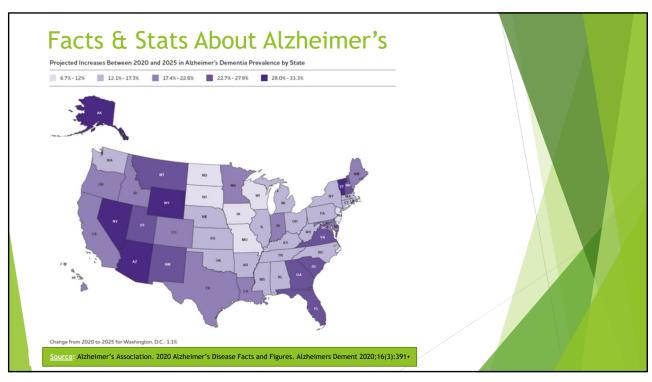
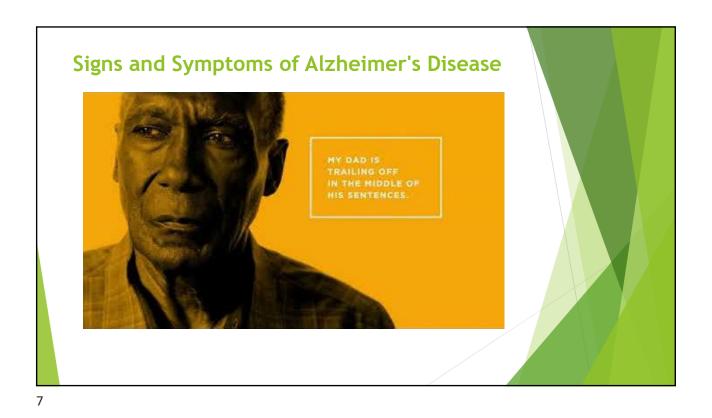


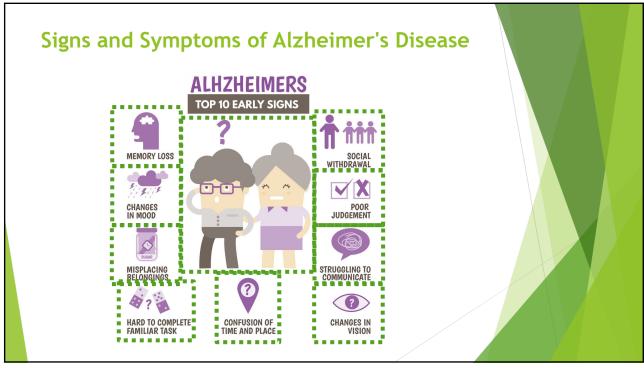
Facts & Stats About Alzheimer's

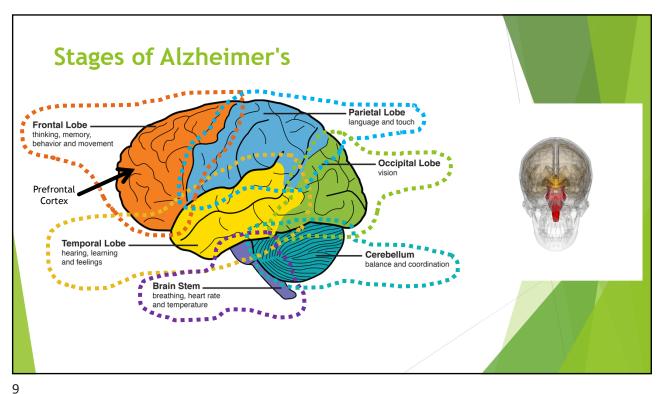
- ▶ 5+ million Americans of all ages have Alzheimer's
- ► ~5.8 million Americans age 65 and older are living with Alzheimer's dementia in 2020
- ► Almost two-thirds of Americans with Alzheimer's are women
- ► Older African-Americans are twice as likely to have Alzheimer's or other dementias as older whites
- ► Hispanics are about one and one-half times as likely to have Alzheimer's or other dementias as older whites

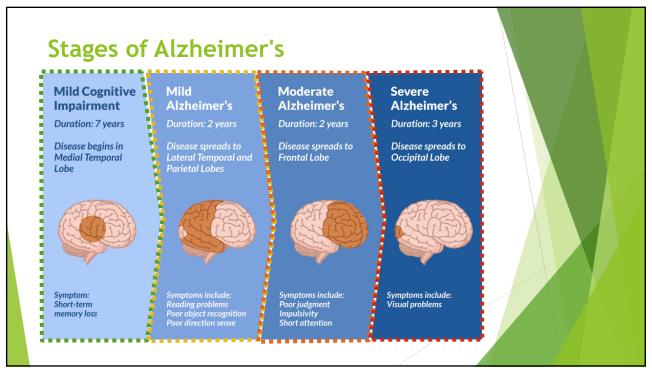


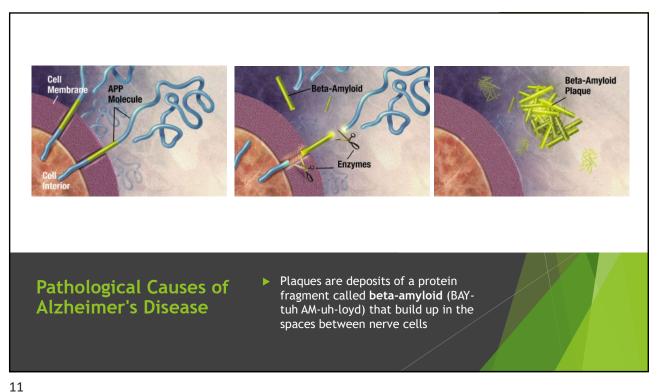


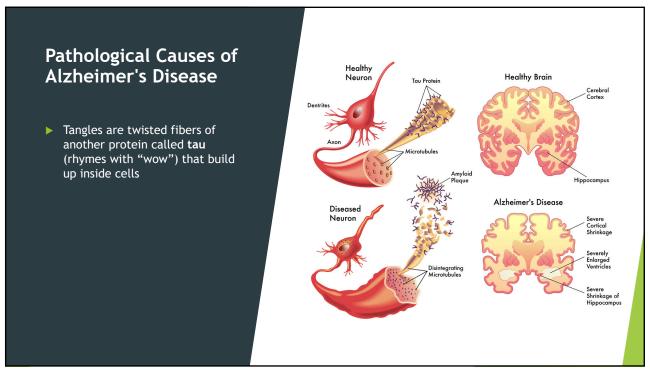


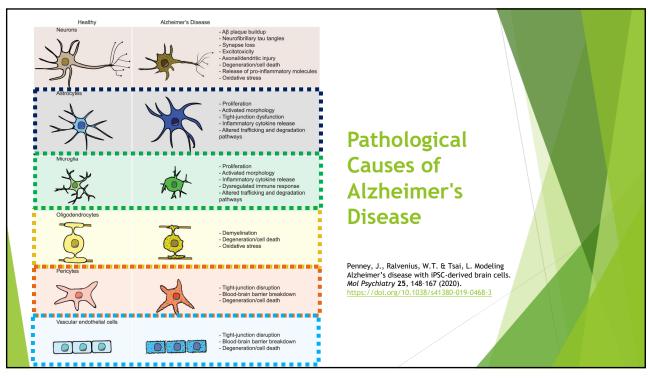


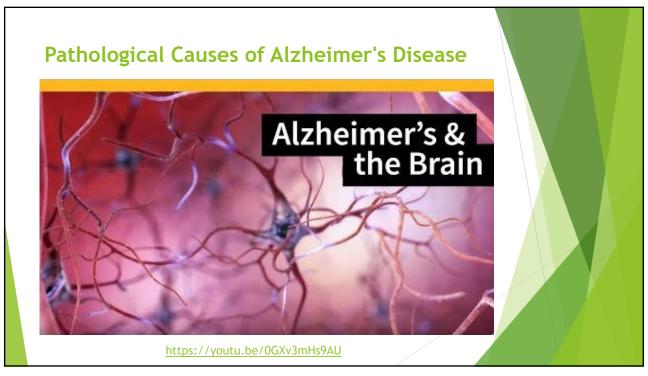


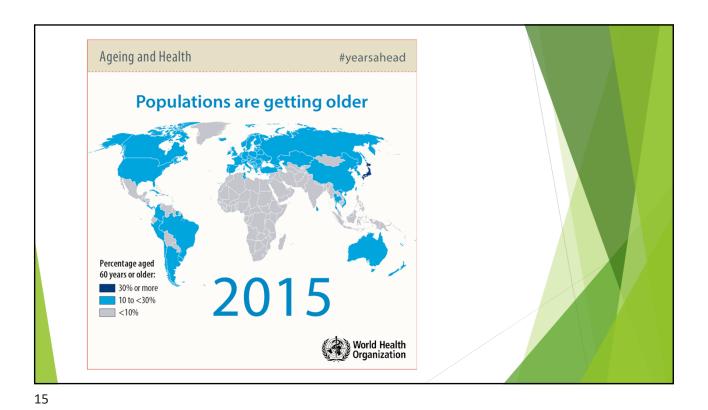












Risk Factors for Alzheimer's Disease

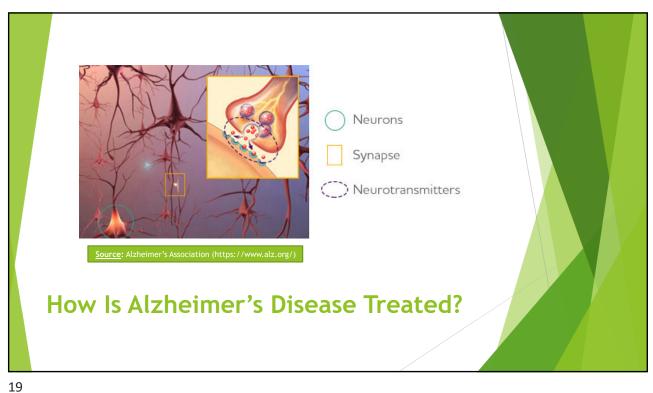
Age
Family History
Genetics (Heredity)
Lifestyle and Environment
Head Injury
Heart-Head Connection
Healthy Aging

How Is Alzheimer's Disease Diagnosed?

- ► Medical history
- ► Mental status tests
- ► Physical exams
- ► Neurological exams
- ▶ Diagnostic or genetic tests
- ► Brain imaging

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GENERIC	BRAND	APPROVED FOR	SIDE EFFECTS	
Donepezil	Aricept	All stages	Nausea, vomiting, loss of appetite, muscle cramps and increased frequency of bowel movements.	
Galantamine	Razadyne	Mild to moderate	Nausea, vomiting, loss of appetite and increased frequency of bowel movements.	
Memantine	Namenda	Moderate to severe	Headache, constipation, confusion and dizziness.	
Rivastigmine	Exelon	Mild to moderate	Nausea, vomiting, loss of appetite and increased frequency of bowel movements.	
Memantine + Donepezil	Namzaric	Moderate to severe	Nausea, vomiting, loss of appetite, increased frequency of bowel movements, headache, constipation, confusion and dizziness.	



History of Alzheimer disease

1976

AD Recognitzed as Most Common Form of Dementia

1906

Dr. Alois Alzheimer

1906

Dr. Emil Kraeplin

19 Names AD

1968

Cognitive Measures
Developed

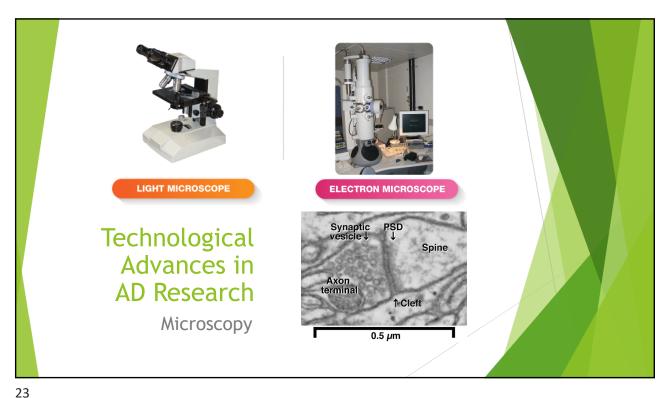
1987

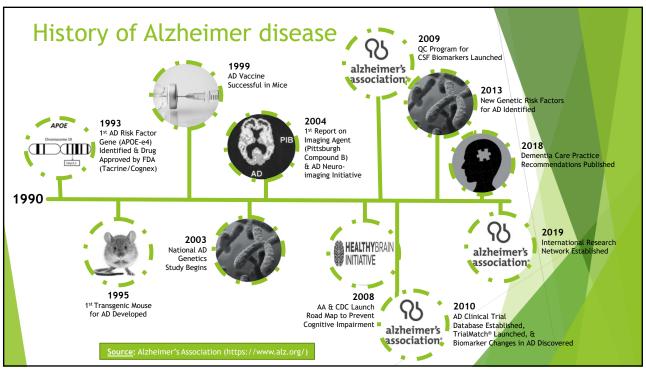
19 AD Drug Tripl & AD Gene Identified

1984

Dr. George Clemer B
Dr. Caline Wong Identifies

Source: Alzheimer's Association (https://www.alz.org/)

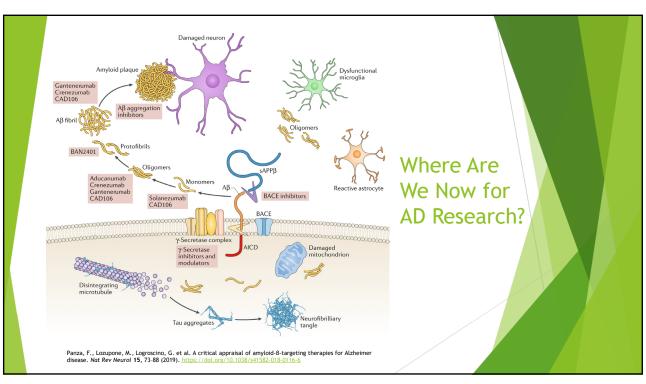




AD Milestones in Infrastructure, Policy, & Law

- ▶ 1974 Congress established the National Institute of Aging
- ▶ 1980 Alzheimer's Association founded
- ▶ 1983 November declared National AD Month
- ▶ 2008 International Society to Advance Alzheimer's Research and Treatment formed
- ▶ 2011 President Obama signs National Alzheimer's Project Act
- ▶ 2015 Alzheimer's Accountability Act signed into law

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► Tau protein ► AADvac1 (a vaccine) ► Inflammation ► 5-HT2A Receptor ► Alzheimer's prevention trials ► Anti-Amyloid Treatment in Asymptomatic Alzheimer's Disease (A4) Study ► Dominantly Inherited Alzheimer Network Trials Unit (DIAN-TU) ► The Alzheimer's Prevention Initiative (API)

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Technological Advances in AD Research

- Home Monitoring and Other Electronic Devices
 - ▶ Clocks
 - ▶ Communication Aids
 - ► Electrical Appliance Use Monitoring
 - ► GPS Location and Tracking Devices
 - ► Home Care Robots
 - ▶ In-Home Cameras
 - ► Medication Management
 - ▶ Picture Phones
 - ► Reminder Messages

