

# The Nation's Data At Risk

Meeting America's Information Needs for the 21<sup>st</sup> Century





Federal statistics  
are  
essential U.S.  
infrastructure

*A New Effort to Assess the  
Health of the Principal Federal  
Statistical Agencies & Chief  
Statistician's Office in OMB*

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*proactive monitoring to identify needs and  
vulnerabilities before they are major  
problems*

# Outline

Motivation

Methods Steve Pierson

Framing

Findings Connie Citro

Recommendations

Nancy Potok

Future Work

# Motivation *Challenges and Threats*

- undue political interference (meddling in operations, gutting staff)
- shrinking budgets (declining purchasing power)
- growing challenges (declining response rates, unfunded mandates)
- demand for more timely, granular, and frequent data



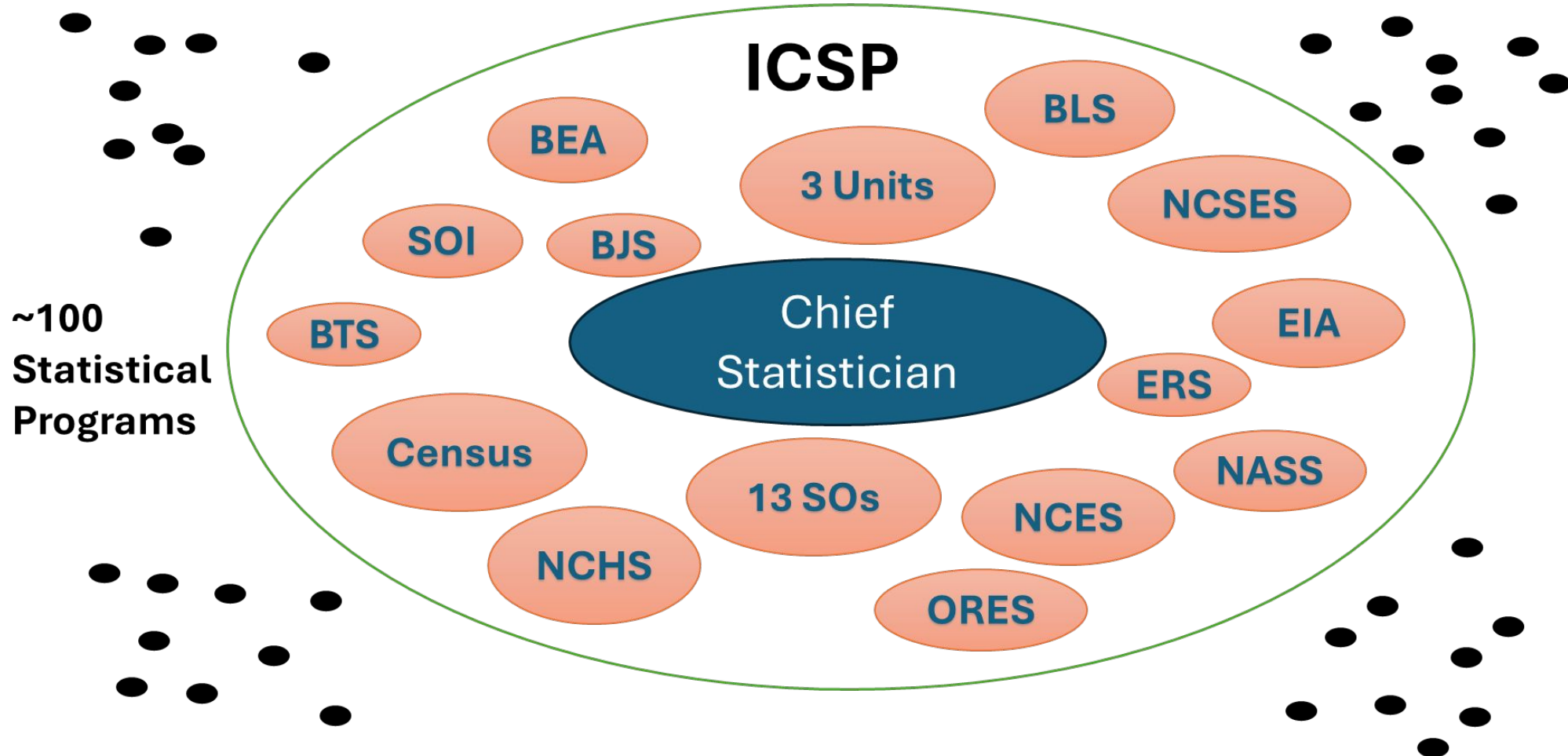
Federal Statistical  
Agencies  
are  
the backbone of US  
data infrastructure

Just as our  
transportation  
infrastructure supports  
the US economy,  
governance, and  
society...

... so too do the federal  
statistical agencies.

# Motivation *We Examine the US Statistical System*

## Federal Statistical System



# Methods *Data and Outreach*

- ✓ conducted listening sessions with 13 principal agencies, US Chief Statistician
- ✓ surveyed the principal statistical agencies
- ✓ collected information from agency websites, OMB, OPM and Data Watch
- ✓ held a workshop in November 2023. Participants included 12 agencies, 11 agency heads, Chief Statistician and staff.
- ✓ received guidance from a Scientific Advisory Board of federal statistics experts
- ✓ 11 report reviewers

# Framing *We Were Guided by Six Questions*

First two inspired by the Evidence Act

1. Does the agency consistently produce relevant, timely, credible, accurate, and objective statistics?
2. Is the agency trustworthy and accountable?

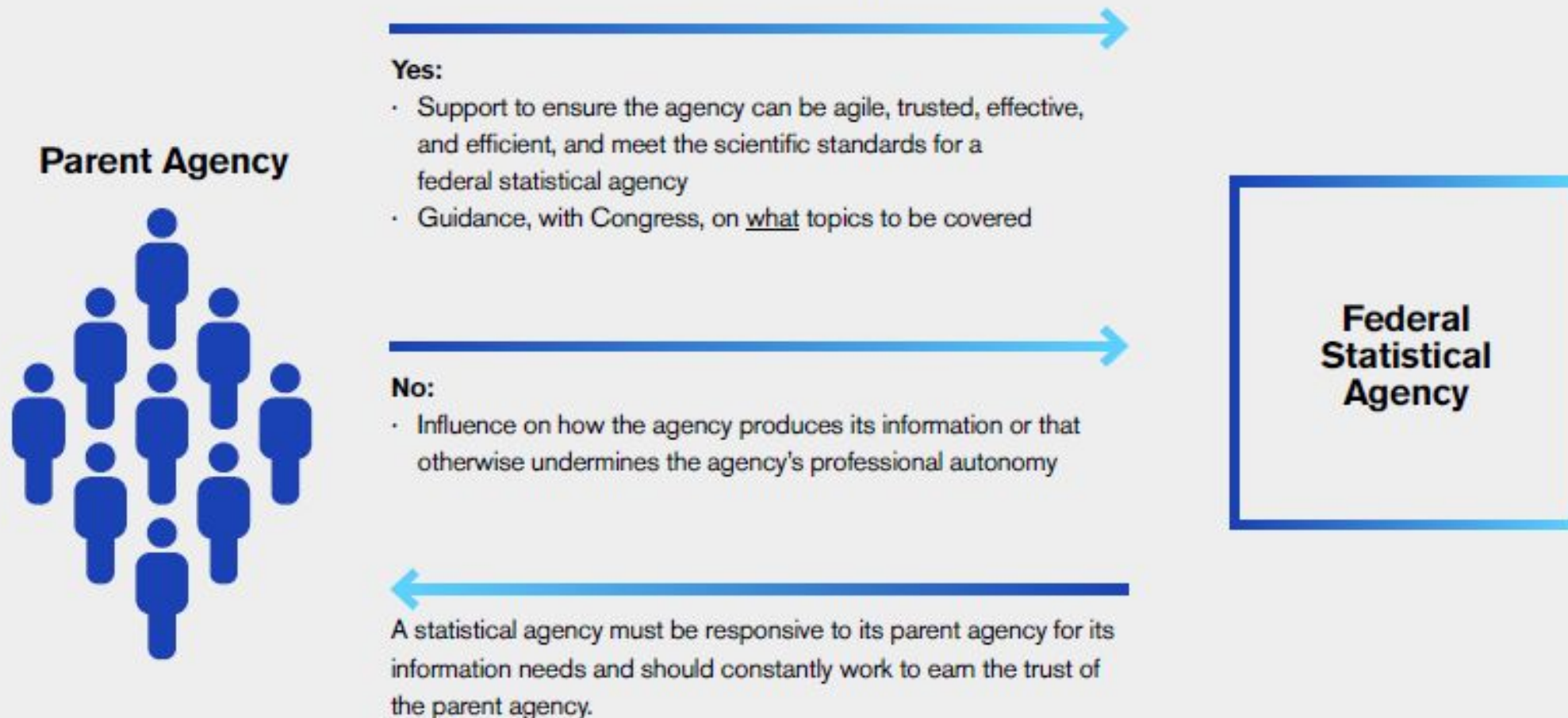


# Framing *We Were Guided by Six Questions*

3. Does the agency have sufficient support in three key areas:
  - professional autonomy
  - parent-agency support
  - budget and staffing

# Framing *We Were Guided by Six Questions*

**FIGURE 3.** Yeses and Nos of Parent Agency Support



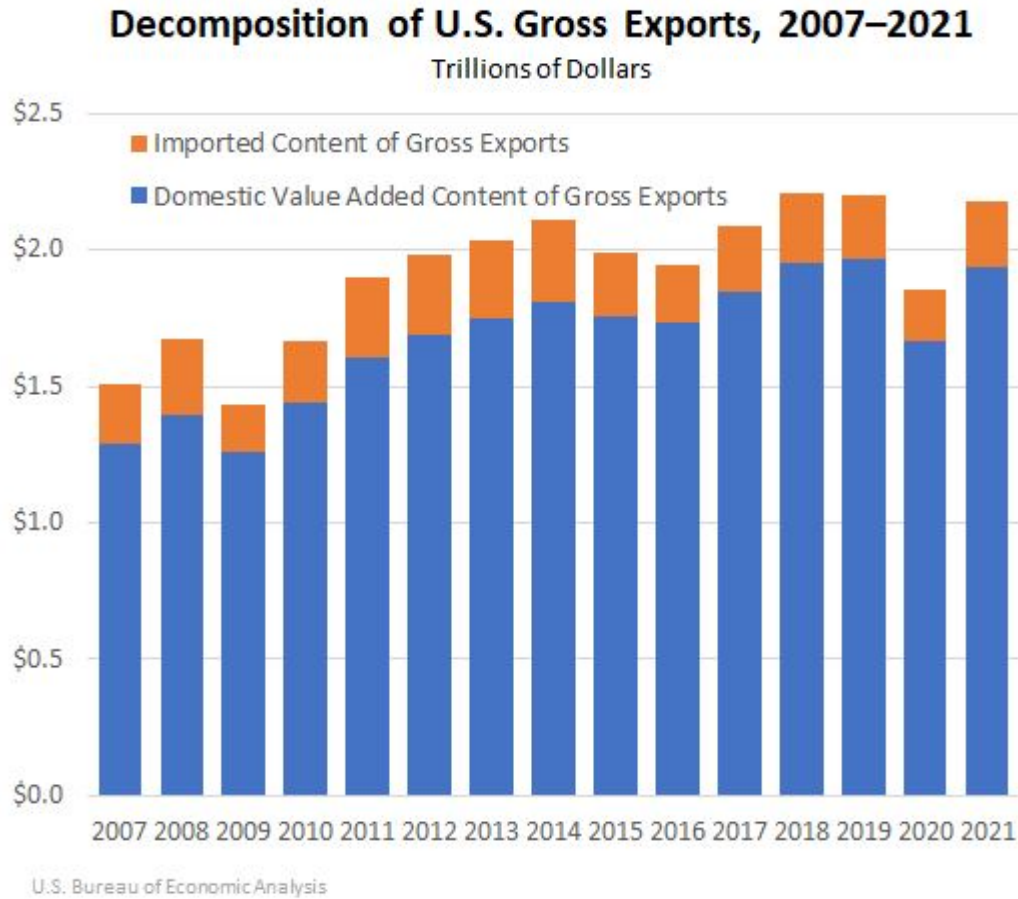
# Framing *We Were Guided by Six Questions*

4. What are the challenges and threats the agency faces and their magnitude and potential consequences?
5. Is the agency agile? What is its record with innovation and with opportunities to respond to future data needs?
6. Is the agency responsive to user needs and transparent about its data products and decisions that affect users?

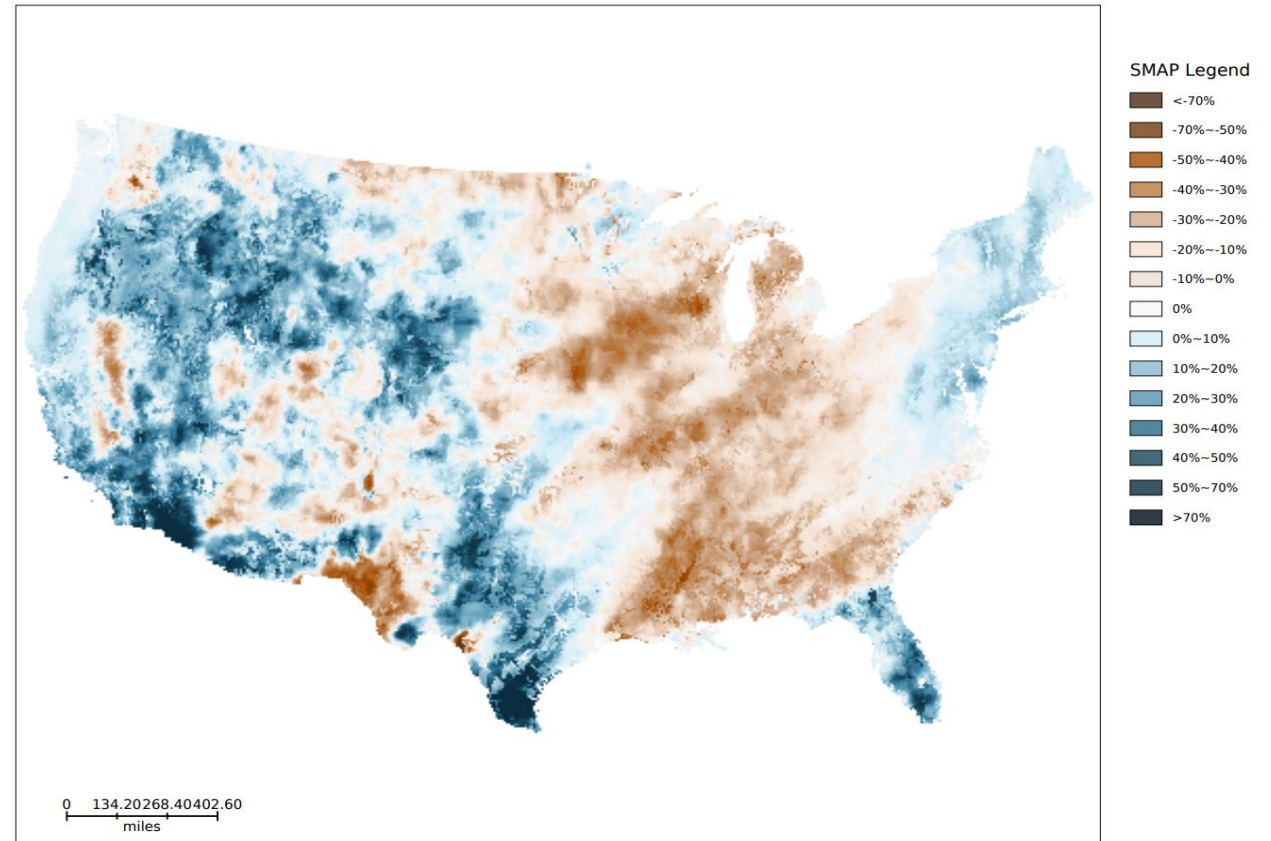
# Findings *Federal Statistics Are At Risk*

- Federal statistical agencies have many strengths—timely production of key economic and social indicators; innovative data to respond to Covid-19
- BUT agencies face increasing challenges to innovate (e.g., granular data on infrastructure & AI impacts on work, education, society)
- Chief statistician's office in OMB under-resourced for its necessary functions to lead a decentralized statistical system

# Findings *Two Examples of Innovation*



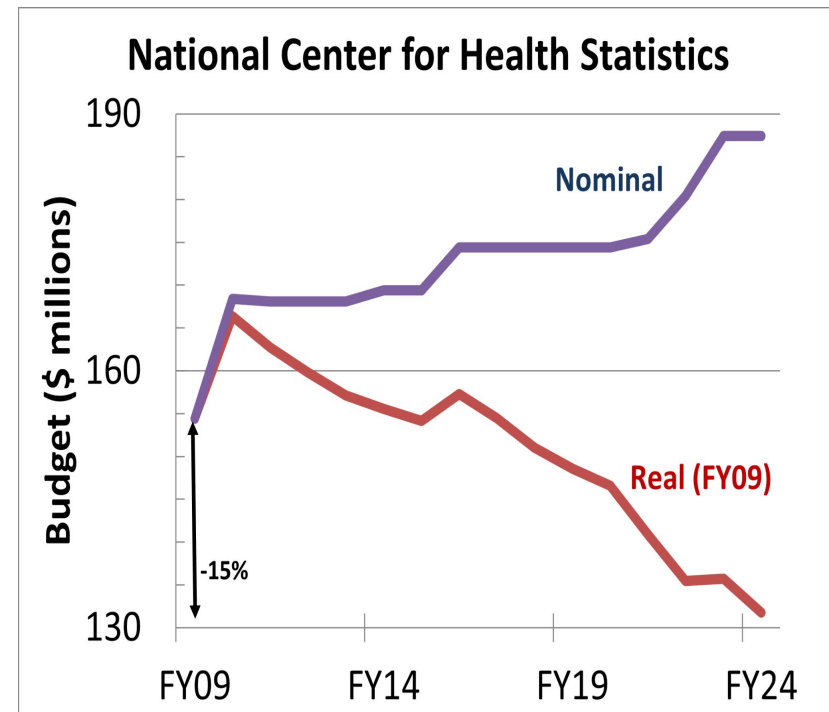
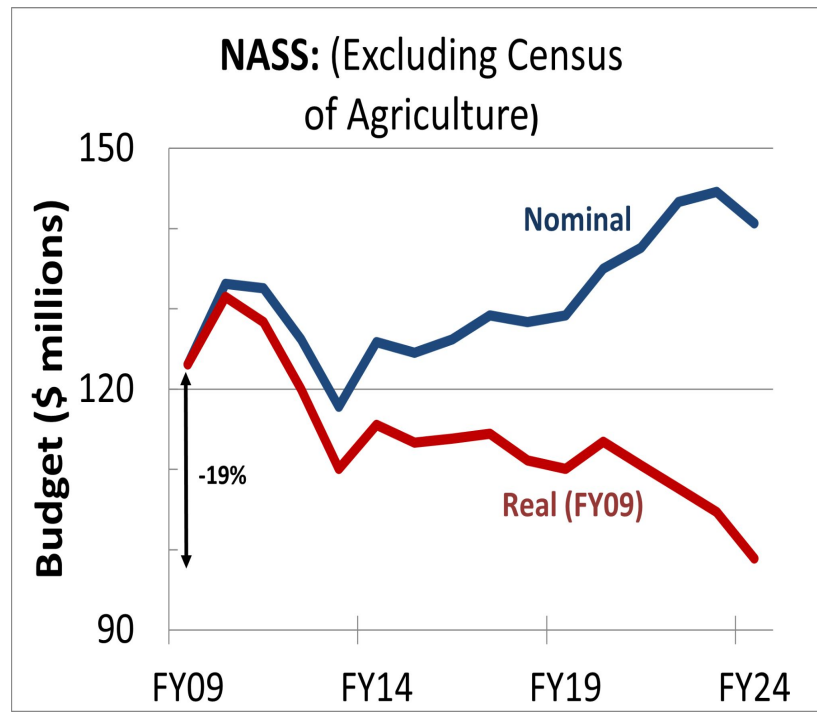
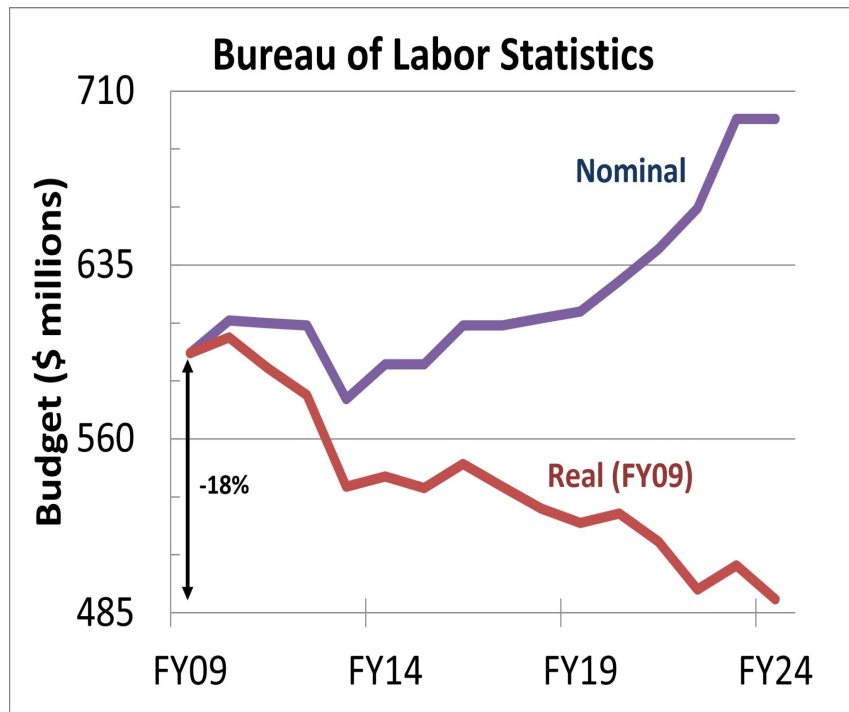
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# Findings *Federal Statistics Are At Risk*

- Most, if not all, statistical agencies have a significant weakness in at least one of three critical supports:
  - Weak legislative protection for “professional autonomy” — makes agencies vulnerable to political meddling as has happened in other countries
  - Lack of strong support from cabinet department or independent agency (“parent agency”)
  - Insufficient resources (budget and staffing levels - often woefully so)

# Findings *Federal Statistics Are At Risk*



NASS: National Agricultural Statistics Service; GDP deflator used to adjust for inflation; total nondefense discretionary domestic budget increased by 16% in real terms over same period



# Findings *Federal Statistics Are At Risk*

- Long-running series for key economic and social indicators prone to become outdated in content and methods—e.g., Current Population Survey (CPS) unemployment rate, consumer spending....
  - Agencies lack resources for testing, improvement, concurrent series
- Essential programs cut without full consideration of user needs—e.g.,
  - CPS sample size cut; Commercial Energy Consumption Survey delayed; School Survey on Crime and Safety cancelled; County estimates for crops and livestock cancelled....

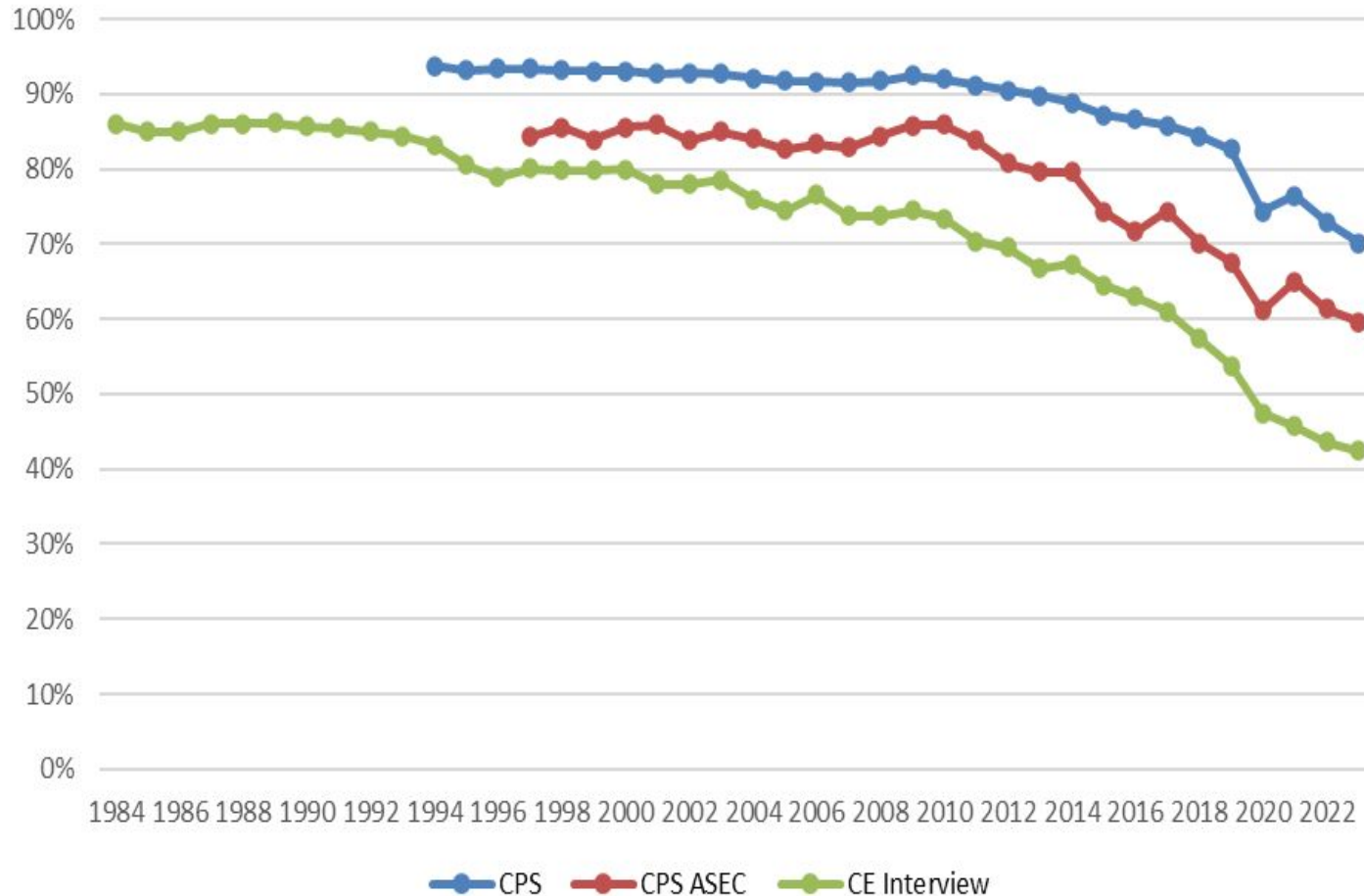


# Findings *Federal Statistics Are At Risk*

- Environmental headwinds drive up survey costs, degrade quality, and make “blended data” solutions hard to achieve
  - Survey response rates declining here and abroad
  - Costly to strive to maintain response rates
  - Other data sources could help (e.g., administrative data, commercial data), but barriers (legal, regulatory, cost) often stand in the way
- Increasing threats to privacy and confidentiality; agencies pulling more data into limited access research centers, limiting equitable data access

# Findings *Declining Response Rates*

CPS, CPS ASEC, & CE Interview - Response Rates



- **Current Population Survey**  
produces monthly unemployment rate
- **CPS Annual Social and Economic Supplement**  
produces yearly poverty rate, median household income
- **Consumer Expenditure Survey**  
produces market basket weights for the CPI

# Findings *Federal Statistics Are At Risk*

- Chief statistician's office lacks sufficient resources to fully carry out its myriad responsibilities—only 12 staff plus detailees
- Office is remarkably productive given small size, but lacks capacity to
  - Conduct meaningful strategic planning
  - Expedite and coordinate needed innovation in cross-cutting topic areas—e.g., education, health, labor force, economic well-being
  - Handle full plate of standards and regulations on a timely basis

# Findings *Federal Statistics Are At Risk*

- Statistical agencies obtain input from advisory committees, user conferences, and other means
- But not investing enough to inform decisions on data programs and innovation priorities by understanding the needs/views of data users, parent agencies, policymakers, and the public (they are data “stewards”)
- The Evidence Act requires proactive engagement to obtain broad feedback on the utility of agencies’ data

# Findings *Agency Profiles*

For each principal statistical agency reviewed, four parts

- Support ratings: weak, challenging, mixed, good, strong
- Key agency information
- Strengths, Weaknesses, Challenges, Opportunities
- Agency-specific recommendations

# Findings *Agency Support Strength Ratings*

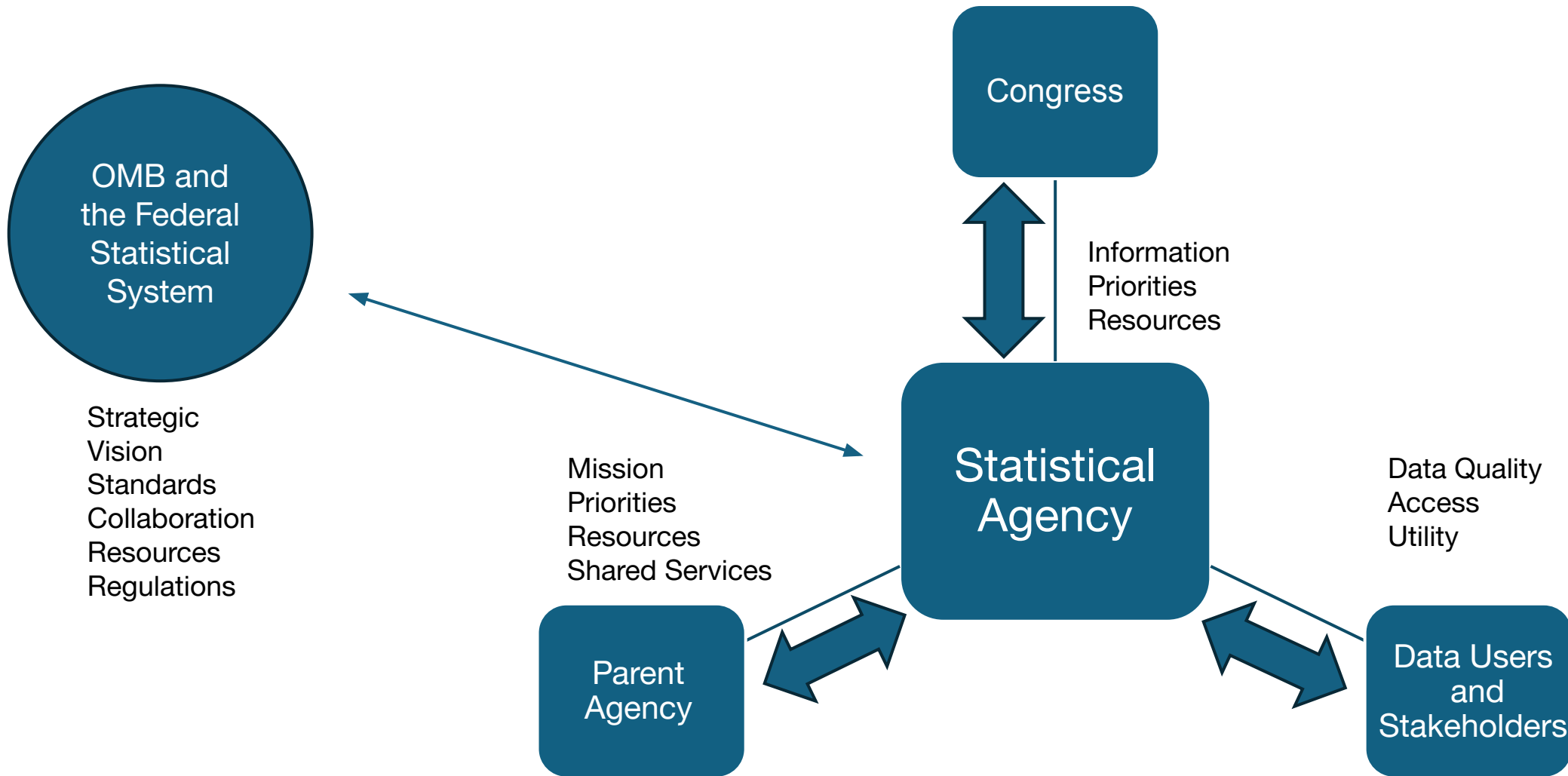
<b>Agency*</b>	<b>Resources</b>	<b>Staffing applicable only to BJS, NCES &amp; NCSES)</b>	<b>Professional Autonomy</b>	<b>Parent-Agency Suport</b>
<b>BEA</b>	Mixed	—	Challenging	Good
<b>BJS</b>	Weak	Challenging	Mixed	Mixed
<b>BLS</b>	Challenging	—	Mixed	Good
<b>BTS</b>	Challenging	—	Weak	Challenging
<b>Census</b>	Mixed	—	Weak	Good
<b>EIA</b>	Challenging	—	Good	Strong
<b>ERS</b>	Challenging	—	Challenging	Good
<b>NASS</b>	Challenging	—	Challenging	Good
<b>NCES</b>	Challenging	Weak	Weak	Weak
<b>NCHS</b>	Challenging	—	Mixed	Mixed
<b>NCSES</b>	Mixed	Challenging	Mixed	Mixed

# **Recommendations** *15 Actions to Strengthen Federal Statistics*

Directed at Congress, parent agencies, statistical agencies, and OMB to:

1. Protect and enhance professional autonomy;
2. Provide adequate budget and staffing support for baseline work and innovation;
3. Conduct more effective communications between statistical agencies and Congress/parent agencies;
4. Develop proactive outreach to data users; and
5. Strengthen the Chief Statistician's ability to lead.

# Recommendations *Communications*





# Recommendations *Congress*

Enact legislation to:

1. Accord professional autonomy to each agency

3. Provide adequate multi-year funding

2. Expand data sharing authority beyond Evidence Act

4. Extend privacy and confidentiality violation penalties to the public

5. Congress should meet at least annually with agency leadership

# Recommendations *Parent Agencies*

6. Proactively promote and support professional autonomy to each agency

8. Request and provide adequate multi-year funding and resources

7. Provide shared services expeditiously to support IT and hiring

9. Hold regular meetings with statistical agency leadership

# Recommendations *Statistical Agencies*

10. Interact proactively with parent agency and Congress to prioritize information needs

11. Reach out more productively to data users and other stakeholders to incorporate valuable feedback on information needs and quality

12. Provide more and better information on methods and methodological decisions to users and stakeholders, particularly on controversial decisions

# Recommendations *Office of Management and Budget*

13. Finalize the “Trust Regulation” and other regulations as required by the Evidence Act (OMB leadership)

14. Develop a strategic plan and vision for the Federal Statistical System and implement it (Chief Statistician and ICSP)

15. Provide the Chief Statistician’s office sufficient resources to provide substantive leadership and carry out statutory duties (OMB Leadership)

# Future Work *Plans and Considerations*

- Conduct deeper dive into the 13 federal statistical agencies and the chief statistician's office
- Expand effort to other 16 members of ICSP
- Consider efficiency of the federal statistical system as a whole
- Examine the role of state, local, and tribal governments
- Add the perspective of parent agencies and data users
- Conduct international comparisons

# Future Work *Call for Input*

- What did we miss, get wrong, or correctly assess?
- What should we prioritize for year 2?
- How do we further the report's impact?



# Acknowledgements

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# Questions

Please insert your questions using the Zoom Q&A feature.

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