

A Look Ahead: The Impact of Alzheimer's Disease

Judah L. Ronch, Ph.D.

The Hilltop Institute

20th Anniversary Event

Baltimore, MD

October 23, 2014

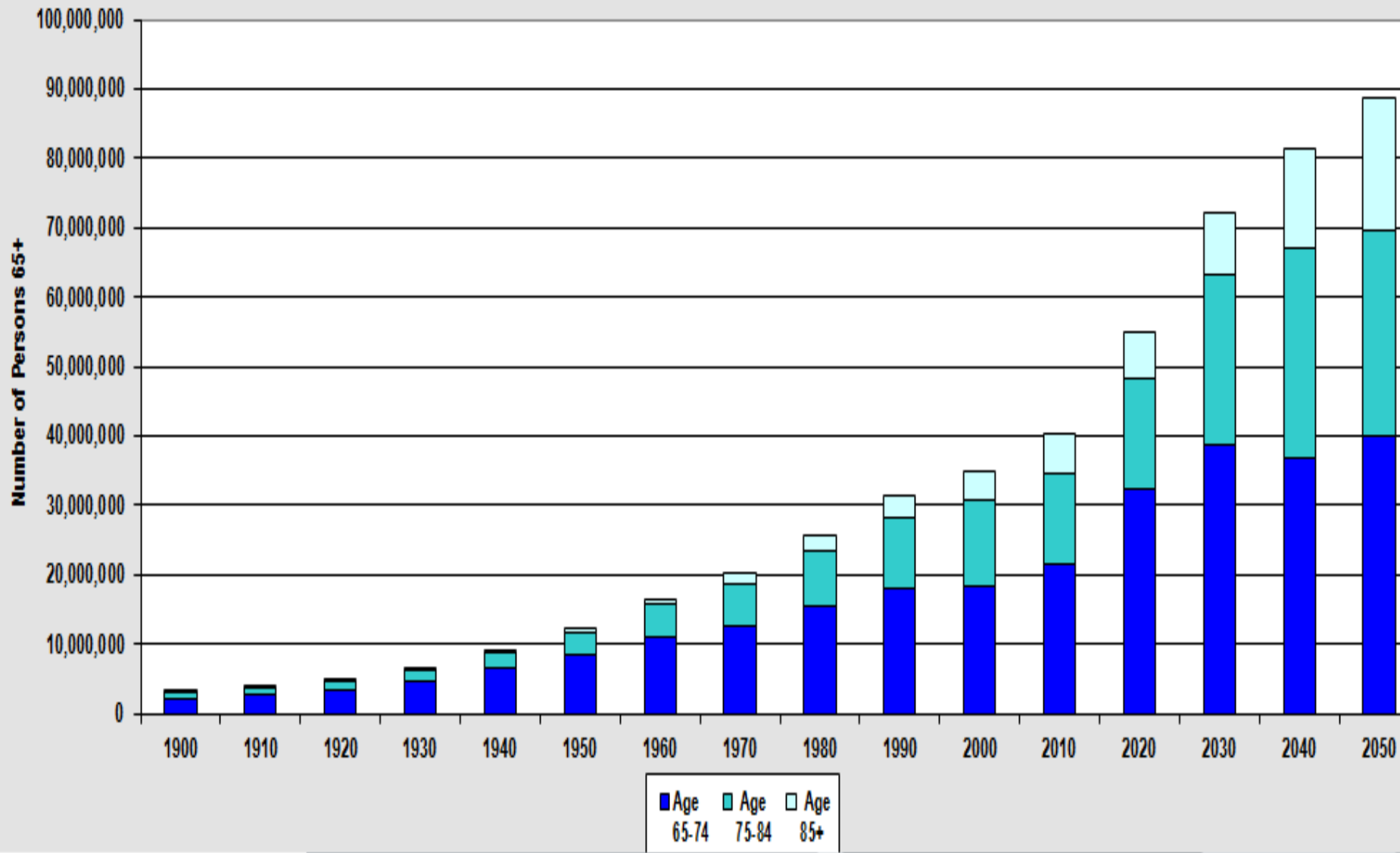


UMBC MANAGEMENT
OF AGING SERVICES

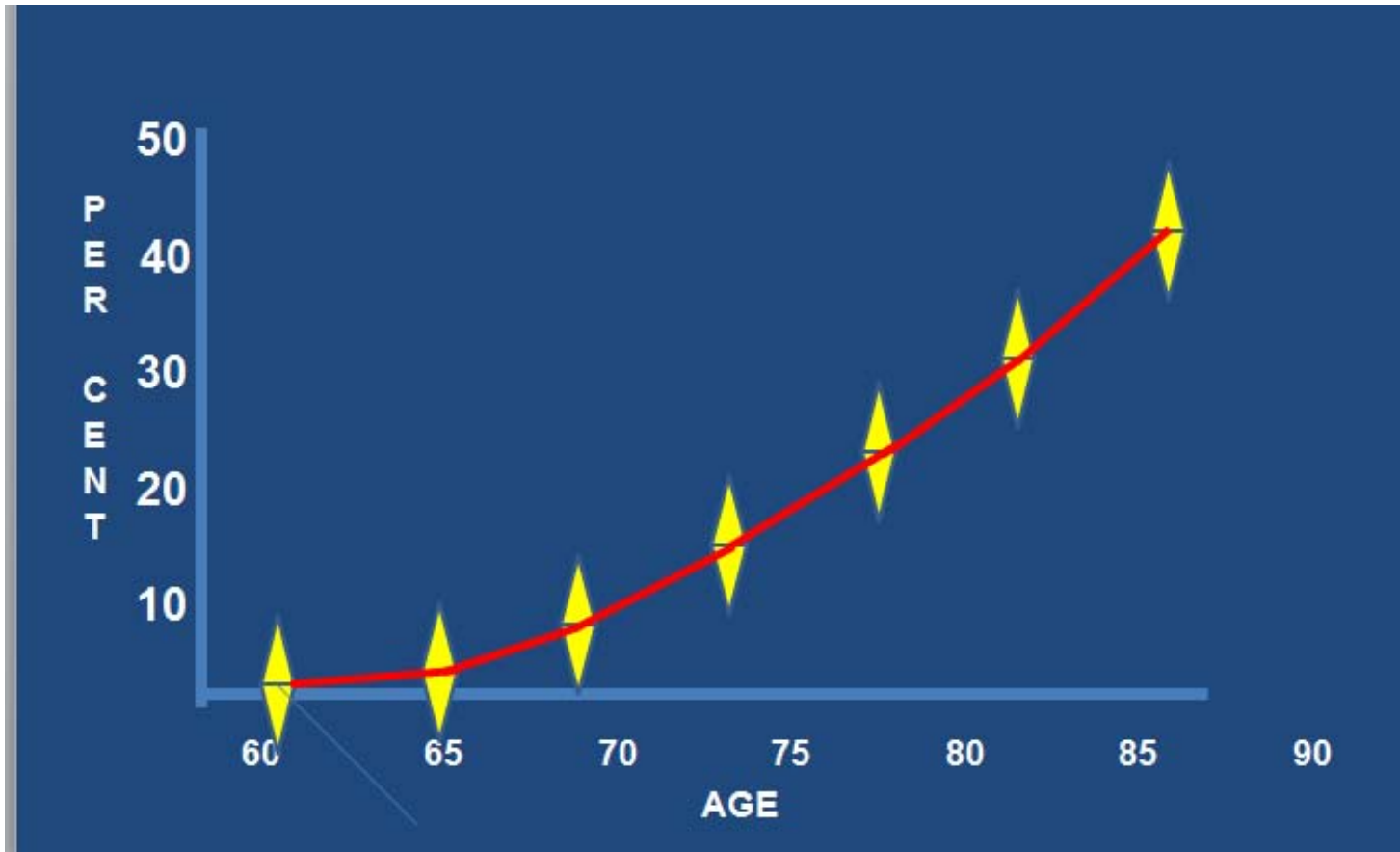
AT THE ERICKSON SCHOOL

Population 65+ by Age: 1900-2050

Source: U.S. Bureau of the Census



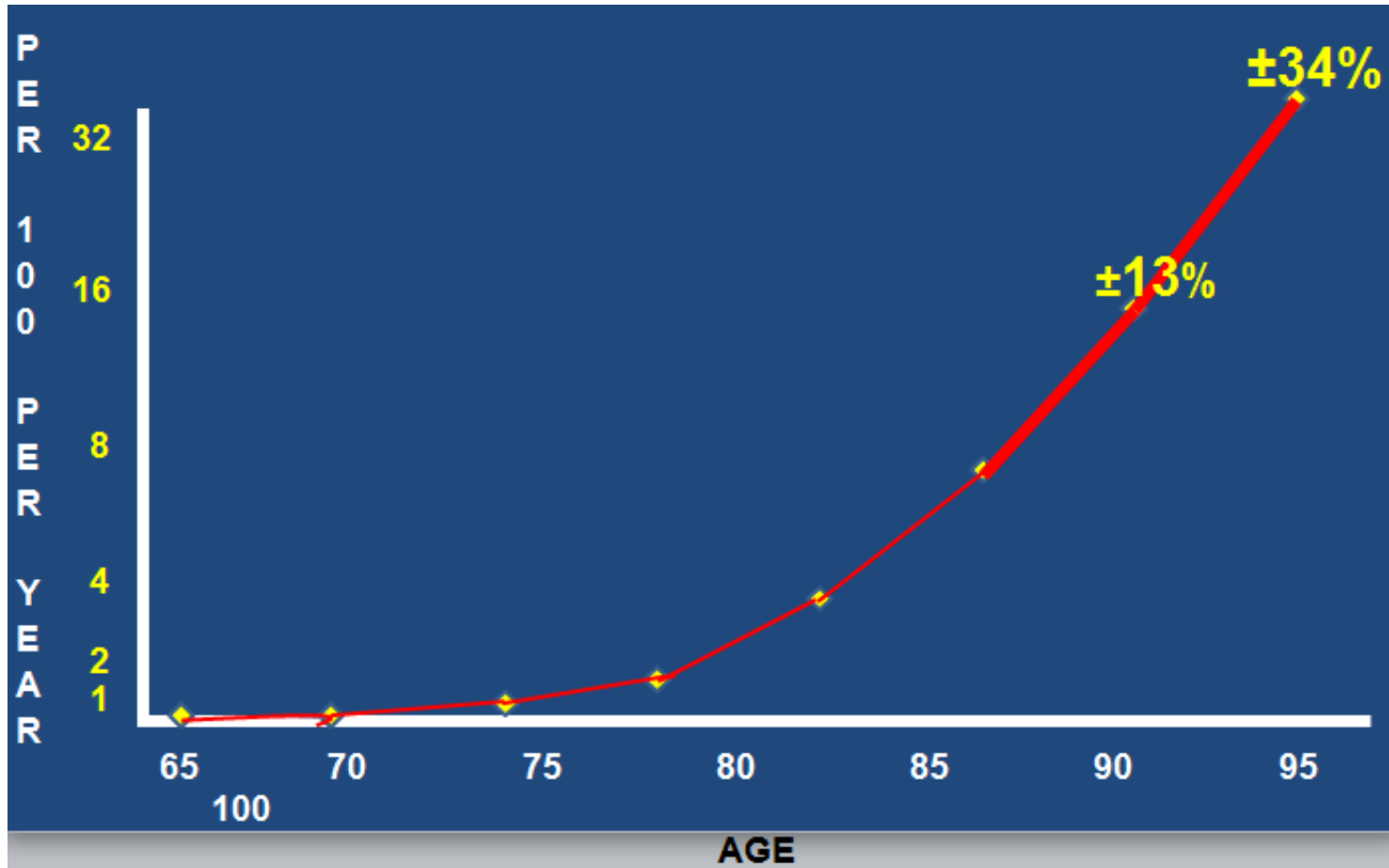
PREVALENCE OF DEMENTIA BY AGE



UMBC MANAGEMENT
OF AGING SERVICES

AT THE ERICKSON SCHOOL

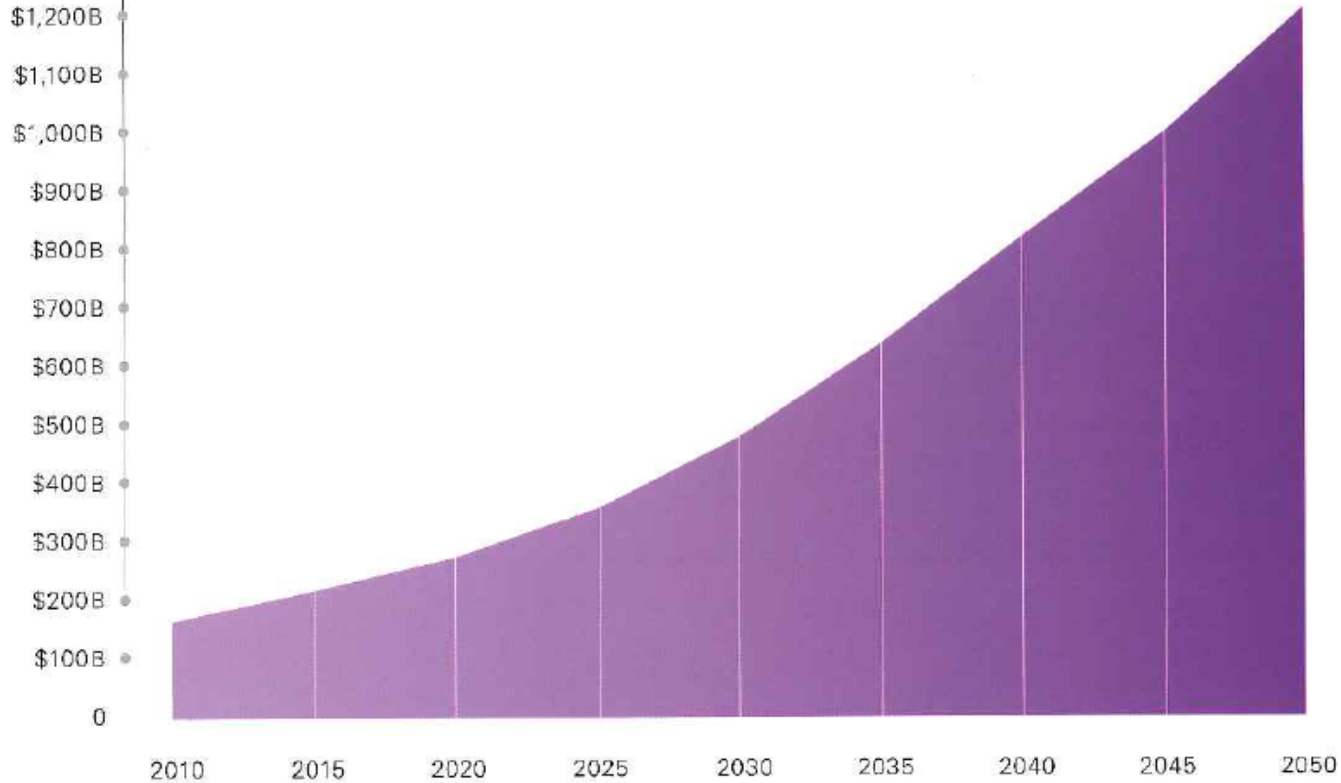
INCIDENCE OF DEMENTIA





The already high cost of Alzheimer's will skyrocket as the baby boomers age.

Total cost of care for those with Alzheimer's, with more than two-thirds paid by Medicare and Medicaid.



Source: Lewin Group Econometric Model of Alzheimer's and Dementia Costs (see: alz.org/trajectory).

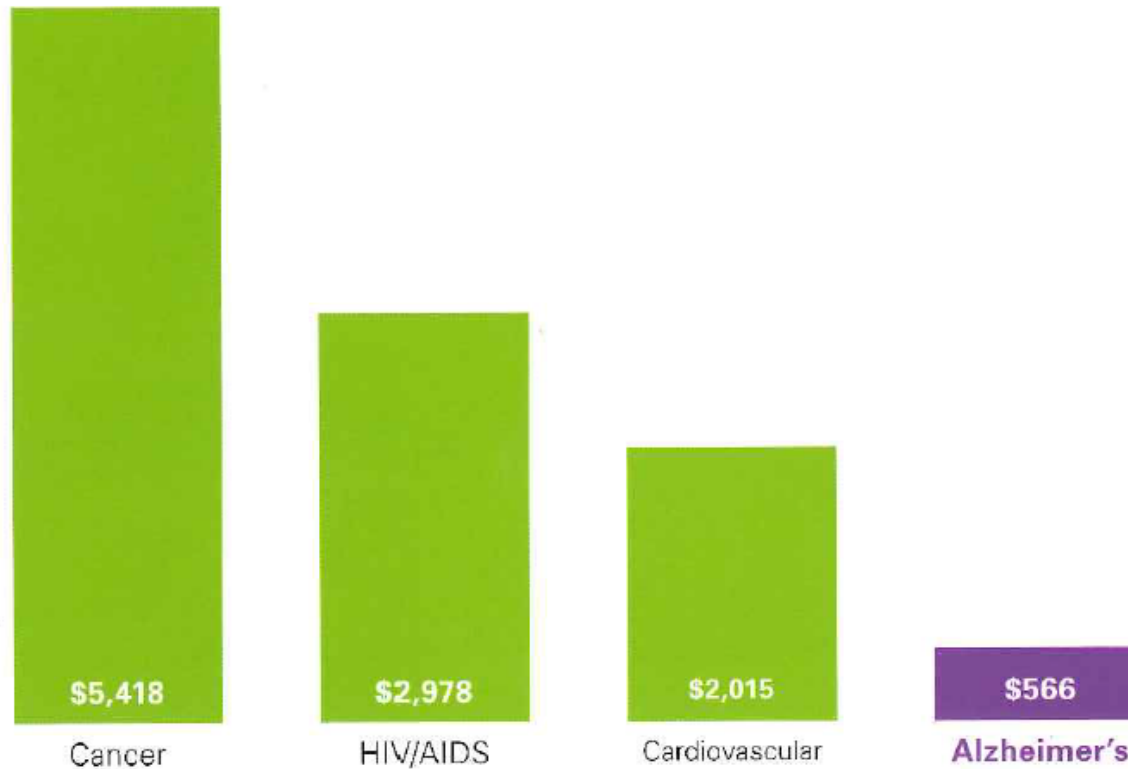


**UMBC MANAGEMENT
OF AGING SERVICES**

AT THE ERICKSON SCHOOL

NIH research investments in other conditions, shown below, are paying off. This proven approach should be applied to Alzheimer's.

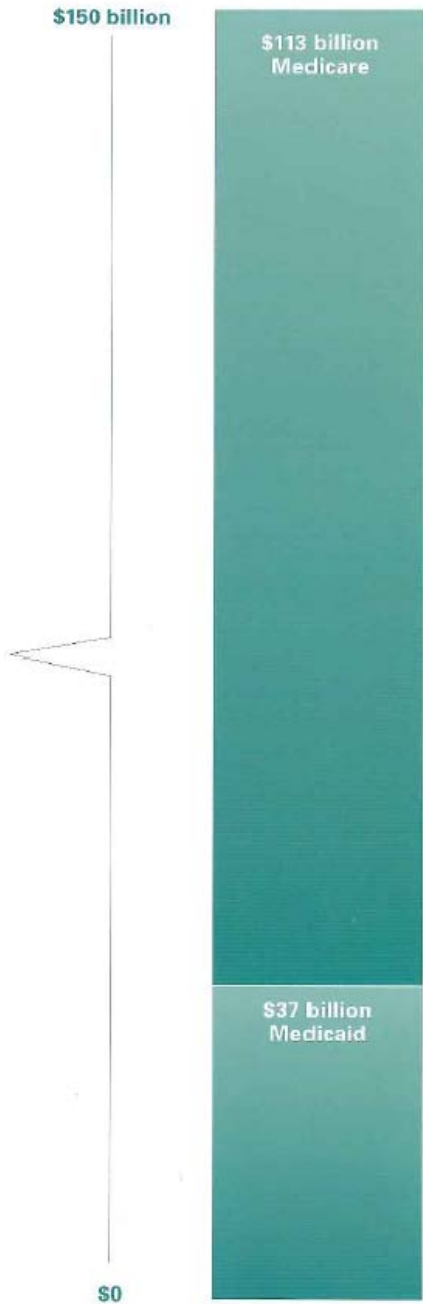
NIH Estimated Research Funding for FY2014.
(in millions)



Source: National Institutes of Health (http://report.nih.gov/categorical_spending.aspx).

Cover sources: Monetary Costs of Dementia in the United States. *New England Journal of Medicine*. April 4, 2013.
Alzheimer's Association, 2014 Facts and Figures, *Alzheimer's and Dementia*, Vol. 10, Issue 2.





Medicare and Medicaid spending for those with Alzheimer's

compared to scale with:

NIH investment in Alzheimer's research

**\$566 million
Alzheimer's
Research**



**UMBC MANAGEMENT
OF AGING SERVICES**

AT THE ERICKSON SCHOOL

Shortage of Well-Equipped Physicians

- Of the 28,000 licensed physicians in Maryland, only 1% is dedicated to the practice of geriatric medicine.



3 “Stages” of Alzheimer Disease

1. Decline in memory

- personality change
- executive function impairment

2. Cortical phase

- aphasia
- apraxia
- agnosia

3. Physical decline

- incontinence
- gait disorder
- swallowing/feeding
- muteness



ALZHEIMER'S DISEASE IN MARYLAND

- An estimated 100,000 people are expected to have AD by 2025.



UMBC MANAGEMENT
OF AGING SERVICES

AT THE ERICKSON SCHOOL

DISPARITIES IN ALZHEIMER'S

- Alzheimer's Association estimates that the prevalence of AD is 2 times higher for blacks than for whites. Hispanics have a rate 1.5 times greater than whites.
- Blacks have been shown to have a much higher rate of vascular dementias than whites.



RISK FACTORS CONTRIBUTING TO DEMOGRAPHIC DIFFERENCES

- Co-morbid chronic diseases
- Genetics
- Social factors
- Cultural factors



UMBC MANAGEMENT
OF AGING SERVICES

AT THE ERICKSON SCHOOL

Average Annual Per-Person Payments for Health Care Services Provided to Medicare Beneficiaries Age 65 and Older with and without Alzheimer's Disease and Other Dementias, in 2013 Dollars

Service	Beneficiaries with Alzheimer's Disease and Other Dementias	Beneficiaries without Alzheimer's Disease and Other Dementias
Inpatient hospital	\$10,748	\$4,321
Medical provider*	6,220	4,124
Skilled nursing facility	4,072	474
Nursing home	18,898	840
Hospice	1,880	184
Home health	1,507	486
Prescription medications**	2,799	2,853

*"Medical provider" includes physician, other medical provider and laboratory services, and medical equipment and supplies

** Information on payments for prescription drugs is only available for people who were living in the community; that is, not in a nursing home or assisted living facility.

Created from unpublished data from the Medicare Current Beneficiary Survey from 2008.



**UMBC MANAGEMENT
OF AGING SERVICES**

AT THE ERICKSON SCHOOL

THANKS!

Judah L. Ronch, Ph.D.
Dean and Professor
Erickson School, UMBC
ronch@umbc.edu



UMBC MANAGEMENT
OF AGING SERVICES

AT THE ERICKSON SCHOOL