

Looking Forward: Opportunities to Accelerate Alzheimer's and Related Dementias Research

BYPASS BUDGET AT A GLANCE

NIH annually submits to the President and then Congress a Professional Judgment Budget that estimates the additional funding, above the base for Alzheimer's and related dementias, needed to effectively treat and prevent these disorders by 2025. The proposal – often referred to as a “bypass budget” because it is presented without modification through the traditional federal budget process – presents prospective research opportunities that could be supported with additional investment in FY 2024. Examples of research opportunities are organized across six broad scientific categories and one cross-cutting area.



EPIDEMIOLOGY/ POPULATION STUDIES

Goal: With increased investment, NIH plans to fund additional longitudinal studies designed to better understand how, for a given individual or group, different genetic, behavioral, social, cultural, and other environmental factors affect risk for and protection from Alzheimer's and related dementias.



DISEASE MECHANISMS

Goal: With increased investment, NIH will fund research that explores underlying molecular and cellular processes, including the functional role of the many genetic variations that have been recently linked to Alzheimer's and related dementias (functional genomics), and other fundamental research to develop innovative therapies (including novel immunotherapies) to treat these diseases.



DIAGNOSIS, ASSESSMENT, AND DISEASE MONITORING

Goal: With increased investment, NIH seeks to develop the next generation of biomarkers to enable detection and diagnosis even earlier than is now possible, as well as distinguish different forms of dementia from one another.



TRANSLATIONAL RESEARCH AND CLINICAL INTERVENTIONS

Goal: With increased investment, NIH intends to fund the development of advanced tools and data resources to rapidly screen and identify novel therapeutics to pursue a precision medicine approach to treating and preventing dementia.



DEMENTIA CARE AND IMPACT OF DISEASE

Goal: With increased investment, NIH aims to fund research that addresses barriers to integrated care and advances knowledge on the economic impact of care and caregiving.



RESEARCH RESOURCES

Goal: With increased investment, NIH plans to develop and share cutting-edge resources, including new preclinical research tools, to enable the biomedical research community to address scientific challenges and accelerate efforts to prevent and treat Alzheimer's and related dementias.

CROSS-CUTTING AREA: HEALTH EQUITY & INCLUSION SCIENCE

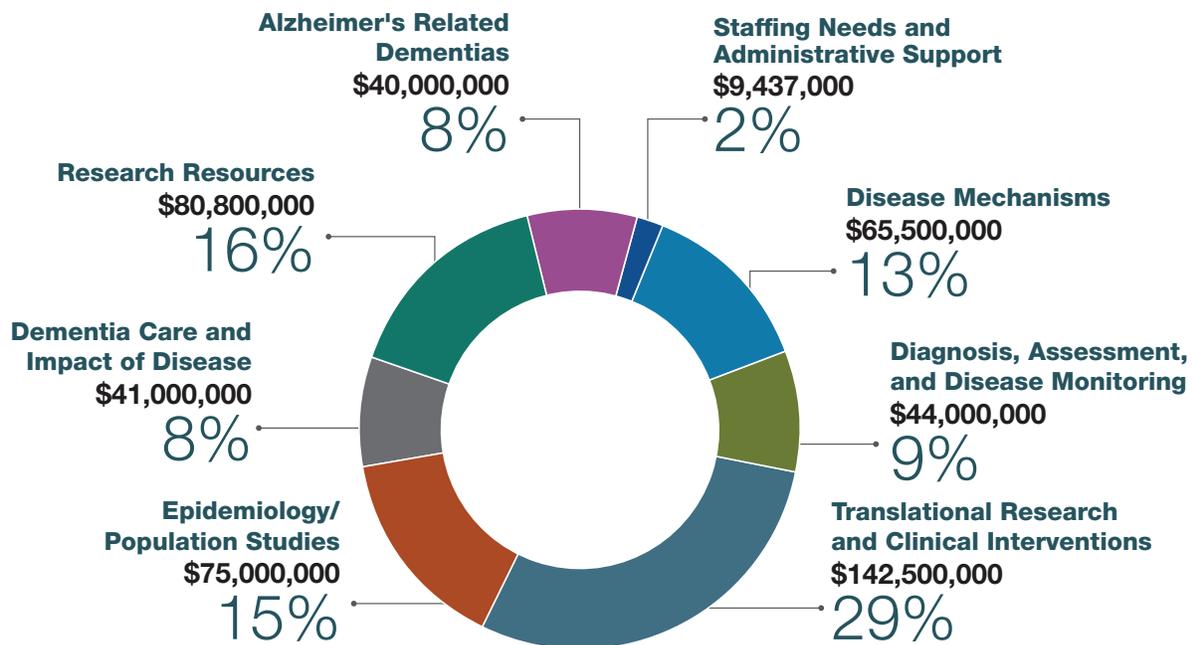
Though a great deal of scientific progress has been made in understanding Alzheimer's and related dementias, we must ensure that these advancements are beneficial to all individuals affected by these diseases. NIH is committed to diversifying the scientific workforce and ensuring that all supported research activities are designed and conducted in a manner and environment that promotes diversity, equity, inclusion, and accessibility. As acknowledged throughout this proposal, continued scientific progress requires an intentional integration of health equity and inclusion across all components of the research enterprise.

PROFESSIONAL JUDGMENT BUDGET FISCAL YEAR 2024

Additional Resources Needed	Amount
Epidemiology/Population Studies	\$75,000,000
Disease Mechanisms	\$65,500,000
Diagnosis, Assessment, and Disease Monitoring	\$44,000,000
Translational Research and Clinical Interventions	\$142,500,000
Dementia Care and Impact of Disease	\$41,000,000
Research Resources	\$80,800,000
Alzheimer's Disease-Related Dementias	\$40,000,000
Staffing Needs and Administrative Support	\$9,437,000
Total Costs for New AD/ADRD Research	\$498,237,000
Less: Funding from completed projects that is now available for new AD/ADRD research	(\$177,000,000)
Additional FY 2024 Resources Needed for New AD/ADRD Research	\$321,237,000

Total Resources Needed	Amount
FY 2022 NIH Estimate (based on FY 2022 enacted dollars) for AD/ADRD Research Spending (baseline estimate) ¹	\$3,553,000,000
ADDITIONAL FY 2024 Resources Needed for New AD/ADRD Research ²	\$321,237,000
Total FY 2024 Resources Needed for AD/ADRD Research	\$3,874,237,000

Distribution of FY 2024 Total Projected Costs Across Research Areas



¹ Baseline estimate represents the Alzheimer's Disease including Alzheimer's Disease Related Dementias (AD/ADRD) category from the **Estimates of Funding for Various Research, Condition, and Disease Categories (RCDC)** website. This category includes Alzheimer's disease, frontotemporal dementia, Lewy body dementia, and vascular cognitive impairment/dementia. Individual disease baseline estimates are available on the RCDC website. The annual estimates reflect amounts that change as a result of science, actual research projects funded, and the NIH budget.

² In FY 2024, the projected cost of resources needed for new and evolving research to meet the 2025 treatment/prevention goal is \$498 million. The estimate is reduced by \$177 million in funding from completed projects that is now available for new research initiatives. As a result, the additional resources needed for new research in the FY 2024 budget are \$321 million.

