

National Health and Nutrition Examination Survey (NHANES)

Planning Content in NHANES: Challenges and Next Steps

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NCHS Board of Scientific Counselors Meeting

January 11, 2018



National Center for Health Statistics

Division of Health and Nutrition Examination Surveys

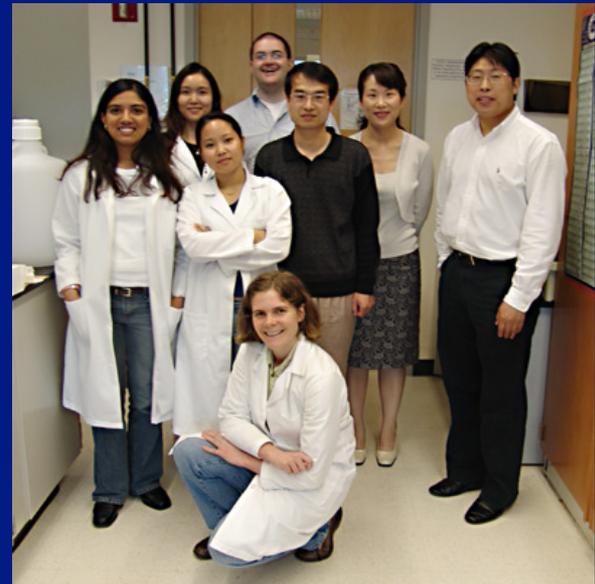


Planning NHANES

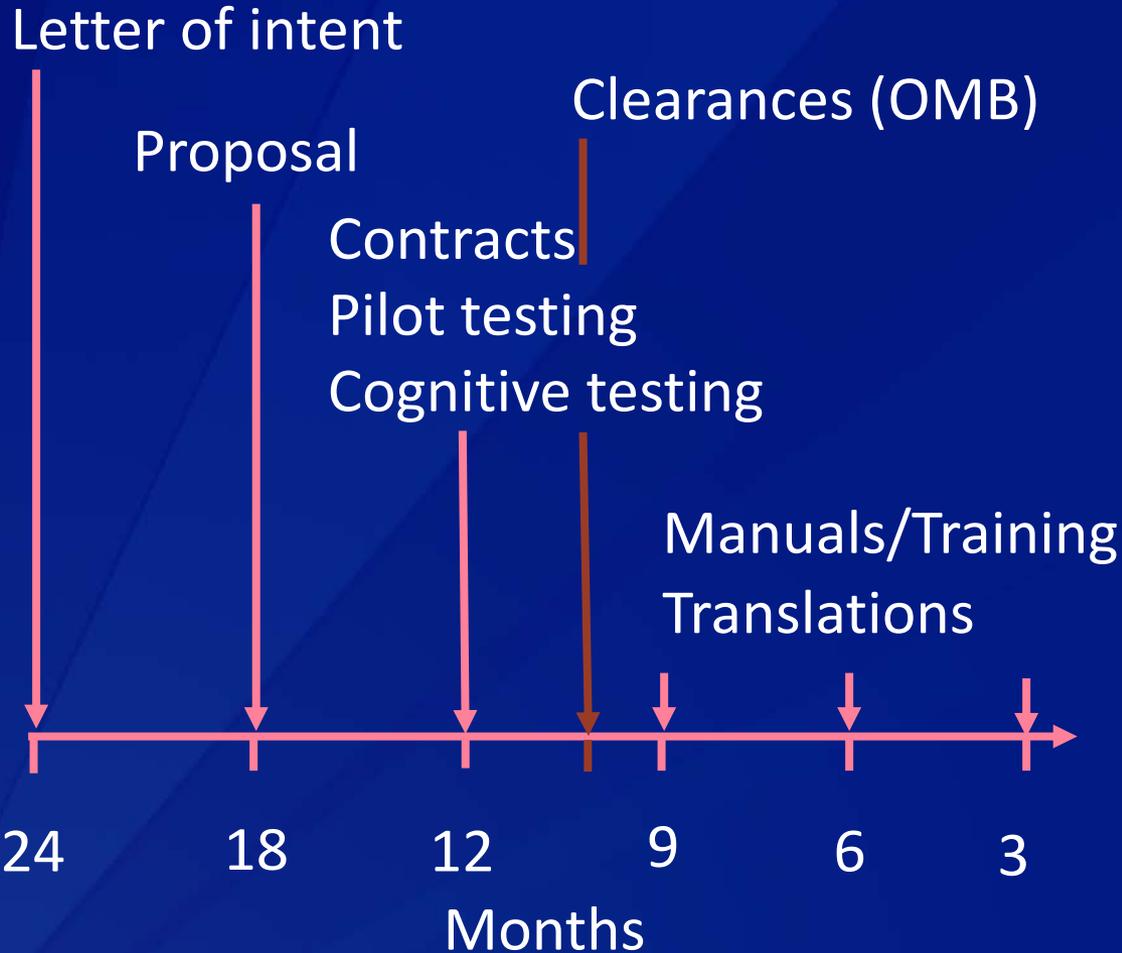
New content

Open invitation to researchers via the web, listserv, and email

- Federal government
- Universities
- Private sector
- NHANES program



Timeline



Start
January 2019

Proposal evaluation criteria

- Public health significance
- Scientific merit
- Appropriateness
- Feasibility
- Ethical issues
- Financial considerations

Challenge #1

- Doing the same work with fewer staff/contractors

NHANES Cycle	Highest total number of on-site DHANES staff, trainees, and contractors
2011-12	82
2013-14	80
2015-16	75
2017-18	65

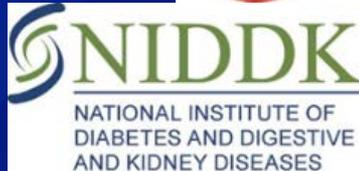
Current efforts

- Preparing and releasing data files from NHANES 2015-16
- Overseeing data collection efforts for NHANES 2017-18
- Planning NHANES 2019-2020 and finalizing content
- Launching and overseeing data collection for the NHANES Longitudinal Study – Feasibility Component

Challenge #2

- **A lot of interest in adding content to NHANES 2019-2020**

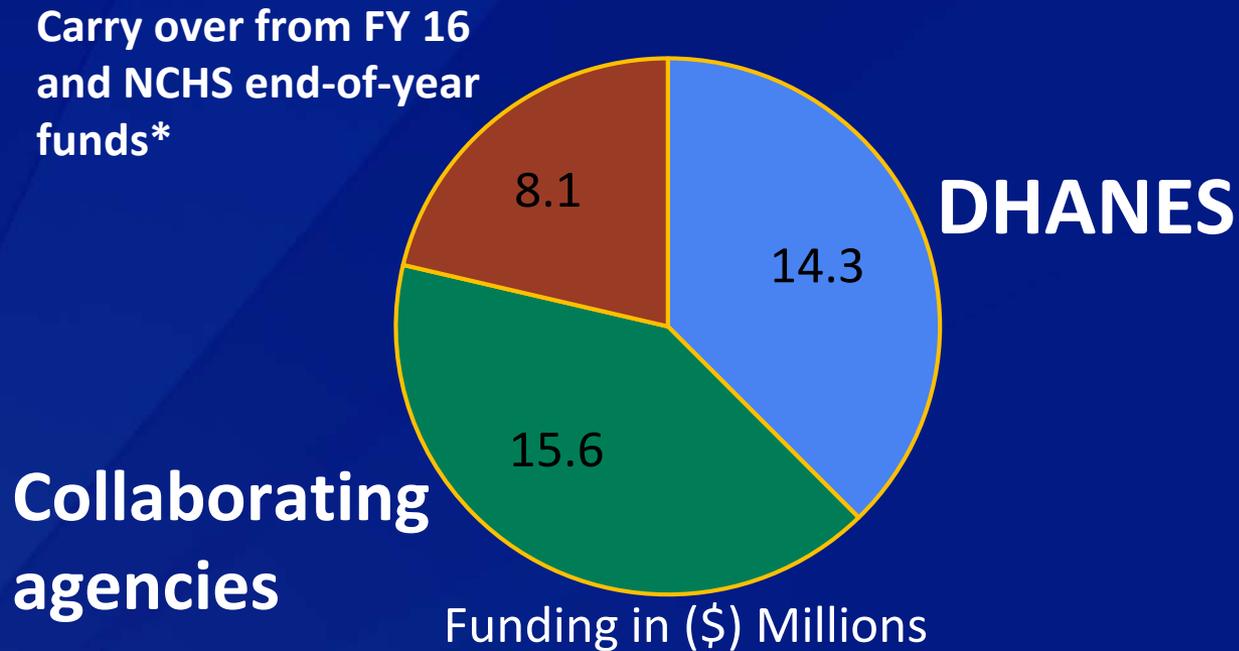
Collaborators



National Institute of Dental and Craniofacial Research



NHANES FY 2017 Funding - \$38 M



* A complete accounting of year-end funds not presented

Letters of intent

- **Sample design (2019-2022)**

- Oversample adolescents
- Oversample pregnant women
- Special study of infants B-24

No funding

Postponed

Not accepted

Letters of intent

- **Examination (2019-2020)**
 - Vision
 - Balance
 - Words-in-noise
 - Cognitive functioning



Letters of intent

- **Examination (2019-2020)**
 - ~~Vision~~
 - Balance
 - Words-in-noise
 - Cognitive functioning

- Blood sample collection infants < 1 yr (pilot)

Letters of intent

Post exam (2019-2020)

- Infertility
 - Adult males: in-home semen sample collection
- Gut microbiome
 - All: in-home stool sample collection
- Oral HPV infection status over time
 - Adult males: in-home saliva collection, 6, 12, 18, 24 month collections

Not accepted

Letters of intent

Post exam (2019-2020)

- Monitoring sodium intake
 - 24-hour urine collection

Post exam (2021-2022)

- Hypertension
 - 24-hour blood pressure monitoring
 - Pilot test this year or next

On hold

Challenge #3

- **Planning new content in an environment of declining response rates**

NHANES Response Rates

NHANES Cycle	Screened	Eligible	Interviewed		Examined	
			n	%	n	%
11-12	≥ 98%	13,431	9,756	72.6%	9,338	69.5%
13-14	≥ 98%	14,332	10,175	71.0%	9,813	68.5%
15-16	94.3%	15,327	9,971	61.3%	9,544	58.7%

Summary of challenges

- Fewer staff
- Fragile funding
- Declining response rates
- Strong interest from collaborators to add content

Summary of strengths

- Highly dedicated staff
- NHANES single source of nationally-representative data based on direct physical measures
- Strong interest from collaborators to add content

What's ahead



Next steps

- Launch longitudinal NHANES?
- Redesign cross-sectional NHANES?
 - RFI process completed
 - Get information from vendors (early 2018)
- Evaluate the need for NHANES



Before we open the program across the United States, we are enrolling a limited number of people as beta testers.

[LEARN ABOUT BETA](#)

What is *All of Us*?

“..We want to create the largest health data resource ever. By understanding people’s health, neighborhood, family, and lifestyle, researchers will have information to better understand health and disease. This information is essential to create a healthier future for generations to come.



For more information please contact Kathryn S. Porter

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