Know the Signs of Early Alzheimer's Disease



Alzheimer's disease (AD) is a progressive neurological condition that impairs thinking, memory and independence, leading to premature death.^{1,2} This devastating disease currently cannot be stopped, delayed or prevented.³

Alzheimer's disease is a continuum that consists of several stages.¹ The length of each stage and how long individuals spend in each varies from person to person.¹ AD is believed to be caused by the buildup of two proteins in the brain, amyloid beta and tau, which may begin 20 years or more before clinical symptoms occur.⁴

Early-stage Alzheimer's disease should not be confused with early-onset Alzheimer's disease. Alzheimer's disease is considered to be early onset Alzheimer's if it affects a person under the age of 65.5 Early-stage Alzheimer's refers to the general stage of disease progression, regardless of age.6



- Based on Biogen's analysis of published studies for the G7* countries, the prevalence of probable MCI due to AD is approximately 18.7 million, with about 4.3 million of these already in the healthcare system.12
- Based on Biogen's analysis of published data, the estimated number of people who have MCI

of amyloid beta.7

be tested to confirm the abnormal accumulation

*Biogen G7 countries: France, Germany, Italy, Japan, Spain, United Kingdom and United States

Early diagnosis

may lead to better disease management and may provide potential benefits.³

- · Provides opportunity to begin health measures like exercise, mental activity and social engagement
- Maximizes the chances of participation in a clinical trial
- · Allows time to plan for the future including caregiving needs and helping to prevent or treat medical concerns
- · Gives families and loved ones time to prepare
- Provides opportunity to initiate treatment earlier to slow disease progression (if a therapy becomes available)

due to AD or mild AD dementia with amyloid beta pathology in the U.S. is 6.5 million, of which 1.4 million are in the healthcare system.¹²



Know the continuum of AD, recognize the signs and symptoms and talk to your doctor about your cognitive health.



→ 2/3

13.8%

AFRICAN AMERICANS

According to the Alzheimer's Association, 82% of seniors say it's important to have their thinking or memory checked, but only 16% say they receive regular cognitive assessments.¹ Cognitive assessments are evaluations of brain function that are critical for early detection of AD.14 However, healthcare providers may often lack the information and resources they need to support brain health. Nine in ten primary care physicians say they want more guidance on nearly all aspects of the brief cognitive assessment process.15

¹ Alzheimer's Association. 2020 Alzheimer's Disease Facts and Figures. Alzheimers Dement 2020;16(3):391+.
² Liu, Jodi L., Jakub P Hlavka, Richard Hillestad, and Soeren Mattke, Assessing the Preparedness of the U.S. Health Care System Infrastructure for an Alzheimer's Treatment. Santa Monica, CA: RAND Corporation, 2017. https://www.rand.org/pubs/research_reports/RR2272.html. Last accessed 6/17/2020.
³ Alzheimer's Association. 2018 Alzheimer's Disease Facts and Figures. Alzheimers Dement 2018;14(3):367.429.
⁴ Oubols B, Hampel H, Feldman H, et al. Preclinical Alzheimer's Grease: Definition, natural history, and diagnostic criteria. Alzheimer's Dement. 2016;12(3):292–323.
⁵ Alzheimer's Association. Younger-Onset Alzheimer's. https://www.alz.org/alzheimers-dementia/stages. Last accessed 6/17/20.
⁷ Alzheimer's Association. Stages of Alzheimer's. https://www.alz.org/alzheimers-dementia/stages. Last accessed 6/17/20.
⁷ Alzheimer's Association. Mild Cognitive Impairment (MCI). Available at https://www.alz.org/alzheimers-dementia/what-is-dementia/related_conditions/mild-cognitive-impairment. Last accessed 6/17/20.

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 (y) 1/2/2/2.
^(y) 1/2/2/2.
^(y) UsAgainst/lzheimer's. The Alzheimer's Crisis. https://www.usagainstalzheimers.org/learn/alzheimers.crisis. Last accessed 6/17/2020.
^(y) Jack CR, Bennett DA, Blennow K, et al. NIA-AA Research Framework: Toward a biological definition of Alzheimer's disease. Alzheimer's Dement. 2018; 14(4):535–56
^(y) Wilcox J, Duffy PR. Is it a 'senior moment' or early dementia? Addressing memory concerns in older patients. Current Psychiatry. 2016 May:15(5):28-30,32:34,40.
⁽¹⁾ World Health Organization (WHO). Dementia Key Facts. https://www.who.int/newsroom/factsheets/detail/dementia. Last accessed 6/17/2020.
⁽¹⁾ Biogen Data on File.
⁽¹⁾ Matthews KA, Xu W, Gaglioti AH, Holt JB, Croft JB, Mack D, et al. Racial and ethnic estimates of Alzheimer's disease and related dementias in the United States (2) ¹² Biogen Data on File.
¹³ Mathews KA, Xu W, Gaglioti AH, Holt JB, Croft JB, Mack D, et al. Racial and ethnic estimates of Alzheimer's disease and related dementias in the United States (2015-2060) in adults aged ≥ 65 years. Alzheimer's disease and related dementias in the United States (2015-2060) in adults aged ≥ 44 Alzheimer's disease and related dement. 2019;15(1):17-24.
¹⁴ Alzheimer's Association. Cognitive Assessment. https://www.alz.org/professionals/health-systems-clinicians/cognitive-assessment. Last accessed 6/17/2020.
¹⁵ Alzheimer's Association. 2019 Alzheimer's Disease Facts and Figures. Alzheimers Dement 2019;15(3):321-87.

