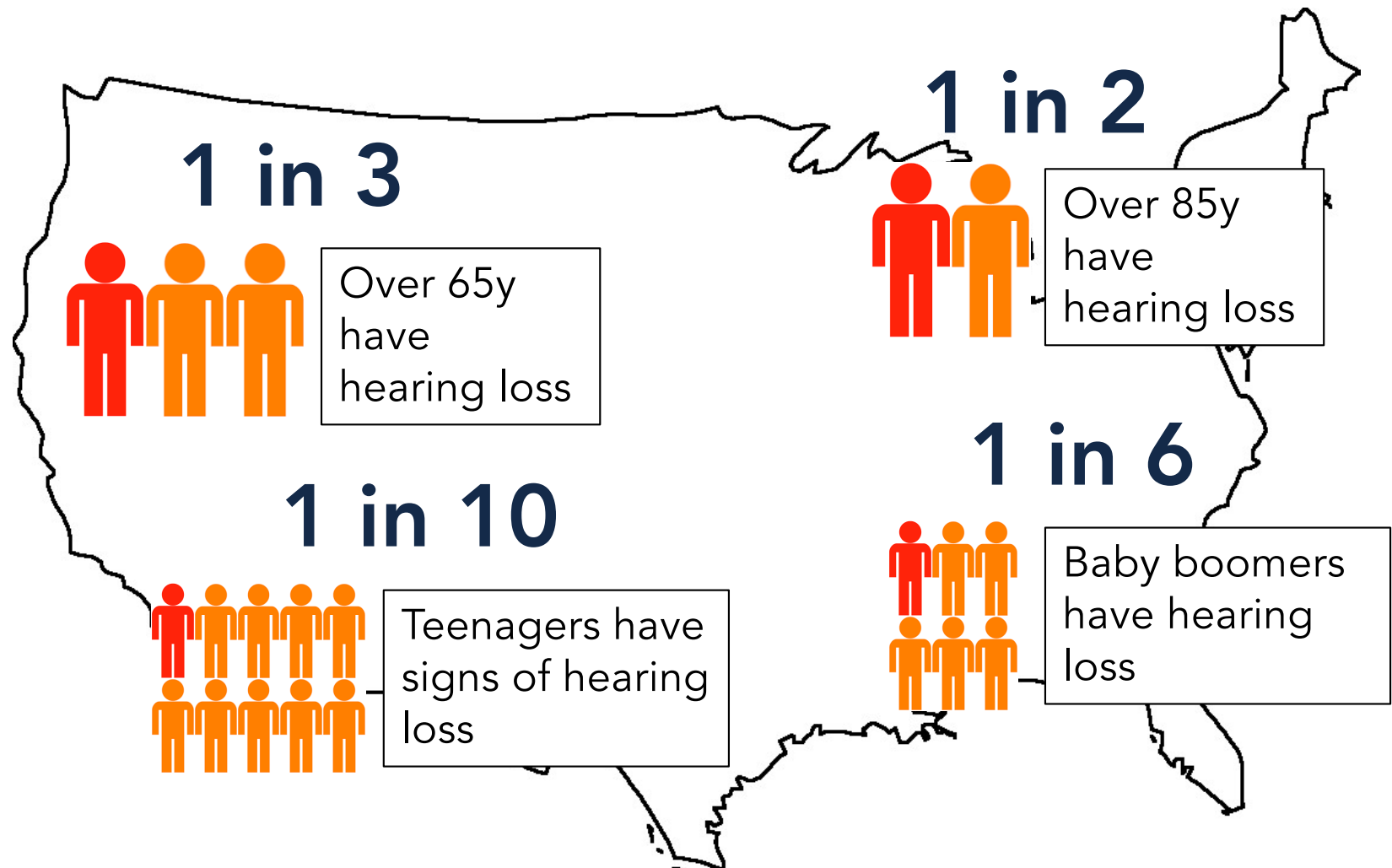


The cost of hearing care in the United States

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PREVALENCE OF HEARING LOSS



10-12% of people have no hearing loss but hearing difficulty



The most common causes of hearing loss:



Noise Exposure



Heredity



Head Injury



Medications



Aging



Illness



Hearing Loss and Hearing Aid Use



28.8 million
U.S. adults could benefit
from using hearing aids.



**Only 1 in 4 U.S. adults ages 20 years and older who
could benefit from hearing aids has used them.**



About **1 in 6** adults (16%)
ages 20 to 69

About **1 in 3** adults (30%)
ages 70+



NIH National Institute on
Deafness and Other
Communication Disorders

www.nidcd.nih.gov

<https://twitter.com/nidcd>

Sources:

NIDCD Epidemiology and Statistics Program, based on December 2015 Census Bureau estimates of the noninstitutionalized U.S. population, personal communication; May 2016.

Blackwell, D.L., Lucas, J.W., Clarke T.C. (2014). Summary health statistics for U.S. adults: National Health Interview Survey, 2012. National Center for Health Statistics. *Vital Health Stat 10*(260). Retrieved May 31, 2016, from http://www.cdc.gov/nchs/data/series/sc_10/sr10_260.pdf (PDF - 3.5 MB)

Based on calculations by NIDCD Epidemiology and Statistics Program staff using data collected by (1) the National Health Interview Survey (NHIS) annually for number of persons who have ever used a hearing aid [numerator], and (2) periodic NHANES hearing exams for representative samples of the U.S. adult and older adult population [denominator]; these statistics are also used for tracking Healthy People 2010 and 2020 objectives.

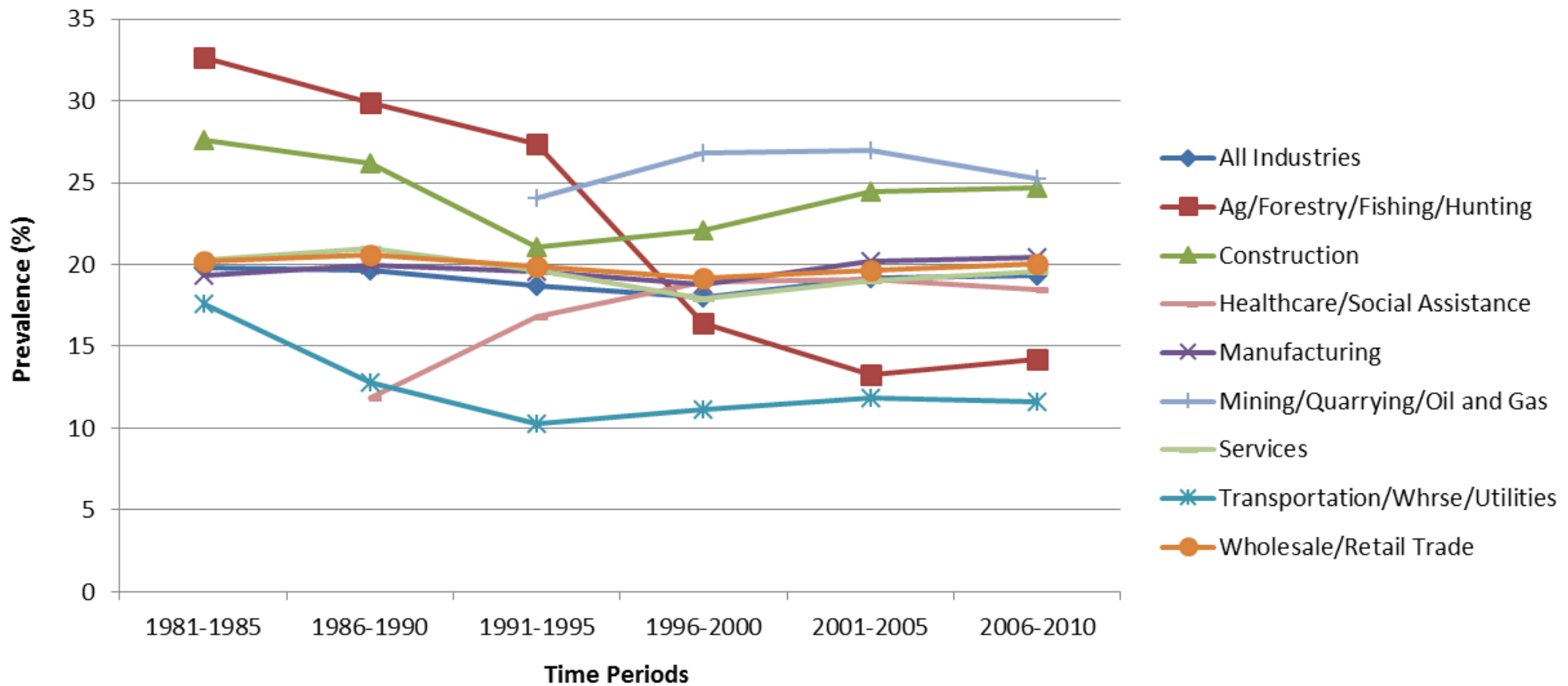
Hearing aids cost too much!





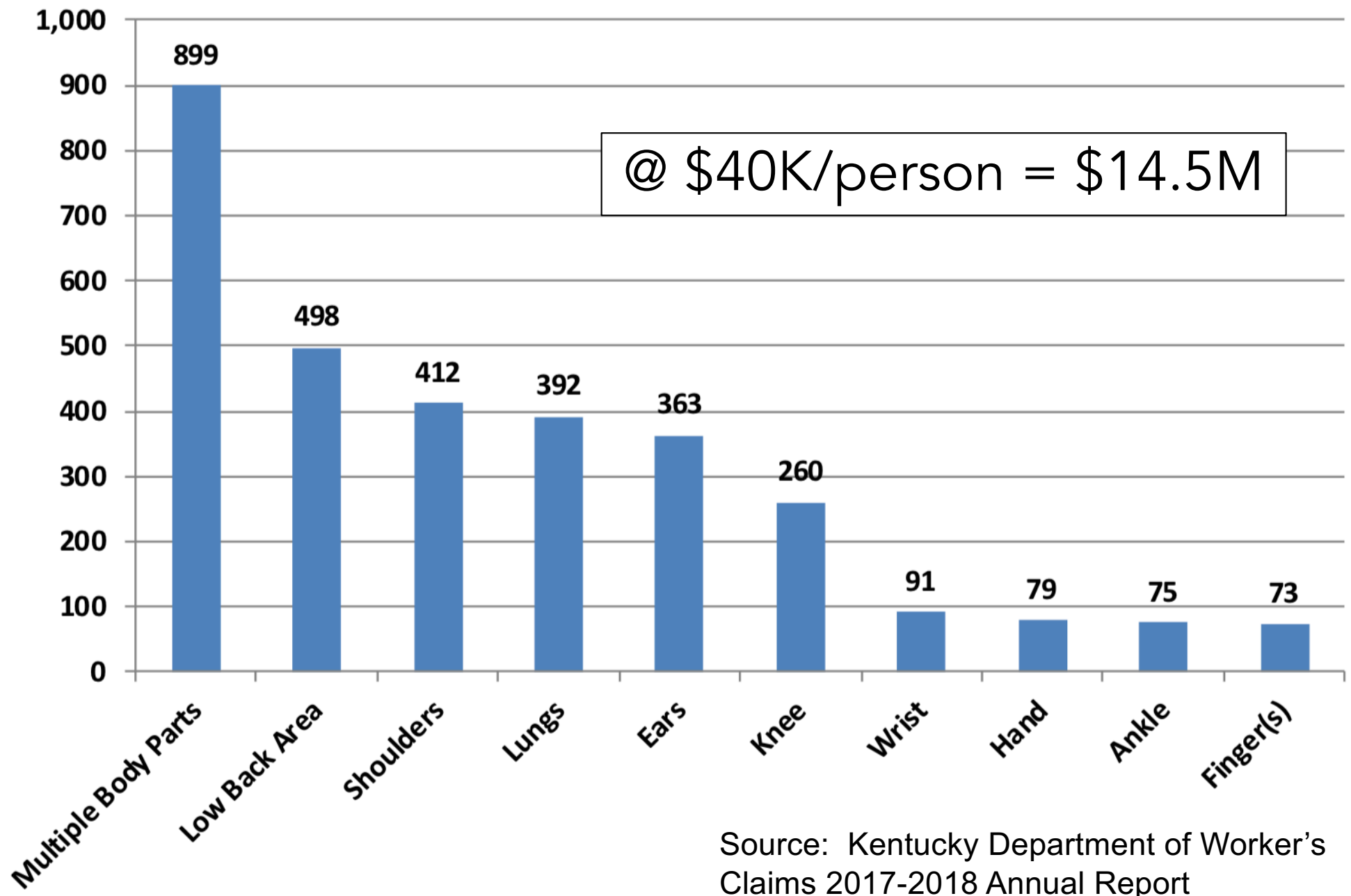
U.S. Department of Health and Human Services
Food and Drug Administration

Prevalence of Hearing Loss by Time Period and Industry Sector, 1981 - 2010, for 1,816,812 Workers



National Institute for Occupational Safety and Health (NIOSH), 2015

Distribution of Claims by Body Part Top Ten





ARMY HEARING PROGRAM

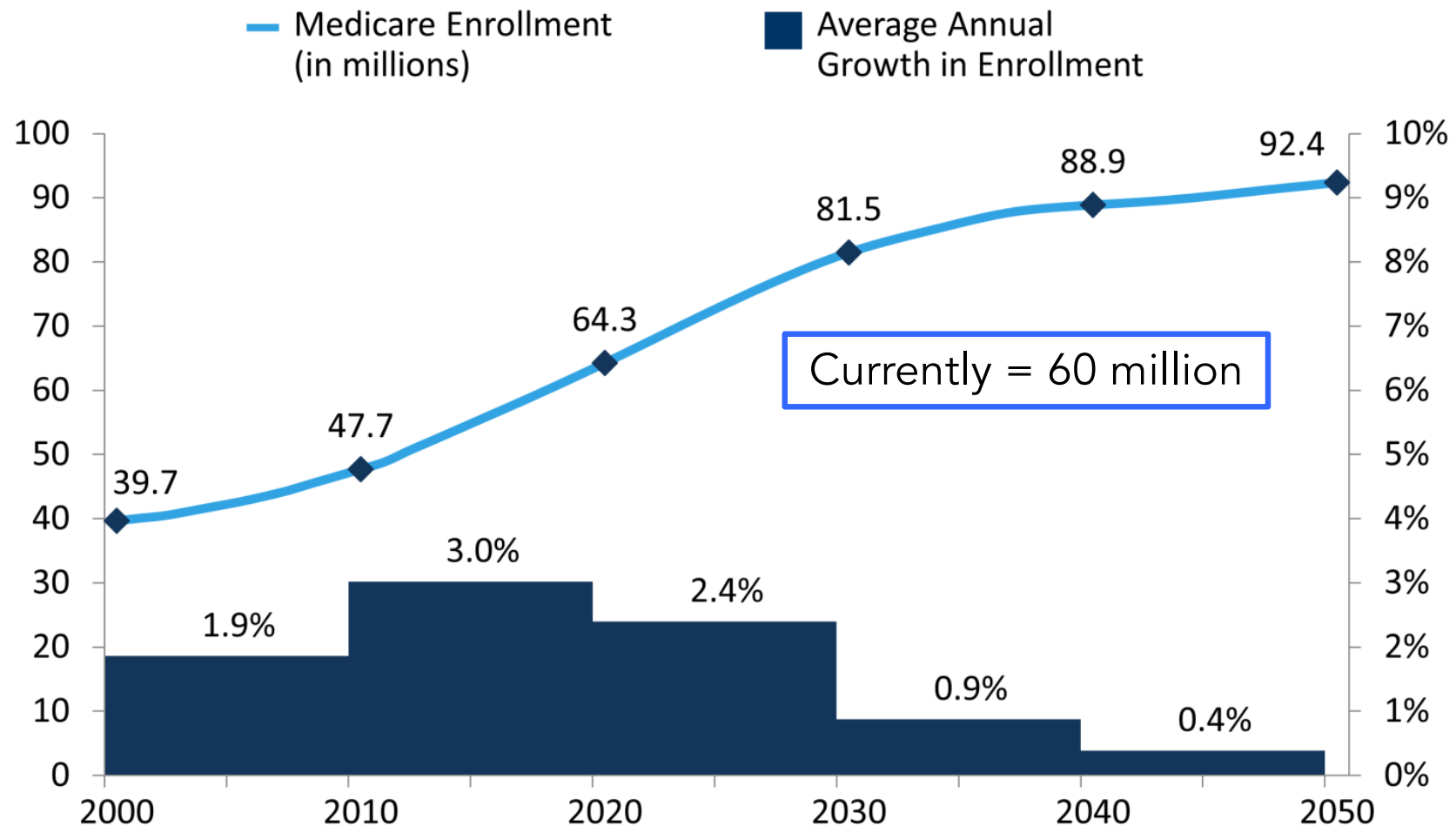


HEARING READINESS

Estimates of **\$1.2B** for
care of hearing loss in
1.8M Veterans in 2012.

Alamgir H, et al. Economic burden of hearing loss for the U.S. military: a proposed framework for evaluation. Military Medicine, 181, 4:301, 2016

Projected Change in Medicare Enrollment, 2000-2050

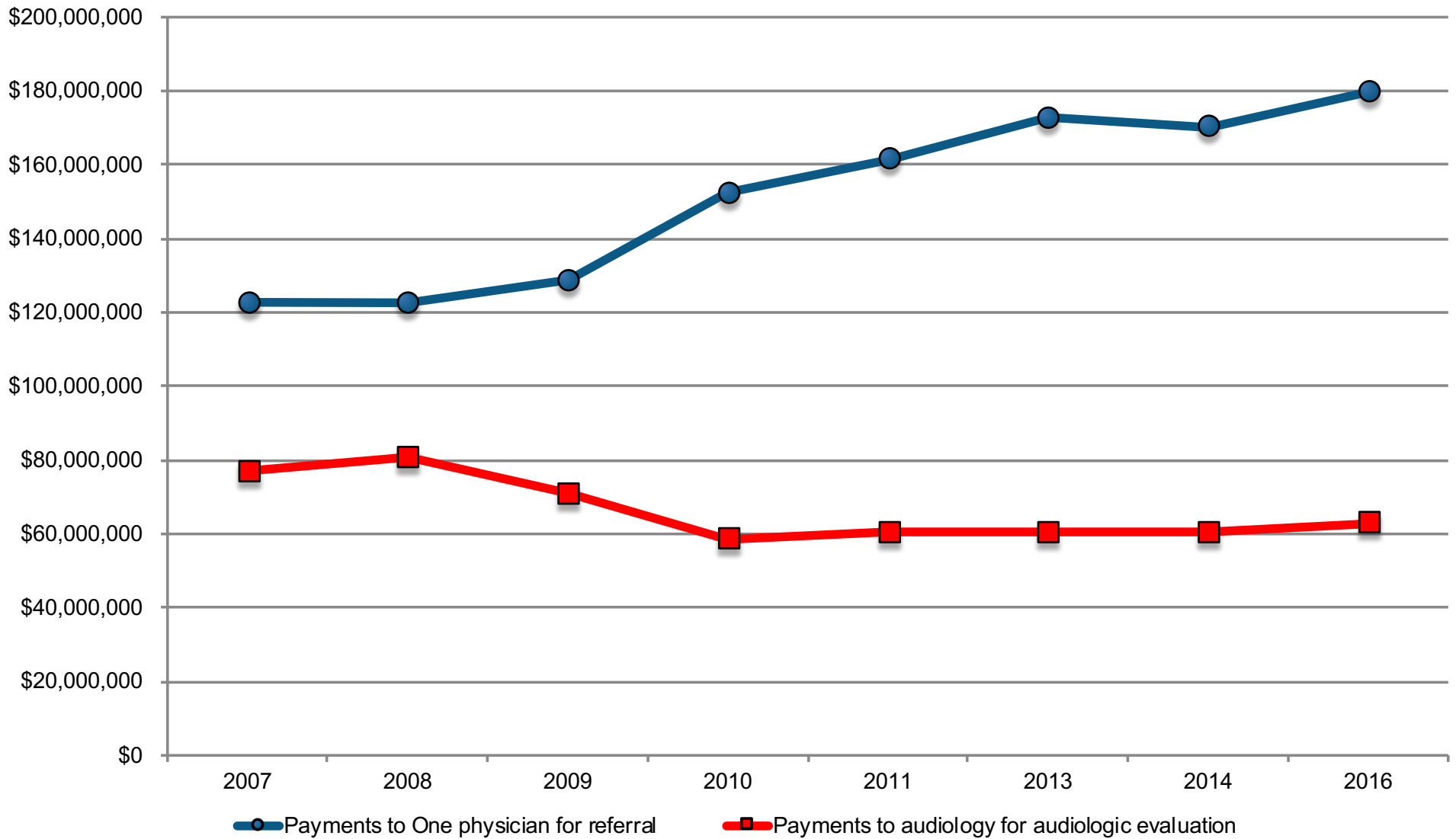


SOURCE: 2013 Annual Report of the Boards of Trustees of the Federal Hospital Insurance and Federal Supplementary Medical Insurance Trust Funds.



<https://www.kff.org/medicare/slide/projected-change-in-medicare-enrollment-2000-2050/>

Payments to physicians (single visit) by Medicare to generate referral for hearing care evaluation, with subsequent payment for those services

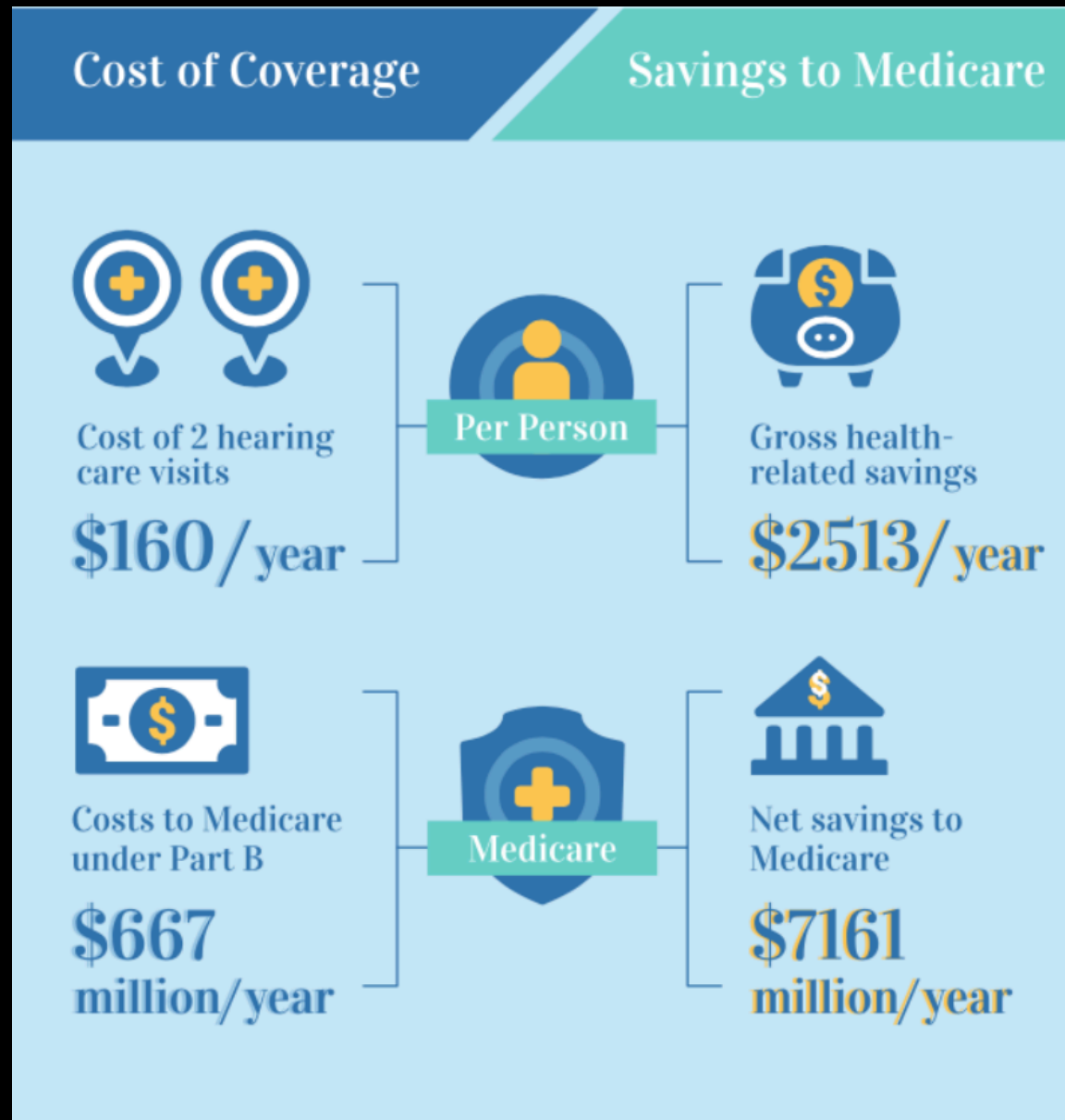


Average annual spending of Medicare beneficiaries who use hearing care services = \$8,196; spending of those who do not use hearing care services = \$10,709



\$2,513
annually/person

Willink A, et al. Cost-benefit analysis of hearing care services: What is it worth to Medicare. Journal of the American Geriatric Society. April, 2019)



Willink A, et al. Cost-benefit analysis of hearing care services: What is it worth to Medicare. Journal of the American Geriatric Society. April, 2019)

Healthcare Utilization

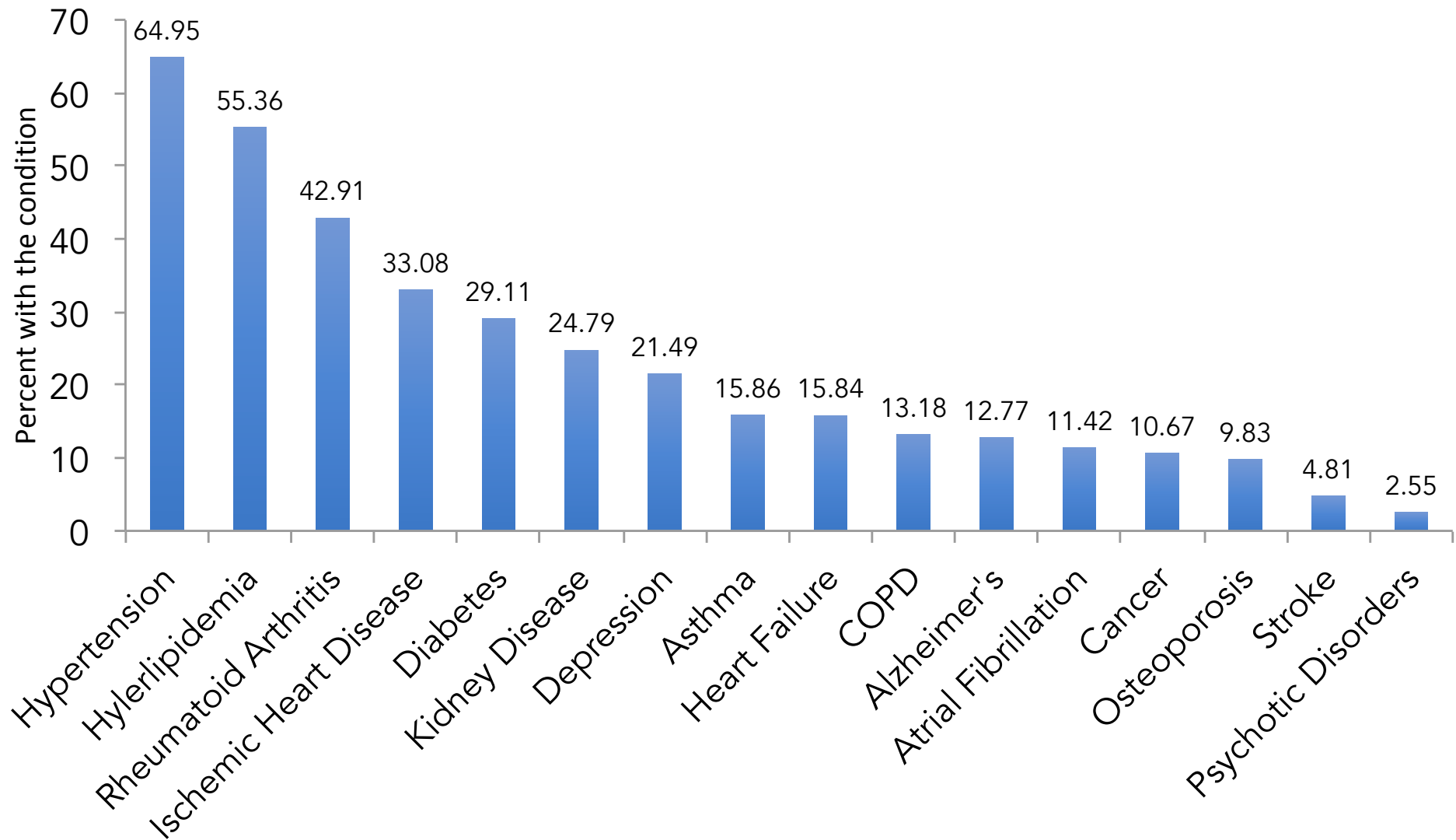
	2 Years	5 Years	10 Years
Medical Costs	\$3851	\$11,147	\$22,433
Inpatient stays	1.2 x	1.3 x	1.47 x
Outpatient visits	+ 7.5 visits	+21.5 visits	+52.2 visits

Reed NS, et al. Trends in health care costs and utilization associated with untreated hearing loss over 10 years. JAMA- Otolaryngology, 2019; 145 (1): 27-34

- Falls 60% higher
- Unemployment... 2x as likely
- Depression 4x higher
- Anxiety 1.5x higher
- Sick leave..... 24% more
- Institutionalization. 2.5x higher

Other costs associated with hearing loss

Co-morbid conditions associated with hearing loss



DEMENTIA

9 WAYS TO REDUCE YOUR RISK

1 IN 3

cases of dementia
could be prevented
by addressing these
lifestyle factors

INCREASE

Education

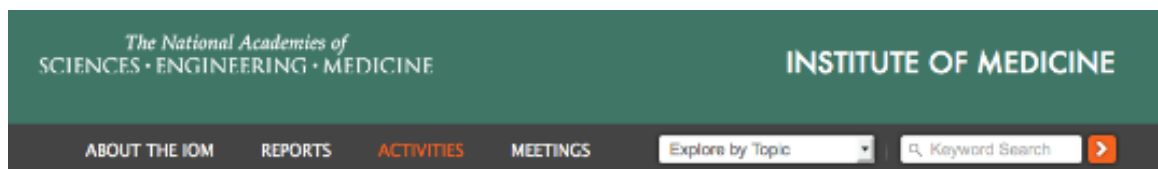
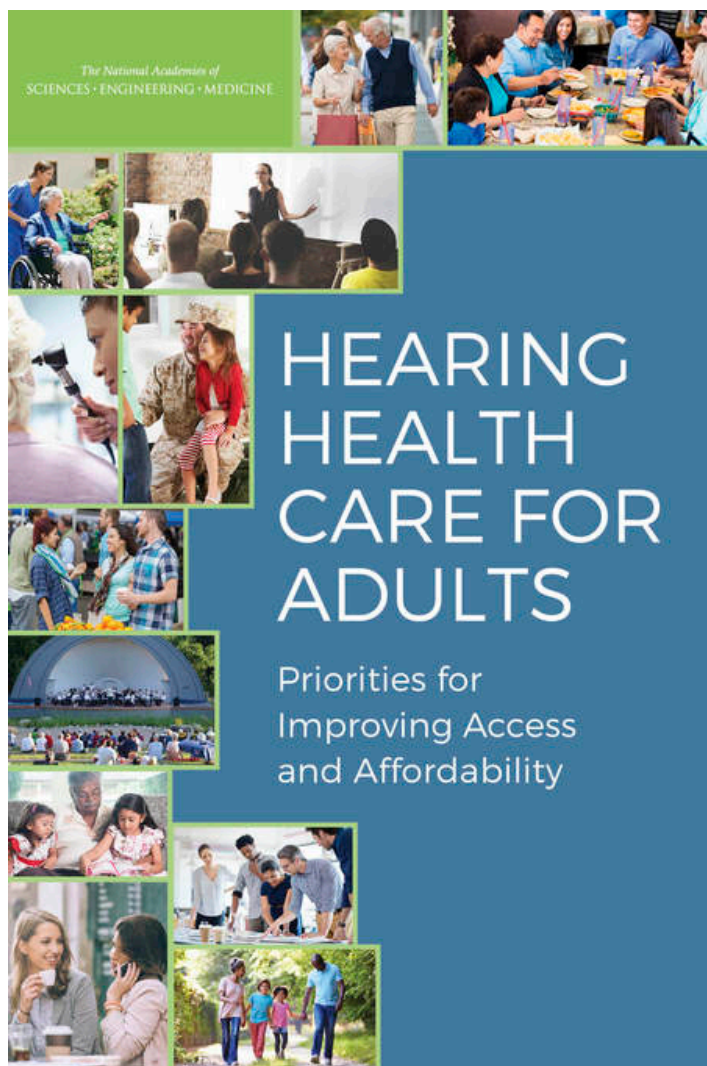
Physical
Activity

Social
Contact

DECREASE

Hearing Loss
Hypertension
Obesity
Smoking
Depression
Diabetes

Source: Lancet Commission on Dementia Prevention and Care
Credit: Keck Medicine of USC



Activity


Committee on Accessible and Affordable Hearing Health Care for Adults

Committee Members

- Dan Blazer, Chair
- + View Full Committee Roster

Sponsors

- Centers for Disease Control and Prevention (CDC)
- Department of Defense (DOD)
- Department of Veteran's Affairs (DVA)
- Food and Drug Association (FDA)
- Hearing Loss Association of America (HLAA)
- National Institute on Aging (NIA)
- National Institute on Deafness and Other Communicative Disorders (NIDCD)

- 
- Strengthen efforts to collect and analyze data on hearing loss, its effects and treatment outcomes, including relationships to co-morbid conditions
 - Improve access to hearing healthcare for underserved and vulnerable populations
 - Promote hearing health in wellness and medical visits
 - Evaluate and implement innovative models for hearing care

NASEM recommendations

Thank-you for your time!

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