

Alz·hei·mer's disease

['älts,hīmərz]

NOUN

1. Alzheimer's disease (AD), also referred to simply as Alzheimer's, is a chronic neurodegenerative disease that usually starts slowly and worsens over time.

Alzheimer's disease is the most common cause of dementia, and accounts for an estimated 60 percent to 80 percent of cases.

Difficulty remembering recent conversations, names or events is often an early clinical symptom; apathy and depression are also often early symptoms. Later symptoms include impaired communication, disorientation, confusion, poor judgment, behavioral changes and, ultimately, difficulty speaking, swallowing and walking.

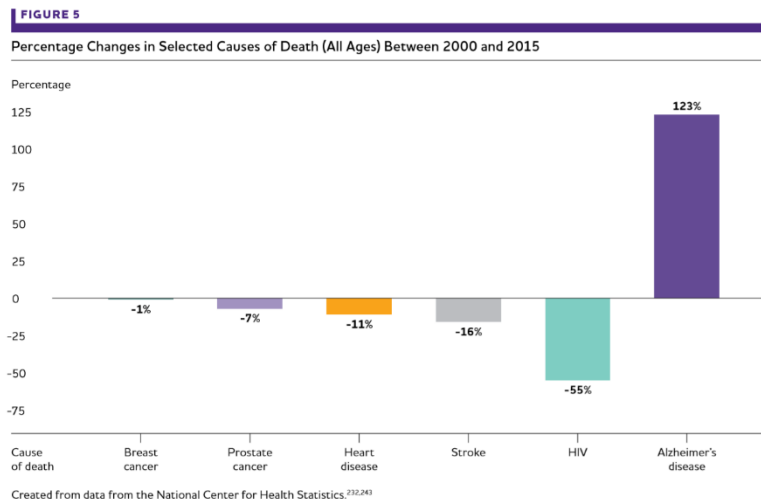
Alzheimer's is a slowly progressive brain disease that begins well before clinical symptoms emerge.

The hallmark pathologies of Alzheimer's are the progressive accumulation of the protein fragment beta-amyloid (plaques) outside neurons in the brain and twisted strands of the protein tau (tangles) inside neurons. These changes are eventually accompanied by the damage and death of neurons.‡

5.7 M	Americans with AD, 2018	>16 M	Americans providing unpaid care for people with AD
5.5 M	Americans with AD, Age 65+		
200,000	Americans with AD, 2018, <65	21.7 M	Americans impacted by AD
1 of 10	Americans with AD, 65-74		
1 in 6	Americans with AD, 75-84	328 M	US Population
1 of 3	Americans with AD, 85+	15%	US Population impacted by AD, 2018

ALZHEIMER'S IN THE US - 2018

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US Leading Causes of Death, 2015 †

- 1 Heart Disease
- 2 Cancer
- 3 Respiratory disease
- 4 Accidents
- 5 Stroke
- 6 Alzheimer's**
- 7 Diabetes
- 8 Influenza & Pneumonia
- 9 Kidney Disease
- 10 Suicide

STATISTICS

‡ Alzheimer's Association. 2018 Alzheimer's Disease Facts and Figures. Alzheimers Dement 2018;14(3):367-429

¥ Hebert LE, Weuve J, Scherr PA, Evans DA. Alzheimer disease in the United States (2010-2050) estimated using the 2010 Census. Neurology 2013;80(19):1778-83.

† National Center for Health Statistics. Health, United States, 2016: With Chartbook on Long-term Trends in Health. Hyattsville, MD. 2017.

§ <http://www.census.gov/popclock/>

care·giv·er

['ker,givər]

NOUN

1. a family member or paid helper who regularly looks after a child or a sick, elderly, or disabled person.

Of US Caregivers,

2/3 Caregivers are women

1/3 Caregivers are daughters

18.4 B Hours of unpaid assistance to Americans with AD in 2017

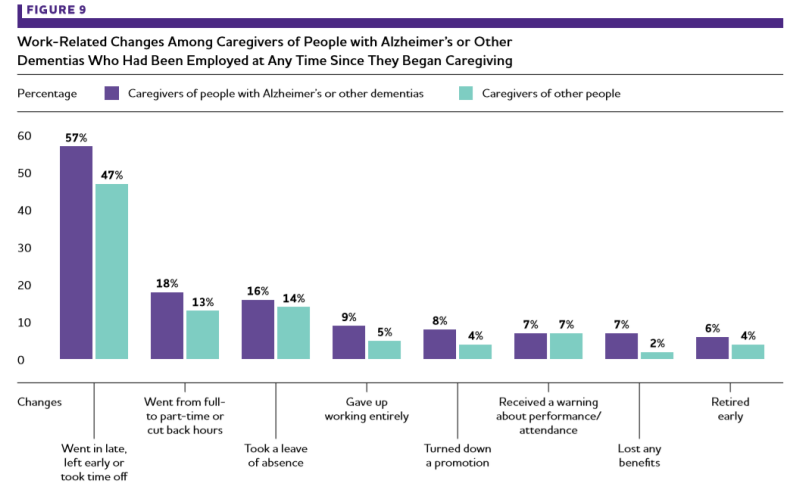
\$232.1B Value of unpaid assistance to Americans with AD in 2017

Dementia Caregiving Tasks		
1) Helping with household chores, shopping, preparing meals, providing transportation, arranging for doctor's appointments, managing finances and legal affairs and answering the telephone.	6) Managing behaviors symptoms of the disease such as aggressive behavior, wandering, depressive mood, agitation, anxiety, repetitive activity and nighttime disturbances.	10) Assuming additional responsibilities that are not necessarily specific tasks, such as: -Providing overall management of getting through the day -Addressing family issues related to caring for a relative, including communications with other family members about care plans, decision-making and arrangements for respite for the main caregiver -Managing other health conditions, such as arthritis, diabetes or cancer -Providing emotional support and a sense of security
2) Helping Loved One take medications correctly, either via reminders or direct administration of medications.	7) Finding and using support services such as support groups and adult day service programs.	
3) Helping Loved One adhere to treatment recommendations for dementia and / or other medical conditions.	8) Making arrangements for paid in-home, nursing home or assisted living care.	
4) Assisting with personal activities of daily living such as bathing, dressing, grooming, feeding, helping the Loved One walk, transferring from bed to chair, using the toilet and managing incontinence.	9) Hiring and supervising others who provide care.	

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Created from data from the National Alliance for Caregiving and AARP.²⁶⁸

Impact of AD on Caregivers

6 in 10 Of caregivers of people with Alzheimer's or another dementia were employed in the past year, in addition to being a care provider.

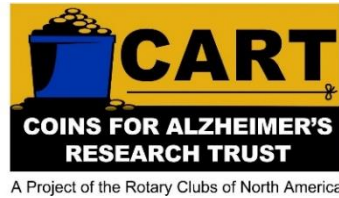
30-40% Family Caregivers suffer with depression
**The prevalence of depression is higher among dementia caregivers than other caregivers, such as those who provide help to individuals with schizophrenia (20 percent) or stroke (19 percent).

53% Women with children under age 18 feel caregiving for someone with Alzheimer's is more challenging than caring for children.

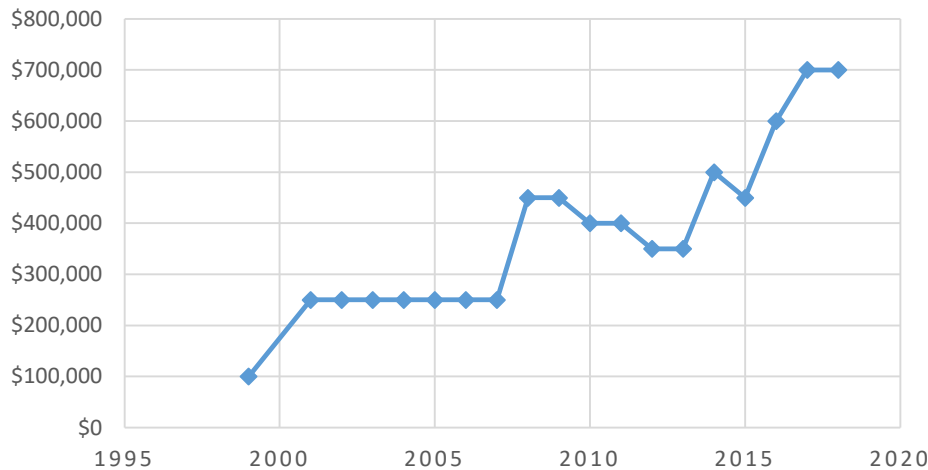
cure

NOUN \ 'kyūr \

1. something (such as a drug or medical treatment) that stops a disease and makes someone healthy again



TOTAL CART GRANTS, BY YEAR



INSTITUTIONS OF GRANT RECIPIENTS (35)

EMORY UNIVERSITY | CASE WESTERN RESERVE UNIVERSITY | JOHNS HOPKINS UNIVERSITY | UNIVERSITY OF PENNSYLVANIA | UNIVERSITY OF CONNECTICUT HEALTH SCIENCE CENTER | UNIVERSITY OF CALIFORNIA, LOS ANGELES | UNIVERSITY OF TEXAS MEDICAL BRANCH | MAYO CLINIC JACKSONVILLE | THE CLEVELAND CLINIC | THE UNIVERSITY OF ALABAMA-BIRMINGHAM MEDICAL CENTER | MAYO CLINIC, JACKSONVILLE, FL | UNIVERSITY OF KENTUCKY | UNIVERSITY OF KENTUCKY | UNIVERSITY OF PENNSYLVANIA | UNIVERSITY OF WISCONSIN | CASE WESTERN – RESERVE | MASSACHUSETTS GENERAL HOSPITAL – BOSTON | CEDARS-SINAI MEDICAL CENTER, LOS ANGELES | UNIVERSITY OF WASHINGTON, SEATTLE | CHILDREN’S HOSPITAL BOSTON; HARVARD MEDICAL | LERNER RESEARCH INSTITUTE; CLEVELAND CLINIC FOUNDATION | BOSTON UNIVERSITY SCHOOL OF MEDICINE | UNIVERSITY OF NORTH CAROLINA – PEMBROKE | UNIVERSITY OF SOUTH FLORIDA | WASHINGTON UNIVERSITY IN ST. LOUIS SCHOOL OF MEDICINE | WEILL CORNELL MEDICAL COLLEGE | GEORGIA INSTITUTE OF TECHNOLOGY | MEMORIAL SLOAN KETTERING CANCER CENTER | UNIVERSITY OF CALIFORNIA, DAVIS | UNIVERSITY OF ILLINOIS, CHAMPAIGN-URBANA | UNIVERSITY OF CALIFORNIA, SAN DIEGO | OREGON HEALTH & SCIENCE UNIVERSITY | DREXEL UNIVERSITY COLLEGE OF MEDICINE | UNIVERSITY OF SOUTHERN CALIFORNIA | SALK INSTITUTE, CALIFORNIA | HARVARD | UNIVERSITY OF MINNESOTA | ARIZONA STATE UNIVERSITY

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THE CART FUND

- \$7.2 M Total value of grants, (\$) 1999-2018
- 45 Total number of grants made, 1999-2018
- >800 Number of Rotary clubs supporting The CART Fund
- 21 Number of Rotary districts supporting The CART Fund
- 60 Number of grant applications received, 2018
- 5 Number of Grants, 2018
- \$700 K Dollar value of grants, 2018

100% OF EVERY DONATION USED FOR ALZHEIMER’S RESEARCH

CART FUNDRAISERS

- | | |
|------------------------------------|--------------------------------|
| Pledges for miles run | Matching donations at District |
| Golf Outings | Conference |
| Car Show | Birthday gifts |
| 60th Birthday party | Wine Tasting |
| Memorials | Holiday gifts |
| Business matches of club donations | Zone Institute |
| Smile.Amazon.com | Club membership recognition |
| Shag Festival | Poker-run |
| | CART Cruise...and more! |