



Update from the National Center for Science and Engineering Statistics

Emilda B. Rivers, NCSES Director

Council of Professional Associations on Federal Statistics (COPAFS) Quarterly Meeting

June 4, 2021

National Center for Science and Engineering Statistics

Social, Behavioral and Economic Sciences

National Science Foundation

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NCSES Update

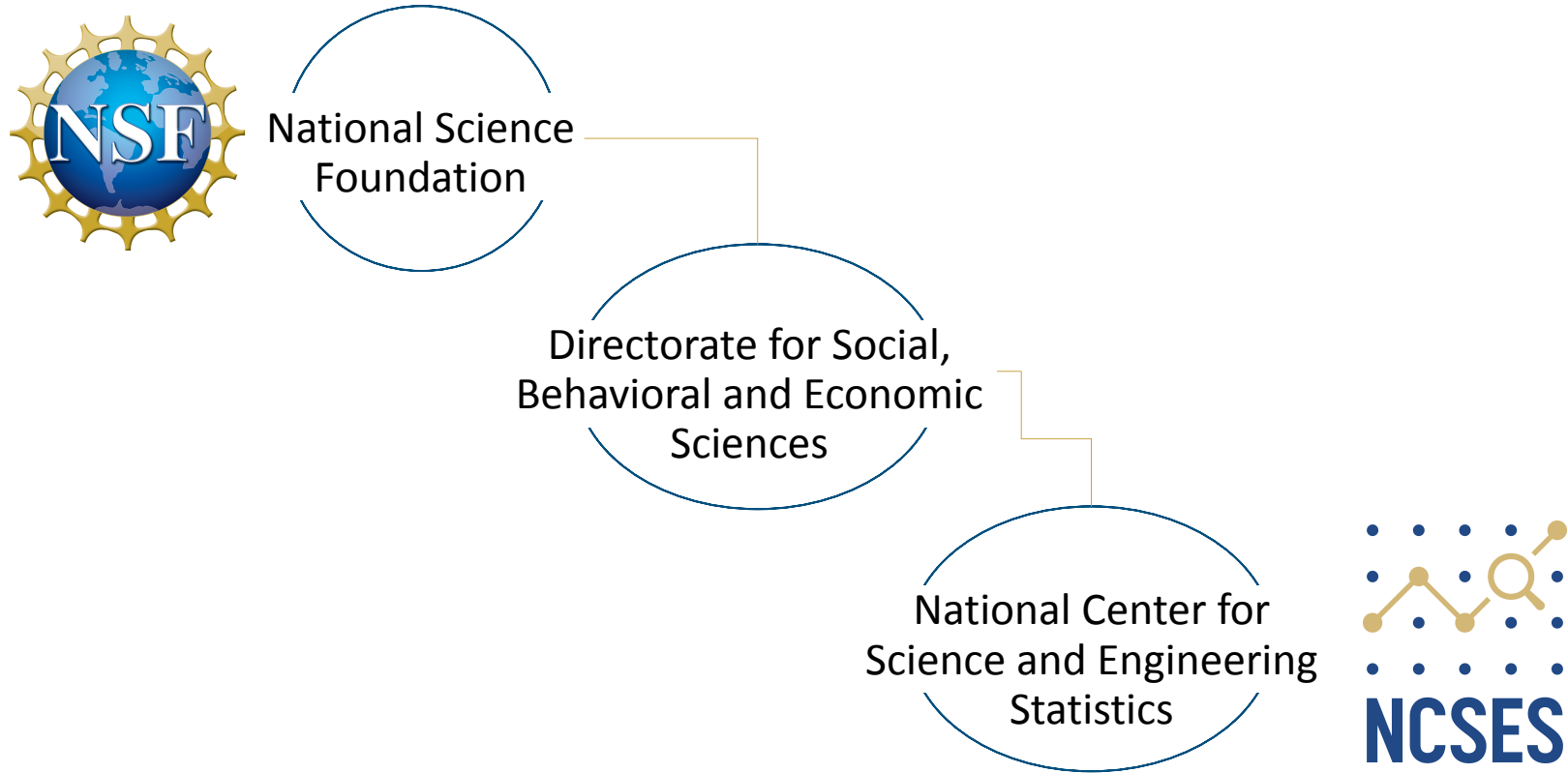
- About NCSES
- COVID-19 and Data Collection
- Innovative Programs and Initiatives
- Budget and Staffing



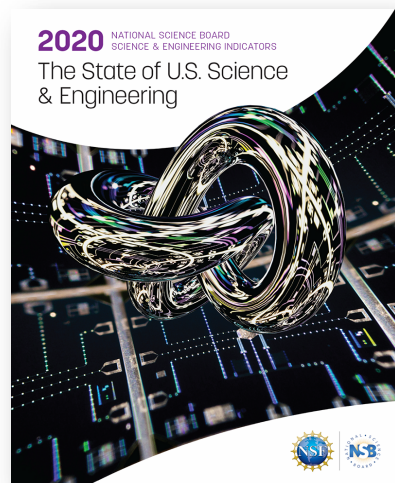
NSF's Federal Statistical Agency

- 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
 - Research and development
 - Science and engineering workforce
 - US competitiveness in science, engineering, technology, and R&D
 - Condition and progress of STEM education

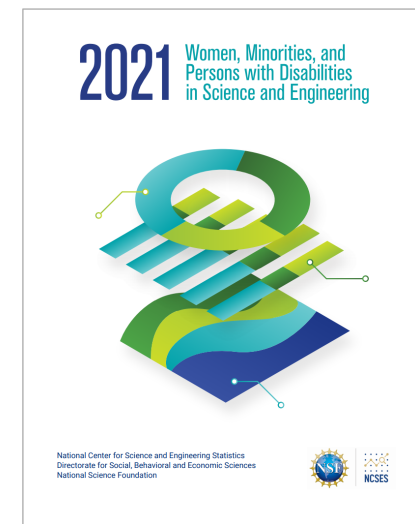
Organizational Placement of NCSES



NCSES's Policy Relevant, Policy Neutral Congressionally Mandated Reports



National Science Board's
Science and Engineering Indicators
Report



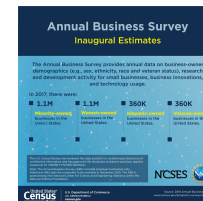
Women, Minorities, and Persons with
Disabilities in Science and Engineering
(WMPD)

COVID-19 and Data Collection

COVID-19
IMPACT

Understanding the impact of COVID-19

- Degree completion, employment opportunities, and postgraduation decisions and plans - **Survey of Earned Doctorates (SED)**
- R&D expenditures - **Higher Education Research and Development Survey (HERD) Survey**
- Financial data - **Annual Business Survey (ABS)**



NCSES's Innovative Programs & Initiatives

Responsibly Expanding Data Access

- Administrative Data Research Facility
- Federal Statistical Research Data Centers
- Secure Data Access Facility
- Standard Application Process (SAP) - Phase II implementation efforts

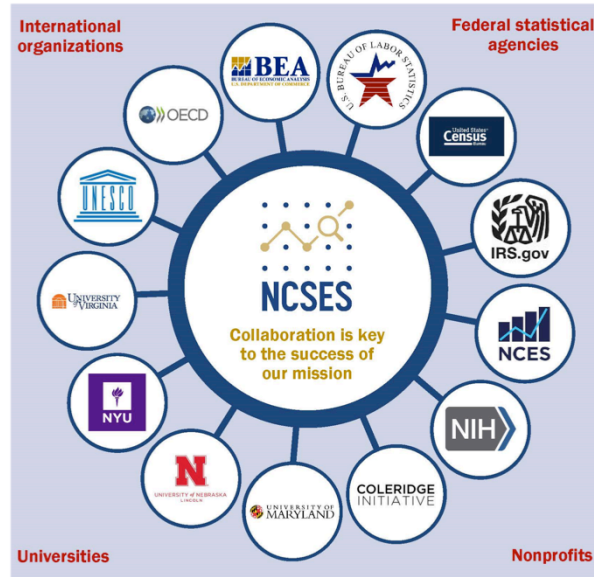


Federal Data Strategy
Leveraging Data as a Strategic Asset



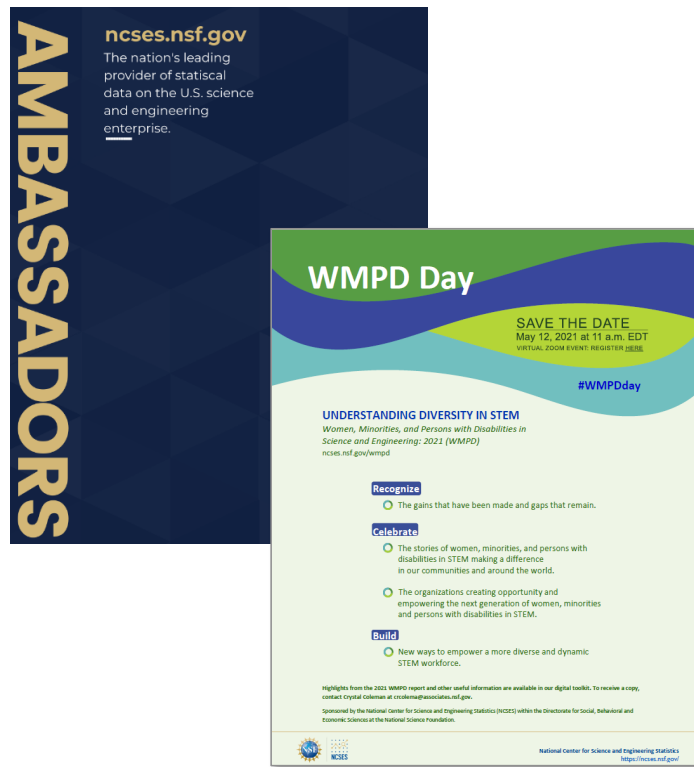
NCSES's Innovative Programs & Initiatives

Achieving our mission through partnerships



- Gaining a better understanding of supply chains (BEA)
- Improving official statistics using “big” data (UVA)
- Filling data gaps related to the skilled technical workforce (Census, NCES)

NCSES's Innovative Programs & Initiatives



On May 12, 2021

**NCSES held its inaugural WMPD Day
– *Understanding Diversity in STEM!***

Upcoming Events:

NCSES Ambassadors Café

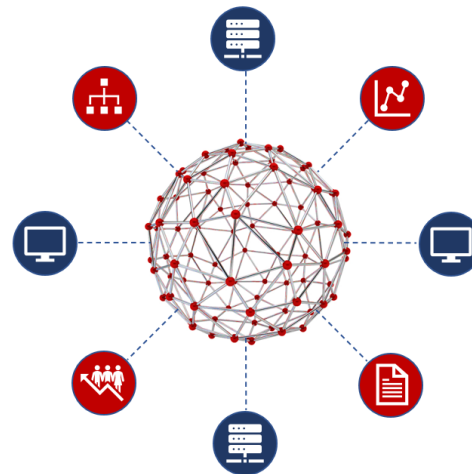
NCSES's Innovative Programs & Initiatives

Informing efforts on evidence-based decision making



America's DataHub will engage in activities related to:

- Data access and linkage
- Data security and privacy
- Research and development



Our goal for America's DataHub is to be as inclusive and innovative as possible



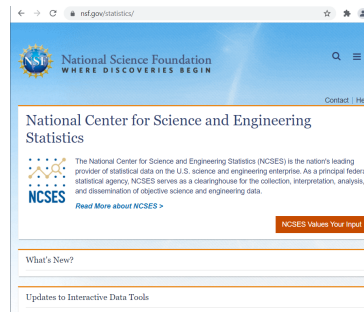
- We believe America's DataHub will coalesce different communities around complex, crosscutting, and inter-disciplinary challenges
- The successes and challenges of America's DataHub will help to inform the National Secure Data Service

NCSES's Innovative Programs & Initiatives

Expanding our digital footprint



Newly launched NCSEStats



Overhaul of NCSES Website



NCSES Twitter Account

Budget and Staffing

FY 2021 Budget Outlook

Funding

- \$66.69M

FY 2022 Budget Outlook

Funding

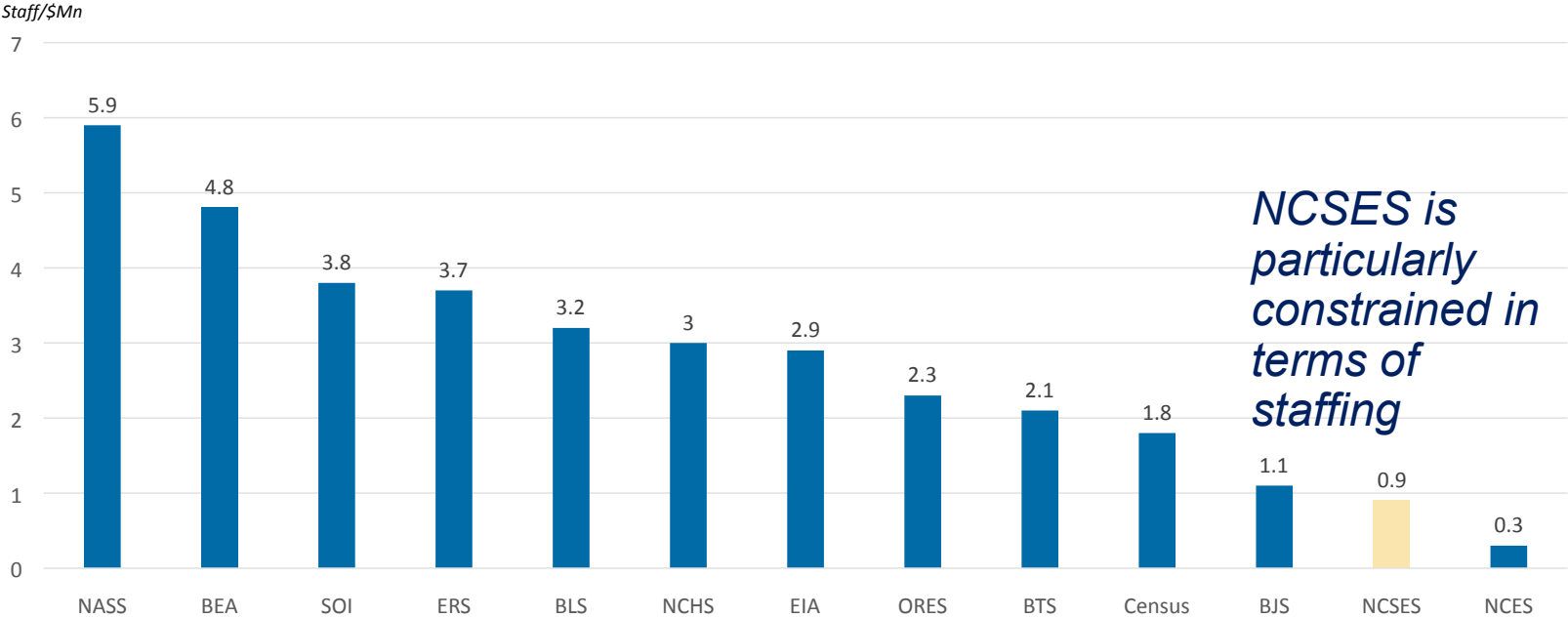
- \$73.21M
- Increase of 9.8% over FY2021 (\$6.53M absolute increase over FY2021)

Our Workforce



Budget and Staffing

Ratio of Full-Time Permanent Staff to Fiscal Year 2019 Appropriations



Source: Statistical Programs of the United States Government, Fiscal Years 2019/2020; Appendix Tables 1a and 3a



