

Hot Off the Presses: Latest in Alzheimer's & Dementia Research

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Our Time Today ...

- Landscape of Alzheimer's and dementia
- Advances in understanding of Alzheimer's
- Highlights in early detection and diagnosis
- Latest advances from AAIC on clinical trials
 - medicines and lifestyle
- How to get involved today



OUR VISION:

A world without Alzheimer's disease®.

OUR MISSION: To eliminate Alzheimer's disease through the advancement of research; to provide and enhance care and support for all affected; and to reduce the risk of dementia through the promotion of brain health.

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alz.org

We Fund ...



HIGHEST IMPACT NON-PROFIT!
- InCITES



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AAIC > 18

Awareness Continues to Grow



#EndALZ



A photograph of the U.S. Capitol building in Washington, D.C., featuring its iconic white dome and neoclassical architecture, set against a blue sky with scattered white clouds. The building is surrounded by green lawns and trees.

National
Plan to
Address
Alzheimer's
Disease

4X NIH
Budget since
2012 for
Alzheimer's
& Related
Dementia

“Prevent &
Effectively
Treat
Alzheimer's
by 2025”

Alzheimer's
Association
is leading
the way!

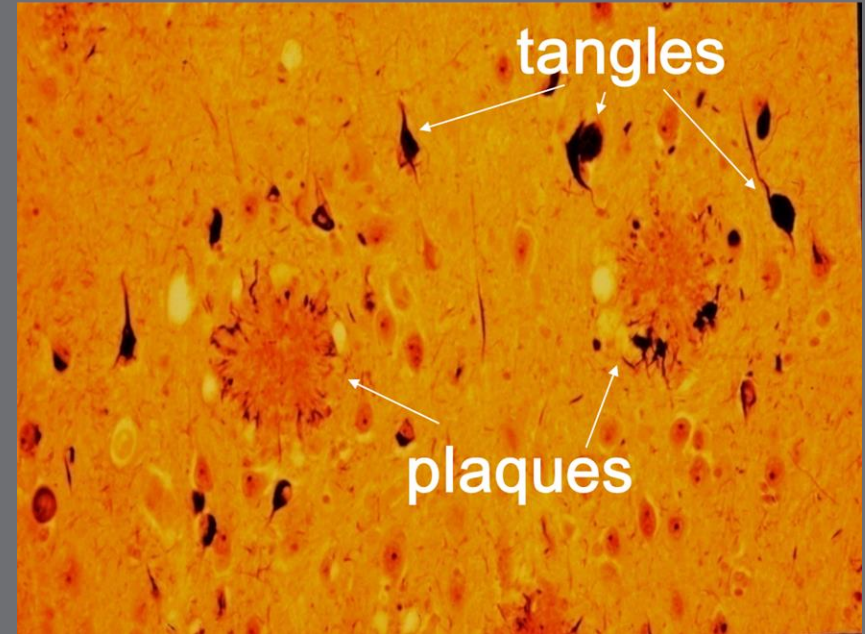
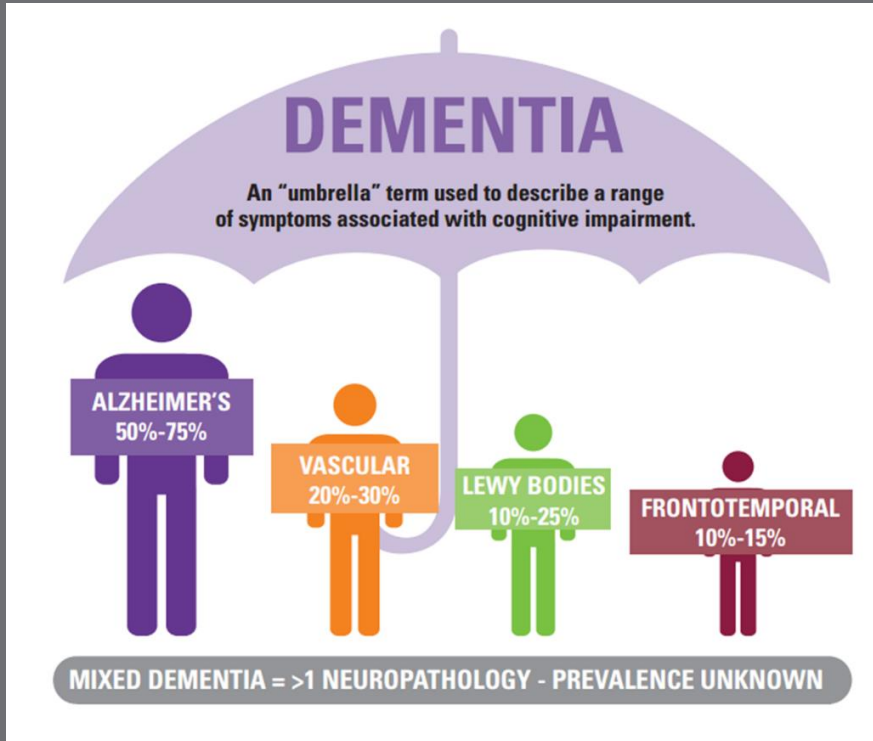
We Advocate

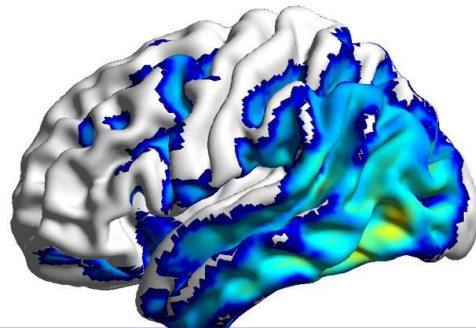
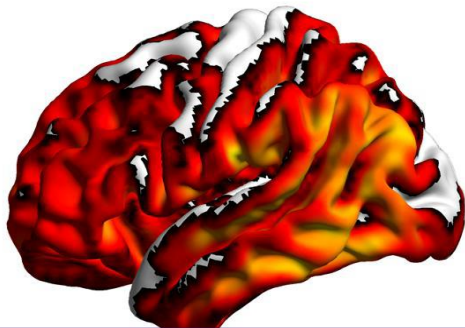


Alzheimer's and Related Dementia Research Funding at the NIH

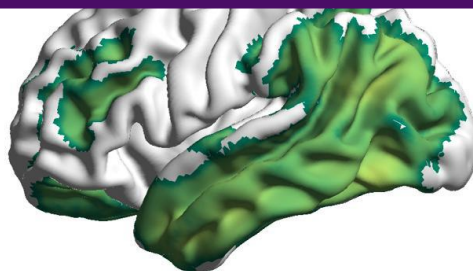


Definitions: Dementia & Alzheimer's



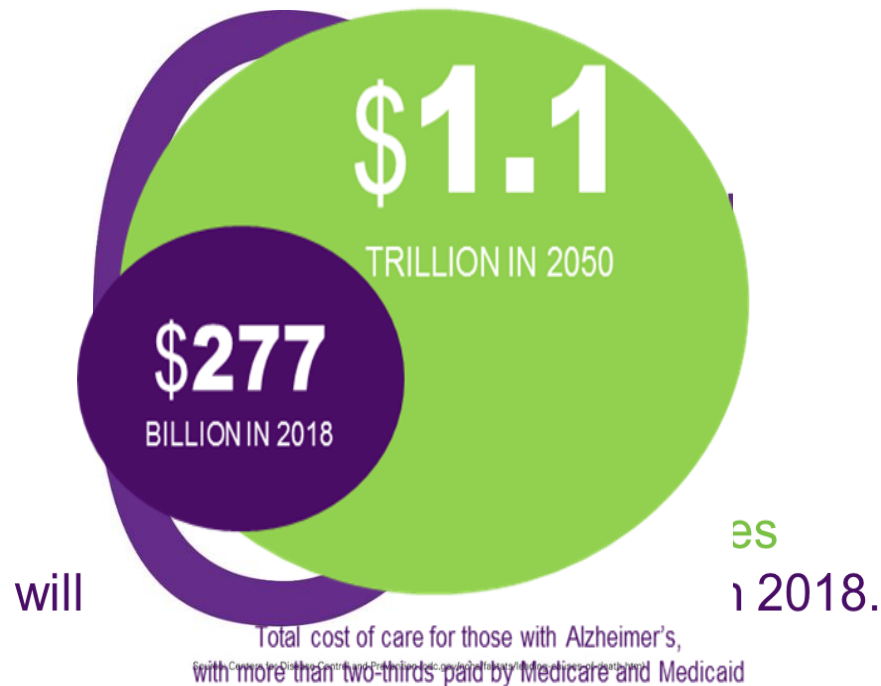


Biology Impacts Behavior



Brain cell death

Impact of Alzheimer's



2/3



of Americans with
Alzheimer's are **women.**

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alz.org/facts

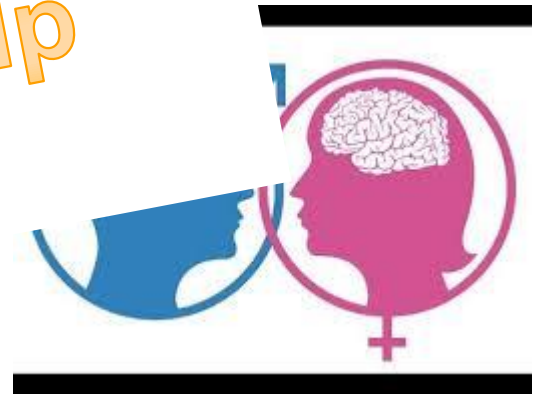
A Woman's Reproductive History and Risk for Dementia

- Lower dementia risk associated with:

- Number of children

Funded \$3M+ to 13 projects
in 2017 and 2018 to help
answer why!

menopause



Continuum of Alzheimer's disease

Cognitively Unimpaired

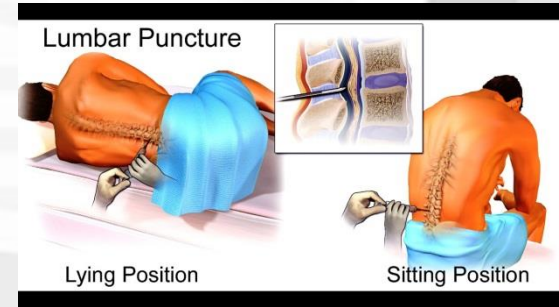
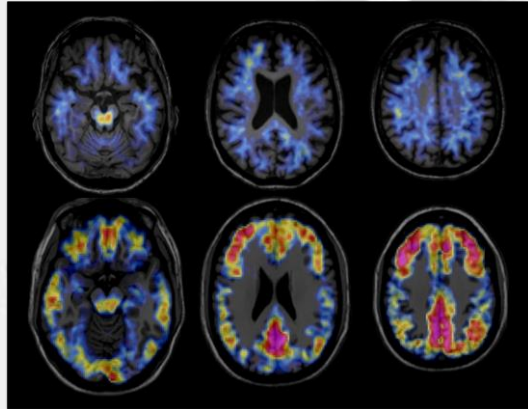
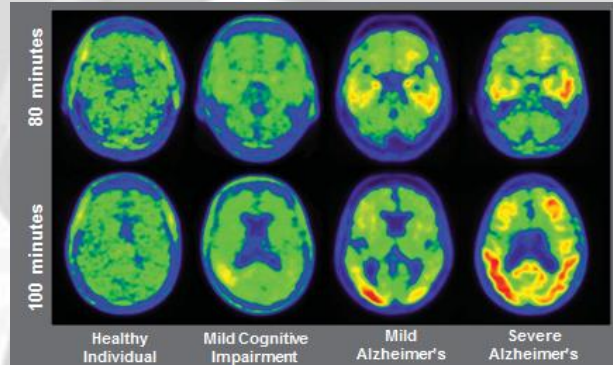
Alz dementia



BIOMARKERS

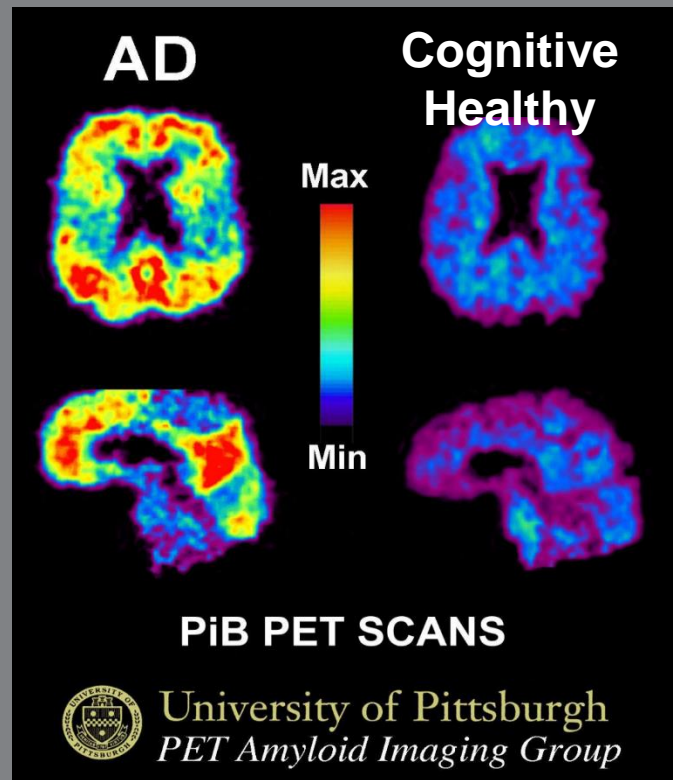
History & Cognition

DETECTING BRAIN CHANGES



Biomarkers Changed the Game

- Alzheimer's Association advanced development and utilization of biomarkers
- Amyloid and Tau detected in Cerebrospinal Fluid & by PET
- Research use years before symptoms appear



Progress Toward More Effective Treatment By 2025



Medicines



Lifestyle/ Behavior

Progress Toward More Effective Treatment By 2025



Medicines

Current Landscape of Clinical Trials for Alzheimer's & Dementia



Need for participants

Please note that an agent or device may be associated with more than one active clinical trial.

Continuum of Alzheimer's disease

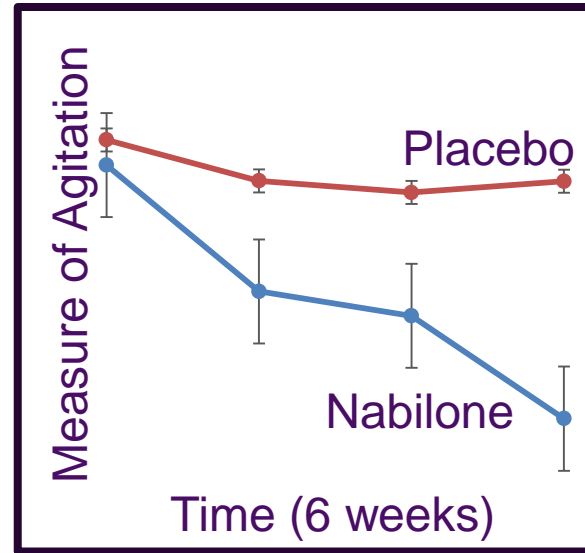
Cognitively Unimpaired

Alz dementia



Nabilone decreases agitation in people with moderate to severe Alzheimer's

- Non-cognitive symptoms: agitation, sleep disturbances, apathy, depression
- Nabilone:
 - Synthetic cannabinoid; not marijuana
 - Small study (39 people)
 - Saw benefit on agitation in participants
- Needs replication in a larger study





**Moving the needle at an
accelerated pace!**

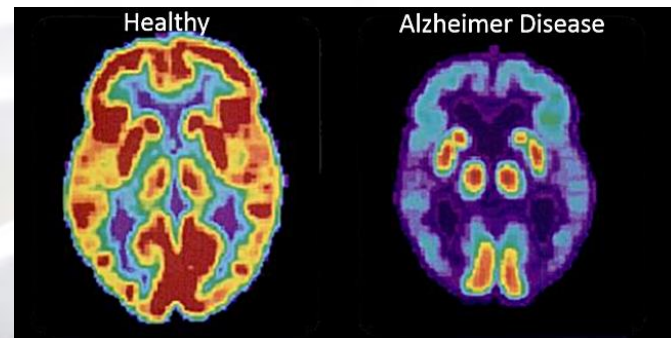
BAN2401 Reports Phase 2b Results

- Adaptive study design in people w/early Alzheimer's
- Targeting beta amyloid
- Second drug trial lowering:
 - Reduced beta-amyloid (PET)
 - Suggests improved cognition
 - Aducanumab (Phase 3)
- Intriguing results; must be studied in larger trial

≡ TIME

HEALTH • RESEARCH

New Drug Shows Promise in Early Studies to Treat Alzheimer's



Possibility of Prevention



ACCELERATED 3 YEARS!



ALZHEIMER'S
PREVENTION
INITIATIVE

Prevention



Progress Toward More Effective Treatment By 2025



Lifestyle/ Behavior

SPRINT-MIND Study: First Study to Demonstrate Reduction of New Cases

- 9,000+ ppl; std vs intensive
- Intensive treatment:
 - 19% reduced risk for MCI
 - 15% reduced combined MCI and dementia
- Dramatic reduction of small vessel disease on MRI
- **Immediate opportunity with life changing impact potential**



U.S. POINTER

Does a recipe that combines lifestyle interventions prevent or delay cognitive decline?



Physical Exercise



Nutritional Counseling
& Modification



Cognitive &
Social Stimulation



Improved
Self-Management of
Health Status

U.S. POINTER will evaluate
two lifestyle interventions

If we delay onset by 5 years...

DELAYED ONSET

If we develop a treatment by 2025 that delays the onset of Alzheimer's by just five years, then:



Changing the Trajectory
of Alzheimer's Disease:
How a Treatment by 2025
Saves Lives and Dollars

5.7
MILLION

people expected to
develop Alzheimer's
would not in 2050.

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THE BRAINS BEHIND SAVING YOURS.™



2018 Charlotte Walk Event Information

When: Saturday, October 13, 2018

Where: BB&T Ballpark –324 S. Mint Street

When: Registration: 9:00 a.m., Walk: 10:30 a.m.

Register today! Visit alz.org/walk or call 800.272.3900

In Summary ...

- Significant advances in our understanding of the disease, tools for early detection and diagnosis, and growing diversity of therapies being investigated
- Alzheimer's Association is the global leader – funder, convener, advocate – to Alzheimer's and dementia science
- We ARE making significant advances ... There is HOPE in research!!!

thank you!

TOGETHER, WE CAN END ALZHEIMER'S DISEASE.™

ALZHEIMER'S IS RELENTLESS.
SO ARE WE.

Alamance Co.....	9/22	Iredell Co.....	10/06
Asheville.....	9/15	Moore Co.....	10/06
Charlotte.....	10/13	Mount Airy.....	9/08
Gastonia.....	9/08	N. Wilkesboro.....	10/13
Guilford Co.....	10/20	Randolph Co.....	10/20
Hendersonville.....	9/29	Rowan - Cabarrus Co.....	9/15
Hickory.....	10/27	Winston-Salem.....	10/27

2018



Register today! Visit alz.org/walk or call **800.272.3900**

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