

Alzheimer's Disease and Related Dementias Research: Policy and Program Updates

2024 Spring ADRC Meeting

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NIA's 50th Anniversary

- 2024 marks the **50th anniversary** of the National Institute on Aging
- Since 1974, NIA has led **broad scientific efforts** to understand the **nature of aging** and to extend the **healthy, active years** of life
- Learn about **major milestones** in NIA's history:
www.nia.nih.gov/50years



To celebrate, NIA is conducting a series of activities throughout 2024 to **highlight progress** over the past 50 years and to **inspire future generations** of aging researchers.

Budget and Spending Updates

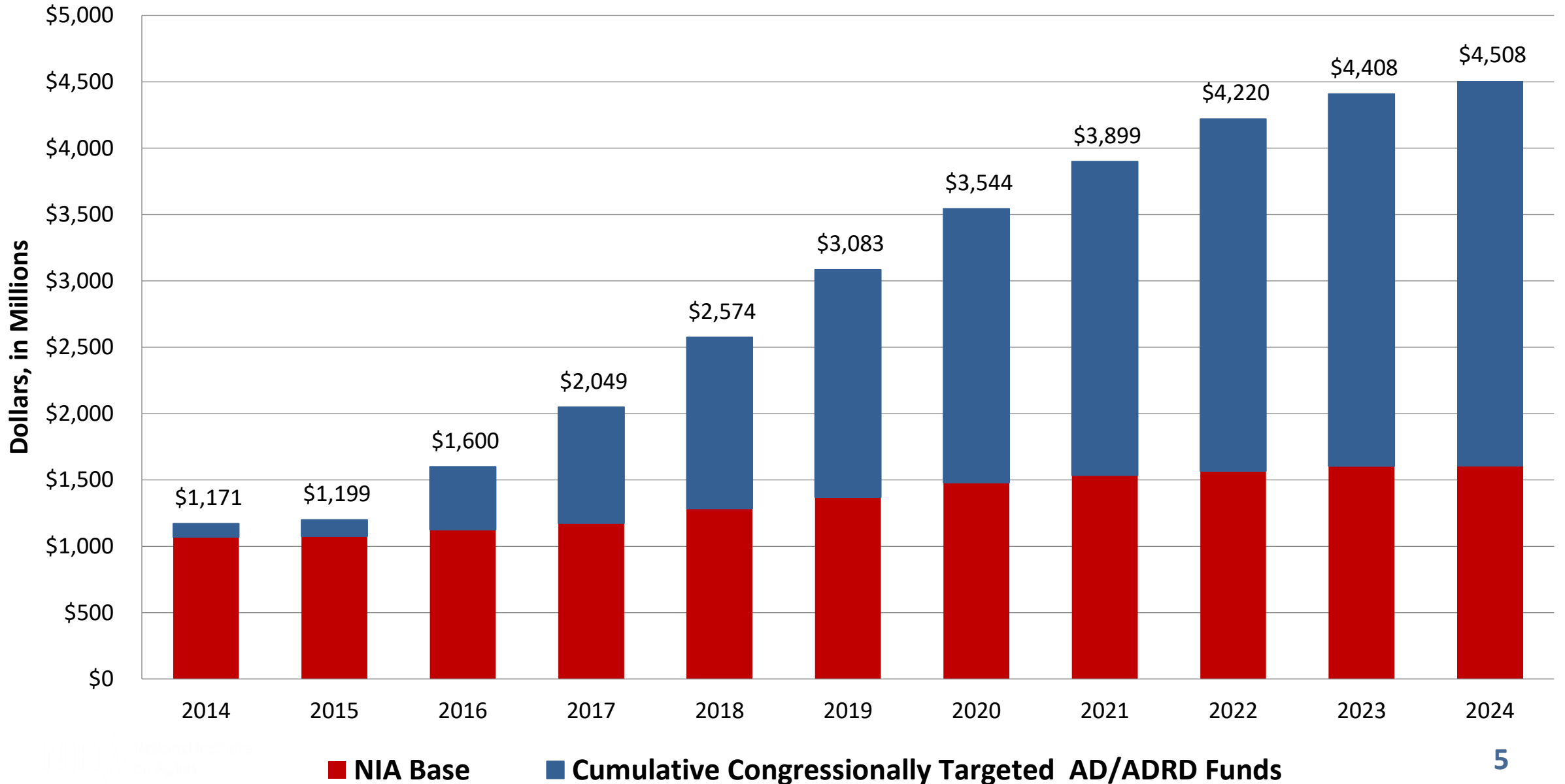
FY 2024 Budget: Funding in Key Areas

\$48.6 Billion for the National Institutes of Health

- **Provides \$4.51B for the National Institute on Aging**
- **Increases AD/ADRD funding by \$100M**
 - **\$90M to NIA, \$10M to NINDS**
- **Includes \$12.5M for palliative care research**

NIA Appropriations

Fiscal Years 2014-2024



Current Allocations for Competing Research Grant Awards, FY 2024

CSR-Reviewed Research Applications (Percentile Based)				
	General Payline, <\$500K	General Payline, ≥\$500K	AD/ADRD Payline, <\$5M	AD/ADRD Payline ≥\$5M
All applications; except below	16%	13%	17%	14%
N.I. R01s	19%	16%	20%	17%
E.S.I. R01s	21%	18%	22%	19%

New Investigator (N.I.): An applicant who has not received a prior R01 award or its equivalent.

Early-Stage Investigator (E.S.I.): A new investigator who is within 10 years of finishing research training.

AD/ADRD: Research on Alzheimer's disease and Alzheimer's disease-related dementias.

Current Pay Lines, FY 2024

NIA-Reviewed Applications (Overall Impact Score Based)		
	General Payline	AD/ADRD Payline
Program projects	25	25
Other NIA-reviewed research	25	25
Career development awards	22	30
Fellowship awards	30	35

NIA Research Updates and Planning

Recent AD/ADRD Cleared Concepts From NACA Meetings

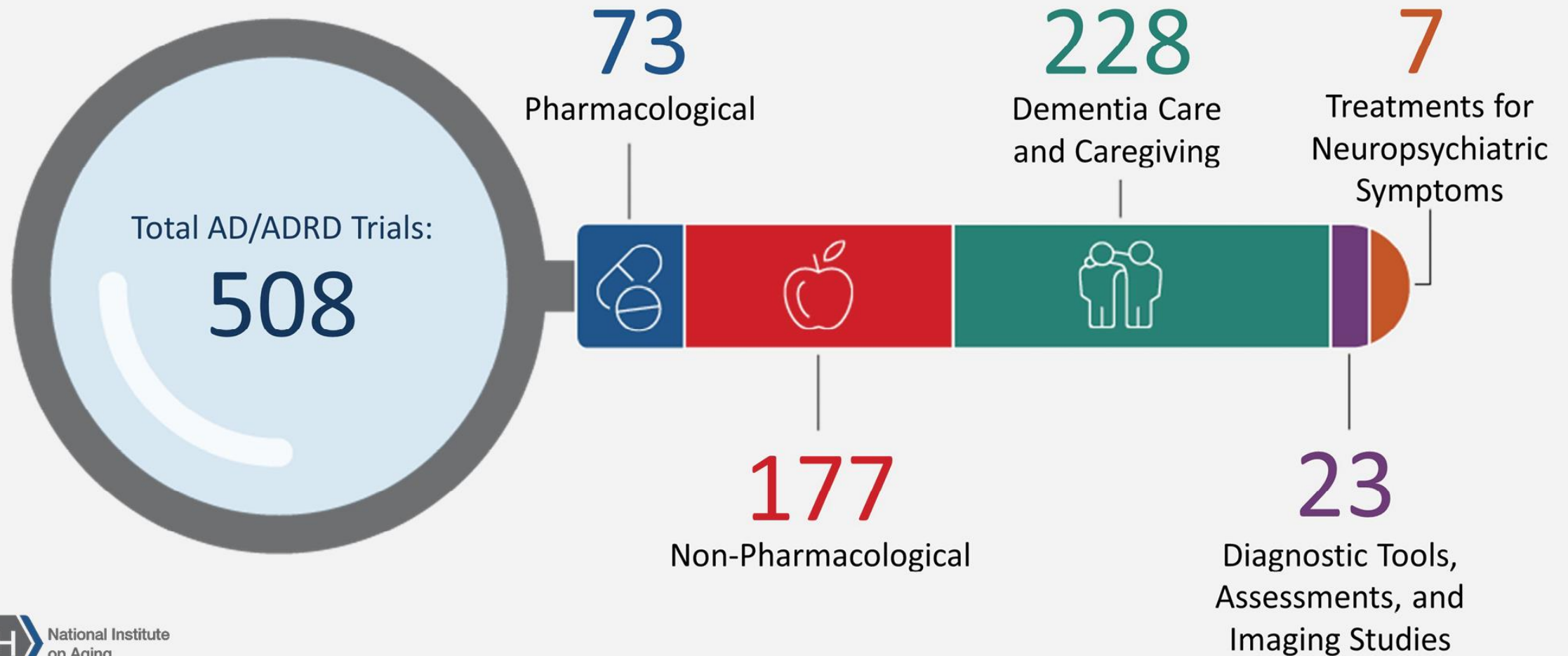
Approved concepts indicate areas of special interest for NIA and often evolve into funding opportunity announcements to spur activity in given areas of research.

Select Concepts from January 2024 Council:

- Access and Manipulation of Brain Cell Subtypes Implicated in Aging and AD/ADRD
- Alzheimer's Drug Development Program (Renewal)
- Deciphering the Impact of RNA Modifications on Brain Aging and AD/ADRD
- Investigating Mitochondrial-Nuclear Communication in Brain Aging and AD/ADRD



Total Active NIA AD/ADRD Clinical Trials



Active NIA AD/ADRD Clinical Trials



Pharmacological

73
TRIALS



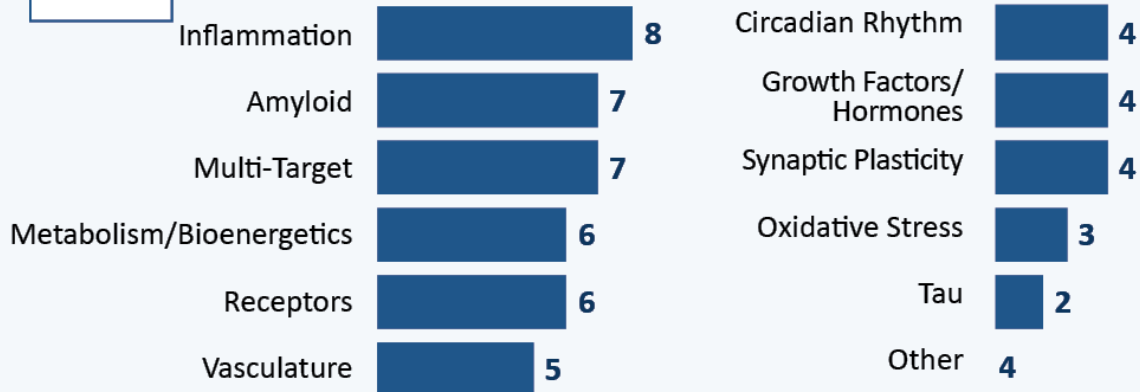
Non-Pharmacological

177
TRIALS

60
trials

Phase I & Phase II

Targeted Disease Process



13
trials

Phase II/III & Phase III

Targeted Disease Process



Modality



For more information please visit
www.nia.nih.gov/research/ongoing-AD-trials



Data last updated: December 2023.



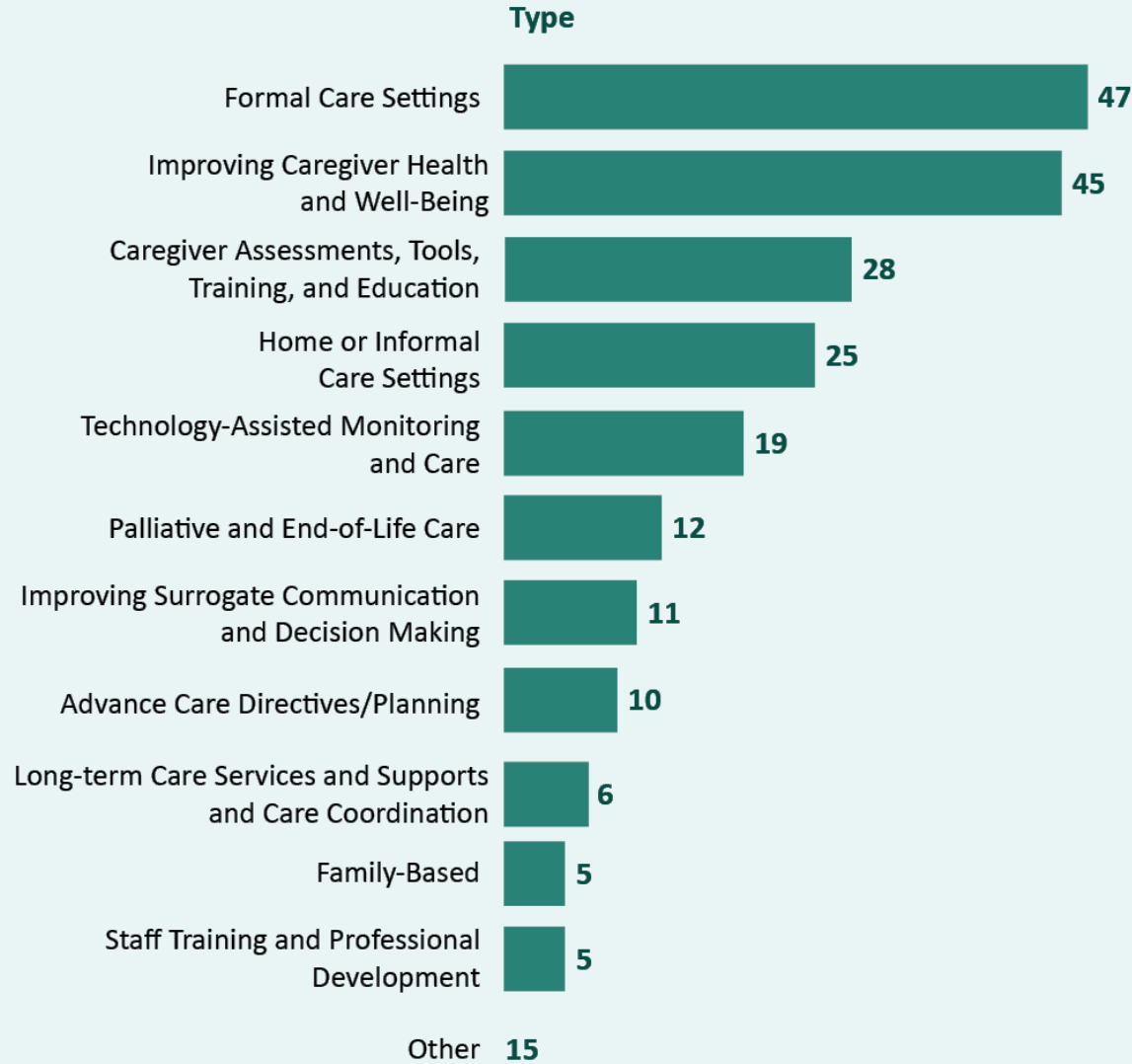
Dementia Care and Caregiving

228 TRIALS



Diagnostic Tools, Assessments, & Imaging Studies

23 TRIALS



Treatments for Neuropsychiatric Symptoms

7 TRIALS

Non-Pharmacological 4

Pharmacological 3



Total Number of Trials

508

For more information please visit www.nia.nih.gov/research/ongoing-AD-trials



Data last updated: December 2023.

NIA Small Business Programs

Grant Funding to Translate Aging Research into Innovative Solutions (~\$150M Awarded Annually)

Small Business Innovation Research (SBIR) Program: Set-aside program for small businesses to engage in federal R&D — with potential for commercialization

Small Business Technology Transfer (STTR) Program: Set-aside program to facilitate cooperative R&D between small businesses and U.S. research institutions — with potential for commercialization

Training and Resources for Transitioning from Researcher to Entrepreneur (\$660K in Cash Prizes Awarded in 2022-2023)

NIA Start-Up Challenge and Accelerator

A challenge competition for researchers and aspiring entrepreneurs to accelerate the development of aging-related innovations. Provides mentorship and awards cash prizes. Next NIA Start-Up Challenge opportunity expected to open in late 2024.



Expanding Efforts Towards Health Equity

NIA's Commitment to Diversity, Equity, Inclusion, and Accessibility

- NIA is deeply committed to supporting and conducting research on aging that improves the health and well-being of **all people**.
- NIA **prioritizes the advancement of science that appropriately represents, in terms of race, ethnicity, sex, age, and comorbidity**, the population affected by the condition being studied.
- NIA will prioritize funding requests with proposed planned enrollment that are:
 - **Representative of the population affected by the disease, condition, or health experience;**
 - **Appropriately inclusive** of racial and ethnic groups; participants across the lifespan; as well as other populations experiencing health disparities.



New Awaiting Receipt of Application (ARA) Policy: Inclusion of Underrepresented Populations

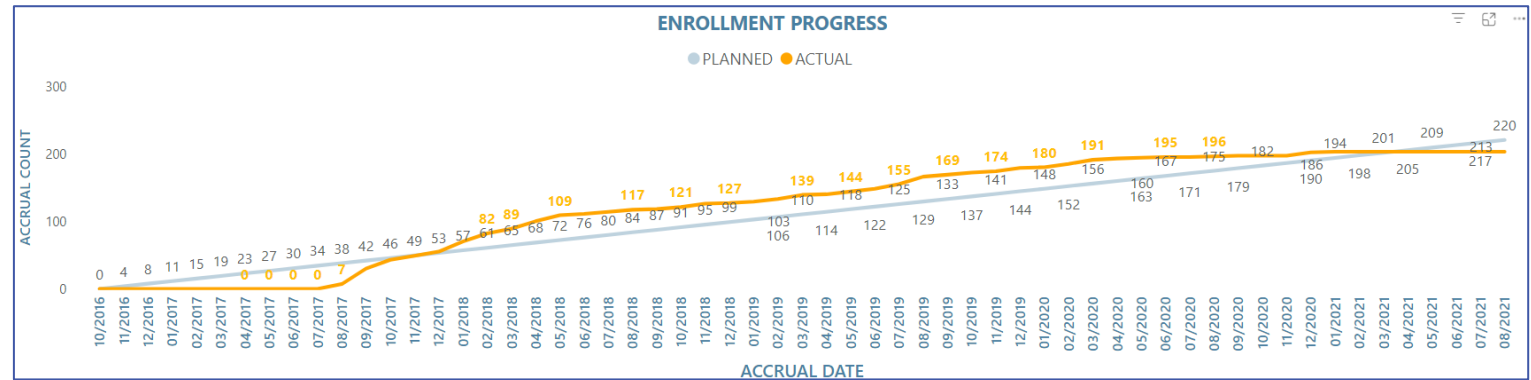
- NIH requires investigators to seek prior approval, in the form of an Awaiting Receipt of Application (ARA), to submit a grant application with direct costs \geq \$500,000 in any one year.
- A new NIA ARA policy includes increased scrutiny with respect to the **inclusion of underrepresented populations** in NIA clinical studies.
- **NIA will prioritize ARA requests that:**
 - 1) **include proposed planned enrollment tables representative of the population affected** by the disease/condition, and
 - 2) **are appropriately inclusive** of racial and ethnic minority groups; participants across the lifespan; as well as other populations experiencing health disparities, including sexual and gender minority or socioeconomically disadvantaged populations.

Ensuring Clinical Research Meet Enrollment Goals

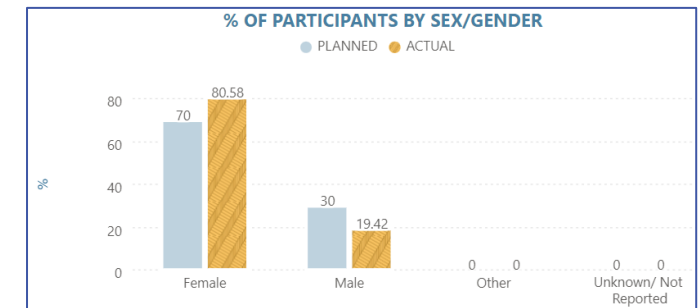
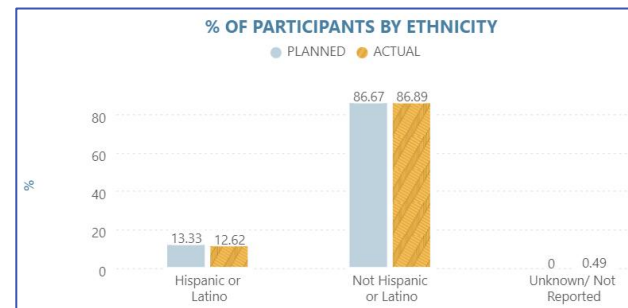
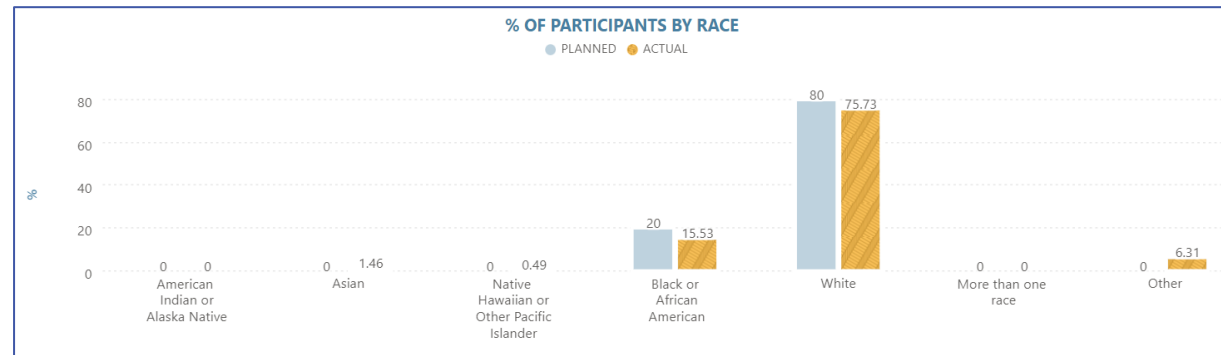
- In 2021, NIA launched the [Clinical Research Operations & Management System \(CROMS\)](#) to provide NIA staff and grantees with near real-time tracking, reporting, and management of clinical research enrollment data, study documents, and activities.
- NIA can use this data to **proactively identify studies** that are at risk of not meeting planned enrollment targets and **design corrective action plans** to improve trial recruitment.

NIA's Actions to Monitor Clinical Trial Enrollment


- NIA's Clinical Research Operations & Management System (CROMS) is a cutting-edge, integrated cloud-based informatics system to **collect, manage, and analyze clinical trial data**, at the individual trial level and group/portfolio level

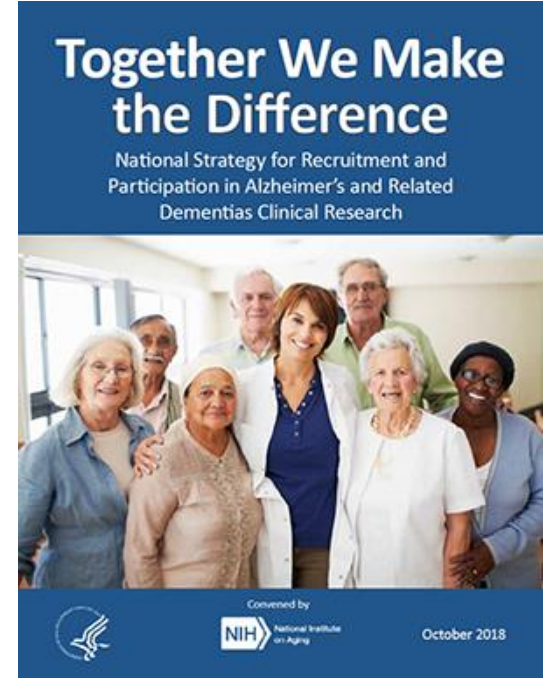


- Allows NIA staff and trialists to **monitor enrollment data and take action to increase participation** of individuals from diverse backgrounds and meet planned enrollment rates and goals



NIA Resources for Recruitment of Diverse Participants for Clinical Trials

- **National Strategy for Recruitment and Participation in Alzheimer's and Related Dementias Clinical Research**- focuses on the pressing need for increased participation in research studies, with a specific emphasis on inclusion of individuals from diverse backgrounds
- **Alzheimer's and Dementia Outreach, Recruitment, and Engagement (ADORE)**- online, searchable database of resources for engagement, recruitment, and retention of study participants into clinical trials and studies on AD/ADRD
 <https://www.nia.nih.gov/research/adore>
- **Outreach Pro**- recently launched tool to enable health care professionals to more easily produce and brand tailored clinical trial recruitment materials and strategies
OUTREACHPRO <https://outreachpro.nia.nih.gov/>



NIA's Comprehensive Focus on Diversity, Equity, Inclusion, and Accessibility

FOCUS AREA 1: Workplace Climate



Foster a culture of inclusive excellence across NIA, applying a DEIA lens to all that we do within the institute.

FOCUS AREA 2: Internal Workforce



Cultivate DEIA among employees within NIA through efforts across the talent lifecycle.

FOCUS AREA 3: External Workforce



Enhance the diversity of perspectives among the external scientific workforce supported by NIA.

FOCUS AREA 4: Health Research



Integrate DEIA into aging research to improve health and reduce health disparities.

NIA Upcoming Events

Save the Date:

2024 NIH Alzheimer's Disease Research Summit



**National Institute
on Aging**

**2024 NIH Alzheimer's Disease Research
Summit: Path to Precision Medicine for
Treatment and Prevention**

September 23-25, 2024

Join Us in Celebrating NIA's 50 Years of Progress!

- Learn about **current research and future projects** via the Inside NIA blog
- Explore and **share training and career development** opportunities to advance aging research careers
- Read and share aging research career stories from NIA staff and grantees on NIA's **X** and **LinkedIn**
- Post about your aging research journey on social media (hashtag **#NIAWhereResearchComesOfAge**)



Learn more at www.nia.nih.gov/50years.

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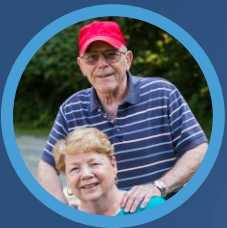
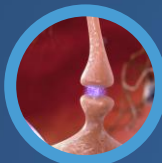
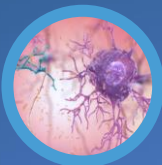


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The Leader in Aging Research



Thank you