

# Alzheimer's Disease and Related Dementias Research Update

## FY 2025 Professional Judgment Budget

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## Professional Judgment Budget Language

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SEC. 230. Hereafter, for each fiscal year through fiscal year 2025, the Director of the National Institutes of Health shall **prepare and submit directly to the President for review and transmittal to Congress, after reasonable opportunity for comment, but without change, by the Secretary of Health and Human Services and the Advisory Council on Alzheimer's Research, Care, and Services, an annual budget estimate (including an estimate of the number and type of personnel needs for the Institutes) for the initiatives of the National Institutes of Health pursuant to the National Alzheimer's Plan,** as required under section 2(d)(2) of Public Law 111–375.



## Combined External and Internal Input – FY25 AD/ADRD Professional Judgment Budget



## Using CADRO as a Framework

- The eight CADRO (Common Alzheimer’s Disease Research Ontology) categories provide the overarching framework for the FY 2025 Professional Judgment Budget and narrative.
- CADRO provides the framework for IADRP (the International Alzheimer’s Disease Research Portfolio) and will allow tracking of implementation in the budget areas in future years.

## Professional Judgment Budget FY 2025, Projected Costs and Additional Resources Needed

ADDITIONAL RESOURCES NEEDED	Amount
Epidemiology/Population Studies	\$82,000,000
Disease Mechanisms	\$35,000,000
Diagnosis, Assessment, and Disease Monitoring	\$72,000,000
Translational Research and Clinical Interventions	\$131,000,000
Dementia Care and Impact of Disease	\$28,050,000
Research Resources	\$101,000,000
Alzheimer's Disease-Related Dementias	\$45,000,000
Staffing Needs and Administrative Support	\$10,014,000
<b>Total Costs for New AD/ADRD Research</b>	<b>\$504,064,000</b>
Less: Funding from completed projects that will be available for new AD/ADRD research	(\$186,000,000)
<b>Additional FY 2025 Resources Needed for New AD/ADRD Research</b>	<b>\$318,064,000</b>



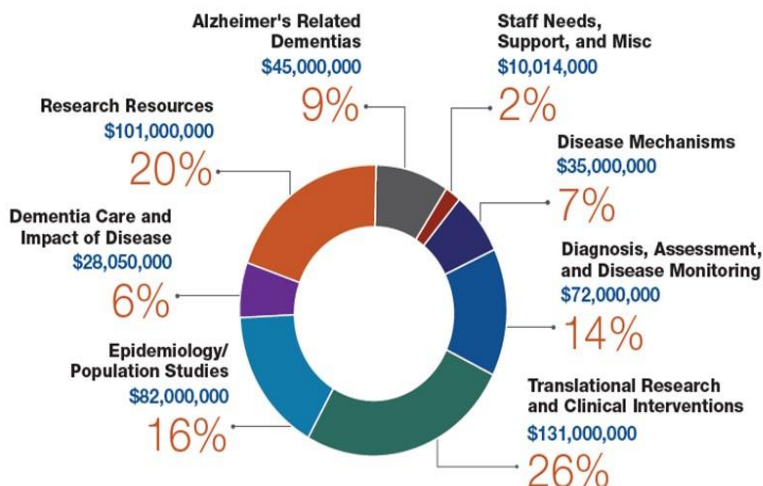
## Total Resource Needs, FY 2025

PROFESSIONAL JUDGMENT BUDGET FY 2025 TOTAL RESOURCES NEEDED	Amount
Baseline Estimate (based on FY 2023 enacted dollars) for AD/ADRD Research Spending	\$3,749,000,000
Additional FY 2025 Resources Needed for New AD/ADRD Research	\$318,064,000
<b>Total FY 2025 Resources Needed for AD/ADRD Research</b>	<b>\$4,067,064,000</b>





## Distribution of FY 2025 Projected Costs Across Research Areas



**Total Projected Costs:**  
\$504,064,000

**Additional Resources Needed for New Research:**  
\$318,064,000

*\* In FY 2025, the projected cost of resources needed for new and evolving research to meet the research goals of the National Plan to Address Alzheimer's Disease is \$504 million. The estimate is reduced by \$186 million in funding from completed projects that will be available for new research initiatives. As a result, the additional resources needed for new research in the FY 2025 budget are \$318 million.*



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## FY 2025 Professional Judgment Budget Narrative: Examples of Potential Future Research Opportunities

- Organized by six research areas, with an additional cross-cutting area.
  - > Epidemiology/Population Studies
  - > Disease Mechanisms
  - > Diagnosis, Assessment, and Disease Monitoring
  - > Translational Research and Clinical Interventions
  - > Dementia Care and Impact of Disease
  - > Research Resources
  - > *Cross-cutting: International Studies*



<https://www.nia.nih.gov/bypass-budget>

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## FY 2025 Professional Judgment Budget Narrative: Examples of Potential Future Research Opportunities

- **Epidemiology/Population Studies**

- > Fund efforts to develop novel tools and methods to better understand and describe the contribution of environmental factors to the underlying causes of dementia and health inequities.
- > Employ multiple complementary approaches to explore how viruses, including the virus causing COVID-19, contribute to dementia risk.

- **Disease Mechanisms**

- > Fund innovative research to better understand and characterize RNA modifications associated with brain aging and dementia.
- > Examine ways to protect the brain's blood vessels and the blood-brain barrier to prevent the onset of dementia & enhance treatment with current immunotherapies.



## FY 2025 Professional Judgment Budget Narrative: Examples of Potential Future Research Opportunities

- **Diagnosis, Assessment, and Disease Monitoring**

- > Develop new digital health technologies to advance the detection of cognitive impairment and dementia across diverse populations.
- > Enhance efforts to use rich behavioral datasets to better explain the relationship between dementia progression and behavioral changes.

- **Translational Research and Clinical Interventions**

- > Leverage data to build computational models that can help predict how new and existing drugs impact disease progression and responsiveness to treatment.
- > Employ integrated approaches to identify novel drug candidates for dementia
- > Accelerate dementia prevention trials of dietary and nutrition interventions by funding efforts to develop imaging and blood-based biomarkers of nutrition.



## **FY 2025 Professional Judgment Budget Narrative: Examples of Potential Future Research Opportunities**

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- **Dementia Care and Impact of Disease**
  - > Expand and intensify strategic coordination of palliative care research.
  - > Fund research aimed at measuring the impact of telehealth on people living with dementia and their care partners.
- **Research Resources**
  - > Establish new digital resources that promote interdisciplinary, team science collaboration for the next generation of investigators.
- **Cross-cutting Area: International Studies**
  - > Fund training opportunities that help researchers—such as those with invaluable local contextual knowledge—develop the skills to conduct cross-national studies.
  - > Grow the pool of researchers equipped to carry out complex clinical trials, particularly in low- and middle- income countries.

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