

Federal Updates

- ASPE
- CDC
- IHS
- NIH

CDC updates

LISA C. MCGUIRE, PHD



Centers for Disease Control and Prevention

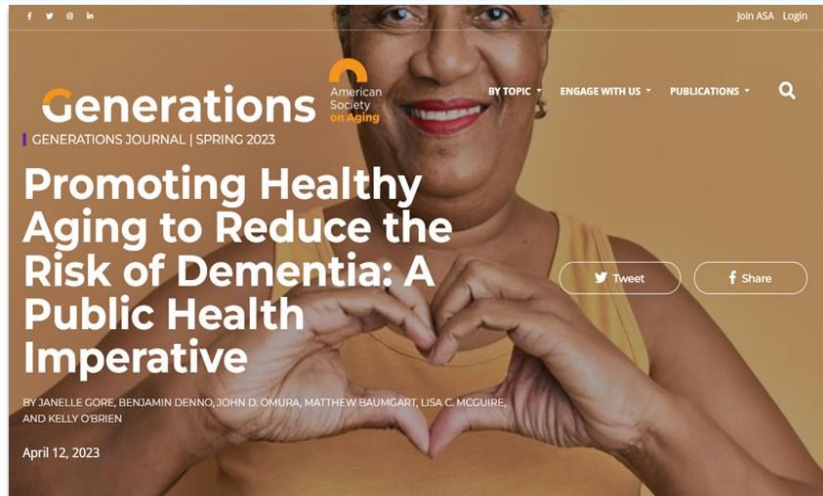
National Center for Chronic Disease Prevention and Health Promotion



Division of Population Health

Presented May 8, 2023, to National Alzheimer's Project Act (NAPA) Advisory Council Quarterly Meeting

NEW PUBLICATIONS



<https://generations.asaging.org/promoting-healthy-aging-reduce-risk-dementia>
<https://generations.asaging.org/Spring-2023>

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Using 2015-2020 BRFSS data, this CDC study published in March 2023 MMWR found that...

- 10% of adults older than 45 years reported SCD in the last year
- SCD prevalence decreased with increasing educational attainment
- Fewer than half of adults with SCD had talked about their concerns with a health care provider

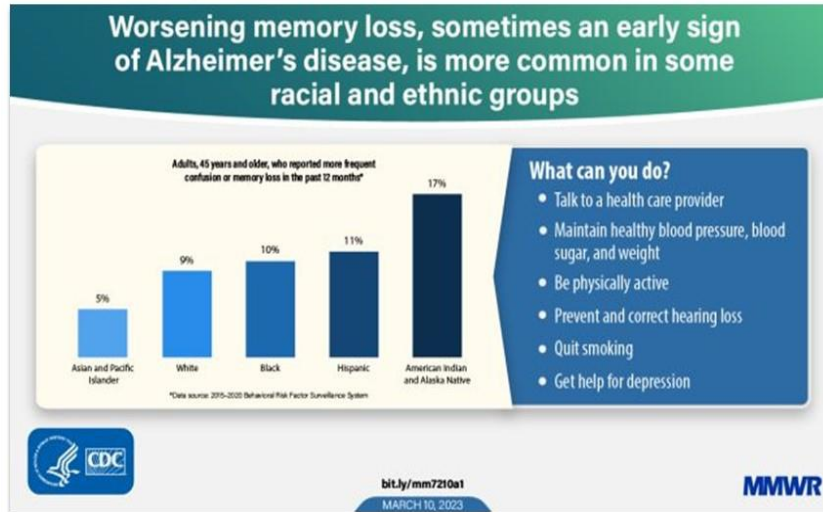
Wooten KG, McGuire LC, Olivari BS, Jackson EM, Craft JB. Racial and Ethnic Differences in Subjective Cognitive Decline—United States, 2015–2020. MMWR Morb Mortal Wkly Rep 2023; 72:249–255. <http://dx.doi.org/10.15585/mmwr.mm7210a1>.

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Racial and Ethnic Differences in Subjective Cognitive Decline —
 United States, 2015–2020

Karen G. Wilson, MA¹, Lisa C. McGee, PhD², Benjamin S. Obici, MPH³, Eva M. J. Jackson, MPH⁴, Janet R. Cook, PhD⁵



https://www.cdc.gov/mmwr/volumes/72/wr/mm7210a1.htm?s_cid=mm7210a1_w

Dementia Risk Reduction Summit

May 16-17, 2023
 Atlanta, GA



ALZHEIMER'S ASSOCIATION

Dementia Risk Reduction Summit

A conference for diverse public health professionals focused on Alzheimer's and dementia risk reduction.

About the Dementia Risk Reduction Summit

As the number of people with Alzheimer's and other dementias tripled in the last decade, the need for effective public health risk reduction strategies that reach all communities grows larger by the day. The first-ever Dementia Risk Reduction Summit will explore how public health can address the risk factors for cognitive decline and dementia across the public health prevention spectrum from working in partnership with health systems to addressing community education and workplace practices.

The conference is sponsored by the Alzheimer's Association's Public Health Center of Excellence on Dementia Risk Reduction in partnership with the Centers for Disease Control and Prevention.

Public Health and Dementia Risk Reduction Topics

The Summit will identify what public health agencies at the state, local and tribal level can do to address dementia risk factors across the public health prevention spectrum. Sessions will focus on how public health can act to address modifiable risk factors and social determinants of health for dementia:

- Strengthening individual knowledge and skill
- Promoting community education
- Educating health systems and providers
- Fostering inclusion and partnerships
- Changing organizational practice
- Influencing policy and legislation

These topics represent a continuum of programs from building individual knowledge to helping to shape public policy.

Session Topics:

- Strengthening individual knowledge and skill.
- Promoting community education.
- Educating health systems and providers.
- Fostering coalitions and partnerships.
- Changing organizational practice.
- Influencing policy and legislation.

[View Agenda](#)

[Submit Input](#)



NEW NOFO

CDC-RFA-DP23-0010



BOLD Public Health Programs to Address Alzheimer's Disease and Related Dementias

- Fulfills the BOLD Infrastructure for Alzheimer's Act (P.L. 115-406)
- This NOFO will fund state, local, and tribal public health departments

5-year awards (approx. 35 awards)

2 Components:

- Component 1
 - Phase 1 – Planning (years 1 -2)
 - Phase 2 – Implementation (years 3 - 5)
- Component 2 – Implementation (years 1-5)

For more information about the program and link to the NOFO at Grants.gov
<https://www.cdc.gov/aging/funding/php/2023.html>



NEW NOFO

CDC-RFA-DP23-0010

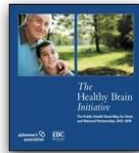


53 applications received!





Public health strategies to promote brain health, address dementia, and help support caregivers



NEW--STATE AND LOCAL ROAD MAP-- COMING SUMMER 2023!



www.cdc.gov/aging

Road Map for Indian Country: Update

Road Map for Indian Country strategies aim to improve health and well-being in tribal communities, address cognitive impairment, and help support caregivers of people living with dementia.

Use the link/QR code to access and share:

- Interest form – Use the QR code or [link](#) to share interest form with tribal nations or organizations if they have used the Road Map for Indian Country or are interested in being a part of the update process
- Updates – Road Map for Indian Country process updates will be posted on the website alz.org/PublicHealthIndianCountry





Updated Infographics



<https://www.cdc.gov/aging/data/index.htm>

The Data for Action Project

Using Brain Health Data to Drive Momentum in Public Health

- Aims to integrate BRFSS and other data on caregiving and cognitive decline into public health improvement planning
- Supports public health action through peer sharing, education, technical assistance, and national dissemination



First Cohort (2023)

**Arkansas
Connecticut
Illinois
New Jersey**



Healthy Brain Resource Center



The **Healthy Brain Resource Center (HBRC)** is a one-stop, easy-to-navigate website that helps users find credible information and materials to support implementing the Healthy Brain Initiative Road Map.

The HBRC currently features over 150 publicly available resources and will continue to be updated with new content regularly.

- CDC-verified resources and information all in one location.
- Robust search functions to quickly access information.
- A [user manual](#) and [orientation video](#) provide guidance on how to use the HBRC.
- Rolling content [submissions](#) accepted



New Partner Resources: IA²



<https://iasquared.org/resources/help-reduce-your-risks-of-dementia/>



<https://iasquared.org/resources/healthy-food-healthy-brain-rack-card-series/>

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Centers for Disease Control and Prevention

National Center for Chronic Disease Prevention and Health Promotion

Division of Population Health
The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.



INDIAN HEALTH SERVICE

The IHS Alzheimer's Grant Program

Division of Clinical and Community Services
Office of Clinical and Preventive Services
Indian Health Service

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NAPA Advisory Council Federal Update

May 8, 2023

IHS Alzheimer's Grant Program



Funding:

FY 2021: \$5M
FY 2022: \$5.5M
FY2023: \$5.5M

GRANTS and Program Awards Addressing Dementia in Indian Country: Models of Care

“...to support the development of models of comprehensive and sustainable dementia care and services in Tribal and Urban Indian communities that are responsive to the needs of persons living with dementia and their caregivers.”

2023

- 2023 Notice of Funding Opportunities (NOFO) announced March 29
- 2023 Program Awards (federal programs) announced April 6

2022 Awardees

- The Indian Health Board of Minneapolis, Inc.
- The Indian Health Council, Inc.
- The Nez Perce Tribal Health Authority
- The Northern Valley Indian Health

In-person meeting of IHS Grantees and ACL ADPI Tribal Grantees and the CDC BOLD grantee Northwest Portland Area Indian Health Board on April 11 and 12 at the ACL AI/AN/NH Title VI Director's meeting to connect and share vision, experience, resources.

2023 Funding Opportunities

Cooperative Agreements

- Funding Announcement Number: [HHS-2023-IHS-ALZ-0001](#)
- Eligibility: Tribes, Tribal Organizations, and Urban Indian Organizations. *Cannot be an existing Dementia program awardee*
- Federal Register Publication: [Addressing Dementia in Indian Country: Models of Care](#)
- Funding Amount: Awards of between \$100,000 and \$200,000 per year for 2 years
- Anticipate 6 awards
- Application period end date: June 27, 2023

Program Awards

- Eligibility: IHS Service Units working in partnership with the Tribe(s) and Nations that they serve under the condition that the Tribe(s) or Nations served by the IHS Service Unit have elected not to apply for a Cooperative Agreement (above)
- Application Materials: [Program Award Information & Fillable Application Template](#)
- 2 options for funding
 - 1) Comprehensive Model of Care: Up to \$200,000 per year for two years
 - 2) Programs and Services: Up to \$50,000 per year for two years
- Anticipate up to \$600,000 in awards
- Application period end date: June 12, 2023

Upcoming ECHO Programs

Northwest Portland Area Indian Health Board (NPAIHB) Indian Country ECHO Program *Funded by the IHS Alzheimer's Grant Program*

Indian Country Dementia Clinical ECHO

- First session May 11, 2023 from 11am-12pm PT, and
- Continuing regularly the 2nd Thursday of each month at 11am PT
- Case-based learning to strengthen Primary Care knowledge and confidence to
 - Detect Cognitive Impairment
 - Diagnose Alzheimer's disease and related dementias
 - Manage care for American Indian and Alaska Native people living with dementia and their caregivers

Indian Country Dementia Caregiver Support ECHO

- First session June 22nd from 11am-12pm PT, and
- Continuing regularly on the 4th Thursday of every month at 11am PT
- Training and mentorship for Indian Health staff providing coaching and support for caregivers.
- Certificates of Completion will be provided.

Education & Training

Indian Health Geriatric Scholars Pilot

- 15 Scholars from 10 IHS, Tribal, and Urban programs
- Completing local improvement efforts in dementia detection and/or diagnosis (9), medication management (3), falls (1)
- Developing practicum/mentorship to support next steps in local improvement
- 2023 Geriatric Scholars recruitment in early summer

Early Dementia Detection Initiative in Dental Clinics

- Fifth month of the IHS Department of Oral Health pilot with 5 IHS/Tribal programs integrating dementia detection into care

Geriatric ED Accreditation Initiative – IHS Division of Nursing

(Collaboration with ACEP, funding from the John A. Hartford and West Foundations)

- 8 IHS and Tribal EDs accredited, 1 application in review

VA Geriatric Scholars Program (VA Office of Rural Health)

- Provided **Rural Interdisciplinary Team Training (RITT)** and the **Addressing Behavioral Challenges in Dementia (ABCD)** Program to United Indian Health Services and the Lower Elwha Health Clinic in March



For More Info

The IHS Alzheimer's Grant Program

- www.ihs.gov/alzheimers/

2023 Alzheimer's Grant Program funding opportunities

- www.ihs.gov/alzheimers/fundingopp/2023fundingopp/

Education and training resources and opportunities

- www.ihs.gov/alzheimers/alztraining/

Dementia information and links

- www.ihs.gov/alzheimers/informationresources/alzdementiareources/

Stay Connected and join the [IHS Elder Care Listserv](https://www.ihs.gov/alzheimers/) at www.ihs.gov/alzheimers/

Alzheimer's Disease and Related Dementias Research Update

Advisory Council on Alzheimer's Research, Care, and Services Meeting

Richard J. Hodes, M.D.
Director, NIA
May 8, 2023

Spending Updates

AD/ADRD Spending at NIH

Research/Disease Areas	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Difference – FY 2015 to FY 2022
AD/ADRD ¹	\$631	\$986	\$1,423	\$1,911	\$2,398	\$2,869	\$3,251	\$3,514	5.6-fold increase
Alzheimer's Disease (AD)	\$589	\$929	\$1,361	\$1,789	\$2,240	\$2,683	\$3,059	\$3,314	5.6-fold increase
Alzheimer's Disease Related Dementias (ADRD) ^{2,3}	\$120	\$175	\$249	\$387	\$515	\$600	\$725	\$730	6.1-fold increase
Lewy Body Dementia	\$15	\$22	\$31	\$38	\$66	\$84	\$113	\$118	7.9-fold increase
Frontotemporal Dementia	\$36	\$65	\$91	\$94	\$158	\$166	\$164	\$169	4.7-fold increase
Vascular Cognitive Impairment/Dementia	\$72	\$89	\$130	\$259	\$299	\$362	\$455	\$445	6.2-fold increase

¹The category Alzheimer's Disease including Alzheimer's Disease Related Dementias (AD/ADRD) reflects the sum of the two existing RCDC categories: Alzheimer's Disease (AD) and the above Alzheimer's Disease Related Dementias (ADRD) – where duplicates are removed.

²The category ADRD reflects the sum of three existing RCDC categories: Frontotemporal Dementia, Lewy Body Dementia, and Vascular Cognitive Impairment/Dementia—where duplicates are removed.

³These categories were established pursuant to Section 230, Division G of the Consolidated and Further Continuing Appropriations Act of 2015 as related to reporting of NIH initiatives supporting the National Alzheimer's Project Act (NAPA), <https://aspe.hhs.gov/national-alzheimers-project-act>.

https://report.nih.gov/categorical_spending.aspx 44

Recruitment of a Growing AD/ADRD Research Workforce, FY 2015-2022

Across Fiscal Years 2015 – 2022:

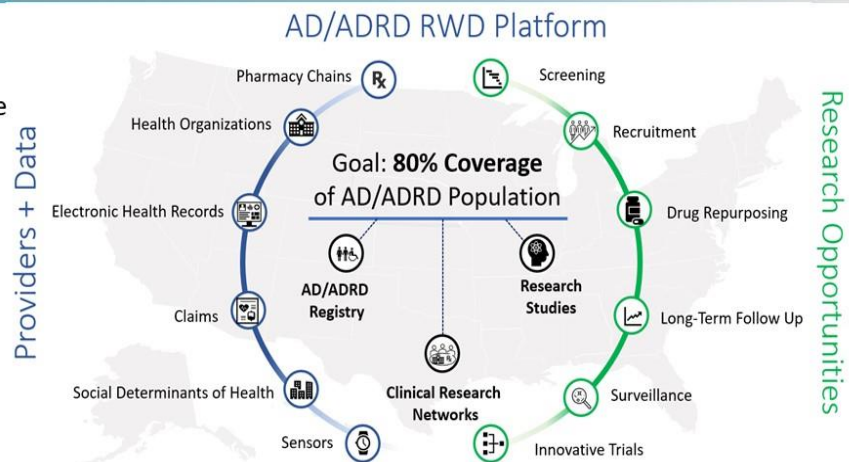
- **~1/3** of NIA's Alzheimer's disease and related dementias awardees were either **new or early-stage** investigators.
- **~1/5** of NIA's Alzheimer's disease and related dementias awardees were **new to the field**.

AD/ADRD Research Initiatives

AD/ADRD Real-World Data (RWD) Platform

Goals:

- Harness longitudinal real-world data via public/private partnerships to establish Real World Data Infrastructure
- Leverage the power of new technologies (i.e., artificial intelligence, machine learning) to catalyze cost- and time-efficient research and clinical trials on AD/ADRD in diverse populations



[RFA-AG-24-009/AD/ADRD Real-World Data Platform \(U54 Clinical Trial Optional\)](#) (apply by July 31, 2023)

Questions? Contact NIARWD@nih.gov

AD/ADRD Real-World Data Platform

The RWD Platform aims to **transform the AD/ADRD research enterprise by providing a data infrastructure to the research community**, with the following goals:

- Improve applicability/generalizability of findings through larger and more diverse datasets;
- Capture more complete information through linking a variety of data sources;
- Increase the speed at which scientific questions can be answered;
- Improve ability to answer questions not feasibly or readily answered via clinical trial; and
- Facilitate clinical trial recruitment and research participation.











The RWD Platform will improve data accessibility and quality, build investigator capacity, support AD/ADRD research and trial design using RWD, and maintain the resource and knowledge base for AD/ADRD research using RWD.

[RFA-AG-24-009/AD/ADRD Real-World Data Platform \(U54 Clinical Trial Optional\)](#)

Questions? Contact NIARWD@nih.gov

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AD/ADRD Real-World Data Platform: Proposed Cores Structure

Vision, Planning and Admin	Clinical Research Networks	Business Case and Translation	Stakeholder, Data Privacy, and Ethics	2 Optional Cores
 <p>Provide vision, coordinate, track progress, develop network of researchers, and track progress towards proposed milestones</p>	<p>Execute partnerships with Point of Care Network (e.g., pharmacy chains, OneFlorida, etc.) and establish virtual trial platform, and form CRN</p> 	 <p>Establish principles, prepare use cases, highlight savings, evaluate, develop regulatory/legal templates</p>	 <p>Engage diverse perspectives, develop ethical guidelines, tackle issues such as algorithm bias, data linkages, consents, etc.</p>	 <p>Proposed by applicant</p>
Health Disparities Research and Recruitment Innovation	Trial Innovation	Data Quality, Integration and Access	Incubator	Incubator (Clinical Trial)
 <p>Alleviating health disparities as a central goal: recruitment identification, engagement, and uptake in healthcare services for diverse persons living with dementia</p>	<p>Develop innovative methods, advance cutting-edge informatics, and cultivate the digital workforce for clinical trials</p> 	 <p>Develop standardization across multiple data sources and central hub for providing high quality data</p>	 <p>Rapid learning, pilot projects, registries, expand clinical research networks</p>	 <p>Incubator of clinical trials using various aspects of the platform</p>

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Exposome Research Efforts

- [RFA-AG-24-011](#): Research Coordinating Center on the Exposome and AD/ADRD: Elucidating the Role of Social and Behavioral Determinants of Health in AD/ADRD Etiology and Disparities
- [New Research Network](#) on Education, Biosocial Pathways, and Dementia across Diverse Populations (University of Maryland, College Park); will disseminate Network products to the scientific and broader policy community
- **FY24 Approved Concepts**
 - Quantifying the Impact of Environmental Toxicants on AD/ADRD Risk in Cohort Studies
 - Understanding Gene Environment Interactions in Brain Aging and AD/ADRD
 - Preclinical Studies to Characterize the Impact of Toxicants on Brain Aging and AD/ADRD

<https://www.nia.nih.gov/approved-concepts>

Social Determinants of Health Efforts

- NASEM Workshop on [Mechanisms of Organizational Behavior Change for AD/ADRD](#) (2022)
 - How can **organizational redesign** better serve needs of dementia patients?
- Approved Concepts:
 - Dementia Care Coordination Research Center
 - Consortium for Payment, Utilization, and Access for Dementia Care

<https://www.nia.nih.gov/approved-concepts>

Additional Recently Published Funding Opportunities

- [RFA-AG-24-004](#): Estimating the Monetary Costs of Dementia in the U.S.
- Edward R. Roybal Centers
 - [RFA-AG-24-006](#): Roybal Centers for Translational Research on Aging
 - [RFA-AG-24-007](#): Roybal Centers for Translational Behavioral Research on Dementia Care, Caregiver Support, and Prevention of AD/ADRD
 - [RFA-AG-24-008](#): Edward R. Roybal Coordinating Center
- [RFA-AG-24-010](#): Limited Competition: The Health and Retirement Study and Harmonized Cognitive Assessment Protocol

Announcements

NIA's Healthy Aging Start-Up Challenge

- In support of ongoing efforts to foster diversity in aging research and innovation, NIA launched the inaugural **Healthy Aging Start-Up Challenge** in 2022.
- The Challenge winners were selected from 20 finalists and each received a **\$60,000 prize**.
- To learn more about the Challenge, please visit: <https://www.nia.nih.gov/research/sbir/startup-challenge>



An aging clock-based drug discovery platform for neurodegenerative disorders

2022 Challenge Winners:



A hormone-free vaginal suppository for vulva-vaginal atrophy in post-menopausal women



Machine learning-driven platform to connect senior homeowners and renters to vetted home remodeling companies to age in place



Digital health app for the self-management of hypertension in African American older adults



Online system that simplifies and streamlines the licensing and renewal process for CNAs, home health aides, and other medical professionals



<https://www.nia.nih.gov/research/sbir/startup-challenge>

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2023 NATIONAL RESEARCH SUMMIT ON Care, Services, and Supports for Persons Living with Dementia and Their Care Partners/Caregivers

March 20-22, 2023



2023 Dementia Care Summit webpage



Meeting Materials and Recordings: <https://www.nia.nih.gov/2023-dementia-care-summit#recordings>

Recordings available!



NIH National Institute on Aging



NATIONAL RESEARCH SUMMIT ON Care, Services, and Supports For Persons Living with Dementia and Their Care Partners/Caregivers

NIH's Commitment to Ending Structural Racism

- NIH is committed to instituting new ways to support diversity, equity, and inclusion, and identifying and dismantling any policies and practices that may harm our workforce and our science.
- NIH established the **UNITE** initiative to address structural racism in biomedical research with the goal of ending racial inequity.
- Primary goals of the initiative are:
 - U** Understanding stakeholder experiences through listening and learning
 - N** New research on health disparities, minority health, and health equities
 - I** Improving the NIH culture and structure for equity, inclusion and excellence
 - T** Transparency, communication, and accountability with our internal and external stakeholders
 - E** Extramural research ecosystem: changing policy, culture and structure to promote workforce diversity



NIA Participation:

- **Melissa Espinoza** - I Committee
- **Frank Bandiera** - N Committee
- **Patricia Jones** - E Committee, Evaluation Committee

Inaugural UNITE Progress Report (2021-2022)

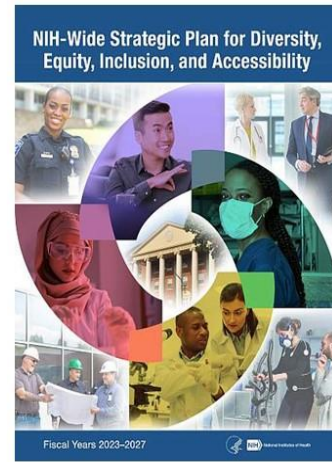
- The **2021–2022 UNITE Progress Report** describes NIH's actions to identify and address structural racism that may exist within the NIH and in the biomedical and behavioral research enterprise.
- Select Achievements include—
 - Facilitating support for funding opportunities on the impact of structural racism on minority health and transformative research to address health disparities.
 - Launching the Faculty Institutional Recruitment for Sustainable Transformation (FIRST) program through the NIH Common Fund to enhance and maintain scientific environments that cultivate and benefit from a full range of talent.



<https://www.nih.gov/ending-structural-racism/announcing-inaugural-unite-progress-report>

NIH-Wide Strategic Plan for Diversity, Equity, Inclusion, and Accessibility (DEIA) Released

- NIH released its **Fiscal Years 2023-2027 NIH-Wide Strategic Plan for Diversity, Equity, Inclusion, and Accessibility (DEIA)**.
 - The plan articulates NIH's commitment to embracing, strengthening, and integrating DEIA across all agency activities.
 - The plan organizes NIH's priorities to address DEIA in NIH's operations, its workforce, and in the research it supports, and emphasizes three crosscutting themes—promoting transparency, communication, and engagement; fostering sustainable change; and harnessing data.



<https://www.nih.gov/about-nih/nih-wide-strategic-plan-diversity-equity-inclusion-accessibility-deia>

NINDS Updates

ADRD Funding Initiatives and Plans for FY2024



15 NINDS led funding announcements in FY2023

There are 9 ADRD funding announcements currently open that NINDS participates in:

<https://www.ninds.nih.gov/funding/find-funding-opportunities> (Search "ADRD")

NINDS funding announcement concepts are being planned for FY2024

WORKFORCE

Diversity
Training
Career

RESEARCH

- Social Determinants
- Modifiable Risk(s)
- Mechanisms & Pathology
- Covid-19 & Dementia
- Translational
- Biomarkers & Diagnosis
- Clinical Trials

See the NINDS Focus on Alzheimer's Disease and Related Dementias page for details:

<https://www.ninds.nih.gov/current-research/focus-disorders/alzheimers-related-dementias>



NINDS ADRD Current and FY2024 Planned Funding Announcements: Training and Disease Mechanisms

ANNOUNCEMENT	TITLE
NOT-NS-21-047	Administrative Supplements to Promote Diversity for NINDS AD/ADRD Awardees; Multiple due dates, through March 2024
PAR-23-113	NINDS Institutional AD/ADRD Research Training Program (T32); Standard dues dates, Expiration: May 25, 2024
PAR-22-022	NINDS AD/ADRD Advanced Postdoctoral Career Transition Award to Promote Diversity (K99/R00); Standard dues dates, Expiration: July 13, 2024
PAR-23-140	Blood Brain Barrier Response to Antibodies Targeting Beta-Amyloid (Re-issue of PAR-22-235), Due Date: June 2, 2023
PAR-23-154	Development and Validation of Models for ADRD Due Dates: June 20, 2023; October 20, 2023
PAR-22-093	Research on Current Topics in ADRD (R01); Multiple due dates, through November 12, 2024 (NIA leads)
Concept approved	Development & Characterization of Experimental models of post-TBI ADRD
Concept approved	Mechanistic Investigations into ADRD Multiple Etiology Dementias
Concept approved	Investigating Distinct and Overlapping Mechanisms in TDP-43 Proteinopathies, including in LATE, FTD, and other ADRDs
Concept approved	Neuropathological Interactions Between COVID-19 and ADRD
Concept approved	Genome Editing for ADRD (Re-issue of RFA-NS-23-017)
Concept approved	Center Without Walls for PET Ligand Development for the ADRDs (Re-issue RFA-NS-19-014)



NINDS AD/ADRD Current and FY2024 Planned Funding Announcements: Clinical Trials, Clinical Research and Translation

ANNOUNCEMENT	TITLE
RFA-NS-24-001	Using Multimodal Biomarkers to Differentially Diagnose ADRDs for Clinical Trials (U19), Due Date: June 01, 2023
Concept approved	Early-Stage Therapy Development for ADRD (Re-issue of RFA-NS-22-059)
Concept approved	Neuropathological Assessment of TBI-related Neurodegeneration and Neurocognitive Decline (Re-issue RFA-NS-19-030)
PAS-22-196	Advancing Research on AD/ADRD SBIR/STTR Programs(R43/R44) (<i>Clinical Trial Optional</i>); Standard due dates, Expiration: September 06, 2025 (NIA leads)
PAS-22-197	Advancing Research on AD/ADRD SBIR/STTR Programs(R41/R42) (<i>Clinical Trial Optional</i>); Standard due dates, Expiration: September 06, 2025 (NIA leads)
Concept approved	Anti-amyloid Efficacy in ADRD (VCID) populations
Concept approved	Multi-target validation for ADRD

15 NINDS ADRD funding initiatives for FY 2024, for more information see:
<https://www.ninds.nih.gov/Current-Research/Focus-Disorders/Alzheimers-Related-Dementias>



No RFA is needed to apply!! NINDS special AD/ADRD payline applies to investigator-initiated research applications to the NIH Parent R01 and the NINDS R21 ([PA-21-219](#))

Ways to Stay Informed and Connected



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Search all active NIA funding opportunities:
<https://www.nia.nih.gov/research/funding>



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<https://www.facebook.com/NIHAging/>



Review the latest approved concepts:
<https://www.nia.nih.gov/approved-concepts>



Subscribe to NIA on YouTube:
<https://www.youtube.com/user/NatlInstituteOnAging>

Thank you

NIA

The Leader in Aging Research