Updates from the National Institute on Aging

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Division on Behavioral and Social Research
National Institute on Aging

March 19, 2024

Succeeding in Mental Health and Aging Research March Webinar

Overview

- About NIA
- BSR programs, priorities, and resources
- NIA Funding & Current Funding Opportunities

NIA mission and goals

- Support and conduct genetic, biological, clinical, behavioral, social, and economic research on aging.

- Foster the development of research and clinician scientists in aging.

- Provide research resources.

- Disseminate information about aging and advances in research to the public, health care professionals, and the scientific community, among a variety of audiences.

The National Institute on Aging:
Strategic Directions for Research, 2020-2025

https://www.nia.nih.gov/about/aging-strategic-directions-research

NIA Organization

Division of Aging Biology

Division of Behavioral and Social Research

Division of Geriatrics and Clinical Gerontology

Division of Neuroscience

Division of Extramural Activities

NIA Division of Behavioral and Social Research – Research Priorities

Health, function, and well-being

Life course approach to studying aging processes and health disparities

Midlife prevention of the chronic diseases of aging; reversibility & redirection of adverse aging trajectories

Promotes rigorous approaches to understanding and advancing behavior change at the individual and organizational levels

Develops new innovative behavioral and social science approaches to addressing Alzheimer's disease and related dementias

BSR AD/ADRD Research Priorities

Supporting social, psychological, economic, and behavioral research on the processes of aging and AD/ADRD at the individual and population levels

Cross-cutting themes:

- Understanding and Addressing Health Disparities
- Life Course Perspective on Aging Processes
- Biobehavioral and Biosocial Integration

Alzheimer's-related Research in BSR

DISPARITIES

DEMENTIA CARE

COGNITIVE + DEMENTIA EPIDEMIOLOGY

CAREGIVER RESEARCH

RESEARCH RESOURCES

BEHAVIORAL + SOCIAL PATHWAYS

PREVENTION

EARLY PSYCHOLOGICAL CHANGES

https://www.nia.nih.gov/research/dbsr

Scientific Portfolios in BSR

Individual Behavioral Processes Branch

Vacancy	Psychological development; Affective science
Melissa Gerald	Animal models of social behavior; Vulnerable populations; RCMAR Centers
Jonathan King	Longitudinal cognitive aging; Behavior genetics
Liz Necka	Interpersonal Interventions; Social Connections and Isolation, Pain
Lisa Onken	Behavior change & behavioral intervention development; Roybal Centers
Vacancy	Small Business; Human Factors

Dana Plude	Cognitive Aging; SBIR
Luke Stoeckel	Decision science; Behavior Change; Neuropsychological Assessment
Dinesh John (IPA)	Digital Health and Technology Solutions
Emily Hooker	Psychobiology; Developmental Origins of Health and Disease
Melissa Trevino	Experimental Cognitive Aging
Elise Rice	Behavioral/Community Interventions
Erin Harrell	Applied Cognitive Aging; Driving
Melissa Riddle	Behavioral Interventions; Dementia Caregiving

Join us!

Social and Behavioral Scientist Administrator (Scientific Review and Program Officer)

National Institutes of Health
Department of Health and Human Services
Multiple Locations

Starting at $86,962 Per Year (GS 12-14)
Permanent • Full-time

Open 03/18/2024 to 03/27/2024

Scientific Portfolios in BSR

Population and Social Processes Branch

John Phillips, Chief	Work and economic insecurity; Population-based surveys & methods
Frank Bandiera	Racial/Ethnic health disparities; Immigration
Partha Bhattacharyya	Behavioral Economics; Pragmatic Trials; AI-ML; Data Science
Elena Fazio	Dementia care; LTSS
Amelia Karraker	Family dynamics; SES Disparities; Education and AD/ADRD; Population genetics; Demography & Economics Centers
Priscilla Novak	Healthcare organizations and payment; Economic cost of AD/ADRD

Minki Chatterji	Cognitive and Dementia Epidemiology; Global Aging; Aging in LMIC
Emerald Nguyen	Climate Change; Exposome
Theresa Kim	Health Systems Interventions
Kriti Jain	Field Experiments, Quasi-experimental Studies
David Braudt	Biodemography; Population Genetics
Vacancy	Health Systems/Health Economics
Vacancy	Behavioral Economics/Econometrics

Scientific Support Offices in BSR

Office of Behavioral and Social Clinical Trials

Petra Jacobs, Director

Supports BSR's 400+ Clinical Trials
- Pre- and post-award policy compliance, risk assessment, training, outreach
- Assists POs, PIs, and Applicants
- DSMB support

Supports Clinical Trials Infrastructure
- Roybal Centers for Translational Research
- NIA IMPACT Collaboratory

Office of Data Resources and Analytics

Partha Bhattacharyya, Director

Supports data sharing and data infrastructure projects
(NACDA, Long Term Care Data Cooperative, Real World Data Platform Initiative)

Supports access to administrative data
(Medicare, Medicaid, Social Security, etc.)

NIA CROMS

NIA's Clinical Research Operations & Management System (CROMS)

Accelerating access to real-time clinical research enrollment and inclusion data

The Clinical Research Operations and Management System provides NIA staff and grantees real-time tracking, reporting, and management of clinical research enrollment data, study documents, and activities.

NIA Announces Policy and Procedures Update for CROMS

NIA recently issued a **policy update** that provides additional guidance on compliance procedures for reporting human subjects enrollment data using **NIA's Clinical Research Operations and Management System (CROMS)**. The policy applies to all NIA grants, contracts, and cooperative agreements that are active as of July 1, 2021 and support **human subjects research as defined by the National Institutes of Health (NIH)**. In addition to **NIH reporting requirements for study enrollment**, NIA investigators will be required, on a monthly basis, to electronically submit participant enrollment data into the secure NIA CROMS for all human subjects enrolled in their trials. We are writing to encourage you to review this guidance carefully.

The updates include:

- Ensuring that Informed Consent Documents list NIH as one of the organizations that may review or receive copies of information in participants' study records
- Reporting the assigned National Clinical Trial number in CROMS within three months of assignment
- Performing quarterly reviews of your CROMS study record(s)
- Ensuring that final enrollment data reported in CROMS are consistent with the data reported in ClinicalTrials.gov

NIA's **policy update** also outlines the actions we may take for grants that are non-compliant. For more information, including examples of non-compliance, please visit the **CROMS resource page**.

National Institute on Aging
Clinical Research Operations & Management System (CROMS)

Input for BSR's Scientific Priority Areas

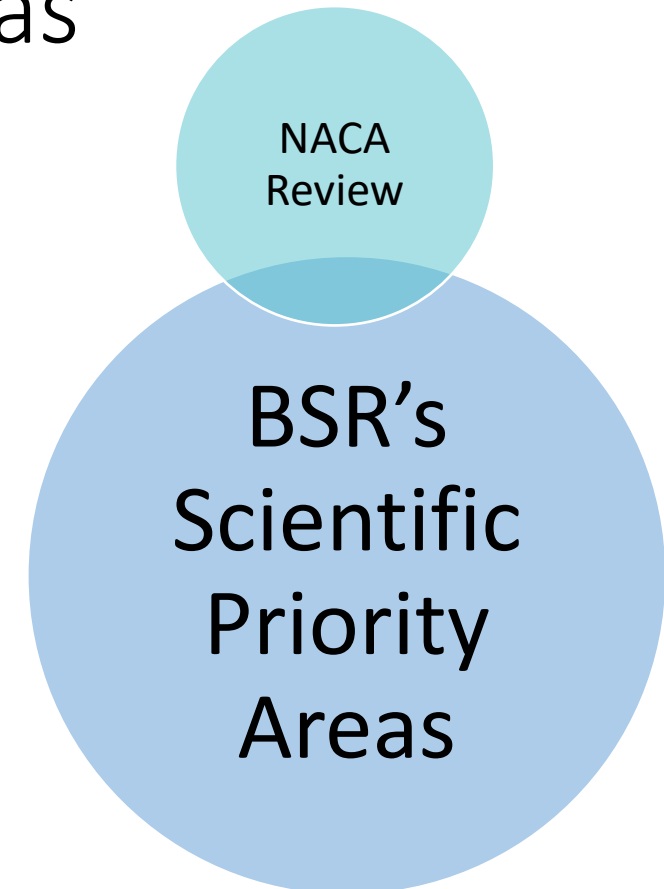- 2019 National Advisory Council on Aging (NACA) Review of BSR

NACA Review

BSR's Scientific Priority Areas
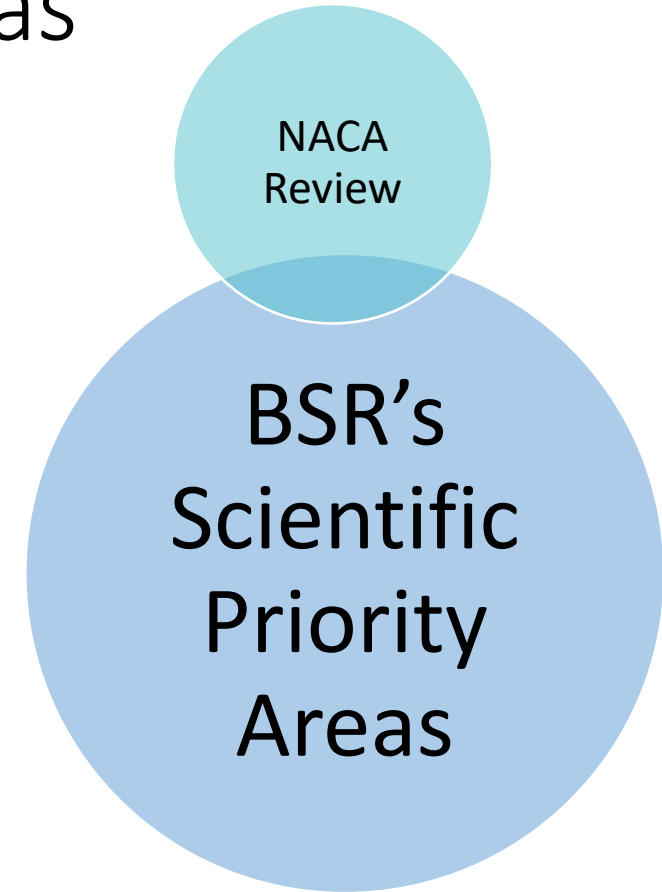
Input for BSR's Scientific Priority Areas

- 2019 National Advisory Council on Aging (NACA) [Review of BSR](#)

  - Improve understanding of **health disparities**

  - Study **macro-social trends** on aging

  - Incorporate a broad **range of approaches** (including geroscience agenda and positive processes)

  - Enhance research on **cognitive aging**

  - Support research to **improve care** for persons with dementia and their caregivers

  - Study **aging earlier** in the lifecourse

  - Support research **on behavior change** in individuals and organizations

  - Enhance research into **technology** and aging

  - Emphasize **multidisciplinary** training (including policy relevance)

  - **Reduce barriers to accessing data** for research

NACA Review

BSR's Scientific Priority Areas

Input for BSR's Scientific Priority Areas

- 2019 National Advisory Council on Aging (NACA) Review of BSR

- NASEM Expert Meetings & Consensus Reports
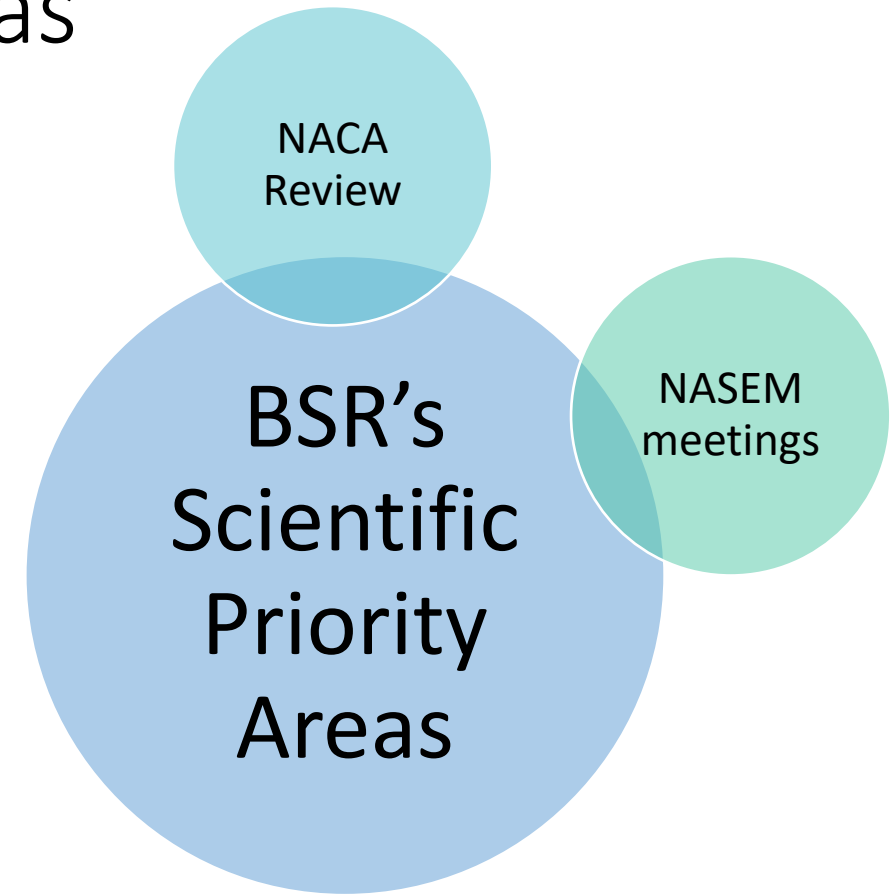
Input for BSR's Scientific Priority Areas

HIGH AND RISING MORTALITY RATES
AMONG WORKING-AGE ADULTS

Kathleen Mullan Harris, Malay K. Majmundar, and Tara Becker, *Editors*

Committee on Rising Midlife Mortality Rates
and Socioeconomic Disparities

Committee on Population
Committee on National Statistics
Division of Behavioral and Social Sciences and Education

A Consensus Study Report of

*The National Academies of*
SCIENCES · ENGINEERING · MEDICINE

REDUCING THE IMPACT OF
DEMENTIA IN AMERICA
A Decadal Survey of the Behavioral and Social Sciences

Committee on the Decadal Survey of Behavioral and
Social Science Research on Alzheimer's Disease and
Alzheimer's Disease-Related Dementias

Board on Behavioral, Cognitive, and Sensory Sciences
Division of Behavioral and Social Sciences and Education

A Consensus Study Report of

The National Academies of
SCIENCES · ENGINEERING · MEDICINE
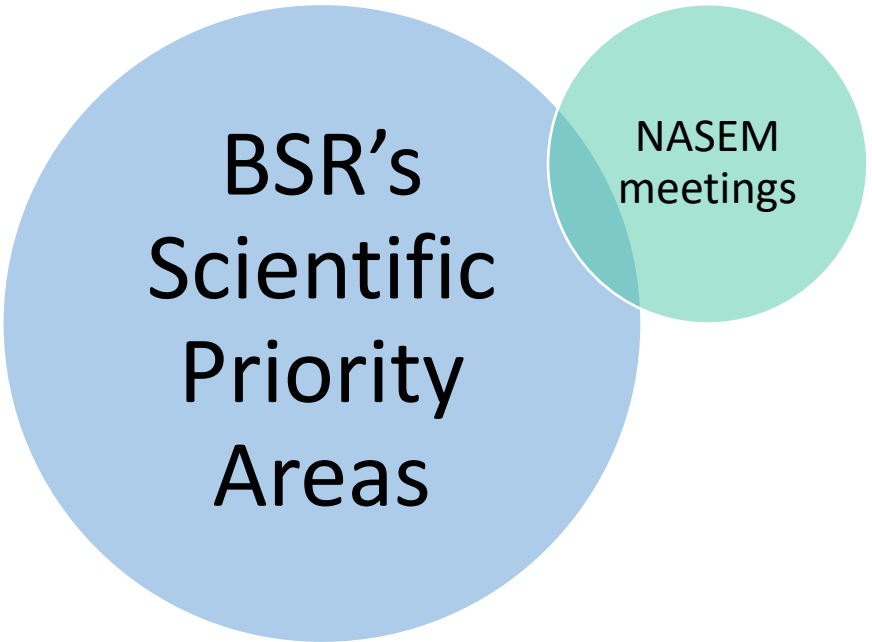
NATIONAL ACADEMIES | Sciences Engineering Medicine

About Us   Events   Our Work   Publications

**Research Priorities for Preventing and Treating Alzheimer's Disease and Related Dementias**

BSR's Scientific Priority Areas

NASEM meetings

Input for BSR's Scientific Priority Areas

- 2019 National Advisory Council on Aging (NACA) Review of BSR

- NASEM Expert Meetings & Consensus Reports
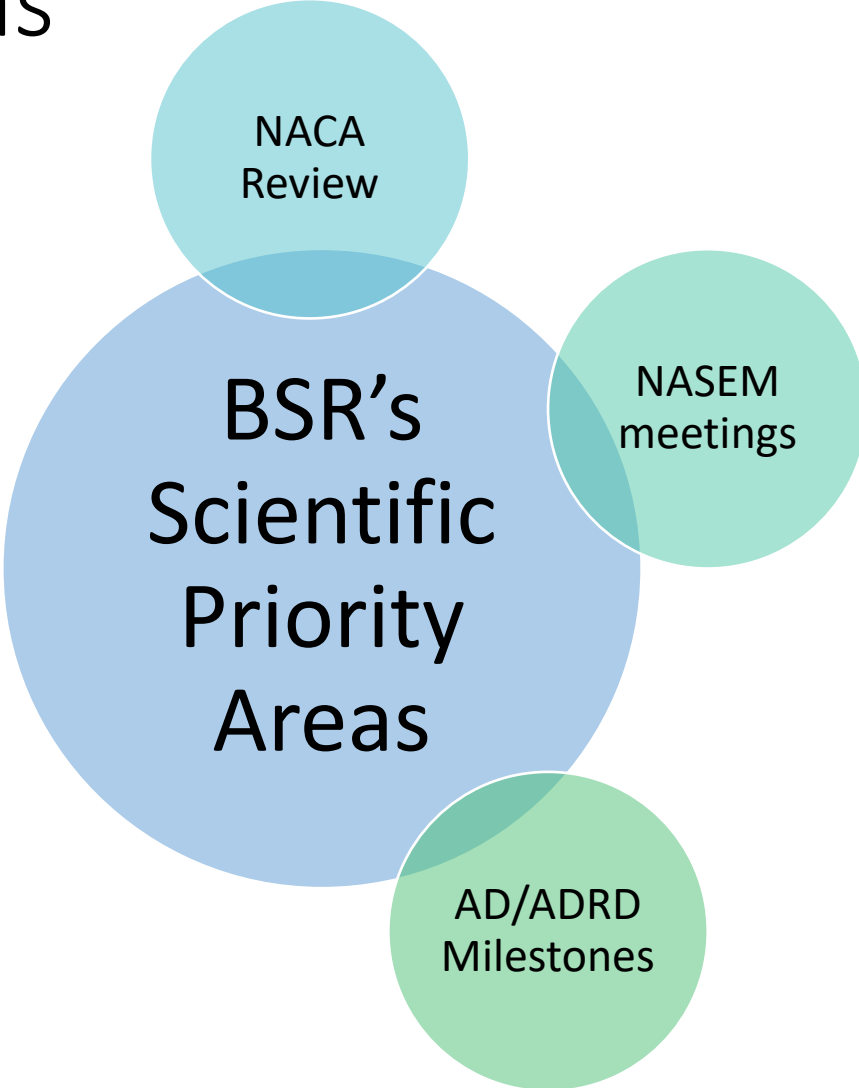
- AD/ADRD Milestones

Input for BSR's Scientific Priority Areas

- **AD/ADRD Milestones**
  - 150+ Milestones across 15+ Research implementation areas organized under 7 research areas:
    - Epidemiology/Population Studies
    - Disease Mechanisms
    - Diagnosis, Assessment, and Disease Monitoring
    - Translational Research and Clinical Interventions
    - Dementia Care and Impact of Disease
   - Research Resources
    - Specific AD Related Dementias
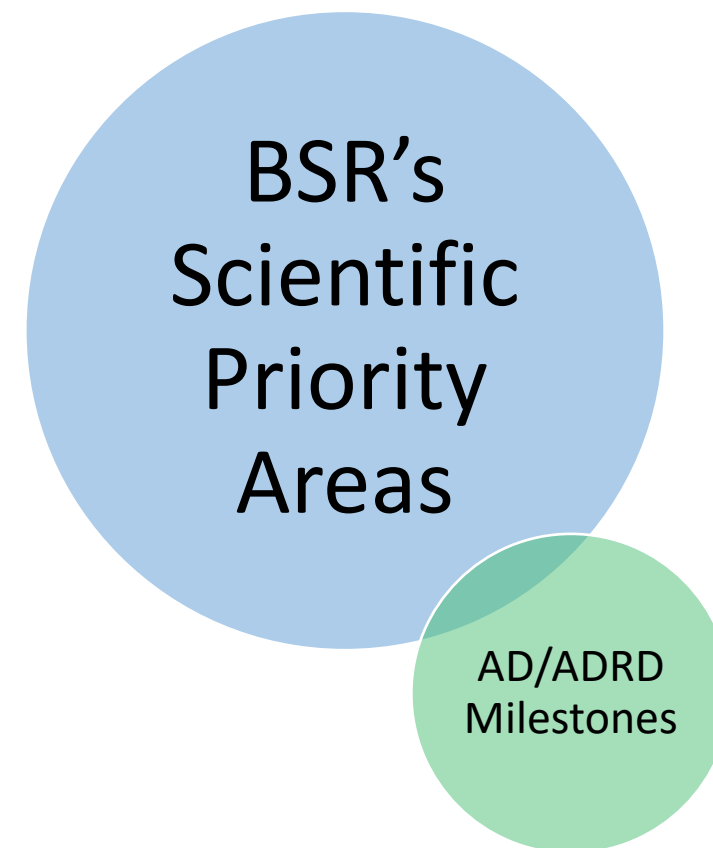
BSR's Scientific Priority Areas

AD/ADRD Milestones

Input for BSR's Scientific Priority Areas

- 2019 National Advisory Council on Aging (NACA) Review of BSR

- NASEM Expert Meetings & Consensus Reports

- AD/ADRD Milestones

- Dementia Care & Caregiving & AD Research Summits
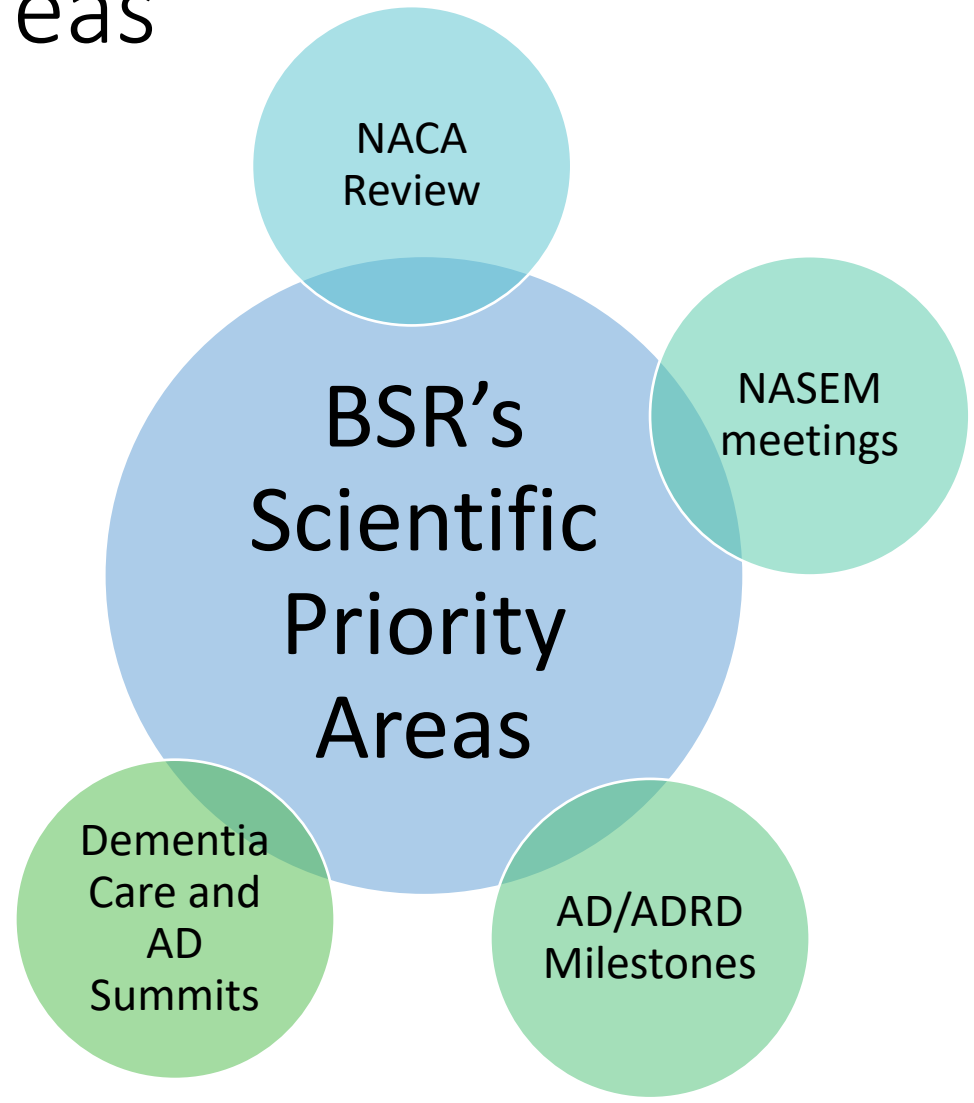
Input for BSR's Scientific Priority Areas

- Dementia Care & Caregiving & AD Research Summits
  - Bring together leading experts and innovators from academia, industry, and advocacy groups, as well as people living with dementia, their care partners, and health care providers

- The 2023 Dementia Care & Caregiving Research Summit

- The 2023 Geroscience Summit: Geroscience for the Next Generation

BSR's Scientific Priority Areas

Dementia Care and AD Summits
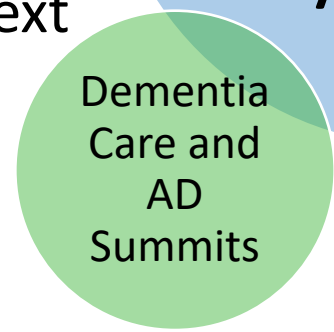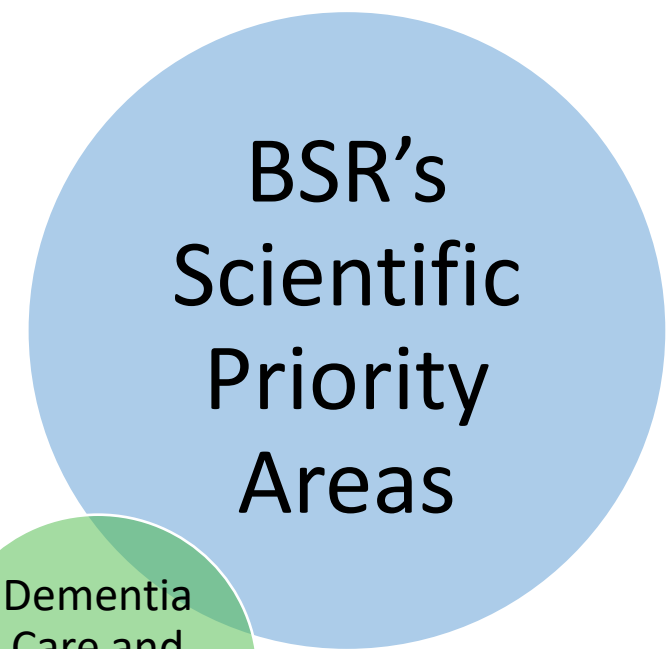
2023 Dementia Care and Caregiving Research Summit

Summit Key Themes

|		
What Matters Framework and Living Well With AD/ADRD	**Impact of Detection and Diagnosis on Individuals and Care Partners**	**Dementia Care Models and Coordination of Care**
Disparities in Health Care Access, Utilization, and Quality	**Support for Care Partners and Caregivers**	**Dementia Care Workforce**
Economic Impacts, Implications, and Approaches	**Approaches to Participatory Research and Diverse Recruitment and Retention in Dementia Care Research**	**Plenary: Challenges and Best Practices for Dissemination and Implementation of Interventions for Persons Living with Dementia and their Care Partners**

Input for BSR's Scientific Priority Areas

- 2019 National Advisory Council on Aging (NACA) Review of BSR

- NASEM Expert Meetings & Consensus Reports

- AD/ADRD Milestones

- Dementia Care & Caregiving & AD Research Summits

- Scientific Workshops
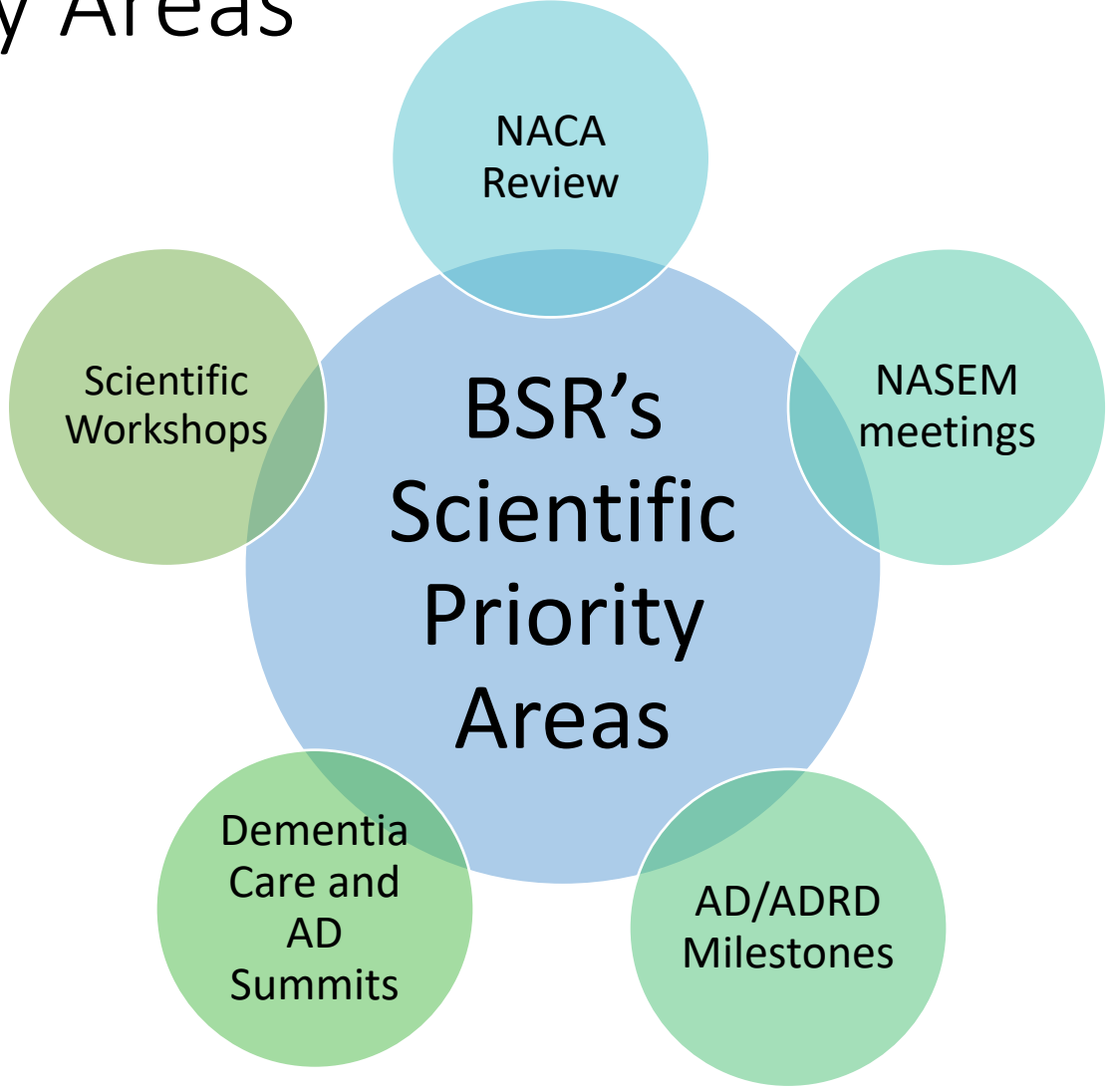
Input for BSR's Scientific Priority Areas

- Scientific Workshops
  - Recent workshops include:
    - **Clinically Meaningful Outcomes in AD/ADRD Trials**
    - **The Role of the Behavioral and Social Sciences in Geroscience — Workshop II**
    - **Aging in Place with Dementia: A Workshop**
    - **Seminar on Expectations in Aging: Impacts on Health, Cognition, and Well-Being**
    - **Seminar on Kinlessness and Living Alone at Older Ages**

Scientific Workshops

BSR's Scientific Priority Areas
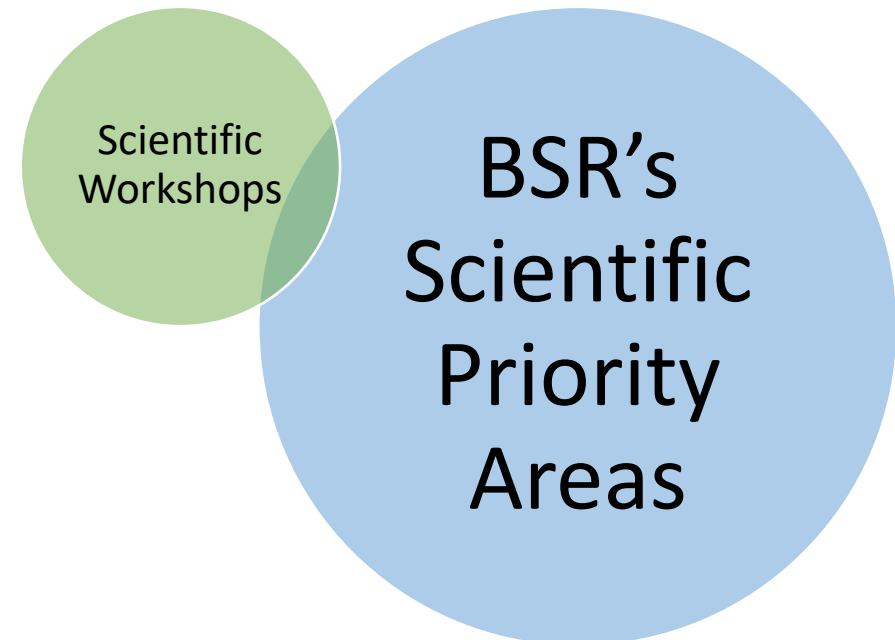
Input for BSR's Scientific Priority Areas

- Key themes:
  - Improving the quality of care
  - Behavior change and interventions
  - Research infrastructure and resources
  - Impacts, costs, and supply-side considerations
  - Measurement, assessment, and diagnosis
  - Health disparities
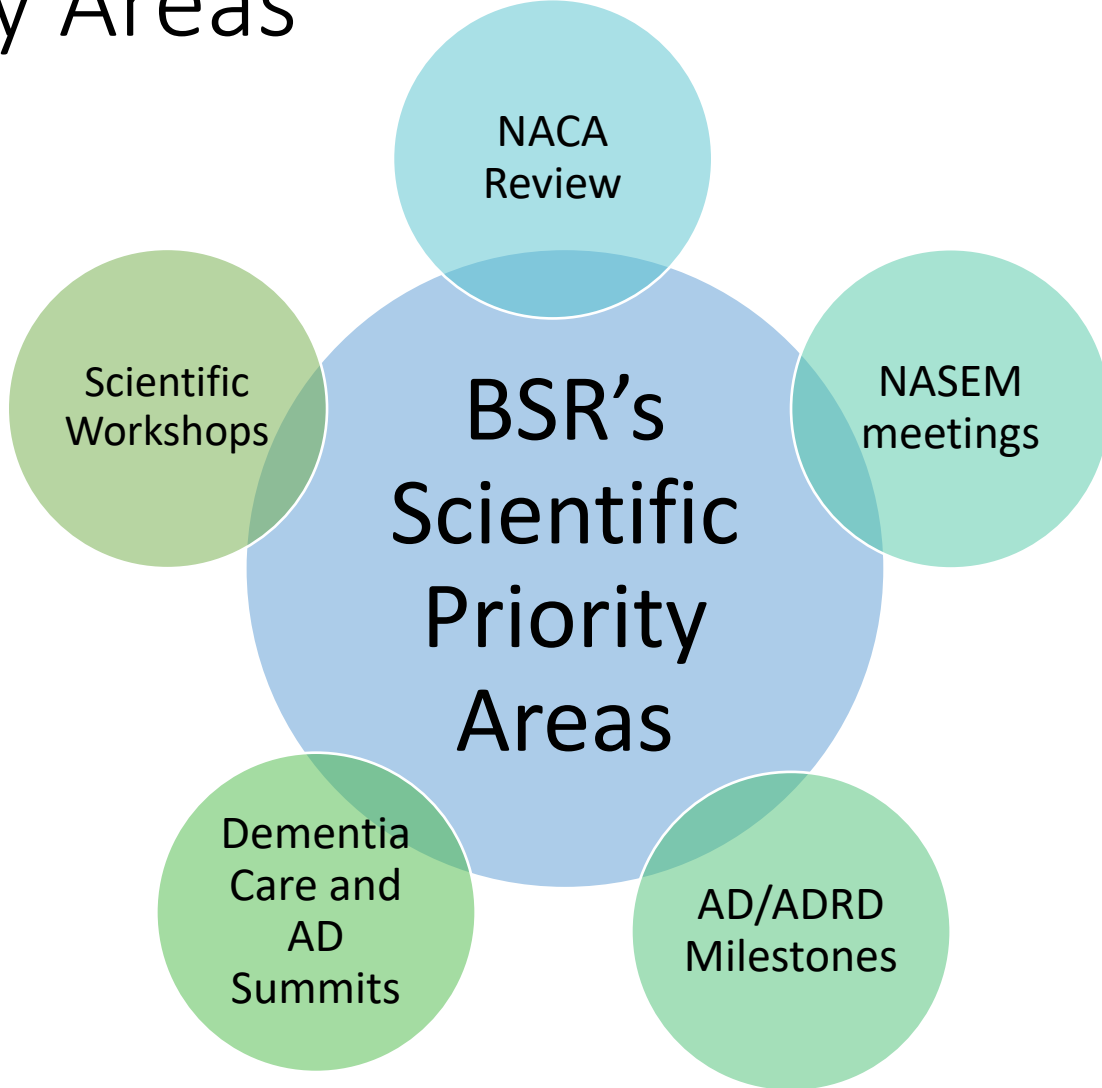
Behavioral Intervention Development: NIH Stage Model

- Behavioral intervention development composed of six stages:
  - Stage 0: Basic Science
  - Stage I: Intervention generation, refinement, modification, and adaptation and pilot testing
  - Stage II: Traditional efficacy testing
  - Stage III: Efficacy testing with real-world providers
  - Stage IV: Effectiveness Research
  - Stage V: Dissemination and Implementation Research

- Examination of **mechanisms of behavior change** at every stage
- **Consideration of ease and fidelity of implementation** as early as possible
- Ultimate goal to **produce highly potent and maximally implementable behavioral interventions**
- Movement across stages is often **not linear**
- **Experimental medicine approach**

https://www.nia.nih.gov/research/dbsr/nih-stage-model-behavioral-intervention-development
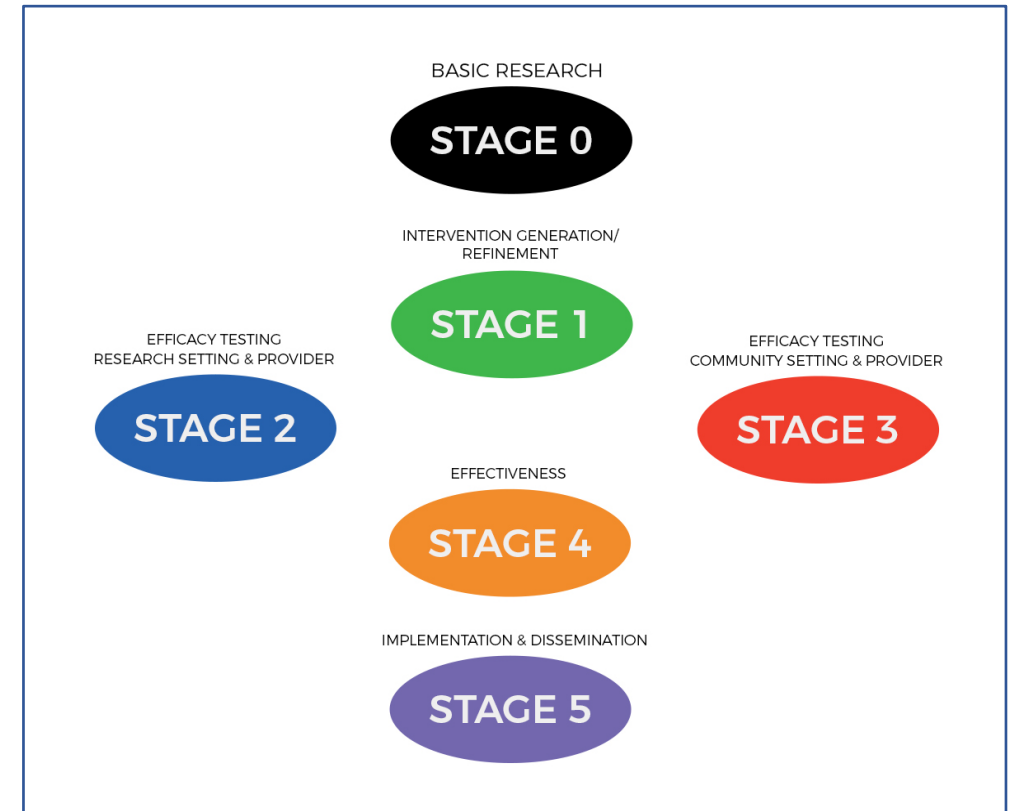
Onken, L., Carroll, K., Shoham, V., Cuthbert, B., & Riddle, M. (2014). Reenvisioning clinical science: Unifying the discipline to improve the public health. *Clinical Psychological Science*, *2*, 22–34.
Onken, L. (2022). Implementation Science at the National Institute on Aging: The Principles of It, *Public Policy & Aging Report*, *32*(1), 39-41.

NIA Data Resources

Educational Cohorts & Deeply-Phenotyped Longitudinal Studies Spanning the Life Course
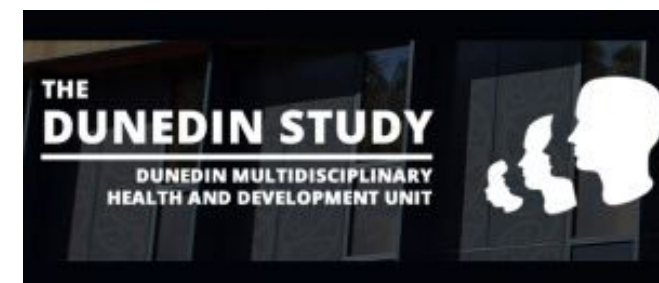

Add Health (U01AG071450)

The Dunedin Study

MIDUS

High School and Beyond

NSHAP

HRS studies conducted in over 40 countries covering >70% of people ages 60+ worldwide
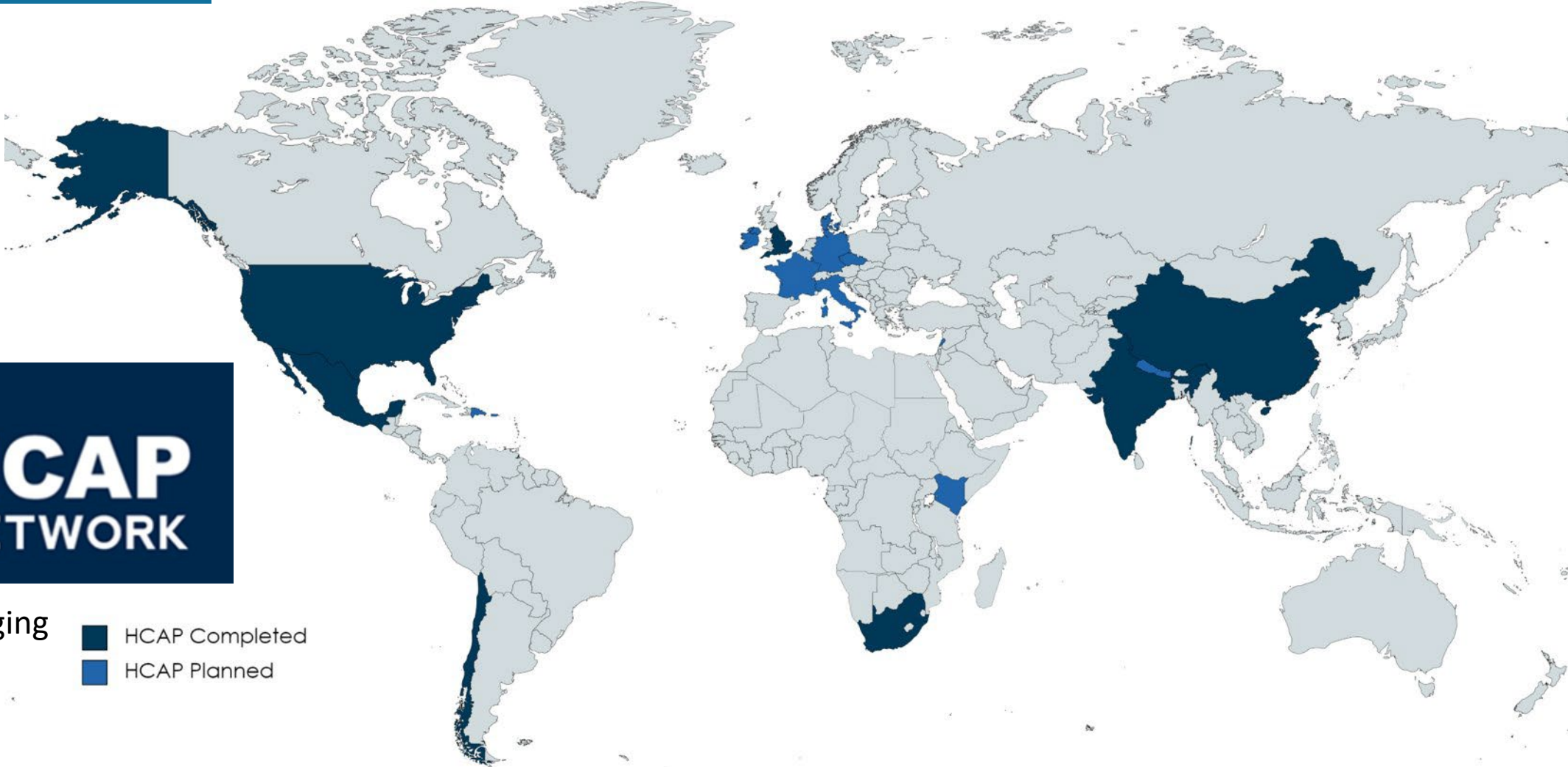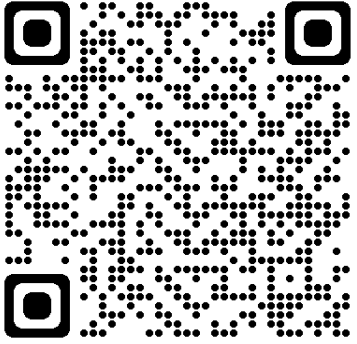
Gateway to Global Aging
https://g2aging.org/

HCAP Completed
HCAP Planned

Deeply Phenotyped Longitudinal Studies
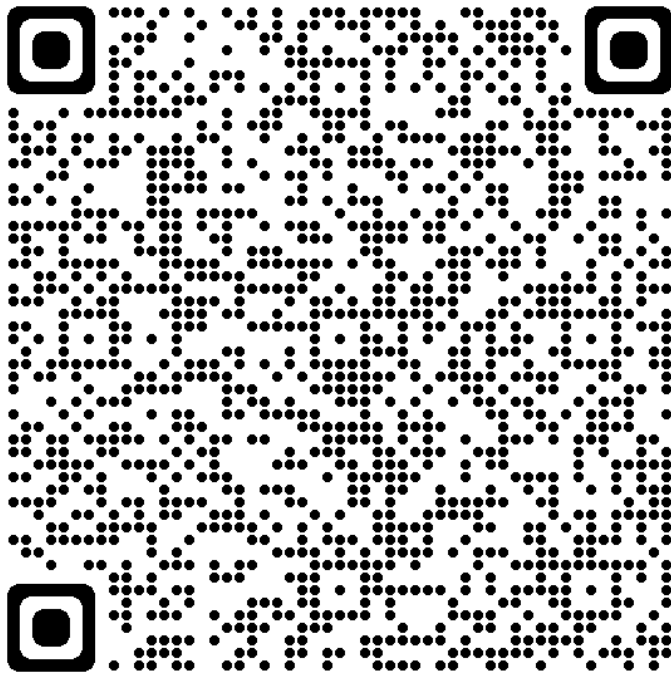
Appendix D: Examples of Deeply-Phenotyped Studies

Adult Health and Behavior Project (AHAB)

Add Health

Boston Early Adversity and Mortality Study (BEAMS)

Child Health and Development Study-Disparities in Aging Study (DISPAR Aging)

The Dunedin Study

Effects of Stress on Cognitive Aging, Physiology, and Emotion (ESCAPE)

Einstein Study of Aging

English Longitudinal Study of Ageing

Family Exchanges Study

The Harvard Study of Adult Development

The Health and Retirement Study

Midlife in the US (MIDUS)

Minnesota Longitudinal Study of Risk and Adaptation (MLSRA)

National Health & Aging Trends Study (NHATS)

National Health and Nutrition Examination Survey (NHANES)

Notre Dame Study of Health and Well-Being

Panel Study of Income Dynamics (PSID)

Personality and Health – A Longitudinal Study

St. Louis Personality & Aging Study (SPAN)
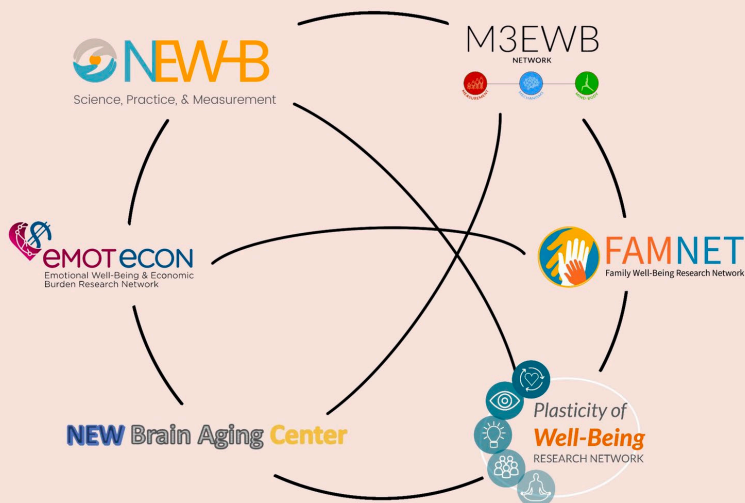
Veterans Affairs Normative Aging Study
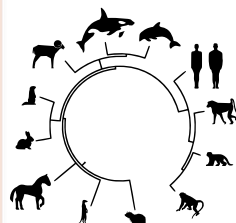
The Whitehall Study

Within-Family Differences Study

The Woodlawn Study

BSR Research Networks & Centers

https://www.nia.nih.gov/research/dbsr/behavioral-and-social-research-networks

Improving Data Accessibility and Use for NIA Grantees

NIA-CMS Data Policy Yields Cost Savings

- NIA issued a [Notice](#) in August 2021

- Policy reduces indirect data costs from grantees if purchasing $10K+ of CMS data

- NIA sends funds to CMS via IAA instead

- Between 2015 and 2021, NIA has experienced a 4-fold increase in CMS DUAs.

NIA Data Linkage Program (LINKAGE)

1. Provides technical assistance for obtaining CMS data
2. Delivers a CMS data linkage service to grantees
3. Provides an cloud-based enclave for analysis

- 30 NIA studies have been linked and 73 users/researchers have access to linked data (as of 2/13/23)

Funding at NIA

NIA Appropriations Fiscal Years 2013-2024
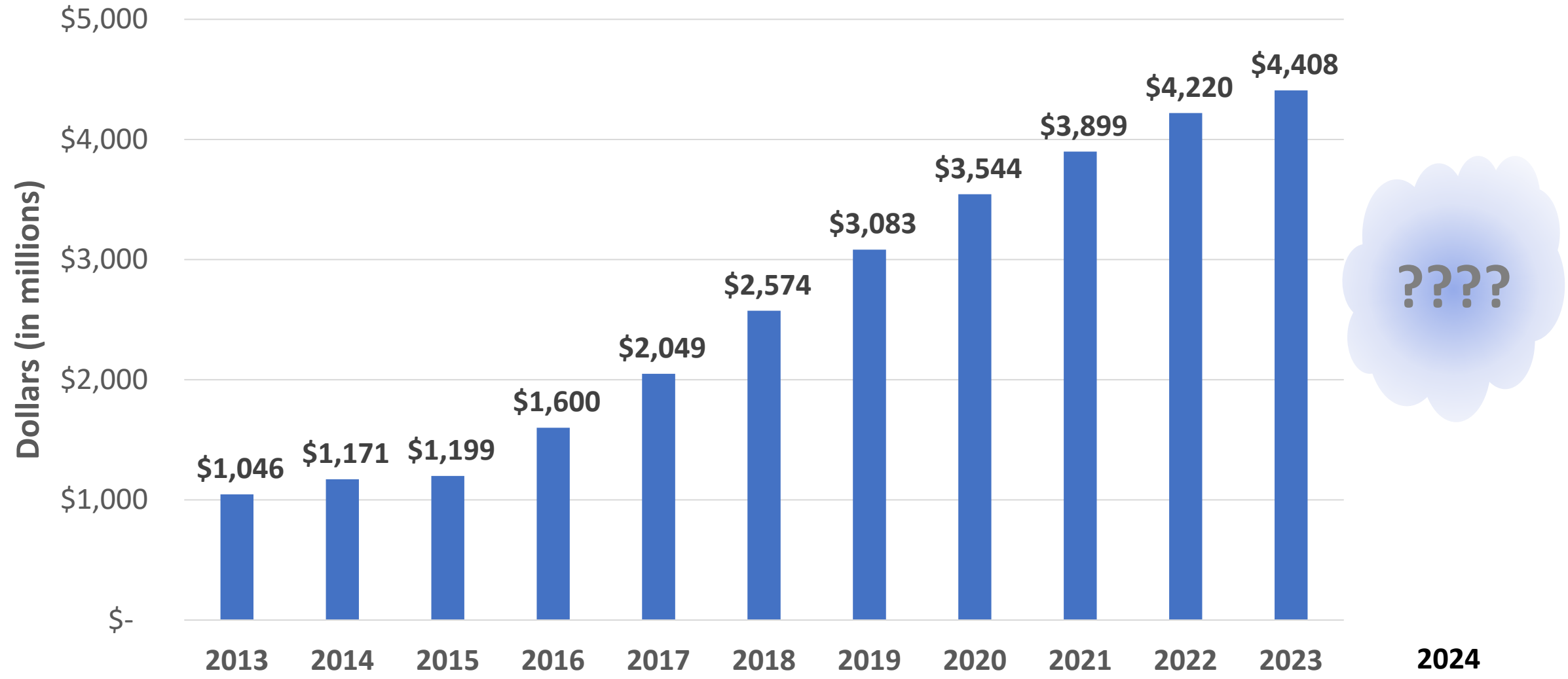
NIA Pay Lines are Publicly Available

CSR-reviewed Research Applications				
	General payline <500k	General payline >=$500k	AD/ADRD payline <$5M	AD/ADRD payline >=$5M
All (except below)	8%	5%	12%	10%
New Investigator R01	11%	8%	15%	13%
Early Stage Investigator R01	13%	10%	17%	15%

NIA-reviewed Research Applications		
	General pay line (non-ADRD)	ADRD pay line
Program Projects	10	12
Other	10	12
Career development	18	25
Fellowship	20	30

- Standard 16% cut to all R01-equivalent budgets in general payline (except NI/ESI)
- Some applications beyond the payline are paid; some within are not
- NOTE: These are INTERIM paylines

https://www.nia.nih.gov/research/grants-funding/nia-interim-funding-line-policy-fy-2024

Notices of Funding Opportunities (NOFOs; previously FOAs)
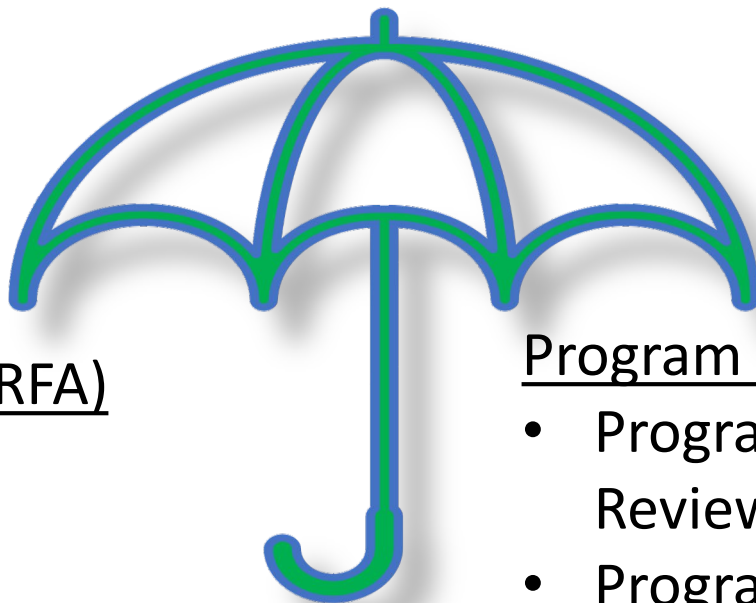
Request for Applications (RFA)
- One time solicitation
- Set-aside funds

Program Announcements (PA)
- Program Announcement w/ Special Review (PAR)
- Program Announcement w/ Set-aside (PAS)

Notice of Special Interest (NOSI)
- Linked to PAs
- Used to signal research priorities
- Points the applicant to an existing Program Announcement

https://www.nia.nih.gov/research/grants-funding/how-find-nia-funding-opportunities

Success Rates generally higher for RFAs

Research Project Grants: Success Rates of New (Type 1) Competing Applications for Targeted and Untargeted Research by Institute or Center (IC)

NIA

https://report.nih.gov/nihdatabook/category/10
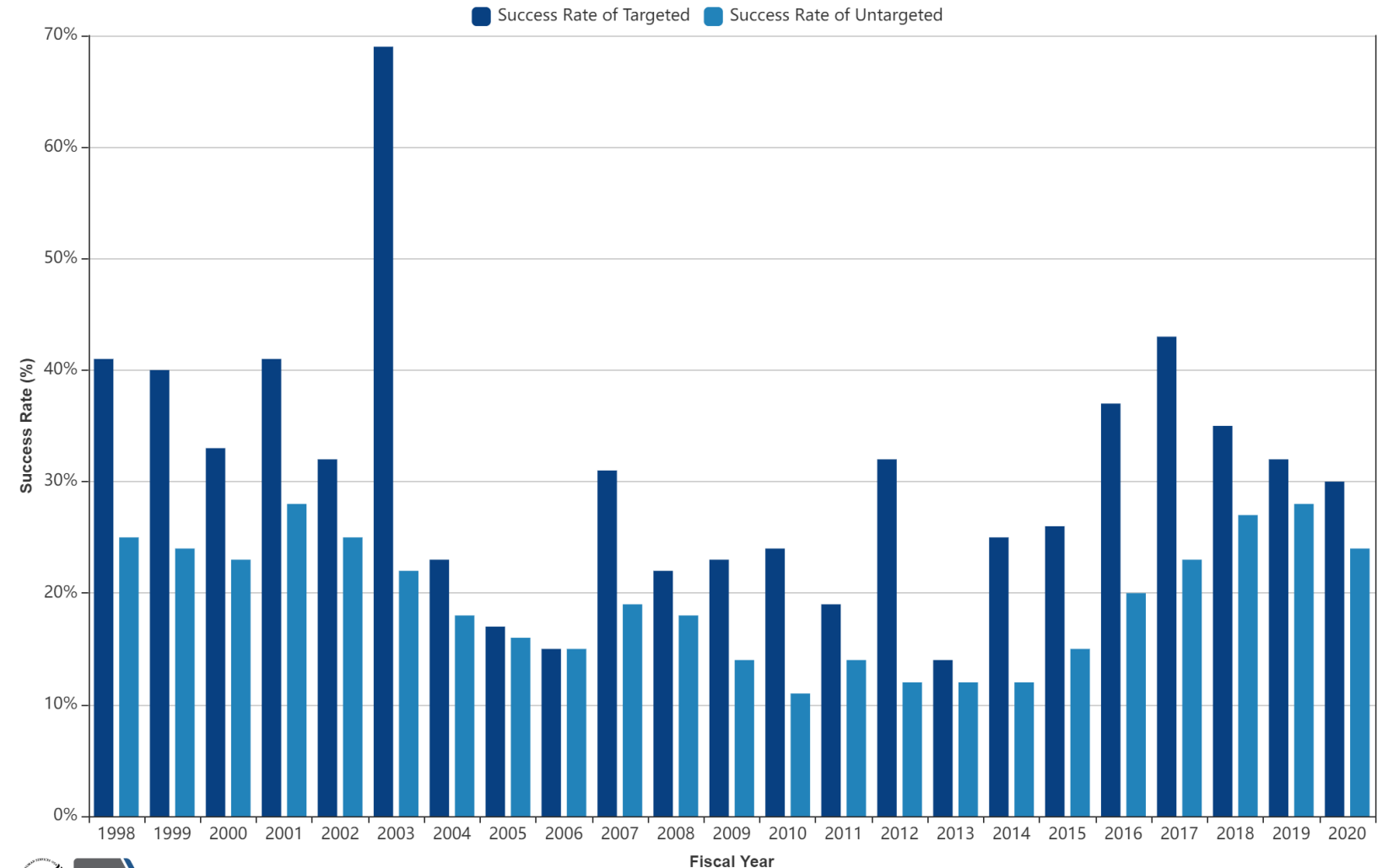
NIA Concept Approval

- Concepts are approved at the National Advisory Council on Aging (NACA) Meetings

- Approved concepts here to give interested researchers maximal lead time to plan projects.

- Note: not all concepts will necessarily end up converting to a Notice of Funding Opportunity

Selected BSR AD/ADRD Funding Opportunities & NOSIs

FOA Number	Title	Expiration Date
PAR-22-093	Research on Current Topics in Alzheimer's Disease and Its Related Dementias (R01 Clinical Trial Optional)	11/13/2024
PAR-22-094	Research on Current Topics in Alzheimer's Disease and Its Related Dementias (R21 Clinical Trial Optional)	11/13/2024
NOT-AG-21-050	Notice of Special Interest (NOSI): Sex and Gender Differences in Alzheimer's Disease and Alzheimer's Disease-Related Dementias (AD/ADRD)	11/13/2024
NOT-AG-21-049	Notice of Special Interest (NOSI): Dementia Care Workforce for Those Living with Alzheimer's Disease and Alzheimer's Disease-Related Dementias (AD/ADRD)	11/13/2024
NOT-AG-21-048	Notice of Special Interest (NOSI): Digital Technology for Early Detection and Monitoring of Alzheimer's Disease and Related Dementias	11/13/2024
NOT-AG-21-047	Notice of Special Interest (NOSI): Behavioral and Social Science Priority Areas in Dementia Care Partner/Caregiver Research	11/13/2024
NOT-AG-21-046	Notice of Special Interest (NOSI): Dementia Care Research: Programs and services for persons with dementia	11/13/2024
NOT-AG-21-045	Notice of Special Interest (NOSI): Opportunities for Research in Epidemiology of Alzheimer's Disease and Alzheimer's Disease-Related Dementias (AD/ADRD) and Cognitive Resilience	11/13/2024
NOT-AG-21-035	Notice of Special Interest: Collaborative Studies on Alzheimer's Disease and Alzheimer's Disease-Related Dementias (AD/ADRD)	11/13/2024
NOT-AG-21-033	Notice of Special Interest: Health Disparities and Alzheimer's Disease	11/13/2024

See our BSR Website for a full list of Funding Opportunities and Applicant Resources

Selected BSR Funding Opportunities & NOSIs

NOFO Number	Title	Expiration
RFA-AG-25-002	Consortium for Palliative Care Research Across the Lifespan (U54 Clinical Trial Optional)	7/2/2024
RFA-AG-25-005	Open Measurement Coordinating Network for Non-Pharmacological Alzheimer's Disease (AD) and AD-Related Dementias (ADRD) Primary Prevention Trials (U24 Clinical Trial Not Allowed)	6/15/2024
NOT-AG-23-080	Notice of Intent to Publish a Funding Opportunity Announcement for Deriving Common Data Elements from Real-World Data for Alzheimer's Disease (AD) and AD-Related Dementias (ADRD) (U24 Clinical Trial Not Allowed)	N/A
PAR-23-179	Small Research Grant Program for the Next Generation of Researchers in AD/ADRD Research (R03 Clinical Trial Optional)	3/17/2026
PAR-22-105	Dissemination and Implementation Research in Health (R01 Clinical Trial Optional)	5/8/2025
PAR-21-360	Pilot Studies for the Spectrum of Alzheimer's Disease/Alzheimer's Disease-Related Dementias and Age-Related Cognitive Decline (R61 Clinical Trial Optional)	1/8/2025
PAR-21-359	Early and Late Stage Clinical Trials for the Spectrum of Alzheimer's Disease/Alzheimer's Related Dementias and Age-Related Cognitive Decline (R01 Clinical Trial Optional)	1/8/2025
PAR-22-362	NIA Renewal and Competing Revision Cooperative Agreements in Aging Research (U01 Clinical Trial Optional)	10/2/2024
PAR-22-077	NIA Renewal and Revision Cooperative Agreements in AD/ADRD Research (U54 Clinical Trial Optional)	10/18/2024

Connect with NIA/BSR

- Contact a Program Officer: [BSR Staff Listing](#)

- Check out our [Workshop Reports](#)

- Review active [Funding Opportunity Announcements](#)

- Explore our [Networks](#) and [Centers Programs](#)

- Learn about [BSR's AD/ADRD Areas of Emphasis](#)

- Explore our [Data Resources](#)

- Follow us [@ NIA_BSR on Twitter](#)

- BSR E-Newsletter: Updates on FOAs, webinars, and opportunities to engage with NIA and the research community niabsrcomms@mail.nih.gov

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National Institute on Aging – NIH

National Institute on Aging

NIH Guide for Grants and Contracts

https://grants.nih.gov/grants/guide/listserv.htm