Alzheimer's disease and related dementias in New Mexico

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Objectives

- Overview of dementia (including Alzheimer's disease)
- Impact of dementia in New Mexico
- Assessment and diagnosis of dementia
- Treatment of dementia
- Advancements and new research in dementia
- Resources for dementia

Disclosures - Hernandez

• Salary from Alzheimer's Association

ALZHEIMER'S **S** ASSOCIATION

Disclosures - Richardson

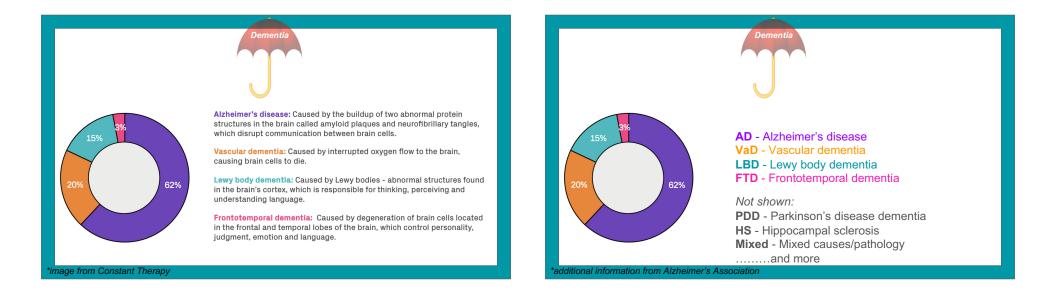


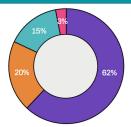
- Salary from the University of New Mexico
- Current funding from the National Institutes of Health, Department of Defense, and SingWell Canada
- Previous funding from the New Mexico Governor's Commision on Disability
- Leadership positions for the UNM Center for Brain Recovery and Repair and the NM Alzheimer's Disease Research Center

• Overview of dementia (including Alzheimer's disease)

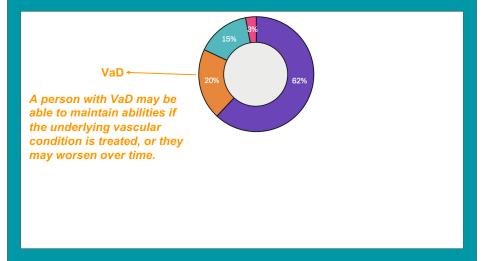
What is dementia?

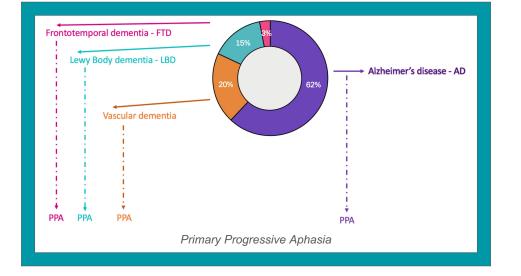
- According to the National Institutes of Health (NIH), "dementia is the loss of cognitive functioning - thinking, remembering, and reasoning - to such an extent that it interferes with a person's daily life and activities"
- There are different types of dementia you can think of the word "dementia" as an umbrella term.

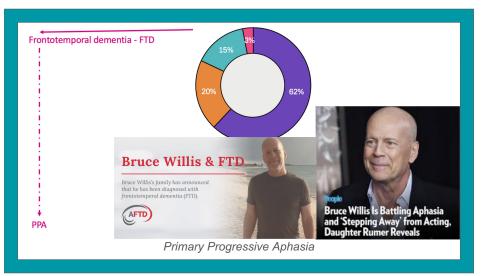




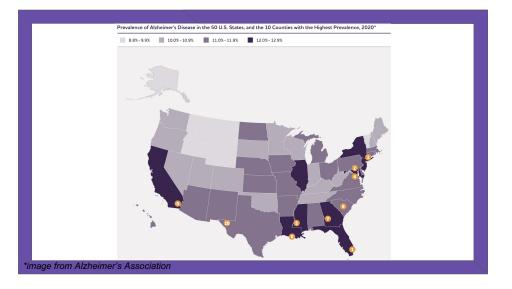
- These dementias are caused by damage to brain cells which interferes with the ability of those cells to communicate with each other.
- Symptoms start out slowly and gradually get worse*.

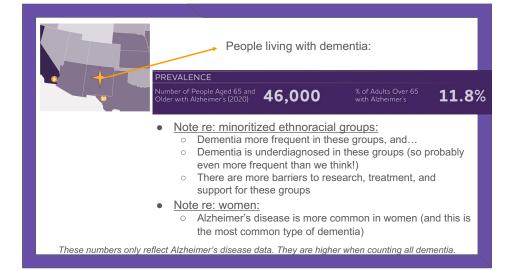


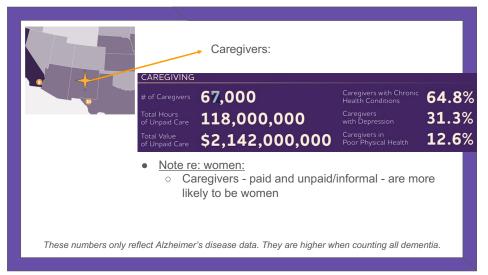


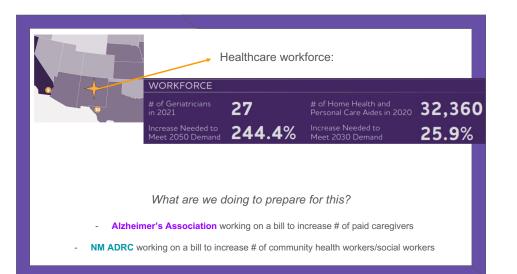


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Diagnosing Dementia - Early Signs (1)

- Early signs of dementia are exaggerated forms of minor dayto-day lapses
 - Memory example:
 - Occasionally forgetting an appointment, missing a deadline, remembering neighbor's name

VS

Forgetting that you even made an appointment or that you were working on something with a deadline, not recognizing a neighbor

Diagnosing Dementia - Early Signs (2)

- Early signs of dementia are exaggerated forms of minor dayto-day lapses
 - Orientation example:
 - Occasionally forgetting what day of the week it is or getting lost in unfamiliar places

VS

Routinely not knowing what day it is or what time of day it is; getting lost in familiar places

Table 2

Signs of Alzheimer's Dementia Compared With Typical Age-Related Changes*

Making occasional errors when managing finances or household bills
household bills.
Occasionally needing help to use microwave settings or recor a television show.
Getting confused about the day of the week but figuring it out later.

Diagnosing Dementia - Assessment (1)

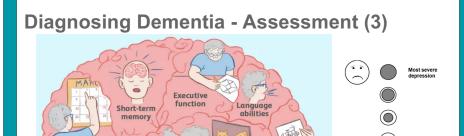
- *Clinical interview* (with person and their family members and/or friends)
 - Concrete examples are most helpful, especially of how perceived cognitive or behavioral problems are impacting everyday life
 - Information regarding timeline also helpful
- Review of medical records

Orientation

Clock-drawin

Diagnosing Dementia - Assessment (2)

- Neuropsychological assessment
 - *Standardized cognitive tests* with age and education norms for comparison
 - Includes assessment of affect/mood to rule out a primary role of a psychological issue



Animal

naming

(67891) (6789

Attention

Abstraction

No Depression

Diagnosing Dementia - Assessment (4)

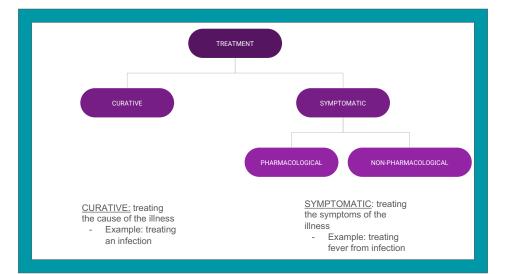


Diagnosing Dementia - Interpretation

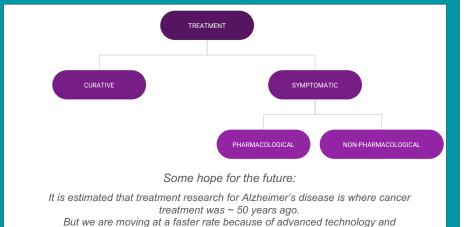


- Test results are compared to norms (adjusted for age/educ)
- Based upon deficits in cognition and other history and exam results, a diagnosis of dementia is considered
 - NORMAL: as expected for age/educ
 - DEPRESSED/ANXIOUS
 - SUBJECTIVE COGNITIVE IMPAIRMENT: reporting symptoms but exam seems normal
 - MILD COGNITIVE IMPAIRMENT: cognition is not as good as expected but not severe
 - DEMENTIA: more noticeable symptoms to severe symptoms
 - More work will then be done to determine which TYPE of dementia

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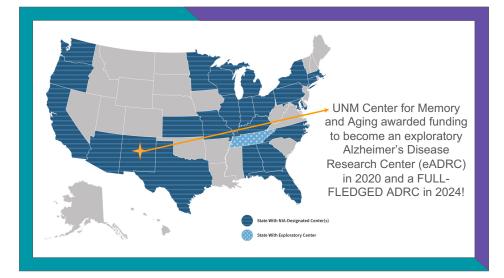




innovations, so it won't take us 50 years to catch up to where cancer is now.

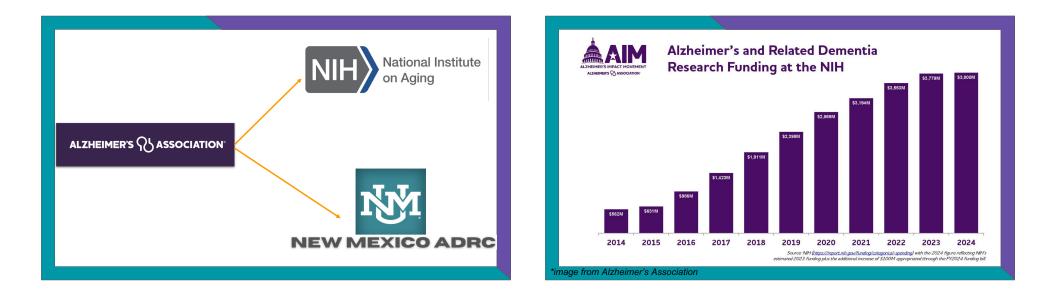
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PHARMACOLOGICAL	NONPHARMACOLOGICAL
 Anti-amyloid therapy Only for Alzheimer's disease or mixed-Alzheimer's disease Aducanumab, Lecanemab, Donanemab Not available in NM yet No public funding yet, so not approved yet Prohibitively expensive Requires infrastructure NM does not yet have 	 Behavioral therapies (cognitive, speech-language, etc.) Prophylaxis (to protect/preserve more intact skills) Improvement of declining skills Brain stimulation therapies Music therapy Exercise



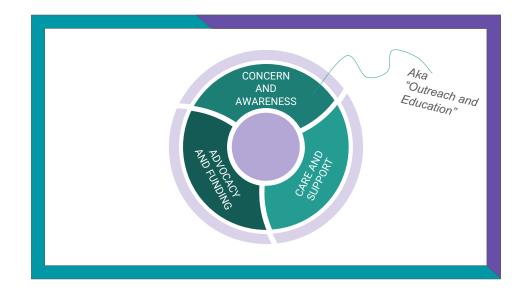








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How are we working together to provide/develop resources?

- Coordinating regarding support programs and groups for people living with dementia
- Coordinating regarding training, support (including groups) for family caregivers
- Coordinating regarding training of healthcare providers and lay community
- Working together on legislative efforts
- Sharing outreach and education resources
- Coordinating regarding development of new outreach and education resources





Digital resource repositories

- <u>https://www.alz.org/help-support/resources</u>
- https://drive.google.com/drive/folders/18rTHhI5e7ReZ1GS0SJB_-IUgnBi4ILzt
- https://youtube.com/playlist?list=PLy586K9YzXUxp9WGtfdjlZTk6mSK6ctbS&si=IrRp

14mnjWyLMxC4

Alzheimer's Association of New Mexico	https://www.alz.org/newmexi		505-266-4473 1-800-272-3900
New Mexico Aging and Long-Term Services	https://aging.nm.gov/	nm.adrc@altsd.nm.gov	505-476-4799
New Mexico Alzheimer's Disease Research Center	https://hsc.unm.edu/research /centers-programs/nmadrc/	NMADRC@salud.unm.edu NMADRC@gmail.com	505-277-3315
UNMH Senior Health Center	https://unmhealth.org/service s/senior-health.html	unm-mac@salud.unm.edu	505-272-4866

