

ACCELERATING MEDICINES PARTNERSHIP (AMP)



ALZHEIMER'S DISEASE

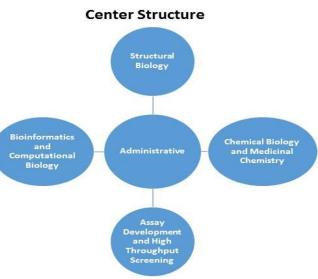
COMPLETED:

- Centralized data resource established AMP-AD Knowledge Portal
- 2. Rich genomic, proteomic, metabolomic human data (raw and processed) made available and being widely used over 2000 users to date.
- 3. Network models of disease pathways/targets developed
- 4. Over 100 novel candidate targets identified and being prioritized in collaboration with industry partners; experimental validation ongoing on over 20 candidate targets/pathways.
- Animal models phenotype/evaluated relative to human networks
- 6. Web-based interface for sharing target nominations and analytical outputs developed - AGORA platform; 100 annotated target predictions and additional 480 key driver genes made publicly available.

AD Centers for Discovery of New Medicines - RFA AG 19-010

-Applications submitted Feb 2, 2019--NIA plans to commit ~\$75M over 5 years to support 2 Centers-

Accelerate robust preclinical validation of candidate targets delivered by AMP-AD and other target discovery programs, through the development of open source tools, reagents and methods and by integrating a series of novel targets into drug discovery campaigns.

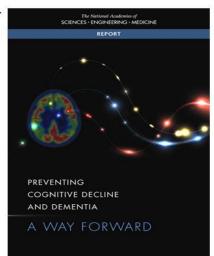


AHRQ-National Academies Study

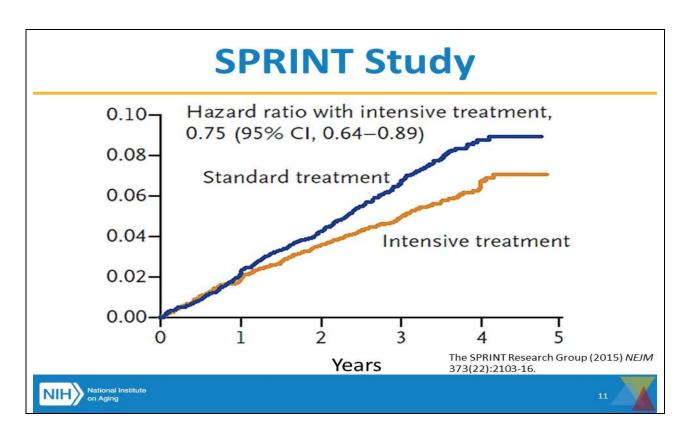
- Assessment of interventions to prevent ADtype dementia, amnestic MCI, and agerelated cognitive decline
- Insufficient evidence to justify a public health campaign
- Encouraging but inconclusive evidence:
 - Cognitive training
 - Blood pressure management in hypertensives
 - Increased physical activity

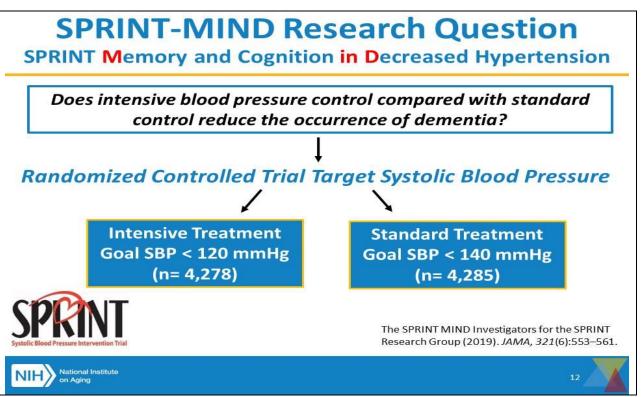
www.nationalacademies.org/dementia





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SPRINT-MIND: Secondary Cognitive Outcomes

- 19% reduction in the rate of developing MCI
- 15% reduction in the rate of composite MCI and probable dementia

The SPRINT MIND Investigators for the SPRINT Research Group (2019). *JAMA*, 321(6):553–561.



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Accelerating Caregiving Research

- Multiple funding solicitations
- 2017 & 2020 care/caregiving research summits
- AD/ADRD Health Care Systems Research Collaboratory
- Systematic review of care/caregiving interventions
- NIA's first Alzheimer's prize



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iCare-AD/ADRD Challenge

Improving Care for People with AD/ADRD Using **Technology Challenge**

Technology applications to improve dementia care coordination and/or care navigation



- Up to \$400,000 in cash prizes
- Submissions October 1, 2018 through June 30, 2019
- See https://nia.nih.gov/challenge-prize for full prize details and archived webinar for participants





ALZHEIMER'S DISEASE-RELATED DEMENTIAS SUMMIT 2019

- On March 15-16, 2019 on the main NIH Campus, Bethesda MD
- Goal: To update the research recommendations from ADRD 2016
- 7 Sessions:
 - Multiple Etiology Dementias
 - o AD/ADRD Health Disparities
 - Lewy Body Dementias
 - Dementia Nomenclature
 - Vascular Contributions to Cognitive Impairment and Dementia
 - Frontotemporal Lobar Degeneration
 - Emerging AD/ADRD TDP-43 in Common Dementias, Traumatic Brain Injuries and AD/ADRD Risk
- Final Recommendations will be approved by NINDS Council in September, submitted to the NAPA Council in November, and will become ADRD Research Milestones after NAPA Council approval





