinical practice. These patterns may shift over time in response to changing health needs, updated clinical guidelines (2), policy changes, and other factors (1,3). The percentage of the U.S. population that used one or more prescription drugs increased from 1999–2000 through 2007–2008 (4). This report describes prescription drug use by age, sex, and race and Hispanic origin in 2015–2016 and trends over the preceding decade.

What percentage of the U.S. population used one or more prescription drugs in the past 30 days in 2015–2016, and d use differ by age and sex?

In 2015–2016, 45.8% of the U.S. population used one or more prescription drugs in the past 30 days (Figure 1). Prescription drug use increased with a overall and among males and females.

Figure 1. Use of one or more prescription drugs in the past 30 days, by age (years) and sex United States, 2015–2016

All ages 0–11 12–19 20–59 60 an

Percent

100 80 60 40 20 0

45.8 18.0 27.0 46.7 85.0

41.5 22.0 26.9 37.5 85.1

50.0 13.7 27.2 55.5

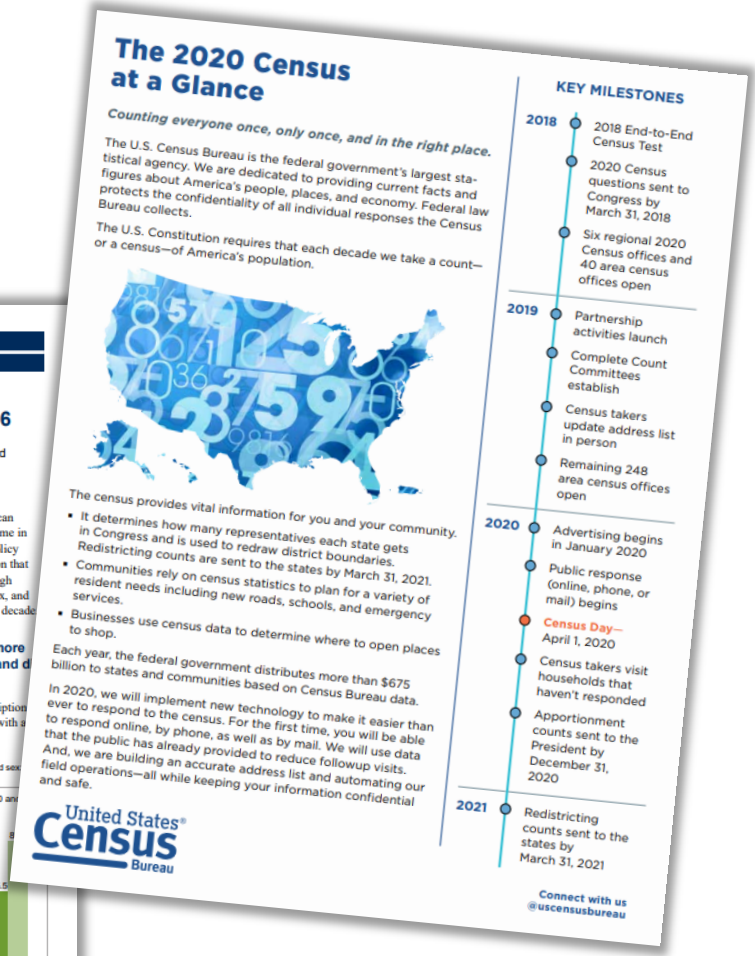
Total² Male² Female²

¹Significantly different from females.
²Significant increasing trend with age.
NOTES: Estimates for all ages are age adjusted by the direct method to the 2000 projected U.S. population using age groups 0–11, 12–19, 20–59, and 60 and over. Crude estimates are 48.1% for total, 43.0% for male, and 53.1% for female. Access data table for Figure 1 at: https://www.cdc.gov/nchs/data/databriefs/db334_tables-508.pdf#1.
SOURCE: NCHS, National Health and Nutrition Examination Survey, 2015–2016.

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Centers for Disease Control and Prevention
National Center for Health Statistics

CDC

NCHS reports can be downloaded from: https://www.cdc.gov/nchs/products/index.htm.


The 2020 Census at a Glance

Counting everyone once, only once, and in the right place.

The U.S. Census Bureau is the federal government's largest statistical agency. We are dedicated to providing current facts and figures about America's people, places, and economy. Federal law protects the confidentiality of all individual responses the Census Bureau collects.

The U.S. Constitution requires that each decade we take a count—or a census—of America's population.

The census provides vital information for you and your community.

- It determines how many representatives each state gets in Congress and is used to redraw district boundaries. Redistricting counts are sent to the states by March 31, 2021.
- Communities rely on census statistics to plan for a variety of resident needs including new roads, schools, and emergency services.
- Businesses use census data to determine where to open places to shop.

Each year, the federal government distributes more than $675 billion to states and communities based on Census Bureau data.

In 2020, we will implement new technology to make it easier than ever to respond to the census. For the first time, you will be able to respond online, by phone, as well as by mail. We will use data that the public has already provided to reduce followup visits. And, we are building an accurate address list and automating our field operations—all while keeping your information confidential and safe.

United States Census Bureau

KEY MILESTONES

2018
- 2018 End-to-End Census Test
- 2020 Census questions sent to Congress by March 31, 2018
- Six regional 2020 Census offices and 40 area census offices open

2019
- Partnership activities launch
- Complete Count Committees establish
- Census takers update address list in person
- Remaining 248 area census offices open

2020
- Advertising begins in January 2020
- Public response (online, phone, or mail) begins
- Census Day—April 1, 2020
- Census takers visit households that haven't responded
- Apportionment counts sent to the President by December 31, 2020

2021
- Redistricting counts sent to the states by March 31, 2021

Connect with us @uscensusbureau

Frequently Asked Questions (FAQs)

bea | Bureau of Economic Analysis
U.S. DEPARTMENT OF COMMERCE

Home | Help | Frequently Asked Questions | Does BEA produce not seasonally adjusted estimates of GDP and GDI?

Does BEA produce not seasonally adjusted estimates of GDP and GDI?

Yes. In July 2018, BEA started producing not seasonally adjusted statistics (NSA) that are released at the same time as its quarterly GDP estimates each month. Not seasonally adjusted statistics can be used in conjunction with seasonally adjusted statistics and offer a new tool to evaluate the economy.

BEA publishes quarterly NSA estimates for GDP, gross domestic income, and their major components for the years 2002 and forward. NSA statistics are released concurrently with BEA's seasonally adjusted estimates of the National Income and Product Accounts (NIPAs) and can be found in Section 8 of the NIPA Interactive Data Tables and Appendix B of the monthly GDP news release.

- The NIPA table family 8.1 is a suite of tables that present dimensions of NSA GDP and its major components, including:
  - 8.1.3 Chain-type quantity indexes for Real GDP and its major components
  - 8.1.4 Chain-type price indexes for Real GDP and its major components
  - 8.1.5 GDP and its major components in billions of dollars
  - 8.1.6 Real GDP and its major components in chained 2012 dollars
  - 8.1.11 Percent change from the same quarter one year ago in Real GDP and its major components
- Table 8.2 presents gross domestic income and its major components in billions of dollars
- Tables 8.3 and 8.4 present federal and state and local government current receipts and expenditures

United States Census Bureau | Search

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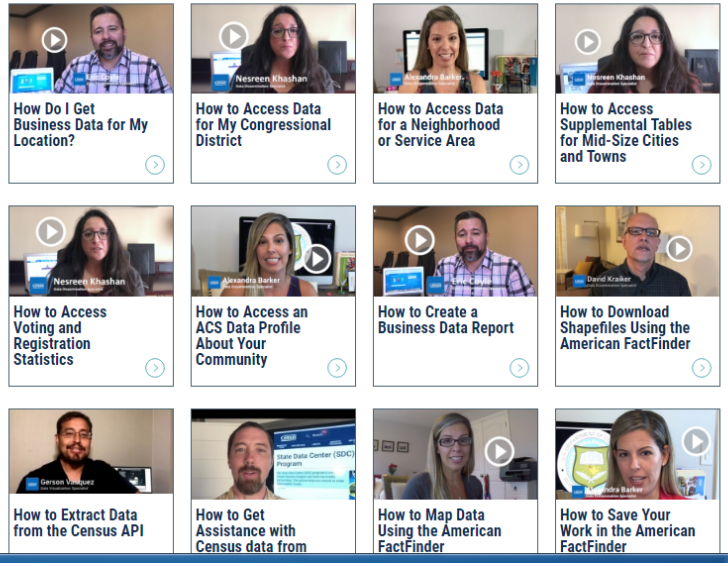
Data Gems

Our team of experts is excited to share with you their favorite tips and tricks about how to access and use Census Bureau Data.

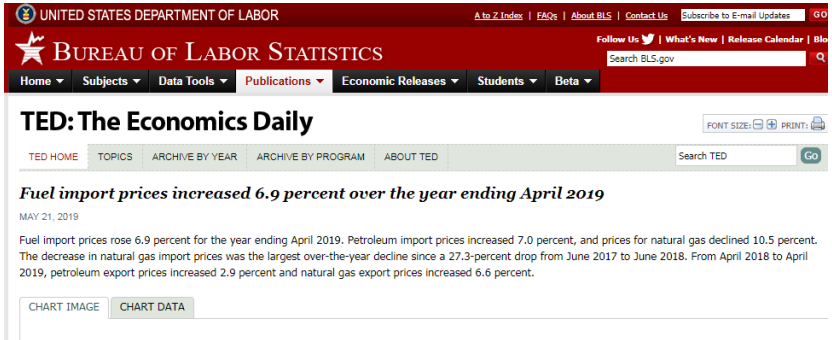
So we created the Data Gems: a series of "how-to" videos available for data users who are looking for an easy and quick way to enhance their knowledge of Census data.

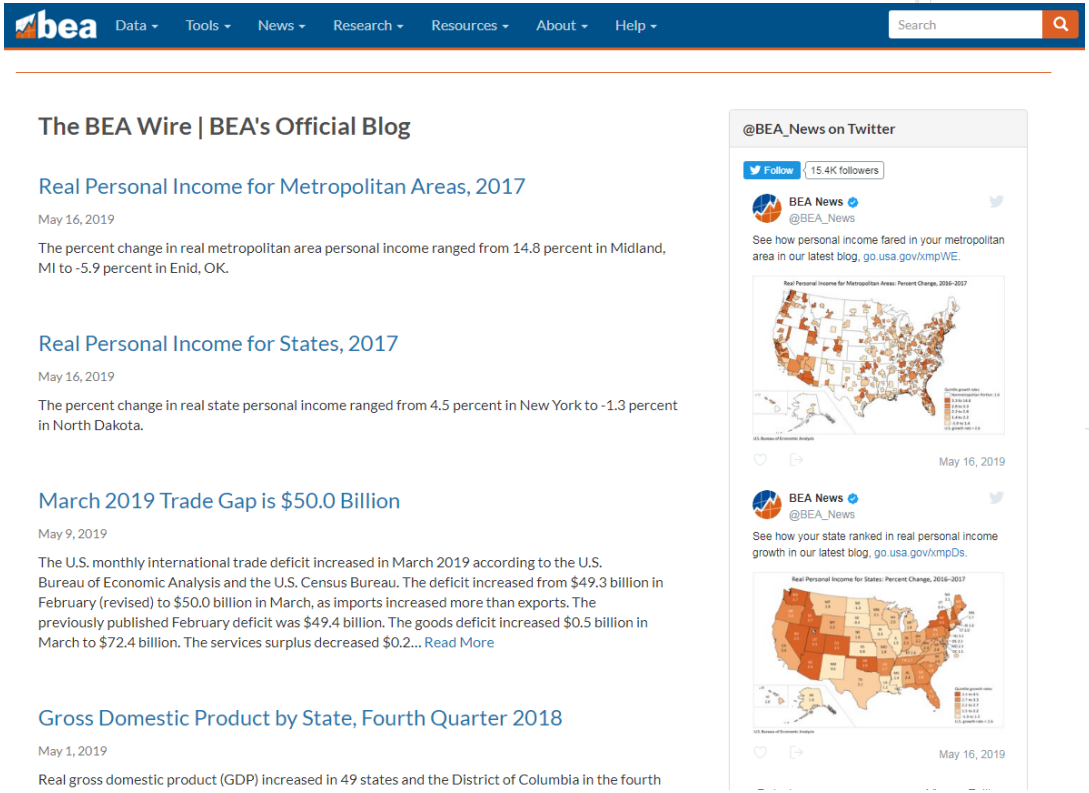
They will introduce you to various concepts and techniques to improve your ability to navigate our website and use our data-access tools.

We hope you find these Gems valuable! Drop us a line at census.academy@census.gov and let us know what you think!

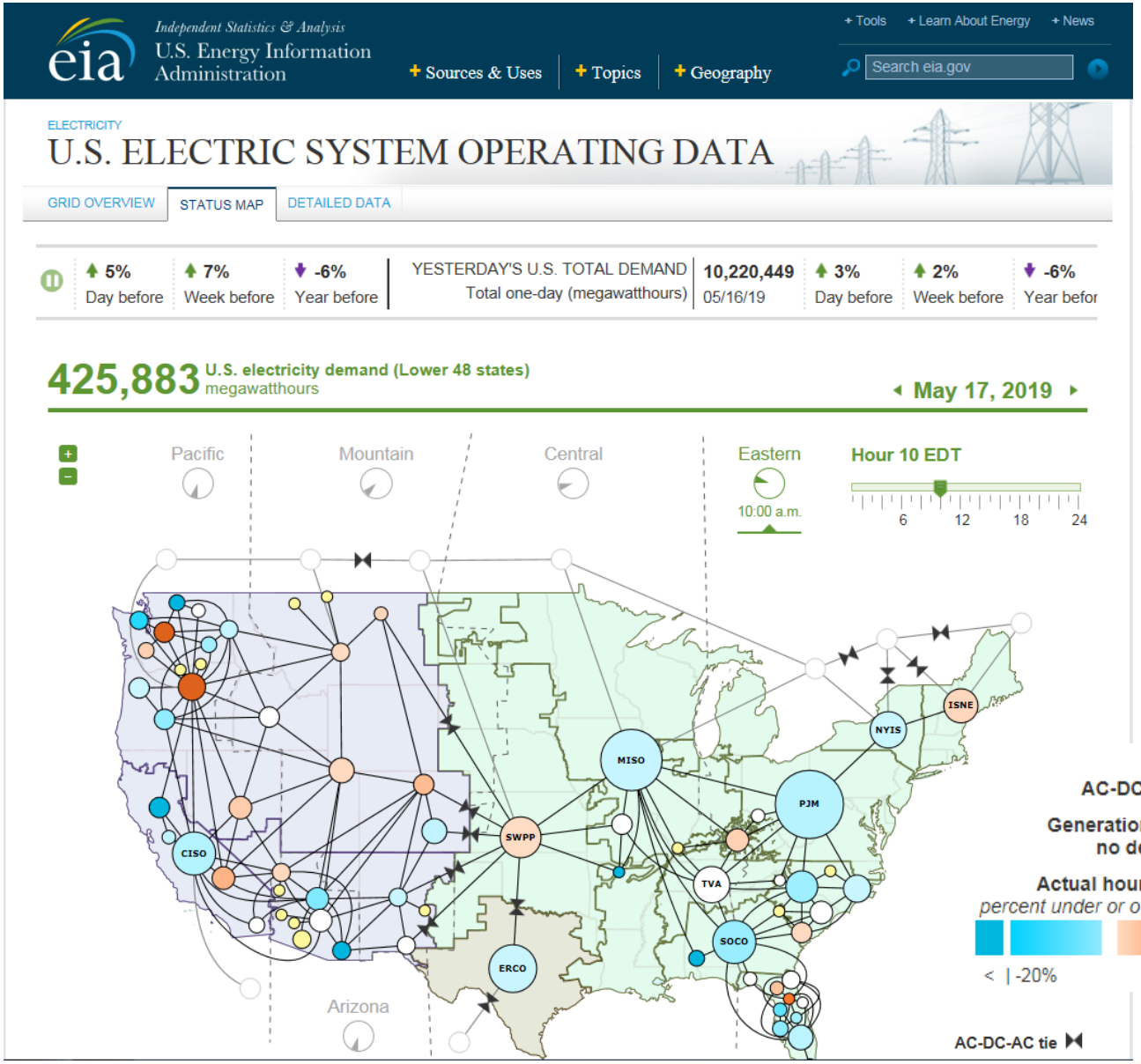


Social Media & Blogs





Data Visualization



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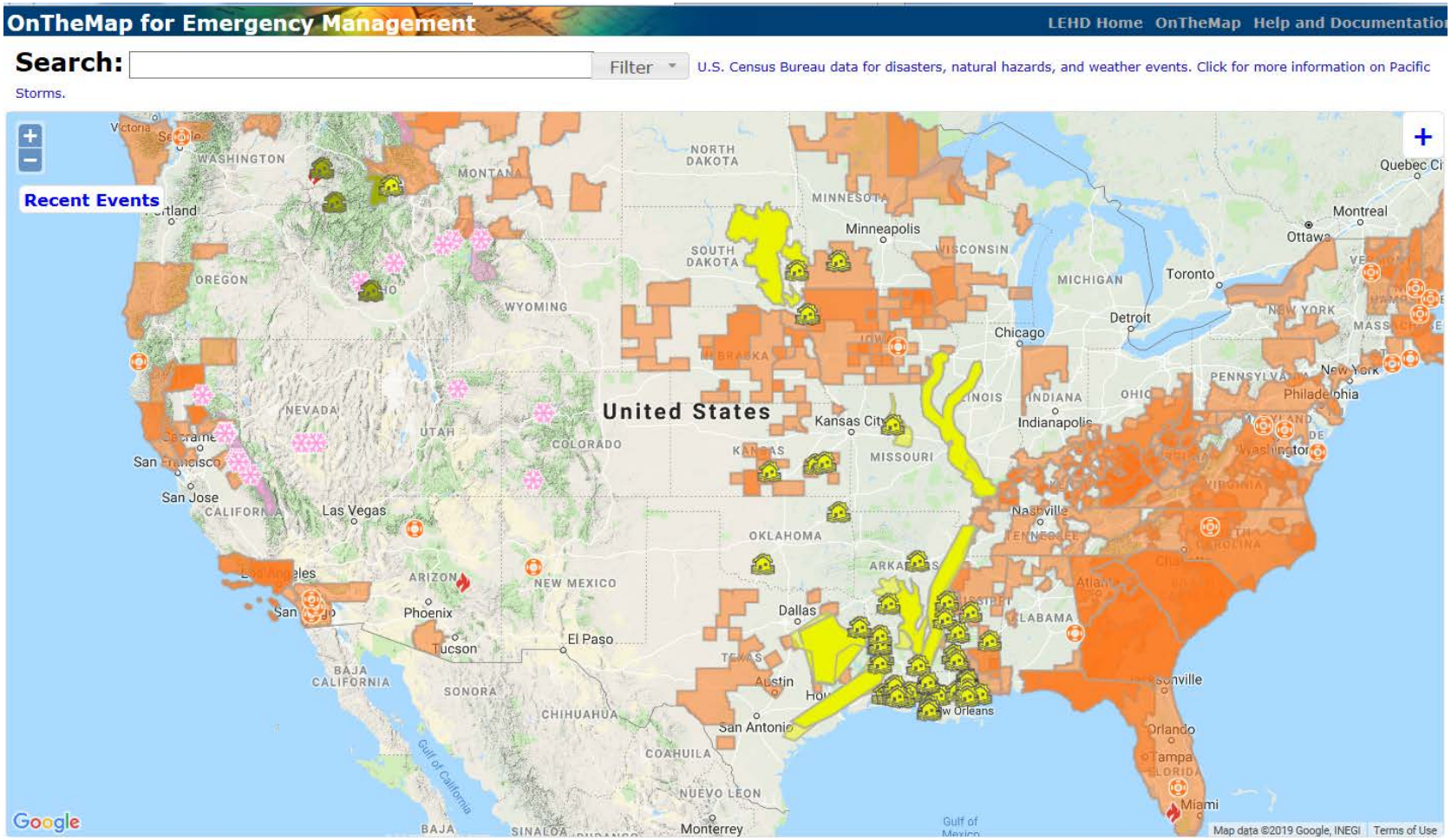
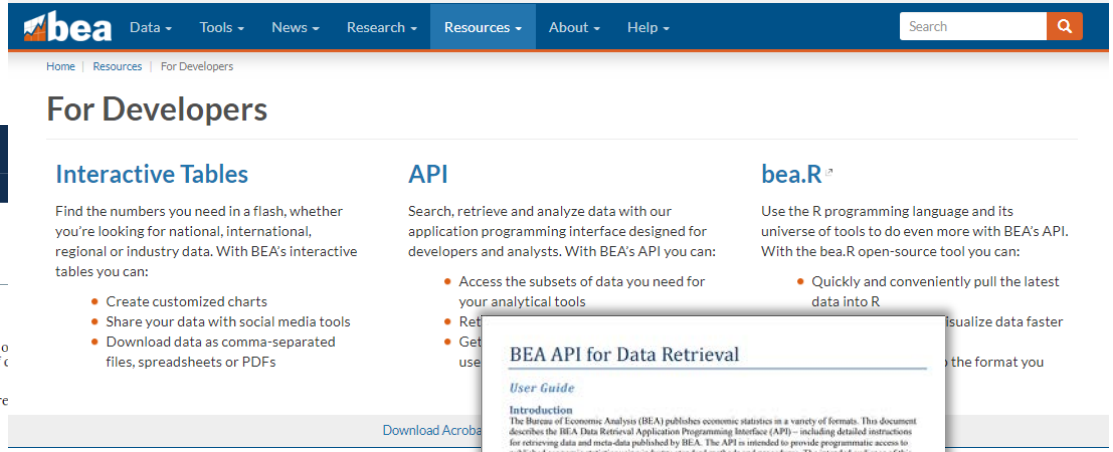


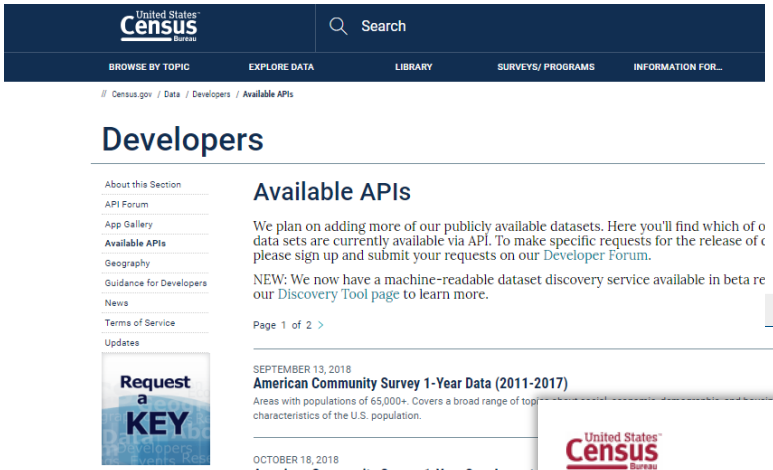
#3. Better Access

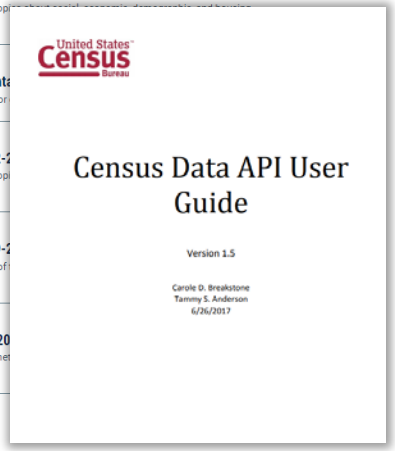
- Statistical agencies must harness the latest available technologies to push out increasing amounts of data in ways that are easily accessible and user friendly.
- Tools:
  - Cutting-edge platforms for developers and “power” users: APIs, R libraries, etc.
  - Interactive tables and charts: design-your-own products, build-your-own geographies
  - Federally Funded Research and Development Centers

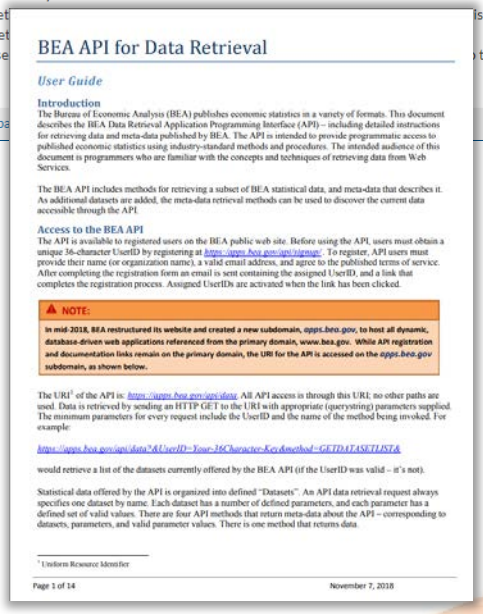
Developer Tools

- Broad availability of APIs









Interactive Data Tables & Tools

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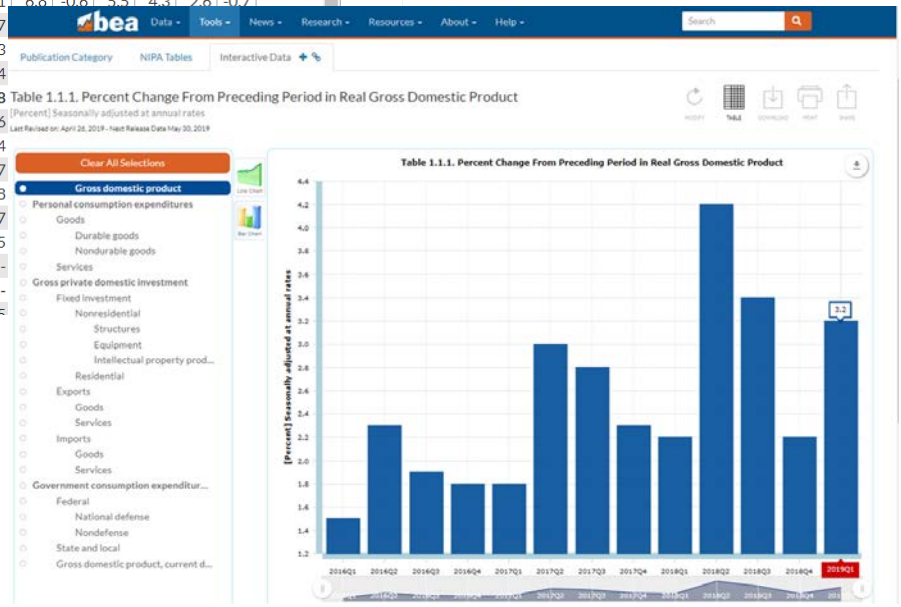
Table 1.1.1. Percent Change From Preceding Period in Real Gross Domestic Product

MODIFY CHART DOWNLOAD PRINT SHARE

[Percent] Seasonally adjusted at annual rates

Last Revised on: April 26, 2019 - Next Release Date May 30, 2019

Line		2016				2017				2018				2019
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
1	**Gross domestic product**	**1.5**	**2.3**	**1.9**	**1.8**	**1.8**	**3.0**	**2.8**	**2.3**	**2.2**	**4.2**	**3.4**	**2.2**	**3.2**
2	**Personal consumption expenditures**	**2.4**	**3.4**	**2.7**	**2.6**	**1.8**	**2.9**	**2.2**	**3.9**	**0.5**	**3.8**	**3.5**	**2.5**	**1.2**
3	Goods	3.4	4.8	3.3	2.7	1.9	5.6	4.1	6.8	-0.6	5.5	4.3	2.6	-0.7
4	Durable goods	3.2	6.6	10.4	7.1	1.9	8.7	7.7						
5	Nondurable goods	3.5	3.9	-0.1	0.6	1.9	4.0	2.3						
6	Services	2.0	2.8	2.4	2.5	1.7	1.7	1.4						
7	**Gross private domestic investment**	**-1.8**	**-1.0**	**-0.4**	**8.1**	**4.9**	**5.7**	**8.8**						
8	Fixed investment	1.9	2.8	3.2	1.7	9.9	4.3	2.6						
9	Nonresidential	-1.2	3.8	4.6	0.0	9.6	7.3	3.4						
10	Structures	-4.0	3.3	12.6	-1.2	12.8	3.8	-5.7						
11	Equipment	-6.4	0.1	0.1	0.9	9.1	9.7	9.8						
12	Intellectual property products	8.7	9.6	5.5	-0.4	8.0	6.6	1.7						
13	Residential	13.7	-1.0	-1.7	7.7	11.1	-5.5	-0.5						
14	Change in private inventories	---	---	---	---	---	---	---						
15	**Net exports of goods and services**	---	---	---	---	---	---	---						
16	Exports	2.4	3.4	6.1	3.6	5.0	3.6	3.5						



Federally Funded Research and Development Centers (FFRDCs)

- Partnership between federal statistical agencies and leading research institutions
- Secure facilities providing authorized access to restricted-use microdata for statistical purposes only
  - 29 locations across the U.S. (previously only available at statistical agency headquarters)
  - Access to computing capacity to handle large datasets and complex calculations
  - Opportunity for collaboration with other FFRDC researchers across the U.S. through the secure RDC computing environment
- Researchers must meet certain security criteria to participate
- Fee based to defray cost to agencies to participate

Key Take-Aways

- Better Target: Spotlight key areas of stakeholder interest
- Better Communicate: Better educate customers about what information statistical agencies offer and how to find it
- Better Access: Make it easier for data users to explore, download, and merge large government datasets

New Statistical Services

Brian C. Moyer, Director

June 3, 2019