



Some effects of COVID-19 on the nation's federal statistics

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National Center for Science and Engineering Statistics (NCSES)

Social, Behavioral and Economic Sciences

National Science Foundation

COVID-19 Impact on the nation's federal statistics

Today's Discussion

- Medium impact on NCSES operations
- Overall impact on ongoing national-level survey operations
- Opportunities to inform the COVID-19 impact



NSF's federal statistical agency

- Mission: policy-neutral policy-relevant statistical data on the U.S. science and engineering enterprise often in a global context
- Federal clearinghouse for data that provides key insights on the American economy, responsibility for data on:
 - Research and development
 - Science and engineering workforce
 - US competitiveness in science, engineering, technology, and R&D
 - Condition and progress of STEM education



COVID 19 Impact on NCSES Operations: The data we collect and analyze come from a variety of establishments and people

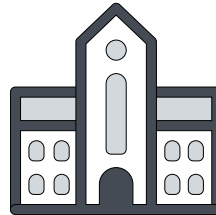
Establishments



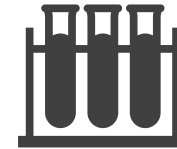
Businesses



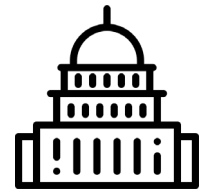
Universities



Nonprofits

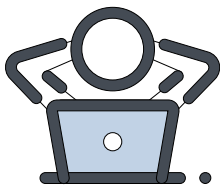


Federally funded research
& development centers



Federal & state
government

People



S&E graduate
students



S&E college
graduates



Doctorate
recipients



Early-career
doctorates

Medium Impact on NCSES operations

- Survey operations
- Scheduled data/report releases
 - Processing moved from in-person to virtual
 - Science and Engineering Indicators Thematic Report “Science and Technology: Public Attitudes, Knowledge, and Interest” (May 2020)
 - Science and Engineering Indicators 2022 (*Indicators 2022*)

Overall impact on ongoing national-level survey operations

Reduced response rates

- Physical location of businesses and institutions closed
- Closure of call centers
- Alternative data sources and modeling being considered to supplement traditional methods


2020 Census

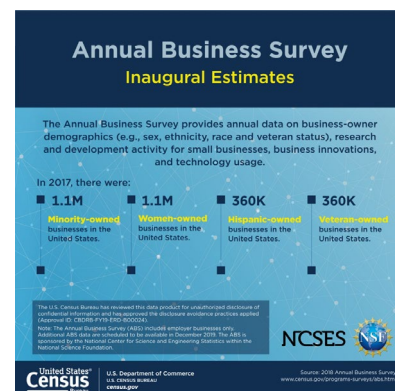
- Extended window for field collection
- Delay of data delivery by 4 months



Opportunities to inform the COVID-19 impact

NCSES adding questions to the:

- Survey of Earned Doctorates (SED) 
 - Impact of COVID-19 on degree completion, employment opportunities, and postgraduation decisions and plans
- Annual Business Survey
 - Financial impact of COVID-19



Opportunities to inform the COVID-19 impact

U.S. Census Bureau

- Quick-turn around data collection related to COVID-19
- Interactive Data Hub to help with pandemic-related decision-making

United States Census Bureau US Census Bureau COVID-19 Site

COVID - 19 Demographic and Economic Resources

United States Census Bureau

Release version: 1.0. Release date: 04/23/2020. Site periodically updated, check back soon.
[Sign up here](#) to stay connected.

US Demographic and Economic Data At A Glance

Population Aged 65 Years and Older	Total Uninsured Population	Total Employer Establishments
49,238,581	29,752,767	7,912,745
American Community Survey (ACS) 2014-2018	American Community Survey (ACS) 2014-2018	County Business Patterns (CBP) 2017

United States Census Bureau Census COVID-19 Impact Report

Select State: Select County:

Opportunities to inform the COVID-19 impact

An international effort

- OECD international survey of scientific authors
- **NEW - OECD Science Barometer 2020:** Share your experience and views of how science and research has changed on account of the COVID-19 crisis





National Center for Science and Engineering Statistics <https://www.ncses.nsf.gov/>