

WHAT MATTERS MOST TO PATIENTS AND THEIR FAMILIES

VJ Periyakoil, MD
 Stanford University
stanford.isage@gmail.com
 Twitter: @palliator

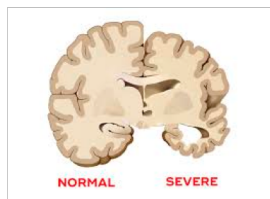
McKinsey Consumer Health Survey

- Quality of care you receive — 41 percent
- Cost you pay (i.e., out-of-pocket costs) — 11 percent
- Location — 7 percent
- Continuity of care/consistency of physicians and/or care team — 4 percent
- Appointment availability — 4 percent
- Appointment times that meet your needs — 4 percent
- Quality of physical facility — 4 percent
- Ease of access — 4 percent
- Range of services offered — 3 percent
- Services from clinical staff — 3 percent

2018 KEY FACTS AND FIGURES:

Alzheimer's disease is the **6TH LEADING CAUSE OF DEATH** in the United States

EVERY 65 SECONDS someone in the United States develops the disease



1 IN 10 PEOPLE AGE 65 AND OLDER (10 percent) has Alzheimer's dementia

5.7 MILLION AMERICANS are living with Alzheimer's. **BY 2050**, this number is projected to rise to nearly **14 MILLION**

BETWEEN 2000 AND 2015 deaths from heart disease have decreased 11% while deaths from **ALZHEIMER'S HAVE INCREASED 123%**

Top ten causes of death in the US

Rank	Age Groups										Total
	<1	1-4	5-9	10-14	15-24	25-34	35-44	45-54	55-64	65+	
1	Congenital Anomalies 4,816	Unintentional Injury 1,261	Unintentional Injury 787	Unintentional Injury 847	Unintentional Injury 13,895	Unintentional Injury 23,984	Unintentional Injury 20,975	Malignant Neoplasms 41,291	Malignant Neoplasms 116,364	Heart Disease 635,200	
2	Short Gestation 3,927	Congenital Anomalies 433	Malignant Neoplasms 449	Suicide 436	Suicide 5,723	Suicide 7,396	Malignant Neoplasms 10,903	Heart Disease 34,027	Heart Disease 76,610	Malignant Neoplasms 422,927	
3	SIDS 1,900	Malignant Neoplasms 377	Congenital Anomalies 203	Malignant Neoplasms 431	Homicide 5,172	Homicide 5,376	Heart Disease 10,477	Unintentional Injury 23,377	Unintentional Injury 21,660	Chronic Low Respiratory Disease 131,002	
4	Maternal Pregnancy Comp. 1,452	Homicide 339	Homicide 139	Homicide 147	Malignant Neoplasms 1,431	Malignant Neoplasms 3,791	Suicide 7,030	Suicide 8,437	Chronic Low Respiratory Disease 123,620	Chronic Low Respiratory Disease 154,596	
5	Unintentional Injury 1,219	Heart Disease 118	Heart Disease 77	Congenital Anomalies 146	Heart Disease 949	Heart Disease 3,445	Homicide 3,369	Liver Disease 8,364	Diabetes Mellitus 14,251	Alzheimer's Disease 114,863	
6	Placenta Cord Membranes 841	Influenza & Pneumonia 103	Chronic Low Respiratory Disease 65	Heart Disease 111	Congenital Anomalies 388	Liver Disease 925	Liver Disease 2,851	Diabetes Mellitus 6,267	Liver Disease 13,448	Diabetes Mellitus 56,452	
7	Bacterial Septis 863	Septicemia 70	Influenza & Pneumonia 49	Chronic Low Respiratory Disease 75	Diabetes Mellitus 211	Diabetes Mellitus 792	Diabetes Mellitus 2,048	Cerebrovascular Disease 5,353	Cerebrovascular Disease 12,310	Unintentional Injury 53,911	
8	Respiratory Distress 488	Perinatal Period 60	Septicemia 40	Cerebrovascular Disease 50	Chronic Low Respiratory Disease 206	Cerebrovascular Disease 575	Cerebrovascular Disease 1,851	Chronic Low Respiratory Disease 4,307	Suicide 7,756	Influenza & Pneumonia 42,479	
9	Circulatory System Disease 460	Cerebrovascular Disease 55	Cerebrovascular Disease 38	Influenza & Pneumonia 39	Influenza & Pneumonia 189	HIV 546	HIV 971	Septicemia 2,472	Septicemia 5,941	Nephritis 41,095	
10	Neonatal Hemorrhage 396	Chronic Low Respiratory Disease 51	Benign Neoplasms 31	Septicemia 31	Complicated Pregnancy 184	Complicated Pregnancy 472	Septicemia 897	Homicide 2,162	Nephritis 5,650	Septicemia 30,405	
										Suicide 44,965	

Data Source: National Vital Statistics System, National Center for Health Statistics, CDC. Downloaded from National Vital Statistics System, Respiratory and Circulatory Diseases, NCHS, 10/26/2016.

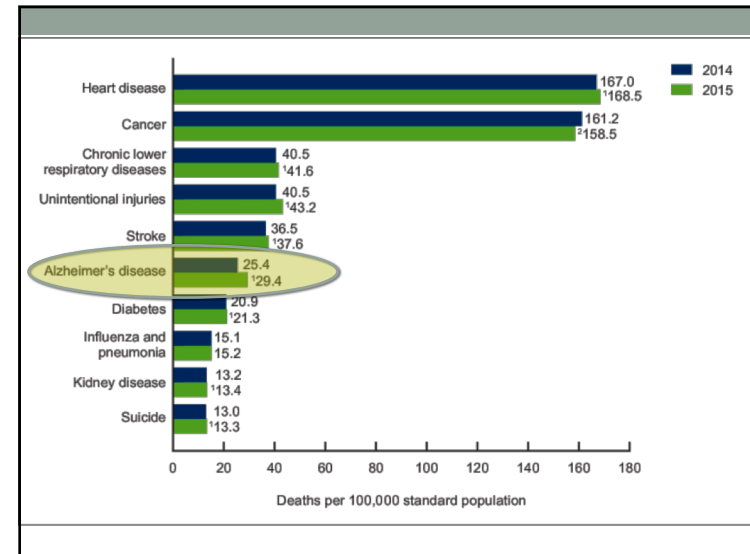
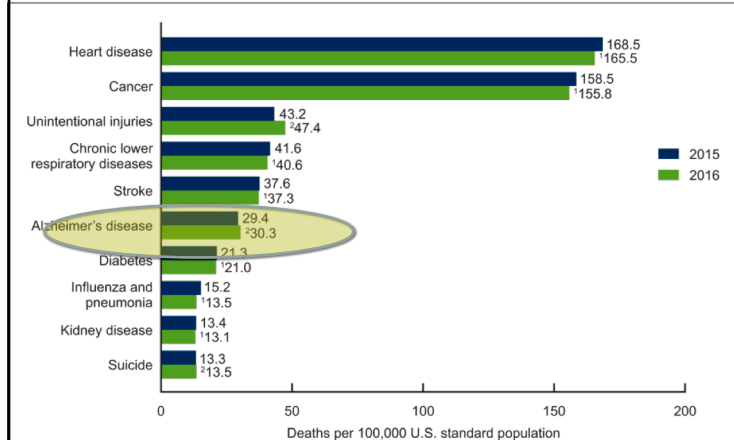


Figure 4. Age-adjusted death rates for the 10 leading causes of death in 2016: United States, 2015 and 2016



Statistically significant decrease in age-adjusted death rate from 2015 to 2016 ($p < 0.05$).
 Statistically significant increase in age-adjusted death rate from 2015 to 2016 ($p < 0.05$).
 NOTES: A total of 2,744,248 resident deaths were registered in the United States in 2016. The 10 leading causes accounted for 74.1% of all deaths in the United States in 2016. Rankings for 2015 data are not shown. Causes of death are ranked according to number of deaths. Access data table for Figure 4 at: https://www.cdc.gov/nchs/data/databriefs/db293_table.pdf#4.
 SOURCE: NCHS, National Vital Statistics System, Mortality.

Statement of the problem

- Patient # 1 problem

Where is patient number 1 ??

- The very first patient to be cured of dementia has been born (hopefully)
- But not identified yet!

What does the dementia cure search team need to be successful?

- 1. EXPERTS:
 - Neurologists
 - Geriatricians
 - Pathologists
 - Blood and biomarker experts
 - Brain imaging experts
- 2. MONEY AND RESOURCES:
 - NIH
 - Foundations
 - Private donors
- 3. WHAT IS THE MOST IMPORTANT INGREDIENT WE NEED DESPERATELY?

WE NEED YOU !!!

VOLUNTEER



Please join our dementia cure search team

What can I do?

- Please stay with us and be our friends.
 - Surveys
 - Annual visits
 - Attend patient conference
- Ask your friends and family to join our search team
 - Forgetfulness
 - Stiffness due to Parkinsons
- Spread the word about our center

Periyakoil Lab

- stanford.isage@gmail.com
- **Twitter: @palliator**