



Our Time Today

1 Overview of Alzheimer's and dementia

2 Risk factors and warning signs

3 Treatments

4 Ways to intervene

5 Programs, services, and resources

The Alzheimer's Association leads the way to end Alzheimer's and all other dementia — by accelerating global research, driving risk reduction and early detection, and maximizing quality care and support.



Our dual mission symbol represents the abstract forms of a human head and a beaker, emphasizing the people and the science behind our cause.



Care & Support



Advocacy



Education & Awareness



Research



Diversity, Equity & Inclusion

What is Dementia?

- Dementia is a collection of symptoms related to cognitive decline
- This can include
 - Cognitive symptoms
 - Behavioral symptoms
 - Psychological symptoms
- Alzheimer's is the most common cause of dementia
- Not everyone with cognitive decline has dementia. Some causes of cognitive decline are reversible.

TYPES OF DEMENTIA

Dementia is an umbrella term for loss of memory and other thinking abilities severe enough to interfere with daily life.

- ▲ Alzheimer's
- **♦** Vascular
- Lewy body
- **♦** Frontotemporal
- Other, including Huntington's
- * Mixed dementia: Dementia from more than one cause

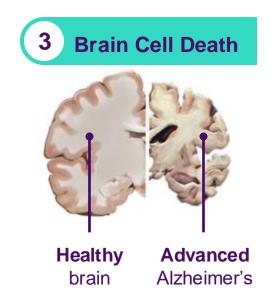
The Hallmarks of Alzheimer's



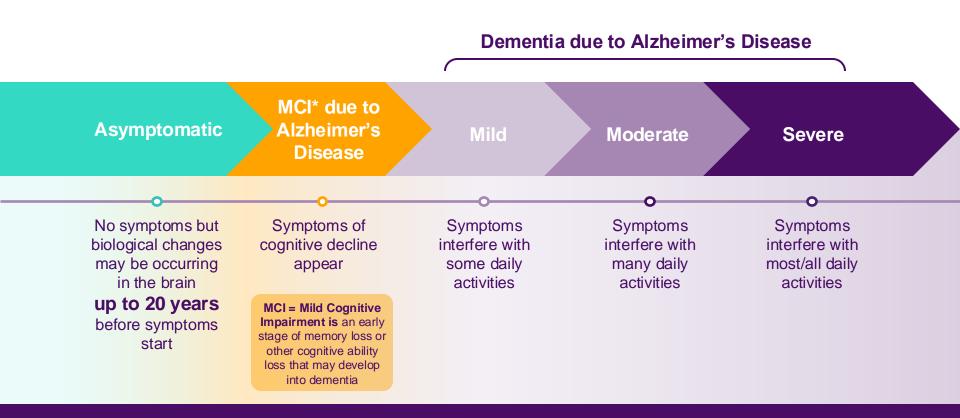
Made up of beta amyloid



Made up of tau



Alzheimer's Disease is a Continuum



2024
ALZHEIMER'S DISEASE
FACTS AND FIGURES



THE LIFETIME RISK FOR ALZHEIMER'S AT AGE 45 IS





Older Black Americans are

2X AS LIKELY

to have Alzheimer's or other dementia than Whites.

FROM HEART DISEASE HAVE
DECREASED 2.1%
WHILE DEATHS FROM

WHILE DEATHS FROM ALZHEIMER'S DISEASE HAVE INCREASED 141%

1 IN 3

SENIORS DIES WITH ALZHEIMER'S OR ANOTHER DEMENTIA



Older Hispanic Americans are

1.5X AS LIKELY

to have Alzheimer's or other dementia than Whites.

ALZHEIMER'S () ASSOCIATION

In New York State...





Nearly

and more than 11 million provide

\$1 trillion (in today's dollars) by mid-century. For more information,

view the 2024 Alzheimer's Disease Facts and Figures report at alz.org/facts.

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ALZHEIMER'S Q'S ASSOCIATION

Risk Factors



Although Alzheimer's is not a normal part of aging, age is the greatest risk factor for the disease. After age 65, the risk of Alzheimer's doubles every five years. Thirty-four percent of people aged 85 and older have Alzheimer's.



Family history is also a known risk factor — research has shown that those who have a parent, brother or sister with Alzheimer's are more likely to develop the disease. The risk increases if more than one family member has the disease.



Scientists know genes are involved in Alzheimer's. Two categories of genes influence whether a person develops a disease: risk genes and deterministic genes.



Black Americans and Alzheimer's Disease

Black Americans are about **2 times** as likely as White Americans to have Alzheimer's and other dementias, but they are less likely to receive a diagnosis.



1/2 say that they have experienced discrimination while seeking care for a person living with Alzheimer's.



Nearly 2/3 believe medical research is biased against people of color.

Hispanic Americans and Alzheimer's Disease

Hispanic Americans are about **1.5 times** as likely as White Americans to have Alzheimer's and other dementias.



57% believe that a significant loss of memory or cognitive abilities is a "normal part of aging."



1 in 3 report that they have experienced discrimination when seeking health care.





Women and Alzheimer's Disease

In the U.S., more than **10 million** women are either living with Alzheimer's or caring for someone who has it.



Over **60%** of Alzheimer's and dementia caregivers are women.



Almost **2/3** of Americans living with Alzheimer's are women.

Impact of Alzheimer's on Caregivers



In 2023, over **11 million Americans** provided unpaid care for people with Alzheimer's or other dementias.



Caregivers provided more than 18 billion hours of unpaid care valued at nearly **\$347 billion**.



Caring for someone living with Alzheimer's can take a **physical, emotional, social and financial toll** on family caregivers.



Of the total lifetime cost of caring for someone with dementia, 70% is borne by family caregivers — either through out-of-pocket expenses or from unpaid caregiving.



59% of family caregivers rated the **emotional stress** of caregiving as high or very high.



Who Are the Dementia Caregivers?

- Two-thirds of caregivers are women, and one-third are daughters.
- About one in three caregivers is age 65 or older.
- One quarter of dementia caregivers are "sandwich generation" caregivers, taking care of both an aging parent and child.
- 41% of caregivers have a household income of \$50,000 or less.
- 66% live with the care recipient in the community.





Race, Ethnicity and Caregiving

- Two-thirds of caregivers are White. 10% are Black, 8% are Hispanic, and 5% are Asian American. The remaining 10% represent a variety of other racial/ethnic groups.
- Black caregivers more likely to provide more than 40 hours of care per week than white caregivers (54.3% versus 38.6%). Also more likely to care for someone with dementia (31.7% versus 11.9%) than White caregivers.
- Black dementia caregivers 69% less likely to use respite services compared with white caregivers.
- Hispanic, Black, and Asian American dementia caregivers indicate greater care demands, less outside help/formal service use, and greater depression when compared with White caregivers.

Benefits of an Early and Accurate Diagnosis



- **Wedical Benefits**
 - Access to current treatments
 - An opportunity to participate in clinical trials
 - A chance to prioritize health, including making lifestyle changes



- Emotional and Social Benefits
 - More time to plan for the future, access resources
 - Time to plan end-of-life decisions

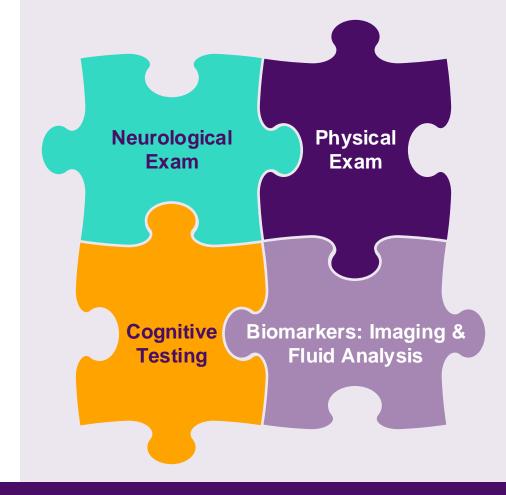


- Financial Benefits
 - Cost savings for families
 - Cost savings for the U.S. government

How is Alzheimer's Currently Diagnosed?

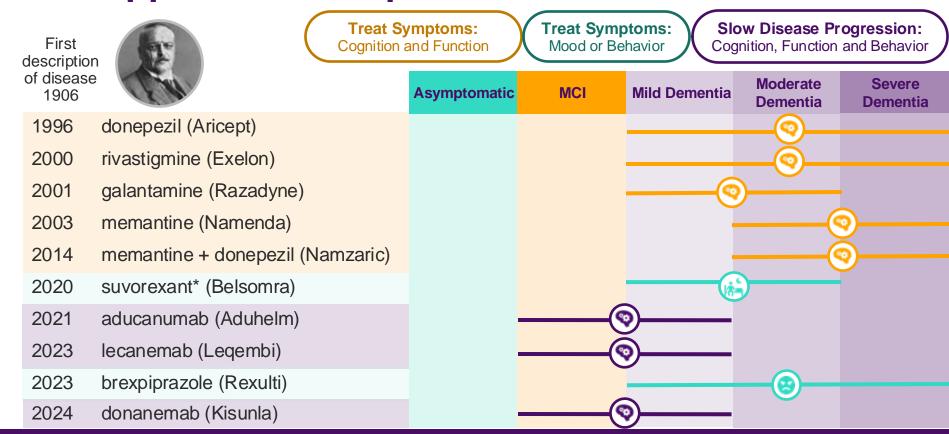
There is no single test that can determine if a person is living with Alzheimer's disease or another dementia.

Doctors use a combination of diagnostic tools combined with medical history to make an accurate diagnosis.



	1 Memory loss that	2 Challenges in	3 Difficulty completing	4 Confusion with time
	disrupts daily life	planning or solving problems	familiar tasks	or place
	5	6	7	8
10 Warning Signs of Alzheimer's	Trouble understanding visual images and spatial relationships	New problems with words in speaking or writing	Misplacing things and losing the ability to retrace steps	Decreased or poor judgment
R	Withdrawal from work or social activities	Changes in mood and personality		

FDA-Approved Therapies for Alzheimer's





2024 Alzheimer's Drug Development Pipeline

127

Unique therapies

164

Clinical Trials for Alzheimer's disease as registered on clinicaltrials.gov

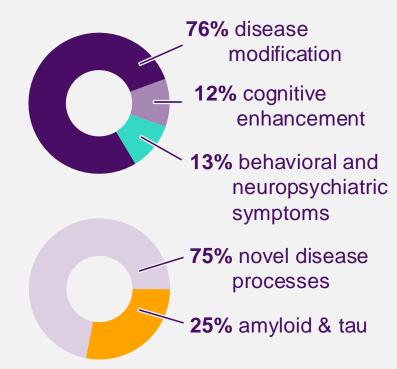
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New agents have entered the pipeline in the past year

65,798

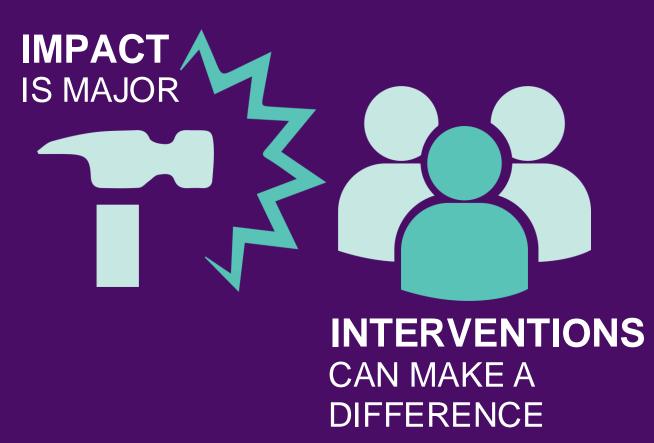
Total number of participants needed to populate all currently active trials (Phases 1, 2 and 3)

Targets of agents currently in clinical trials include:











- More than 7 million Americans are living with Alzheimer's
- Deaths from Alzheimer's have increased 141% between 2000-2021
- Annual cost of care: \$360 billion in 2024
- By 2050, costs could reach \$1 trillion



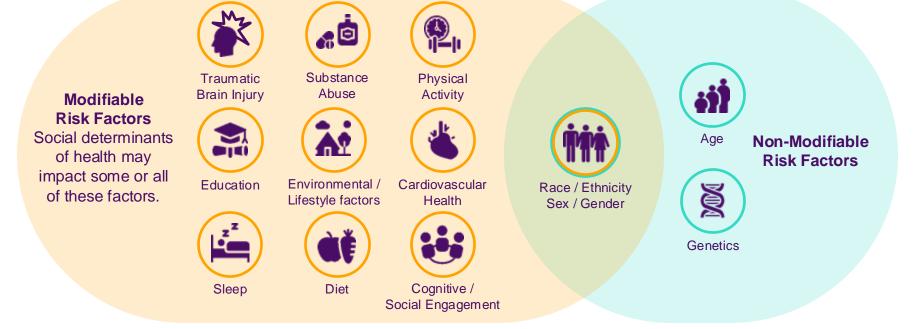
- Over 11 million Americans provided over 18 billion hours of unpaid care to people living with dementia
- More than two-thirds of the cost of care is paid by federal and state budgets through Medicare and Medicaid
- One-fourth of people with dementia have a preventable hospitalization



INTERVENTIONS CAN MAKE A DIFFERENCE

- Forming community partnerships
- Reducing risk of cognitive decline and possible dementia
- Promoting early detection and diagnosis
- Conducting surveillance and collecting data
- Training and educating the health care and public health workforces

What May Impact Risk of Cognitive Decline or Dementia?



There is a lot we still don't know about these risk factors. We need to study risk from all angles and in all populations!



Reducing Risk of Dementia

- Positive, everyday actions can make a difference in brain health, even lowering the risk of cognitive decline and possibly Alzheimer's and dementia.
- Up to 40% of dementia cases could be prevented or delayed by targeting modifiable risk factors.
- Research suggests combining multiple healthy factors may be the most impactful.
- Nonmodifiable risk factors include age, genetics and sex/ gender/ race/ ethnicity.

U.S. Study to Protect Brain Health through Lifestyle Intervention to Reduce Risk





Two Year | Multi-Center (Five U.S. Sites) | Randomized Clinical Trial 2,000 Participants | 60-79 Years Old | At Risk for Cognitive Decline



Self-Guided and Structured Intervention Groups
Physical Activity | Nutrition | Intellectual Engagement | Health Coaching
Differ in Format, Expectations, and Accountability



Commitment to **Community-Based**Outreach, Recruitment and Representation



- ✓ Completed Recruitment in March 2023
- √ ~ 30% from Underrepresented Populations

NIA Supported **Ancillary Studies**:

- **✓ POINTER-Neuroimaging**
- **✓ POINTER-zzz**
- ✓ POINTER-Neurovascular
- √ POINTER-Microbiome

If the interventions prove effective, this study will lead the way in the development of an accessible and sustainable community-based program for prevention.

The Alzheimer's Association provides care and support to those affected.

Free 24/7 Helpline: 800.272.3900

- Staffed by master's-level clinicians and specialists
- Provides confidential support and information in over 200 languages

ALZConnected®: alz.org/alzconnected

 Free online community designed for people living with dementia and their caregivers

Alzheimer's Association & AARP Community Resource Finder: alz.org/CRF

 Comprehensive database of local dementia and aging-related resources

Resource-rich website: alz.org®

- Often the first stop for individuals after receiving a diagnosis
- Includes sections for those living with the disease, caregivers and health care professionals

Education and support: alz.org/CRF

- For caregivers and individuals living with Alzheimer's or other dementia
- Offered in-person, virtually and online

Local chapters nationwide: alz.org/findus

Programs and services in communities across the country

New York State Chapters

Support in all 62 New York counties

- Free 24-hr helpline (800-272-3900)
- Care consultations
- Caregiver and professional education
- Safety information/referrals
- Support groups
- Early Stage Engagement







Incorporating Strategy into Your Work



Thank You!

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