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

Winter 2024 Meeting

January 22, 2024
U.S. Department of Health and Human Services
Materials available at: http://tinyurl.com/NAPAmeetings

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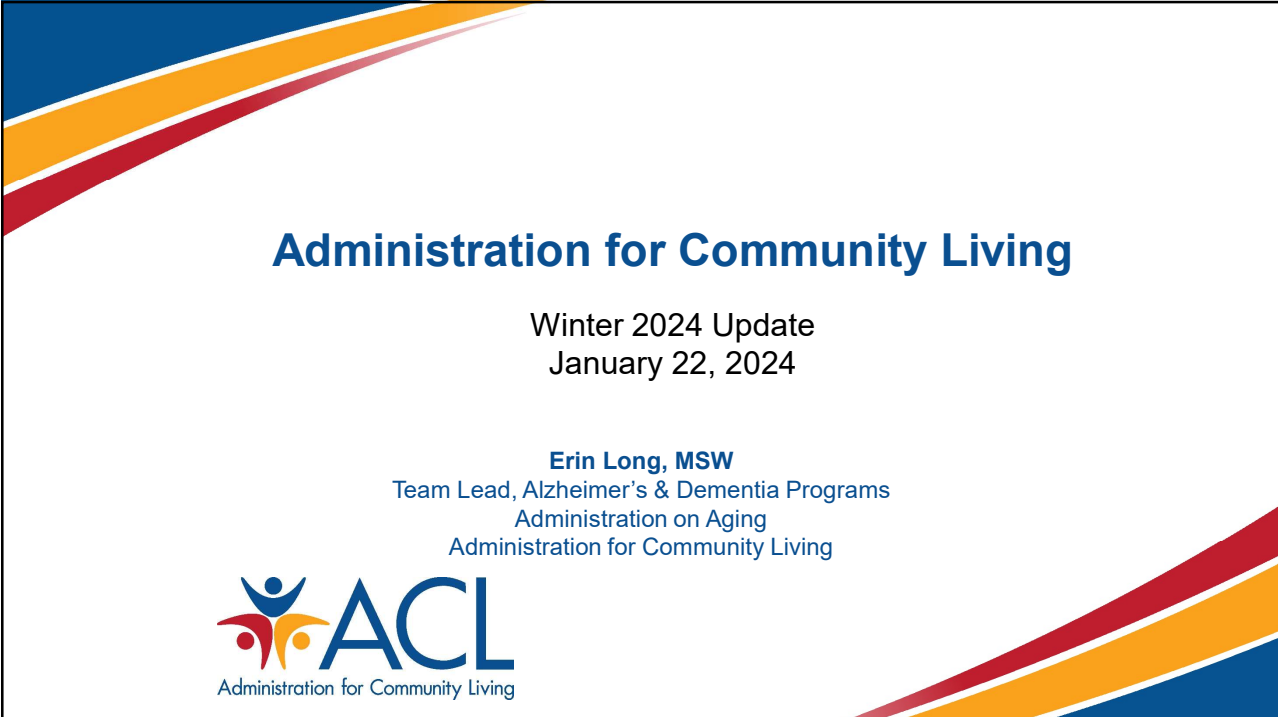
1

Federal Updates

- Administration for Community Living (ACL)
- Office of the Assistant Secretary for Planning and Evaluation (ASPE)
- Centers for Disease Control and Prevention (CDC)
- Health Research and Services Administration (HRSA)
- Indian Health Service (IHS)
- National Institutes of Health (NIH)

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Administration for Community Living

Winter 2024 Update
January 22, 2024

Erin Long, MSW
Team Lead, Alzheimer's & Dementia Programs
Administration on Aging
Administration for Community Living

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NEW GRANT PROGRAM AWARD!

Supporting State and Community Innovations in Dementia-Specific Respite Programs and Services

- October 31, 2023 award to the Alzheimer's Association
- $5M/Year for 5 years with 25% match from grantee
- 80% of total goes to grants to community-based providers to deliver respite
- 20% of total goes to infrastructure, education/technical assistance and evaluation

STAY TUNED!

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ACL/AoA
ADPI Grant/Contract Funding
FY 2024

Grants
- State, Community and Tribal Grants
- Respite Innovations
- National Alzheimer's Disease Call Center (funding for the Alzheimer's Association call center)

Contracts
- National Alzheimer's and Dementia Resource Center (https://nadrc.acl.gov/home)
- Funds to ACL Title VI contract for dementia activities in Tribal Communities

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National Alzheimer's and Dementia Resource Center
UPCOMING WEBINAR

Finding the Way in Dementia Care: Use of Care Navigators for People Living with Dementia and their Caregivers.
February 6, 2024, from 3-4 p.m. ET

CAlz Connect, (through California Department of Aging (CDA), offers dementia care management services to people living with dementia and their caregivers in Imperial, Marin, and Ventura counties, using the Care Ecosystem (CE) and HomeMeds evidence-based programs.
Kansas, OCCK, Inc. is implementing the CE in rural communities. Cognitive Care Navigators help the CE team understand the day-to-day issues experienced by people living with dementia and their caregivers and provide needed services and supports.

Additional webinar information and registration form can be found HERE.

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National Alzheimer's and Dementia Resource Center
Recent Webinar

Strengthening the Dementia Capable Workforce: Dementia Training for Intellectual and Developmental Disabilities (IDD) Service Providers.

As the population of individuals living with IDD ages, so does the incidence of dementia. Communities need to be prepared to serve and support them. This webinar explored educational programs utilized when training providers of aging IDD services, and how **Ohio** began to build systems to support individuals, families, and providers within local communities. Lessons learned, impact findings from educational sessions, accessible and replicable resources, and information on the overall system changes will be shared. (1800 registered/1100 attendees)

The recording of the webinar and the presentation deck will be posted at https://nadrc.acl.gov/home

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National Alzheimer's and Dementia Resource Center
Recent Webinar

Applying the National Strategy to Support Family Caregivers to Dementia Programs.

The 2022 National Strategy to Support Family Caregivers was developed to support caregivers of all ages, regardless of where they live or their specific caregiving situation. The Strategy includes five overarching goals and 350 corresponding actions, while not addressing specific populations of caregivers. While the goals and actions contained within the Strategy are not dementia specific, they can be applied to dementia caregiving. This webinar focuses on the ways in which the goals can apply specifically to caregivers of people living with dementia and services designed to support such caregivers. (1200registered/589 attendees)

The recording of the webinar and the presentation deck will be posted at https://nadrc.acl.gov/home

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Lifespan Respite Program
State Grant Dementia Highlights

VIRGINIA - Increasing the number and diversity of caregivers who receive respite services through the addition of 100 additional dementia caregivers. So far, this state's program has served: 281 dementia caregivers (236 is the 5-year goal), which is 119% of the goal achieved.

COLORADO - Dementia Training Courses. Dementia 101 educates attendees on the top ten risk factors, warning signs, and quality of life issues for those with dementia and their caregivers, was delivered virtually and in person to a total of 2,676 attendees. (CO)

ARIZONA - Memory cafes: program provides socialization for persons with dementia and the opportunity to participate in activities with certified and trained professionals. A Perfect Place offers enjoyable engagement activities and exploration helping individuals living with dementia, Alzheimer's, Parkinson's, or stroke recovery find new talents and hobbies. (AZ)

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ACL/AoA Caregiver Activities of National Significance
Grant Program*

- Using the framework provided by the 2022 National Strategy to Support Family Caregivers (the Strategy), to advance the capacity of the National Family Caregiver Support Program (NFCSP – OAA, Title III-E) and the Native American Caregiver Support Program (NACSP-OAA, Title VI-C) to better recognize and support family caregivers.
- **Goal:** greater recognition, support, and inclusion of the family caregivers served by the OAA Title IIIE and VI-C programs and greater alignment with other efforts to improve supports to family caregivers to ensure that the NFCSP and NACSP are well-positioned to respond to, and evolve with, a rapidly shifting policy and service delivery landscape.
- *There is a grant project focusing on each of the specific five priority/goal areas of the Strategy:*
  1. *Increasing awareness of, and outreach to, family caregivers*
  2. *Advancing inclusion and engagement of family caregivers within care teams*
  3. *Advancing innovations in family caregiver services and supports*
  4. *Strengthening financial and workplace security of family caregivers*
  5. *Advancing a family caregiver national research and data collection strategy*

*Four cooperative agreements awarded Sept 2022; Fifth cooperative agreement to be awarded Feb 2024.

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ACL Assistive Technology Program

North Carolina: Public awareness and education events for caregivers and dementia groups across the state Additional sessions scheduled for January and February of 2024.They have active participation in the Division of Aging and Adult Services (DAAS) "All Ages/All Stages" plan development, which is the aging plan to be submitted to the governor by May/June 2024.

Georgia: Tools for Life (TFL)/Georgia Tech Center for Inclusive Design and Innovation (CIDI) Hosted an open house showcasing their Dementia Lab, and many items were demonstrated. Participated in educational opportunities including information Fair. Serves on the Advisory Board for the Culture Change Network of Georgia (CCNG). CCNG is transforming organizations that care for older people by training and advocacy for person-centered care. Much of the work of CCNG is working with Alzheimer's and other Dementia. Launching should have a new website soon that will include information about their Aging in Place and Dementia Lab.

North Dakota: The North Dakota Alzheimer's Association (NDAA) and the North Dakota Assistive technology program entered into an agreement to address staff training initiatives and expansion of the AT Ambassadors program. Five of the seventeen volunteer AT Ambassadors are staff of the ND Alzheimer's Association! Knowledge and appreciation of assistive technology has expanded dramatically (i.e. 1 NDAA employee presented/exhibited at eight different events last year.

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National Institute on Disability, Independent Living, and Rehabilitation Research (NIDILRR)

The Center for Enhancing Neurocognitive Health, Abilities, Networks, and Community Engagement (ENHANCE).

- Using a sample of individuals with mild cognitive impairment (early dementia), post stroke, and TBI, investigators are developing a novel systematic approach to explore how discourse (e.g., verbosity, topic maintenance, speech rate) relates to cognition (e.g., inhibition, working memory, generation/fluency) for these populations of people with cognitive disabilities. The aim is to develop a comprehensive measure for communication challenges that are predictors of cognitive function in daily activities.
- The investigators have a first draft of a book for publication titled The Potential of Extended Reality Solutions to Support Older Adults with and without Cognitive Impairments. This book is meant for anyone who is interested in the application of emerging XR technologies for older adults with and without cognitive disabilities.

Research and Education to Support the Science of Independent Living for Inclusion and Engagement: National Center of Excellence RRTC (RESILIENCE RRTC)

- Investigators are conducting a randomized control trial of the modified CAPABLE intervention for individuals with MCI/dementia and their care partners. The original CAPABLE intervention excluded individuals with MCI/dementia. Data is complete for half of the sample. The study is ongoing.

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Thank you!

Erin Long, MSW
Team Lead, Alzheimer's Disease Programs Initiative (ADPI)
Office of Supportive and Caregiver Services
Administration on Aging
Administration for Community Living

Email: Erin.Long@acl.hhs.gov

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January 2024 Updates

Helen Lamont, Ph.D.

Director, Division of Disability & Aging Policy

U.S. Department of Health and Human Services

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ASSISTANT SECRETARY FOR PLANNING AND EVALUATION

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Caregivers and Long-Term Services and Supports

- Provided current estimates of national LTSS expenditures
- Projected the potential impacts of changing demographics on:
  - Older Americans' need for LTSS
  - Supply of future caregivers
  - Medicaid spending
- Four reports:
  - Future Change in Caregiving Networks: How Family Caregivers and Direct Care Workers Support Older Adults with Needs for Long-Term Services and Supports at Present and in the Future
  - The Economic Value of Unpaid Care Provided to Older Adults Who Need Long-Term Services and Supports
  - Diversity in Caregiving Needs and Networks: Differences by Race-Ethnicity in the Care Older Adults Receive
  - Change in Caregiving Networks Over the Course of Disability

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Home and Community-Based Services

- **An Overview of Medicaid Section 1915(c) Home and Community-Based Services Policy Flexibilities States Adopted During the COVID-19 Public Health Emergency**
  - Reviewed modifications states made to their 1915(c) waiver programs between March 2020 and January 2022

- **Identifying and Classifying Medicaid Home and Community-Based Services Claims in the Transformed Medicaid Statistical Information, System, 2016-2020**
  - Developed a methodology to identify and classify HCBS claims by service category

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Nursing Home Ownership

- **Trends in Ownership Structures of U.S. Nursing Homes and the Relationship with Facility Traits and Quality of Care**
  - ◦ Built on previous ASPE work on nursing home ownership and care quality
  - ◦ Examined recent trends in ownership, particularly:
    - − Private equity firms
    - − Real estate investment trust companies

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Older Adults

- **Interventions to Prevent Older Adult Suicide**
  - ◦ Highlighted existing, effective suicide prevention interventions
  - ◦ Explored ways to expand interventions to better include older adults
  - ◦ Discussed barriers to tailoring programs to older adults

- **Addressing Homelessness Among Older Adults**
  - ◦ Identified trends among older adults at risk of or experiencing homelessness
  - ◦ Highlighted existing services and supports, as well as challenges in accessing them

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Direct Care Worker Wages

- Wages play a role in challenges recruiting and retaining direct care workers
- Certain states have implemented policies to improve wages
- Study explored the key elements and results of these policies
- Four reports:
  - ◦ Wages of Direct Care Workers Lower Than Other Entry-Level Jobs in Most States Issue Brief (2023)
  - ◦ State Efforts to Improve Direct Care Workforce Wages: State Case Studies
  - ◦ Direct Care Workforce Experienced Limited Wage Improvements Despite State Policy Efforts Issue Brief
  - ◦ State Efforts to Improve Direct Care Workforce Wages: Final Report

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Identifying Gaps in Data on HCBS Workforce

- Charge to HHS and DOL in the Care EO
- Tasks:
  - ◦ Identify priority populations of workers
  - ◦ Identify priority data needs, policy questions and gaps in knowledge
  - ◦ Use research questions to identify key domains, data elements, and survey/data characteristics
  - ◦ Examine how federal data sources address the domains and data elements, and necessary survey/data characteristics
  - ◦ Identify where gaps are in existing data sources
  - ◦ Identify opportunities for filling these gaps and/or new data collection efforts

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Federal Partners

Department of Health & Human Services

- Office of the Assistant Secretary for Planning & Evaluation
- Centers for Medicare & Medicaid Services
- National Center for Health Statistics
- Health Resources & Services Administration
- Administration for Community Living
- National Institute on Aging

Department of Labor

- Office of the Secretary
- Office of the Assistant Secretary for Policy
- Office of Disability and Employment Policy
- Women's Bureau

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Next Steps

- Workgroup drafted recommendations on opportunities to fill gaps
- Finalizing recommendations
- Expected to release publicly in Spring 2024

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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 January 22, 2024, to National Alzheimer's Project Act (NAPA) Advisory Council Quarterly Meeting
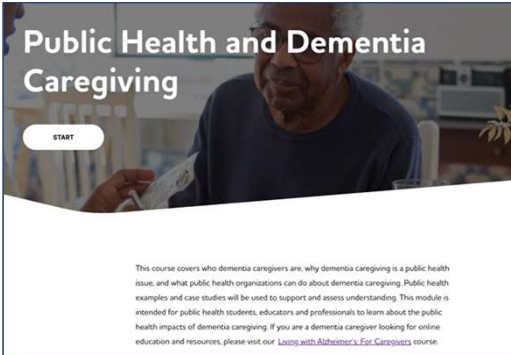
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PUBLIC HEALTH AND DEMENTIA CAREGIVING

NEW PUBLIC HEALTH CURRICULUM MODULE

- The Alzheimer's Association launched the interactive public health curriculum on public health and dementia caregiving created in partnership with CDC, BOLD Public Health Center of Excellence on Dementia Caregiving, and Emory University.

- **Free**, interactive public health curriculum on public health's role in addressing dementia caregiving
- Flier, guides, and link to module are all available at alz.org/publichealthcurriculum
- Designed for public health professionals, students, or educators; not designed for caregivers themselves

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HBI ROAD MAP FOR INDIAN COUNTRY UPDATE

- Leadership Committee Kickoff
  - 19 Leadership Committee Members and 2 Co-Chairs
  - 79% (15/19) have a tribal affiliation
  - Also have federal liaisons from ACL, CMS, DOD, HHS, HRSA, and NIH

- Open Input Period - 2+ months
  - Written open input period
  - 7 virtual input discussions facilitated with ACL and IHS

- In-Person Leadership Committee Meeting
  - First week of March in Oklahoma City, OK
  - Will review public input and discuss structure of the next edition

Share the Road Map for Indian Country page

alz.org/PublicHealth IndianCountry

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EXECUTIVE SUMMARY

IMPLEMENTATION GUIDE

ISSUE MAPS
www.cdc.gov/aging

WHAT'S NEW

HEALTHYBRAIN INITIATIVE
Road Map Series

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HBI ROAD MAP STRATEGISTS

2024 Cohort

1. Panhandle Public Health District (Nebraska)
2. Lamar County Health Department (Georgia)
3. Oneida County Health Department (Wisconsin)
4. Waukesha County Public Health (Wisconsin)
5. Nelson-Griggs District Health Unit (North Dakota)
6. Northeast Tri County Health District (Washington)
7. Kitsap Public Health District (Washington)
8. Clay County Health Department (Illinois)
9. Davis County Health Department (Utah)
10. Pharr Department of Health (Texas)

Past Road Map Strategist, Local or Tribal Health Department (n=16)

Current 2024 Road Map Strategist, Local or Tribal Health Department (n=10)

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BOLD — Webinar Series

PUBLIC HEALTH CENTER OF EXCELLENCE
EARLY DETECTION OF DEMENTIA

Statewide Dementia Screening Linked to Diagnostic and Social Services Implementation Strategies and Lessons Learned

Nathaniel Chin, MD
Associate Professor, University of Wisconsin (UW) Department of Medicine, Geriatric Division
Medical Director & Clinical Care Co-Leader, Wisconsin ADRC
Medical Director, Wisconsin Registry for Alzheimer's Prevention (WRAP) Study
Associate Director, Geriatric Memory Program, UW Hospitals and Clinics

Krista Pfister, MSW, APSW
Clinical Social Worker, University of Wisconsin Geriatric Clinic-Fitchburg

Wednesday, January 31, 2024
12 – 1 pm EST
The BOLD Public Health Center of Excellence on Early Detection of Dementia is pleased to offer our second in our series of conversations about health system interventions to promote earlier dementia detection as a pathway to better care and outcomes.

Please join us to hear from two members from University of Wisconsin Alzheimer's Disease Resource Center (ADRC) and UW Health Memory Assessment Clinic, Dr. Nathaniel Chin and Ms. Krista Pfister.

This webinar is open to the public, so please share this webinar with anyone that may be interested in attending.
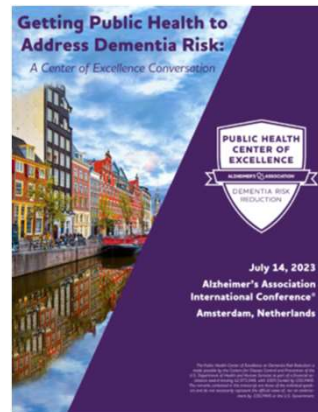
https://bolddementiadetection.org/webinars/

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BOLD PUBLIC HEALTH CENTER OF EXCELLENCE ON RISK REDUCTION

- Transcript of conversation held at AAIC in July with international organizations and researchers about strategies, tips, and effective ways to support public health agencies in prioritizing brain health.

https://www.alz.org/media/Documents/BOLD-Risk-Reduction-Transcript_AAIC-2023.pdf

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BOLD Public Health Center of Excellence on Risk Reduction

- State-specific fact sheets on the prevalence of six risk factors (hypertension, obesity, diabetes, smoking, physical inactivity, and poor sleep), available at: https://www.alz.org/professionals/public-health/public-health-topics/risk-reduction#prevalence-risk
- State heat maps (by county) and county heat maps (by census tract) for the six risk factors, available on request by emailing: CenterOfExcellence@alz.org
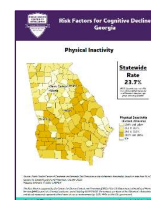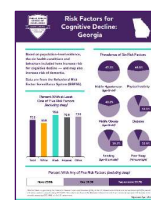
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BOLD Public Health Center of Excellence on Risk Reduction

- Provides examples of risk reduction-related recommendations that could be included in state or jurisdictional Alzheimer's plans.

https://www.alz.org/media/Documents/state-plan-risk-reduction.pdf
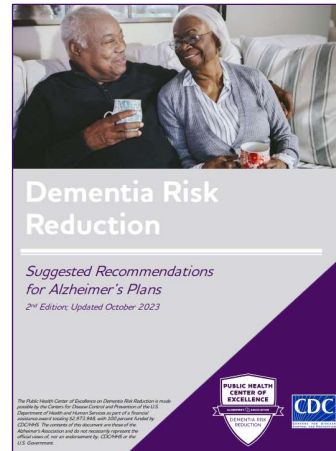
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BOLD Public Health Center of Excellence on Dementia Caregiving

https://bolddementiacaregiving.org/wp-content/uploads/2023/10/UofMN_PHCOE-DC_Toolkit.pdf
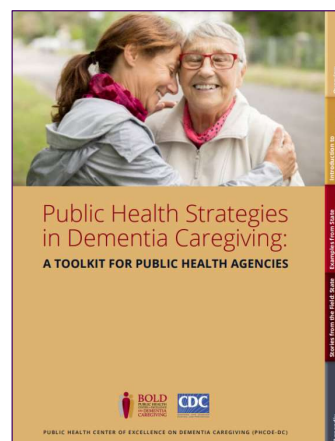
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Webinar -- Public Health Approaches to Dementia Caregiving

Successful Public Health Approaches in Dementia Caregiving: *Georgia*
A Virtual Roundtable Series

In each episode of this virtual round-table series *we will highlight the story of one state* that has successfully implemented a state-wide, innovative, and integrative approach to advancing its dementia caregiving goals. The session will begin with an overview of the state's past, current and future efforts in dementia caregiving, followed by an interactive conversation and Q&A with the attendees about key takeaways and ideas for action they can take in their states and communities. This series offers a great opportunity for knowledge exchange, peer-learning and idea generation. In this episode we will present the story of *Georgia.*

Elizabeth Head, MPH
Deputy Director, Healthy Aging Manager, Division of Health Protection Georgia Department of Public Health

Lynn Joyner, BBA
Dementia Care Specialist, Heart of Georgia Altamaha Area Agency on Aging

Sarah Saint Hamilton, PhD, LMSW
Director of Social Support Services, Cognitive Aging Research and Education (CARE) Center

January 24th, 2024 | 11:00am-12:30pmET | Zoom
REGISTER: https://bit.ly/SuccessfulPublicHealthApproaches-Georgia

BOLD PUBLIC HEALTH CENTER OF EXCELLENCE ON DEMENTIA CAREGIVING

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Updated Guide on Advanced Care Planning Resources

PUBLIC HEALTH CENTER OF EXCELLENCE ON DEMENTIA CAREGIVING

BOLD PUBLIC HEALTH CENTER OF EXCELLENCE ON DEMENTIA CAREGIVING

Updated Resource!

A Guide on Advanced Care Planning Resources: For People Living with Dementia and Their Care Partners - UPDATED

Scan here or visit bit.ly/GuideonACP to view the guide!

A GUIDE ON Advanced Care Planning Resources FOR PEOPLE LIVING WITH DEMENTIA AND THEIR CARE PARTNERS

https://bit.ly/GuideonACP

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NEW PUBLICATION

Volume 19, Issue 12

Pages: 5325-5993

December 2023

The intersection of social determinants of health and family care of people living with Alzheimer's disease and related dementias: A public health opportunity

Joseph E. Gaugler ✉ Soo Borson, Fayron Epps, Regina A. Shih, Lauren J. Parker, Lisa C. McGuire

ALZHEIMER'S ASSOCIATION · Alzheimer's & Dementia®
THE JOURNAL OF THE ALZHEIMER'S ASSOCIATION

https://alz-journals.onlinelibrary.wiley.com/doi/epdf/10.1002/alz.13437

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International Association for Indigenous Aging--Dementia Bingo

https://iasquared.org/resources/dementia-bingo/

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NEW Communication Guide for Dementia Risk Reduction

Integrating Alzheimer's Messages into Chronic Disease Programs

A COMMUNICATION GUIDE FOR PUBLIC HEALTH PROFESSIONALS

October 2023

NATIONAL ASSOCIATION OF CHRONIC DISEASE DIRECTORS

CDC

- Supports integration of messages about brain health and dementia risk reduction into existing chronic disease risk reduction programs.

https://chronicdisease.org/nacdd-releases-communication-guide-for-dementia-risk-reduction/

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Practical Guide on Culturally Tailoring Brain Health Messaging

A Practical Guide:
Communicating Brain Health Messages with Latino and African American Communities

USAGAINSTALZHEIMER'S CENTER for BRAIN HEALTH EQUITY

CDC
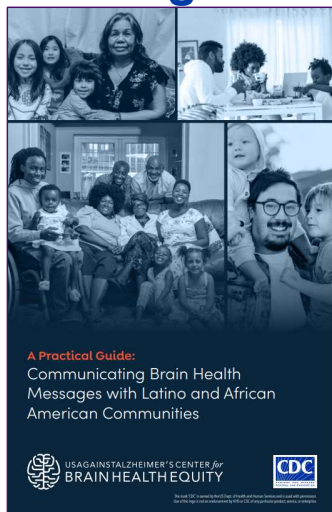
*Us*Against**Alzheimer's**

- This guide can help professionals incorporate culturally-relevant, evidence-based messaging about brain health and cognitive decline into existing health messaging.

https://chronicdisease.org/https://www.usagainstalzheimers.org/center-brain-health-equity/

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AMA Update: **Dementia vs. Alzheimer's: Signs, symptoms and preventing Alzheimer's disease**

https://www.ama-assn.org/delivering-care/public-health/dementia-vs-alzheimers-signs-symptoms-and-preventing-alzheimers

Dementia vs. Alzheimer's: Signs, symptoms and preventing Alzheimer's disease with Lisa McGuire, PhD
13:18

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Healthy Brain Resource Center (HBRC)

https://www.cdc.gov/aging/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 300 publicly available resources.
- 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.

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THANK YOU

WWW.CDC.GOV/AGING

LISA C. MCGUIRE, PHD
LMCGUIRE@CDC.GOV

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.

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Health Resources and Services Administration Dementia Activities 2023

January 22, 2024

Joan Weiss, PhD, RN, CNRP, FAAN
Deputy Director, Division of Medicine and Dentistry
Bureau of Health Workforce (BHW)

Vision: Healthy Communities, Healthy People

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Health Resources and Services Administration

Dementia Education and Training Activities
2021-2023

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Geriatrics Workforce Enhancement Program (GWEP)

- In Fiscal Year (FY) 2021-22 the GWEPs provided 673 interprofessional educational offering on dementia to 130,012 learners.

- In Fiscal Year 2022-23 the GWEP provided 529 interprofessional educational offerings on dementia to 113,351 learners.

HRSA
Health Workforce

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Geriatrics Workforce Enhancement Program (GWEP)

- HRSA has several modules addressing Alzheimer's Disease and Related Dementia (ADRD) on the *HRSA Train Health Care Workers About Dementia page*

- 16 modules on ADRD Topics

- 9 modules on Caregiving Topics

- In 2023 there were
  - 14,104 views of the HRSA dementia page

HRSA
Health Workforce

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GWEP COVID-19 Education and Training

- In FY2021-FY2022 HRSA provided $2.25 million in competitive supplemental funding to 12 GWEPs

- **Purpose:** Develop 24 modules addressing COVID-19 specific education and training for the nursing home workforce, nursing home residents, **including those living with dementia,** and their family and caregivers, to improve care to nursing home residents.

- These modules are undergoing clearance in preparation of uploading them on the HRSA dementia website mentioned in previous slide.

HRSA
Health Workforce

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GWEP Nursing Home Education and Training

- In FY2023, $2.28 million in administrative supplements were awarded to 48 GWEP grant recipients

- Purpose: Support curriculum development on care of older adults residing in nursing homes, **including care of persons living with dementia**, within the context of the Age-Friendly Health Systems 4Ms Framework.

- Goal: Increase the number of nursing staff who elect to practice in nursing homes after graduation.

HRSA
Health Workforce

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Dementia Specialists Report to Congress

- FY2021-FY2023: HRSA supported development of a Report to Congress on **Current Capacity of Dementia Specialists** in collaboration with ASPE

- Report includes provider shortages and screening capacity, barriers for early detection of ADRD and adequate access to care, and recommendations regarding provider shortages and diagnostic pathways.

HRSA
Health Workforce

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GWEP AFHS Status

- Institute for Healthcare Improvement
Age-Friendly Recognition (includes mentation) through
January 2024
  - **Level-1: Participant**
    - 272 primary care practice sites
    - 48 GWEP grant recipients
  - **Level-2: Committed to Care Excellence**
    - 144 primary care practice sites
    - 31 GWEP grant recipients

HRSA
Health Workforce

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Questions and Thank You for Your Help

HRSA
Health Workforce

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Contact Us

Joan Weiss, PhD, RN, CRNP, FAAN
Deputy Director, Division of Medicine and Dentistry
Phone: (301) 443-0430
HRSA Bureau of Health Workforce

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Health Workforce

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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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Bruce Finke, MD
bruce.finke@ihs.gov

NAPA Advisory Council Federal Update
January 22, 2024

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INDIAN HEALTH SERVICE

IHS Alzheimer's Grant Program

Grants & Program Awards
Addressing Alzheimer's in Indian Country: Models of Care

Program Support & Data

Workforce Development
Education & Training
Caregiver Support Coaching

Outreach & Dementia Awareness

Funding:
FY 2021: $5M
FY 2022: $5.5M
FY2023: $5.5M
FY2024 $5.5M

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IHS Alzheimer's Grant Program

INDIAN HEALTH SERVICE

2024

New NOFO for grants to established programs

Indian Health GeriScholars 3rd cohort

Dementia & Caregiver ECHOs

GEDA initiative w/ Nursing

Geriatric Nurse Fellowship pilot w/ Nursing

Dental Mini-Cog Screening expansion w/ Oral Health

CHR Mini-Cog screening pilot w/ training

Dementia Training @ DCCS Conference

Exploring CHR Risk Reduction

New resources in Training and Workforce Development and Communications.

2023

8 Grants Awarded

Indian Health GeriScholars Pilot 2nd cohort

Dementia & Caregiver ECHOs

Geriatric Emergency Department Accreditation (GEDA) initiative w/ Nursing

Geriatric Nurse Fellowship pilot w/ Division of Nursing

Dental Mini-Cog screening pilot w/ Division of Oral Health

CHR Mini-Cog screening pilot w/ CHR Consultant

2022

Program support hired

4 Grants Awarded

Indian Health GeriScholars Pilot 1st cohort

Indian Country Dementia ECHO pilot with NPAIHB

MOU with Alzheimer's Association

Coordination with HRSA GWEPs

2021

1st Congressional Appropriation

Tribal Consultation Urban Confer

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

INDIAN HEALTH SERVICE

"…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 – 8 Awards
- Absentee Shawnee Tribal Health System (OK)
- Cherokee Nation Health Systems (OK)
- The Cheyenne and Arapaho Tribes (OK)
- The Confederated Tribes of Grand Ronde Community of Oregon (OR)
- The Fallon Paiute-Shoshone Tribe (NV)
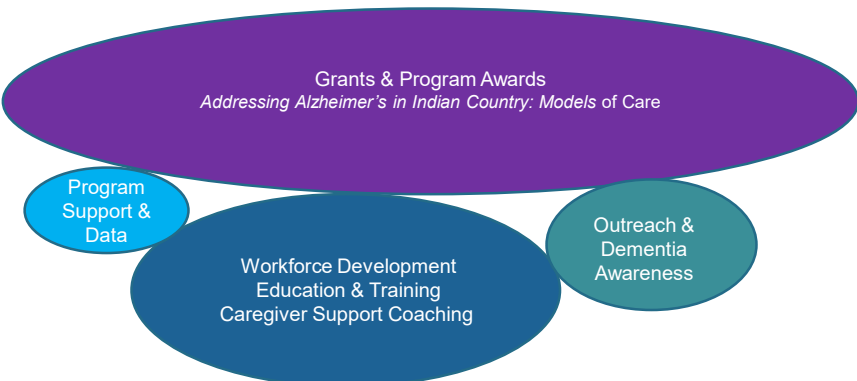- The Kenaitze Tribe (AK)
- The Norton Sound Health Center (AK)
- The Seattle Indian Health Board (WA)

2022 4 Awardees – entering into their 2nd year
- The Indian Health Board of Minneapolis, Inc. (MN)
- The Indian Health Council, Inc. (CA)
- The Nez Perce Tribal Health Authority (ID)
- The Northern Valley Indian Health (CA)

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INDIAN HEALTH SERVICE

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."

2024 – Anticipated Notice of Funding Opportunity (Forecast)
- Targeted toward programs with established efforts to address dementia
- 3 years additional funding support
- Further development of the models of care
- Sustainability

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INDIAN HEALTH SERVICE

Additional Funding Support:
Capacity Building

Dental Clinic Early Dementia Detection Initiative Continues
- Partnership with IHS Division of Oral Health
- 2nd round of 5 IHS and Tribal facilities
  - Support to integrate cognitive assessment and referrals into dental care

Community Health Representatives (CHR) Dementia Detection Initiative Launched
- Partnership with IHS CHR program
- 6 Tribal sites from 6 IHS areas selected and funded to train CHRs to integrate detection of cognitive impairment into their usual workflow
  - Training in use of tools to detect (e.g. mini-cog)
  - Follow-up referrals and support services
  - Partner with Oklahoma University Dementia Care Network (GWEP) for dementia training

Geriatric Emergency Department Accreditation (GEDA) Initiative Continues
- Partnerships with IHS Division of Nursing
- Currently 9 IHS and Tribal sites with Bronze accreditation
- New cohort recruited - 4 confirmed and 2 tentative
  - New (Bronze) and advancing (Silver)

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Workforce Development

Indian Health Geriatric Scholars Pilot Continues
- 2023 GeriScholars From 14 sites, 7 IHS, 6 Tribal, and 1 Urban representing 7 IHS Areas have completed intensive training.
- Plans for local improvement including:
  - dementia recognition, evaluation and diagnostic process, polypharmacy, annual wellness visit with cognitive assessment, goals of care discussions, social isolation

Geriatric Nurse Fellowship Pilot Launched
- Partnership with the IHS Division of Nursing
- 19 applicants
- Training options to meet needs of nurses in a variety of roles
- Funding to sponsoring program to support time for training
- Goal directed – with commitment to improve care

Clinical and Community Services 2024 Meeting (in development)
- Summer 2024
- Training in detection of cognitive impairment
- Opportunity for growing community of "champions", including grantees, GeriScholars, Nurse Geriatric Fellows, CHRs, and Oral Health professionals to share with each other and others

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Workforce Development

Indian Country Dementia Clinical and Caregiver ECHOs Continue
- Monthly with archives for viewing
- Clinical: case-based learning to strengthen primary care knowledge and confidence
- Caregiver: training and mentorship for Indian Health staff providing coaching and support for caregivers
- 526 participants in 2023 since launch in May
- Greatest training need: care planning, management, and referrals (72%)

Training and Technical Assistance Contract RFQ Out for Open Bid – Closes 1/19

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Outreach and Awareness

Expanding Efforts
- Pilot regional elder-focused health and wellness event
- Communications support contractor funded
  - e-news, video and photo assets, website development
- National Caregiver Month blog and social media campaign
- 8 other Alzheimer's and older adult observances via social media
- Tribal leader updates highlighting work across IHS, Tribal, and Urban Indian communities
- YouTube channel for trainings and webinars
- Online calendar of events
- Continuing to grow listserv and community

Program Support and Data

- **Enhanced Technical Assistance to IHS Grantees**
  - Site visits to all grantees
  - Learning collaborative
- **Data Dashboard in development**
- **First Annual Report in draft**

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For More Info

The IHS Alzheimer's Grant Program
- www.ihs.gov/alzheimers/

2023 Alzheimer's Grant Program funding opportunities
- www.ihs.gov/alzheimers/fundingopps/2023fundingopp/

Education and training resources and opportunities
- www.ihs.gov/alzheimers/alztraining/

Dementia information and links
- www.ihs.gov/alzheimers/informationresources/alzdementiaresources/

Stay Connected and join the IHS Elder Care Listserv
at www.ihs.gov/alzheimers/

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FY 2024 Appropriations Status

- **House FY 2024 appropriations bill:**
  - On June 14, 2023, the House Labor-HHS spending bill advanced out of subcommittee. The bill must still be considered by the full committee and then passed by the House. If enacted:
    - $43 billion for NIH, a decrease of $3.8 billion from the FY 2023 enacted level.
    - **$4.41 billion for NIA** – essentially flat-funding relative to the FY 2023 enacted level.

- **Senate FY 2024 appropriations bill:**
  - On July 27, 2023, the Senate Labor-HHS spending bill advanced out of the full Appropriations committee. The bill must still be passed by the Senate. If enacted:
    - $47.8 billion for NIH, an increase of $943 million in discretionary spending over FY 2023.
    - **$4.51 billion for NIA**, an increase of more than $100 million over the FY 2023 enacted level.
      - $90 million increase for Alzheimer's and related dementias research.
      - $12 million for palliative care research.
    - Overall, $100 million in increased NIH funding for dementia research:
      - $90 million to NIA *(referenced above)*, plus $10 million to NINDS.

- NIH & most other federal agencies are **currently funded through Mar. 8, 2024, via a Continuing Resolution**.

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Interim Allocations for Competing Research Grant Awards, FY 2024

CSR-Reviewed Research Applications (Percentile Based)				
	General Pay Line, <$500K	General Pay Line, ≥$500K	AD/ADRD Pay Line, <$5M	AD/ADRD Pay Line ≥$5M
All applications; exceptions see website	8%	5%	12%	10%
N.I. R01s	11%	8%	15%	13%
E.S.I. R01s	13%	10%	17%	15%

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.

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Interim Pay Lines, FY 2024

NIA-Reviewed Applications (Overall Impact Score based)		
	General Pay Line	AD/ADRD Pay Line
Program projects	10	12
Other NIA-reviewed research	10	12
Career development awards	18	25
Fellowship awards	20	30

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Total Active NIA AD/ADRD Clinical Trials

73 Pharmacological

213 Dementia Care and Caregiving

8 Treatments for Neuropsychiatric Symptoms

Total AD/ADRD Trials: **488**

171 Non-Pharmacological

23 Diagnostic Tools, Assessments and Imaging Studies

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Active NIA AD/ADRD Clinical Trials

Pharmacological — 73 TRIALS

Phase I & Phase II — 59 trials
Targeted Disease Process

Process	Count
Amyloid	8
Multi-target	7
Inflammation	7
Receptors	6
Metabolism/Bioenergetics	6
Vasculature	5
Growth Factors/Hormones	4
Synaptic Plasticity	4
Circadian Rhythm	3
Oxidative Stress	3
Tau	2
Other	4

Phase II/III & Phase III — 14 trials
Targeted Disease Process

Process	Count
Amyloid	5
Multi-target	2
Vasculature	2
Circadian Rhythm	1
Inflammation	1
Metabolism/Bioenergetics	1
Receptors	1
Tau	1

Non-Pharmacological — 171 TRIALS

Modality

Modality	Count
Exercise	43
Neurostimulation	27
Cognitive Training	20
Sleep-related	16
Combination Therapy	14
Diet/Supplements	10
Stress Reduction/Mindfulness	7
Social Engagement	3
Music	1
Other	30

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

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Data last updated: September 2023.

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Dementia Care and Caregiving — 213 TRIALS

Type

Type	Count
Formal Care Settings	44
Improving Caregiver Health and Well-Being	43
Caregiver Assessments, Tools, Training, and Education	27
Home or Informal Care Settings	23
Technology Assisted Monitoring and Care	19
Improving Surrogate Communication and Decision Making	11
Palliative and End-of-Life Care	11
Advance Care Directives/Planning	9
Family-Based	5
Long-term Care Services and Supports and Care Coordination	5
Staff Training and Professional Development	5
Other	11

Diagnostic Tools, Assessments, & Imaging Studies — 23 TRIALS

	Count
Diagnostic Tools, Assessments, & Imaging Studies	23

Treatments for Neuropsychiatric Symptoms — 8 TRIALS

	Count
Pharmacological	5
Non-pharmacological	3

Total Number of Trials — 488

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

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Data last updated: September 2023.
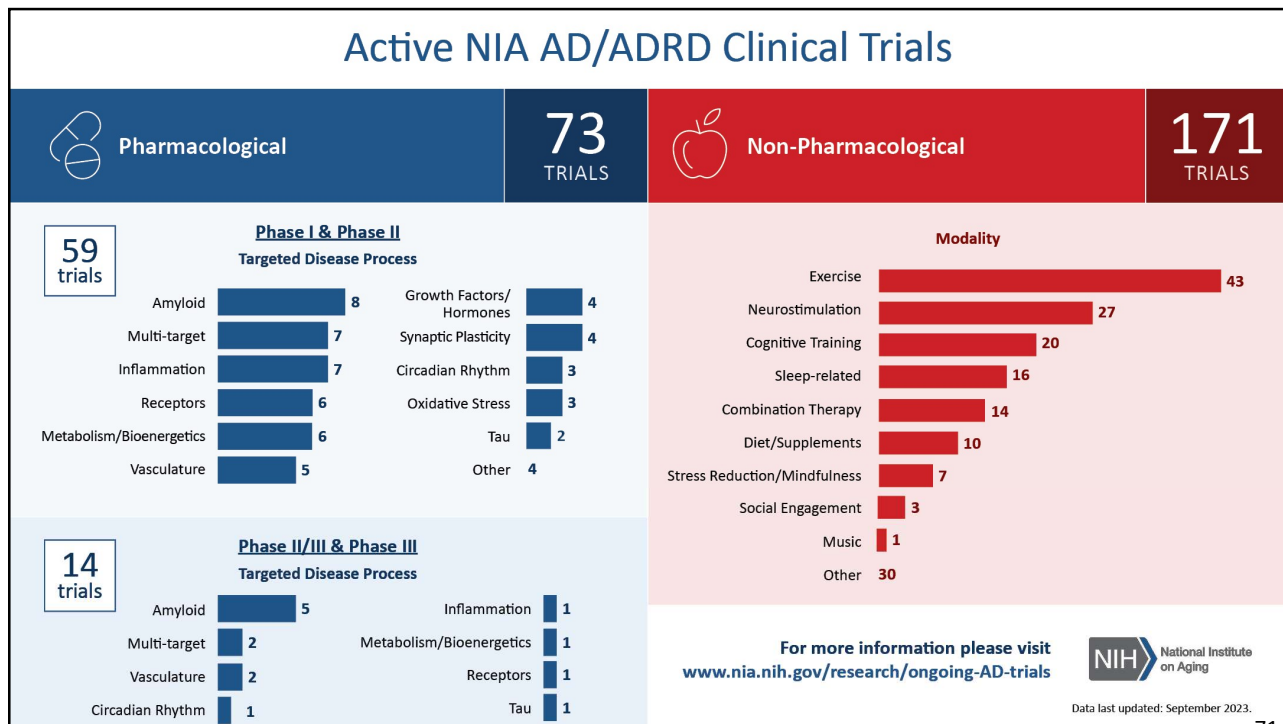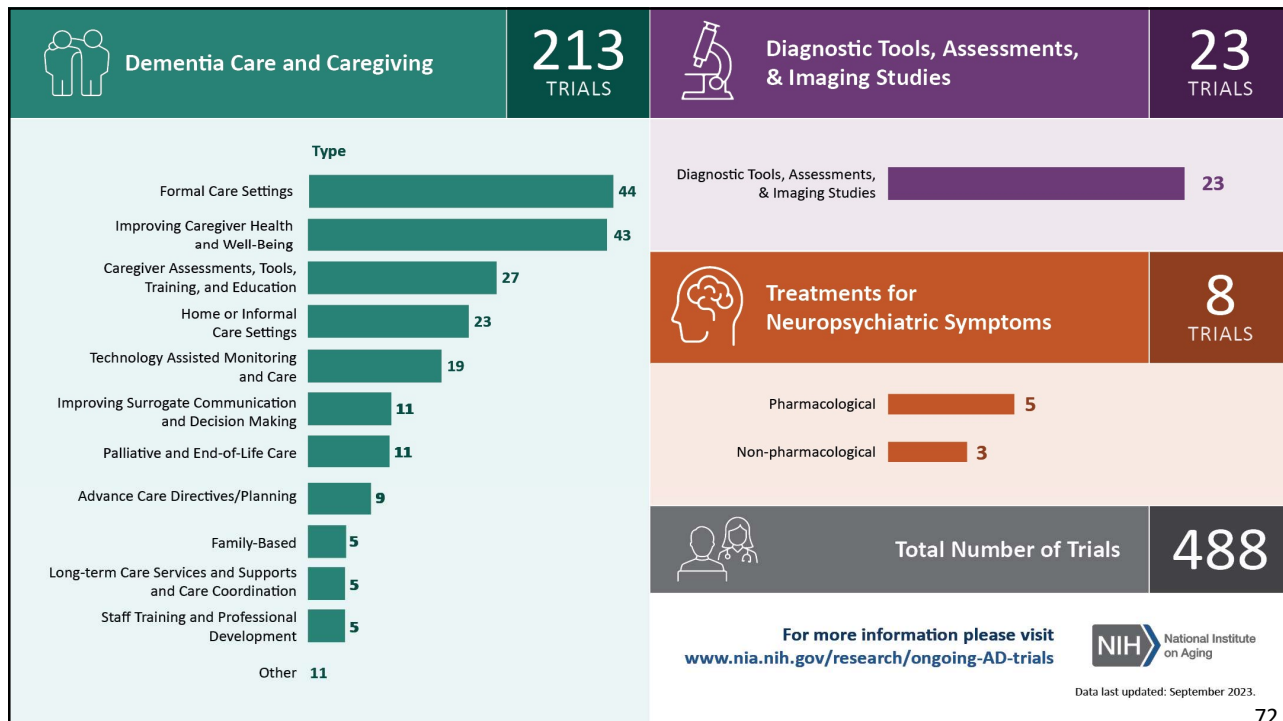
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NASEM Study on Research Priorities for Preventing and Treating AD/ADRD

- **Task order established:**
  March 27, 2023

- **Committee established:**
  Fall 2023

- **Two meetings thus far**

- **Most recent public meeting:**
  Jan 16-17, 2024

- **Final report anticipated:**
  Jan-Mar 2025

The agreement directs NIA, working with NINDS, to **enter into an agreement with NASEM within 60 days of enactment of this Act to identify research priorities for preventing and treating AD/ ADRD.** An ad hoc committee of NASEM will conduct a study and recommend research priorities to advance the prevention and treatment of ADI ADRD. In conducting its study, the committee will:

1) Examine and assess the current state of biomedical research aimed at preventing and effectively treating AD/ADRD, along the R&D pipeline from basic to translational to clinical research;

2) Assess the evidence on nonpharmacological interventions aimed at preventing and treating AD/ADRD;

3) Identify key barriers to advancing AD/ ADRD prevention and treatment (e.g., infrastructure challenges that impede large scale precision medicine approaches, inadequate biomarkers for assessing response to treatment, lack of diversity in biobanks and clinical trials), and opportunities to address these key barriers and catalyze advances across the field;

4) Explore the most promising areas of research into preventing and treating AD/ADRD.

NIH National Institute on Aging | https://www.nationalacademies.org/our-work/research-priorities-for-preventing-and-treating-alzheimers-disease-and-related-dementias | **73**

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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:
- Centers on the Demography and Economics of Aging, Including AD/ADRD, and Coordinating Center
- Consortium for Neuroscience AD/ADRD in Low- and Middle-Income Countries
- Deriving Common Data Elements From Real-World Data for AD/ADRD
- Exploring Proteogenomic Approaches to Unravel the Mechanisms of Mis-folded Protein Accumulation in Tauopathies
- Multi-Scale Models Bridging Levels Of Analysis In Aging and AD/ADRD
- Open Measurement Coordinating Network for Non-Pharmacological AD/ADRD Primary Prevention Trials
- Quantitative Systems Pharmacology Approach to Develop Predictive Models of Differential Responsiveness to Treatment
- Small Research Grant Program for the Next Generation of Researchers in Low- And Middle-Income Countries for Aging and AD/ADRD Research
- Translational Bioinformatics and Experimental Approaches to Advance Drug Repositioning and Combination Therapy Development for AD/ADRD

NIH National Institute on Aging | **For the full list of cleared concepts: https://www.nia.nih.gov/approved-concepts** | **74**

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Recently Published AD/ADRD Funding Opportunities

- **Seamless Early-Stage Clinical Drug Development (Phase 1 to 2a) for Novel therapeutic Agents for the Spectrum of Alzheimer's Disease (AD) and AD-related Dementias (ADRD) (UG3/UH3 Clinical Trial Required)/PAR-23-274**- to support the bundling of Phase 1 through Phase 2a clinical trials to help streamline and accelerate the evaluation of promising novel AD/ADRD drug candidates. (first application due date is Feb. 21, 2024)

- **Building Neuroscience Research Infrastructure for Alzheimer's Disease (AD) and AD-Related Dementias (ADRD) in Africa (UG3/UH3 Clinical Trial Not Allowed)/RFA-AG-24-027**- to support the development or enhancement of research infrastructure for AD/ADRD in Africa. (apply by Feb. 14, 2024)

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EUREKA Challenge for Early Prediction of AD/ADRD

- A challenge prize competition to **discover the best data, methods, and strategies for the early prediction of Alzheimer's and related dementias** launched in September 2023.

- Phase 1 submissions are due on January 31, 2024.

- The challenge includes an emphasis on **building diverse teams and solutions that generalize to groups that historically have been excluded from participation in AD/ADRD research**.

- The challenge intends to offer cash awards totaling $650,000.

PREPARE: **P**ioneering **R**esearch for **E**arly **P**rediction of **A**lzheimer's and **R**elated Dementias **E**UREKA Challenge

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https://www.challenge.gov/?challenge=prepare-challenge **76**

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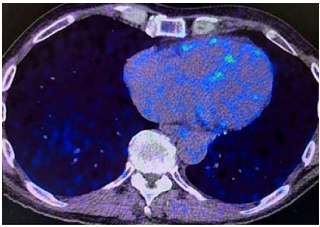
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Detecting & Diagnosing AD/ADRD at Earlier Stages

- Identifying AD/ADRD at early stages, when interventions are most likely to be effective, requires reliable and accessible biomarkers and diagnostic tools.

Imaging	Blood biomarkers	Data tools

^{18}F-dopamine PET scanning   PrecivityAD2   eRADAR

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Evolving Technologies for Drug Delivery

- **Subcutaneous administration of monoclonal antibodies**
  - Currently approved form of lecanemab is administered via IV infusion (aducanumab and donanemab also delivered in this manner).
  - Recent data on subcutaneous administration of lecanemab showed similar efficacy to IV infusion; Eisai has announced plans to submit application for approval of this form
- **Focused ultrasound to temporarily 'open' the blood-brain barrier**
  - NIA-funded foundational work demonstrated focused ultrasound could enhance delivery of therapeutics across the blood-brain barrier
- **"Trojan Horse" method**
  - Attaching therapeutics to compounds that can cross the blood-brain barrier (e.g., trontinemab = gantenerumab + "brain shuttle"; TNF-alpha inhibitors)

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Addressing ARIA and Other Side Effects

- The research field is working on developing countermeasures for ARIA
- Enhanced drug delivery (as described on the previous slide) may reduce levels of ARIA and related side effects
  - Focused ultrasound may reduce adverse effects normally associated with monoclonal antibodies
  - Data presented in October 2023 at the Clinical Trials on Alzheimer's Disease (CTAD) conference on trontinemab (gantenerumab + "brain shuttle") showed relatively low ARIA rates (<10% of participants)
- NINDS-NIA workshop on ARIA in September 2023 to share progress and identify research gaps and opportunities

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Developing Combination Therapies

- One drug alone is unlikely to be sufficient to address the complexity of AD

- NIA is funding trials of combination therapies, including:

Trial Name	Drug Description	Phase	Population	Funding End Date
DIAN-TU: Tau Next Generation Prevention Trial	Combination of an anti-tau immunotherapy with **lecanemab**, an anti-amyloid antibody	III	Cognitively healthy or mildly impaired adults who are Alzheimer's disease genetic mutation carriers.	2025
Alzheimer's Tau Platform (ATP) Clinical Trial	2 different anti-tau therapies alone and in combination with anti-amyloid therapy	III	Adults ages 60 and older with asymptomatic Alzheimer's or mild cognitive impairment	2028

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Developing a Broad Range of Interventions to Prevent and Treat Dementia

- NIA supports trials of a variety of interventions to prevent and treat Alzheimer's and related dementias

- Includes drug therapies as well as lifestyle and behavioral interventions

- SMARRT Trial: Multidomain personalized risk-reduction intervention focused on health and lifestyle changes led to modest improvements in cognition, dementia risk factors, and quality of life compared to control

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Summary of Recent Progress in AD

	2016	2023
Diagnostics	• Amyloid PET agents	• Amyloid PET agents • Tau PET agents • Blood biomarkers for amyloid and tau (e.g., PrecivityAD/PrecivityAD2) • Data-based tools (e.g., eRADAR) • Electronic/digital assessments
Symptom Management	• Cholinesterase inhibitors (e.g., donepezil) • Glutamate regulators (e.g., memantine)	**Pharmacological options**: • Brexpiprazole for agitation related to AD (approved 2023) • Cholinesterase inhibitors (e.g., donepezil) • Glutamate regulators (e.g., memantine) **Non-drug options:** • Interventions for care and caregivers

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Summary of Recent Progress in AD

	2016	2023
Disease-modifying therapies	None	• Lecanemab (FDA traditional approval in 2023) • Donanemab (FDA decision expected Q1 2024) • Several additional therapies in the pipeline, with more diverse targets than ever before
Risk reduction	None	• Intensive blood pressure control • Hearing interventions • Personalized lifestyle interventions
Dementia care & caregiving	Foundational work to develop and test specific care models for efficacy & effectiveness	• Two intervention types for care and/or caregiver support identified as ready for broader implementation with continued evaluation • Multiple lines of study on adaptations and broader implementation of promising models

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Announcements

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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.

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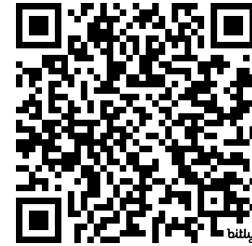
Learn more at www.nia.nih.gov/50years.

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Save the Date:
2024 NIH Alzheimer's Disease Research Summit

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

September 23-25, 2024

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NINDS Updates

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Alzheimer's Disease-Related Dementias (ADRD) Research Roundtable 2023
November 2, 2023, Bethesda, MD (& Virtual)

More than 50 attendees including from non-governmental organizations and NIH, with 24 NGOs represented and 14 people with lived experience, including 3 panelists.

Goals
- Facilitate discussion on NIH ADRD research priorities
- Provide an update on the NIH ADRD programs
- Share NGO success stories and innovative approaches to research
- Discuss shared ADRD research goals to inform vision for the ADRD Summit 2025
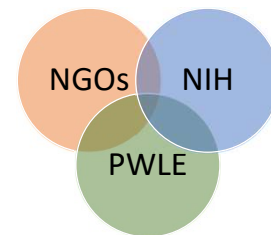
Meeting Sessions
- Biomarkers – Opportunities and Challenges
- Anti-Amyloid-Beta Therapies
- Networking session for NGO, PWLE, and NIH participants
- Practical Considerations in Early Detection, Treatment, and Prevention

NGOs   NIH   PWLE

NIH National Institute of Neurological Disorders and Stroke
NIH National Institute on Aging

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NINDS ADRD Funding Opportunities

Biologic mechanisms driving ADRD
- TBI pathology as it relates to cognitive impairment/dementia,
- TBI and cognitive/dementia outcomes.
- Models for ADRD
- Role of stress as a social determinant of ADRD
- TDP Proteinopathies
- COVID 19 and ADRD
- **ARIA-**
  - BBB response to anti-amyloid antibodies

Co Pathologies
- Mechanistic studies of Multiple Etiology Dementias
- Multi target interventions for ADRD

Therapy development-
- Early phase therapy development
- Genome editing

Biomarkers
- PET ligand development.
- Multimodal biomarkers to differentially diagnose ADRD for clinical trials
- Validating digital health technologies for monitoring biomarkers in ADRD clinical trials.

Clinical Trials
- Anti-amyloid therapy for AD plus vascular pathology, AD plus Lewy Body
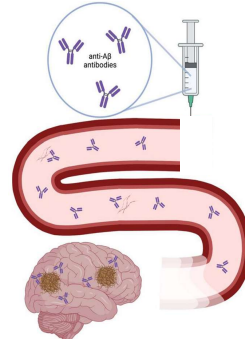
Training
- Training program for ADRD research- T32
- Postdoc to

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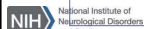
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NINDS ADRD Clinical Trial Funding Opportunity

Adapted from Foley, K.E. and Wilcock, D.M.
Curr Neurol Neurosci Rep 22:709–19 (2022)

Phase III Clinical Trial: RFA-NS-24-013

Efficacy and Safety of β-Amyloid Directed Antibody Therapy in Mild Cognitive Impairment & Dementia with Evidence of Both β-Amyloid & Vascular Pathology
Application Due Date: February 20, 2024

Contact: Dr. Rebecca Hommer (rebecca.hommer@nih.gov)

Drug name	Clinical Trial	Company	FDA Status
ADUHELM (Aducanumab)	EMERGE (NCT02484547) ENGAGE (NCT02477800) PRIME (NCT01677572)	Biogen	Accelerated Approval
LEQEMBI (Lecanemab-IRMB)	Clarity-AD (NCT03887455)	Esai	Traditional Approval
Donanemab	TRAILBLAZER-ALZ (NCT03367403) TRAILBLAZER-ALZ 2 (NCT04437511)	Eli Lilly	Pending

Additional planned trial: Safety & Efficacy of β-Amyloid Directed Antibody Therapy in MCI & Dementia with Evidence of both β-Amyloid Pathology & Lewy Body Dementia

National Institute of Neurological Disorders and Stroke
National Institute on Aging

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NINDS VCID Funding Opportunity

VCID Center Without Walls for Understanding and Leveraging Small Vessel Cerebrovascular Disease Mechanisms in ADRD (R01) RFA-NS-24-027
Application Due Date: February 01, 2024

Contact: Dr. Roderick Corriveau (roderick.corriveau@nih.gov)

Goal is to support parallel human-based and model-based studies to advance understanding of basic disease-related molecular mechanisms related to vascular disease that contributes to clinical dementia diagnoses.

Focus is on cerebral small vessel disease related to VCID, including with single cell human tissue approaches, for atherosclerosis (direct impact or downstream), arteriolosclerosis, & cerebral amyloid angiopathy.

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Future Potential of Genome Editing Therapy

HOW CRISPR GENE EDITING COULD HELP TO TREAT ALZHEIMER'S

Some researchers hope that gene editing can conquer forms of the disease that are caused by mutations.

Nature | Vol 625 | 4 January 2024 | 13

nature COMMUNICATIONS

ARTICLE

https://doi.org/10.1038/s41467-018-07971-8   OPEN

CRISPR/Cas9 editing of APP C-terminus attenuates β-cleavage and promotes α-cleavage

Jichao Sun[1], Jared Carlson-Stevermer[2,3], Utpal Das[4], Minjie Shen[5], Marion Delenclos[6], Amanda M. Snead[7], So Yeon Koo[7], Lina Wang[1], Dianhua Qiao[1], Jonathan Loi[8], Andrew J. Petersen[5], Michael Stockton[5], Anita Bhattacharyya[5], Mathew V. Jones[8], Xinyu Zhao[5,8], Pamela J. McLean[6], Andrew A. Sproul[7,9], Krishanu Saha[2,3] & Subhojit Roy[1,8]

ALZHEIMER'S ASSOCIATION
AAIC 24

Subhojit Roy lab at UCSD have developed a gene-editing strategy that targets the amyloid precursor protein (APP). Depending on how it is cut by various enzymes in the brain, APP can create products that are either protective (sAPPa) or pathologic (beta amyloid). The approach hopes to reduce the production of beta amyloid while increasing neuroprotective actions.

Boris Kantor at Duke University and colleagues described an epigenome therapy platform based on CRISPR/dCas9-editing strategy intended to reduce APOE-e4. The scientists found that their lead candidate can robustly reduce the levels of APOE-e4 in both human induced pluripotent stem cell derived miniature brains from an Alzheimer's patient and humanized mouse models.

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NINDS Alzheimer's Disease-Related Dementias (ADRD) Program

NINDS has 14 ADRD funding initiatives for FY 2024.

For more information see NINDS Focus on Alzheimer's Disease and Related Dementias page : 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)

Published funding announcements will also be shared via the **NINDS ADRD Listserv**
Email kiara.bates@nih.gov to sign up!

Training & Career
Models
Disease Mechanisms
Translation
Clinical Trials, Clinical Research

AD/ADRD Research Supplements to Promote Diversity in Health-Related Research NOT-NS-21-047, PA-21-071

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