

# ***The demography of dementia across the world***

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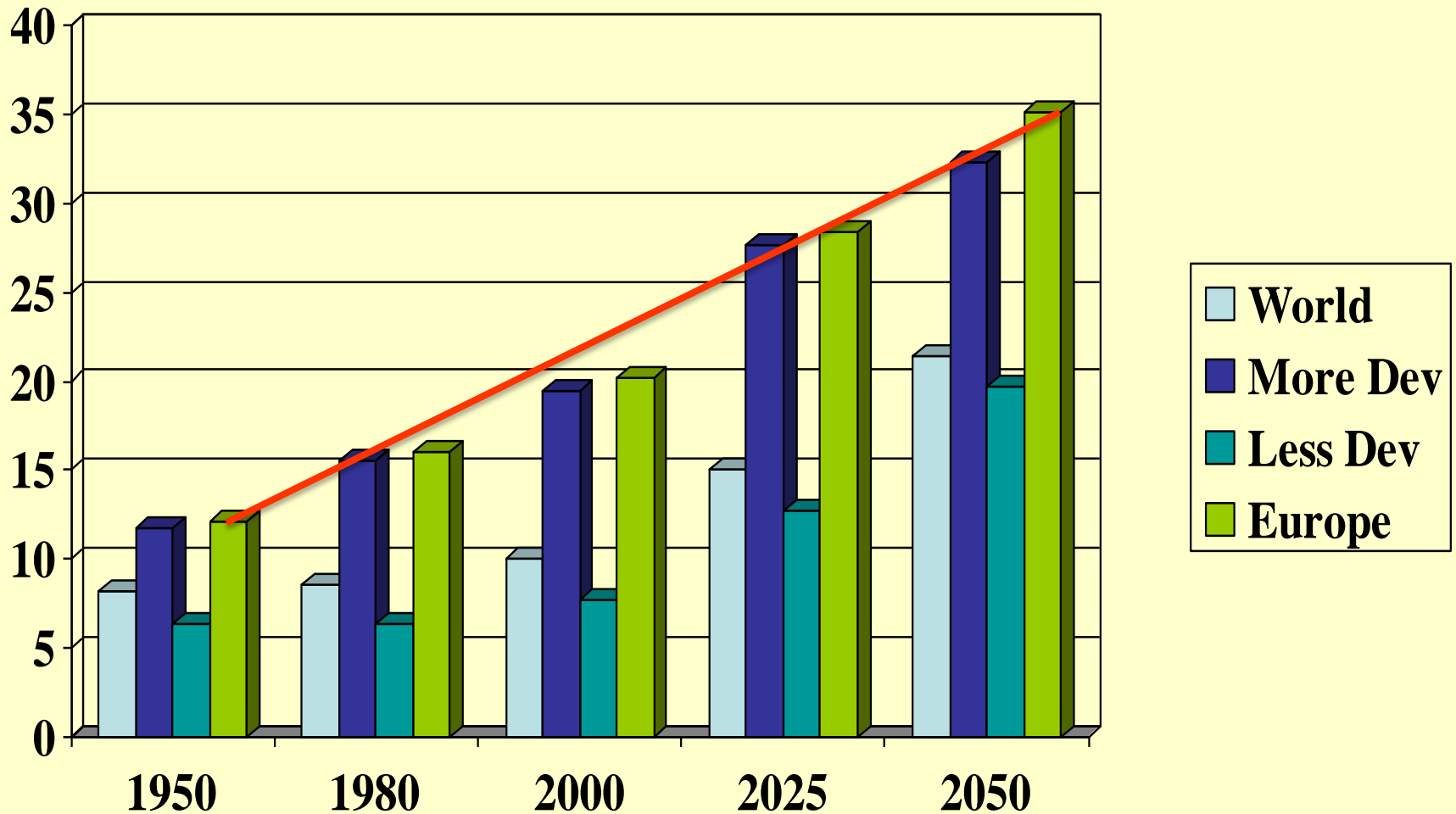
**Oxford Institute of Population Ageing  
University of Oxford**

**6 January 2018**

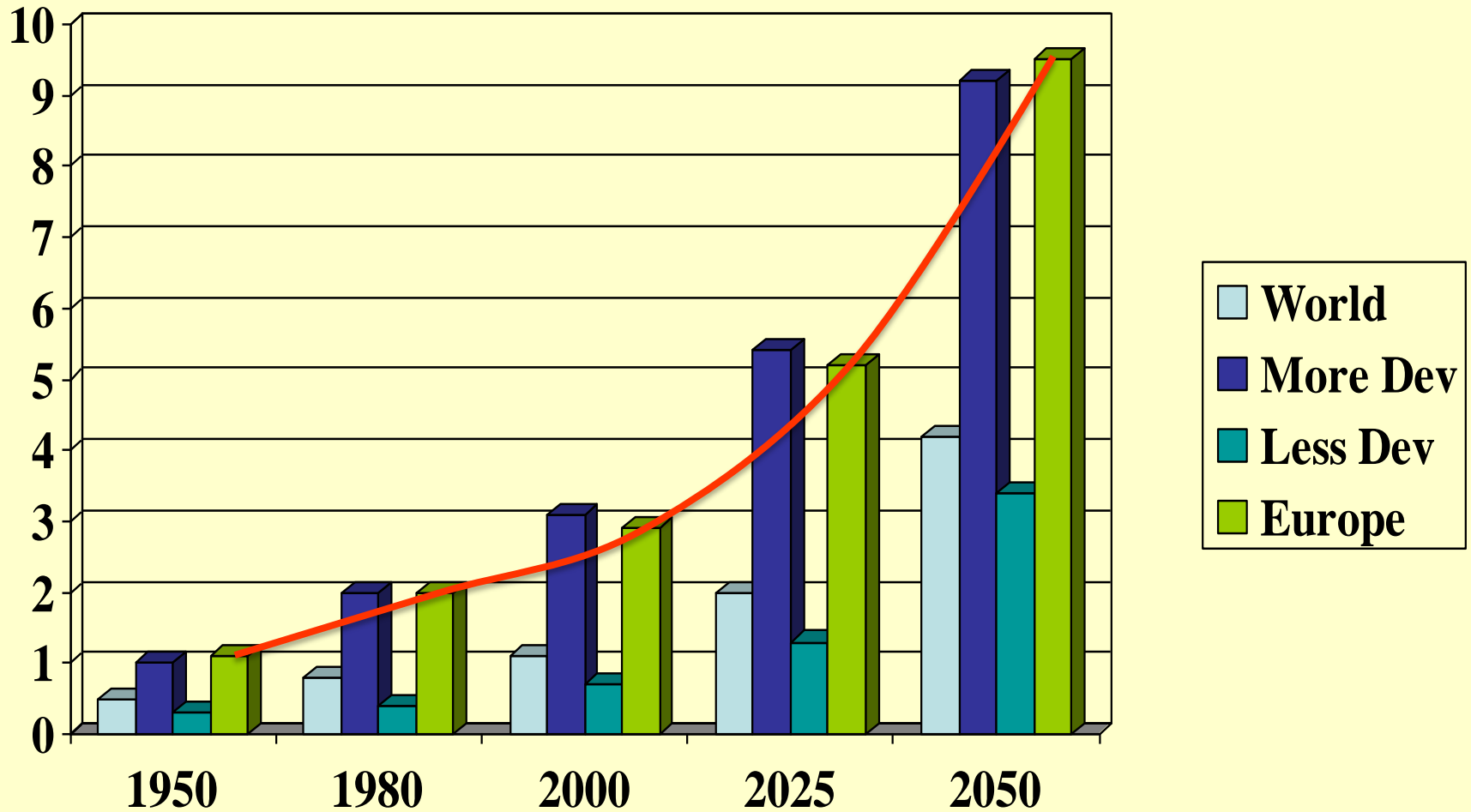
# Population Ageing

- **Population change is quite dramatic in many places.**
- **The share number of people aged 60+ is increasing faster than what we often thought.**
- **Population pyramid can give us a clear picture about population changes over time for a country.**

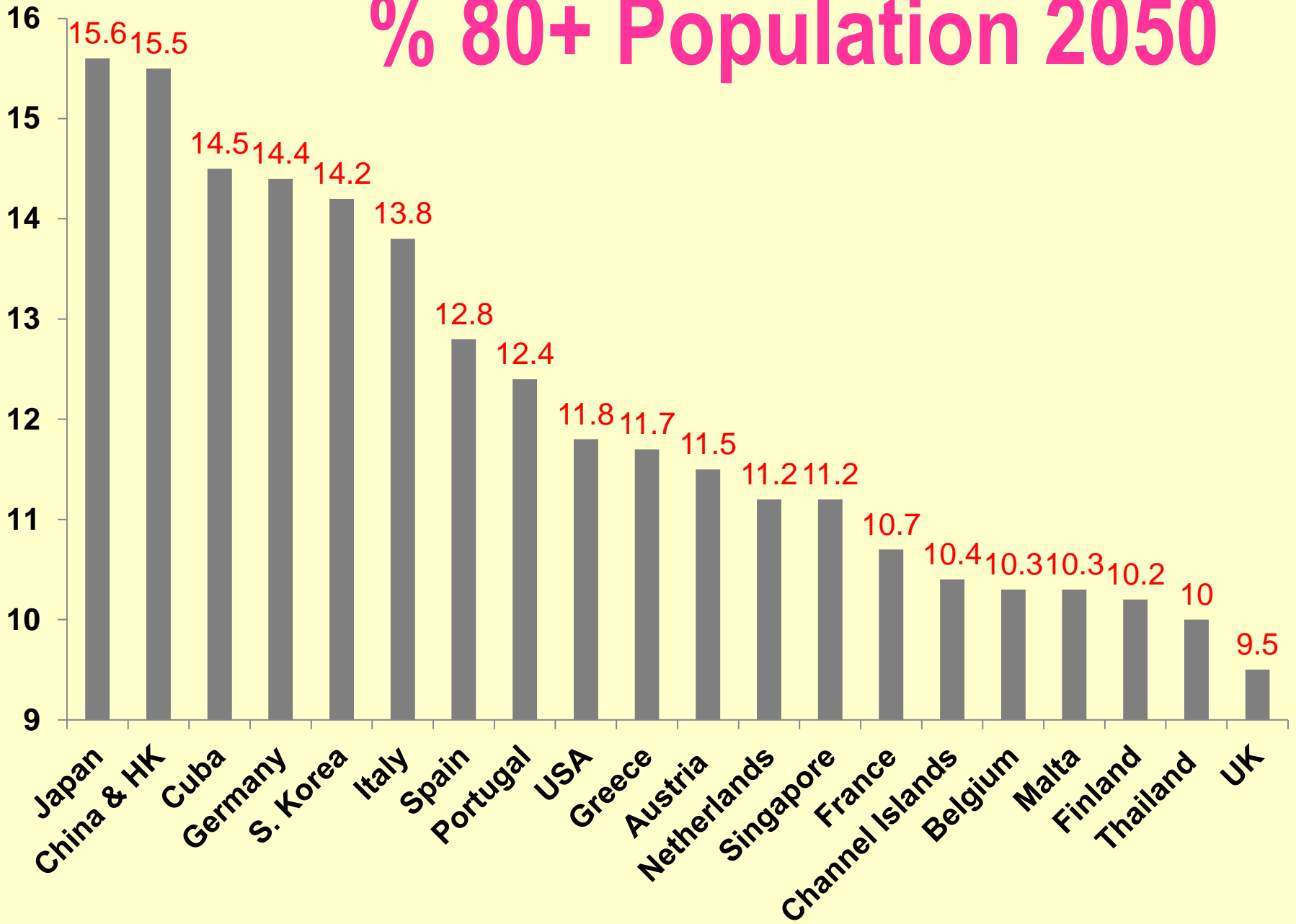
# 1950-2050 Population 60+ %



# 1950-2050 Population 80+ %



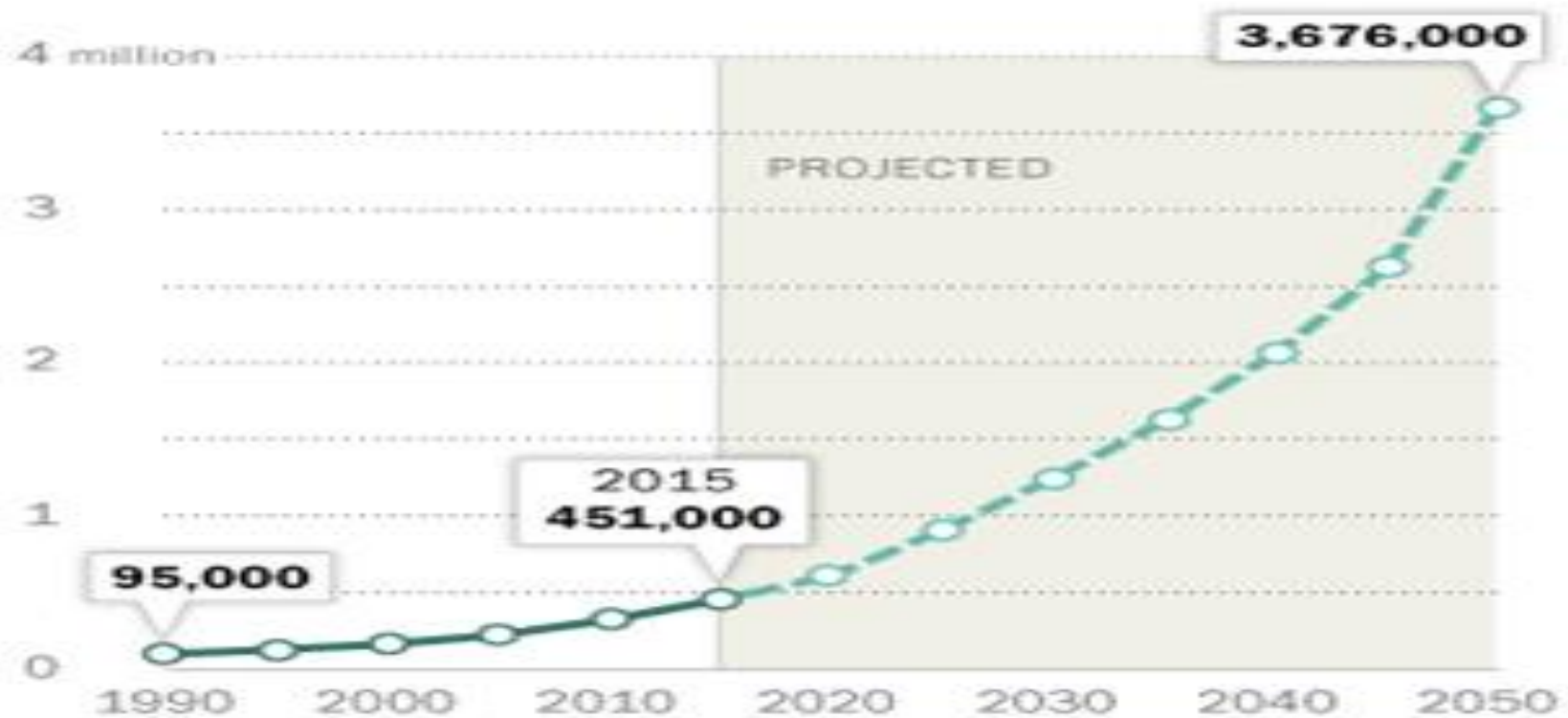
# % 80+ Population 2050



# Centenarians

## The world's centenarian population projected to grow rapidly

*Number of persons ages 100 and older*



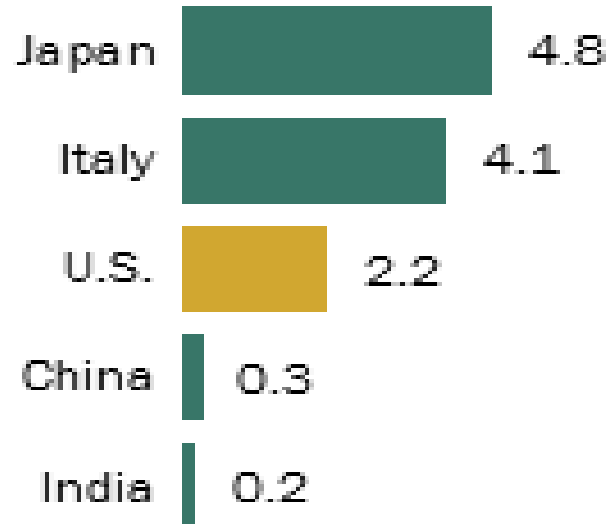
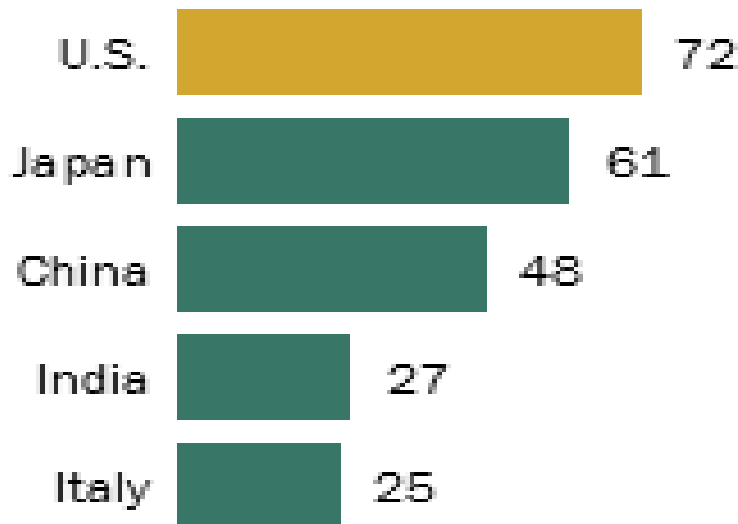
Source: United Nations, Department of Economic and Social Affairs, "World Population Prospects: 2015 Revision"

# Centenarians Globally

## U.S. has the most centenarians overall in 2015, but fewer per capita than other top countries

*Number of persons ages 100 and older, in thousands*

*Number of persons ages 100 and older per 10,000 people*



Note: These five countries had the most centenarians in 2015.

Source: United Nations, Department of Economic and Social Affairs, "World Population Prospects: 2015 Revision"

5.20%

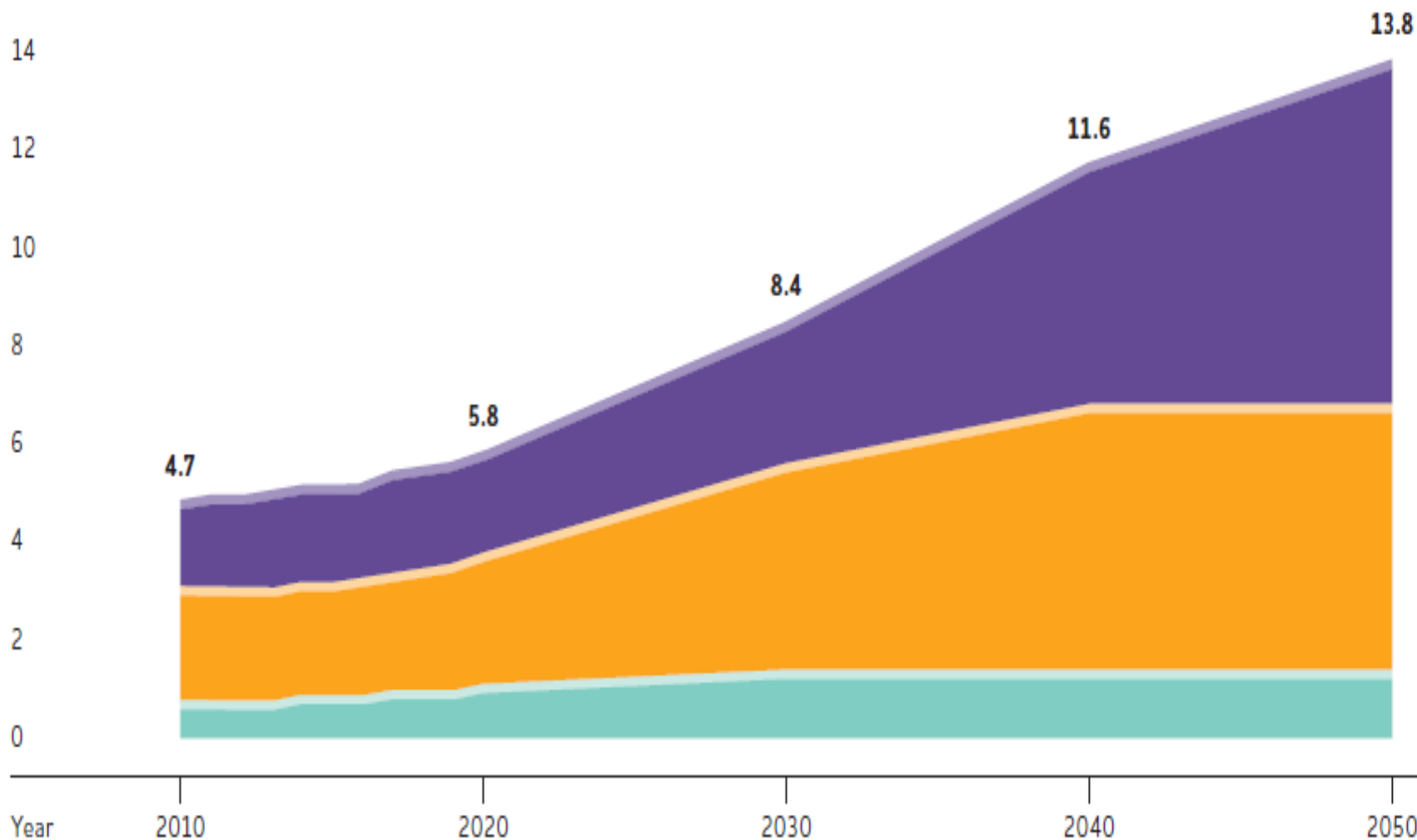
of people **over the age of 60** are living with dementia globally.



## Projected Number of People Age 65 and Older (Total and by Age Group) in the U.S. Population with Alzheimer's Dementia, 2010 to 2050

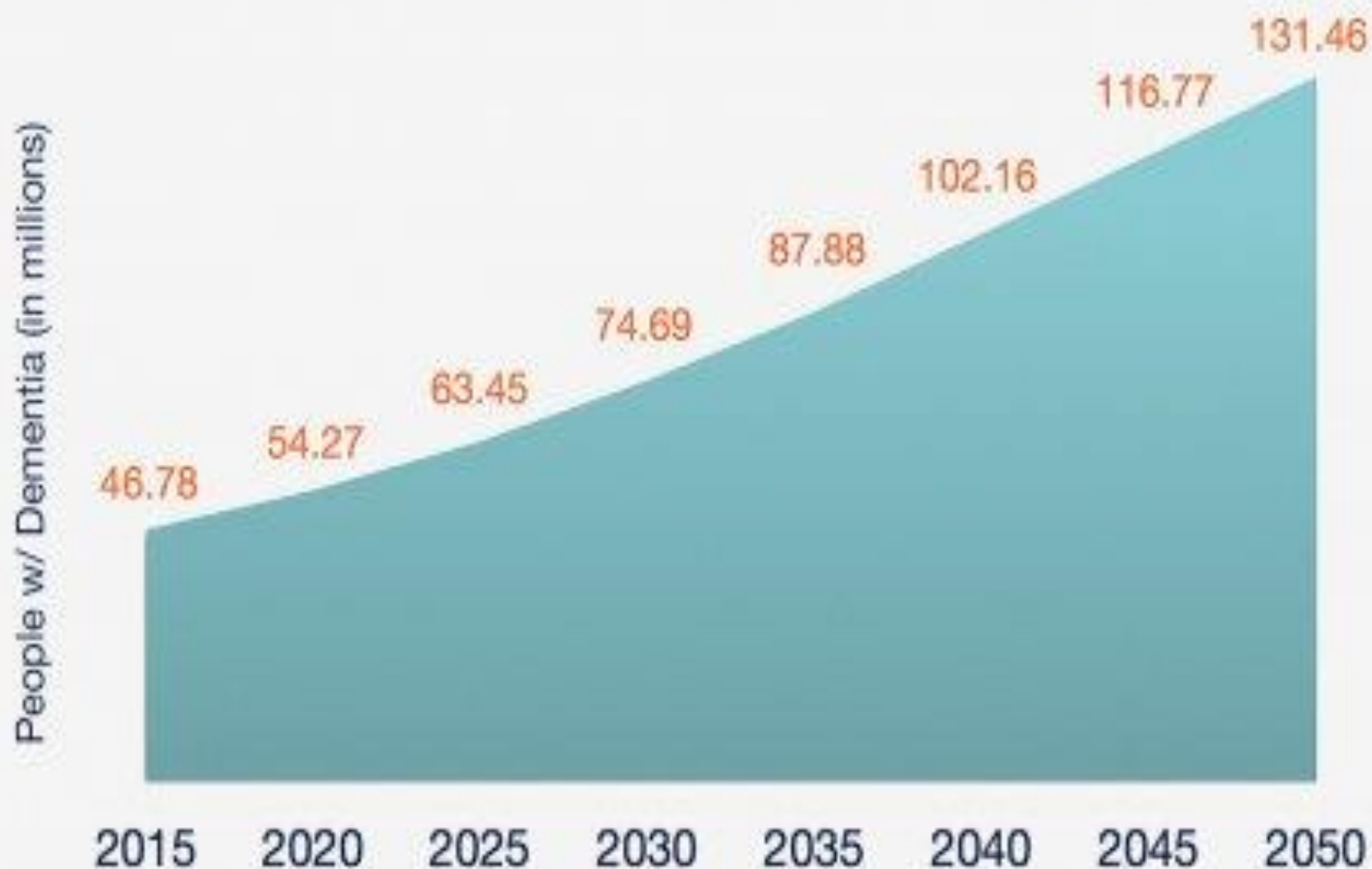
Millions of people  
with Alzheimer's

■ Ages 65-74    ■ Ages 75-84    ■ Ages 85+



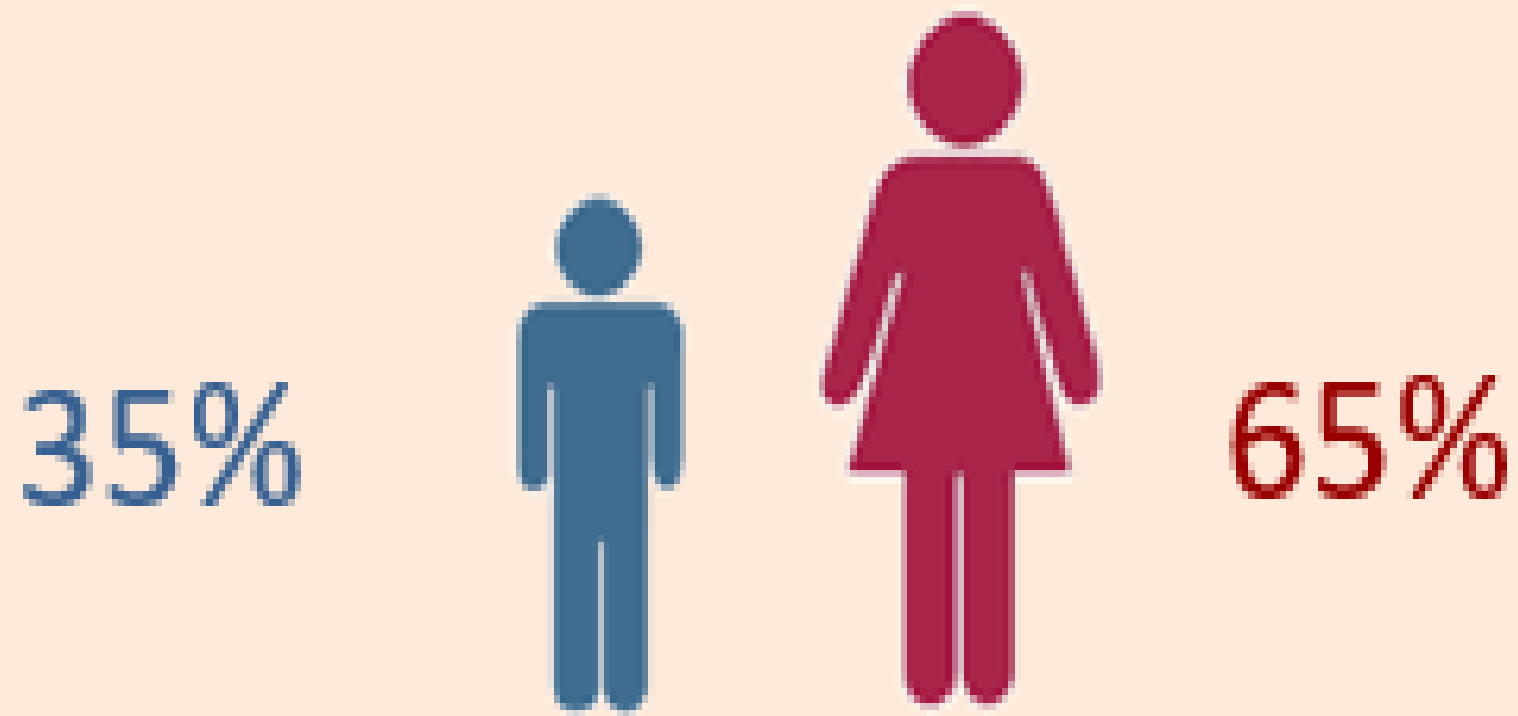
Created from data from Hebert et al.<sup>A12,31</sup>

# Global Dementia Rates on the Rise



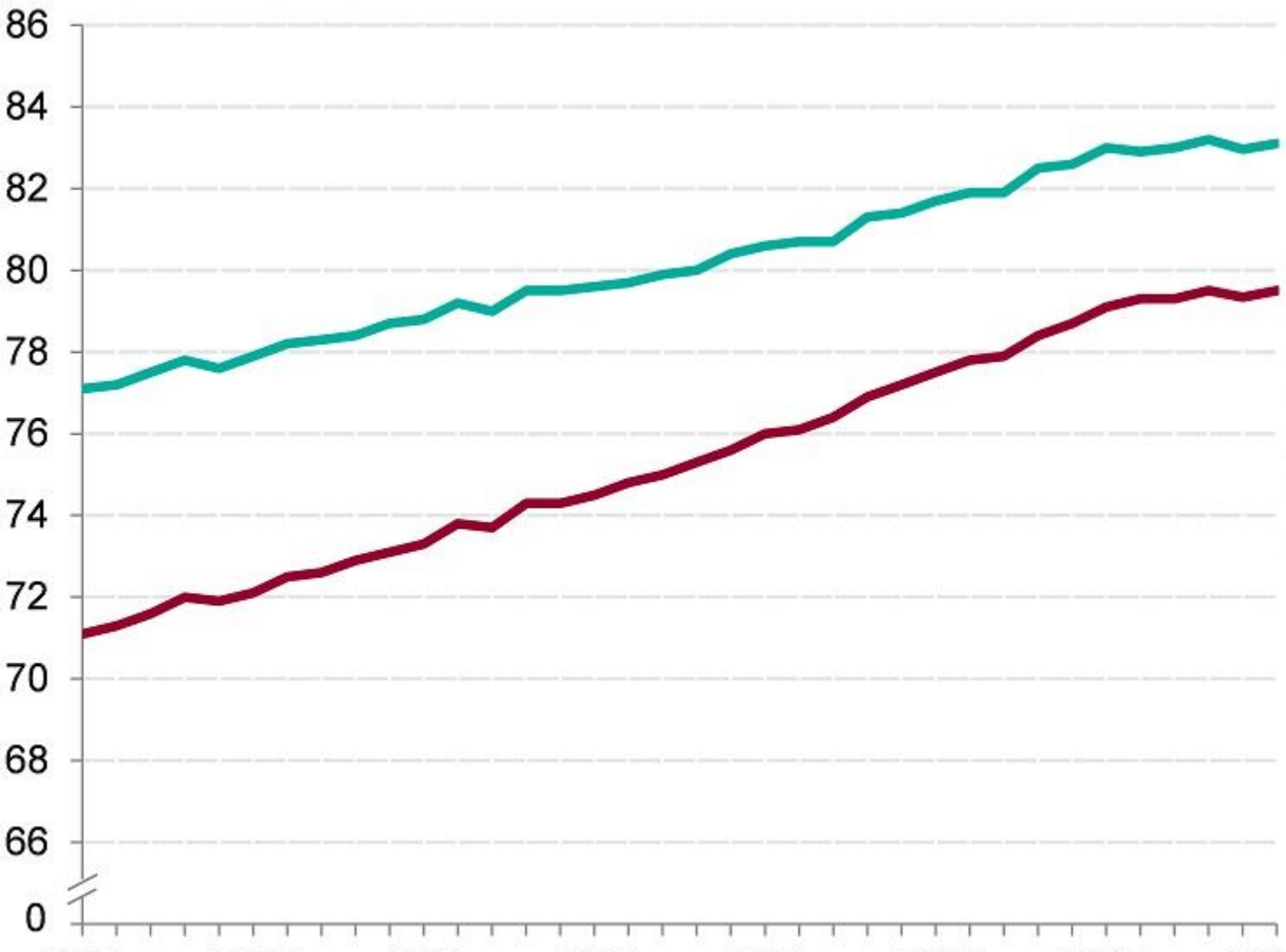
Source: World Alzheimer's Report

# AD patients worldwide



# Expectation of life at birth, UK

Life expectancy in years

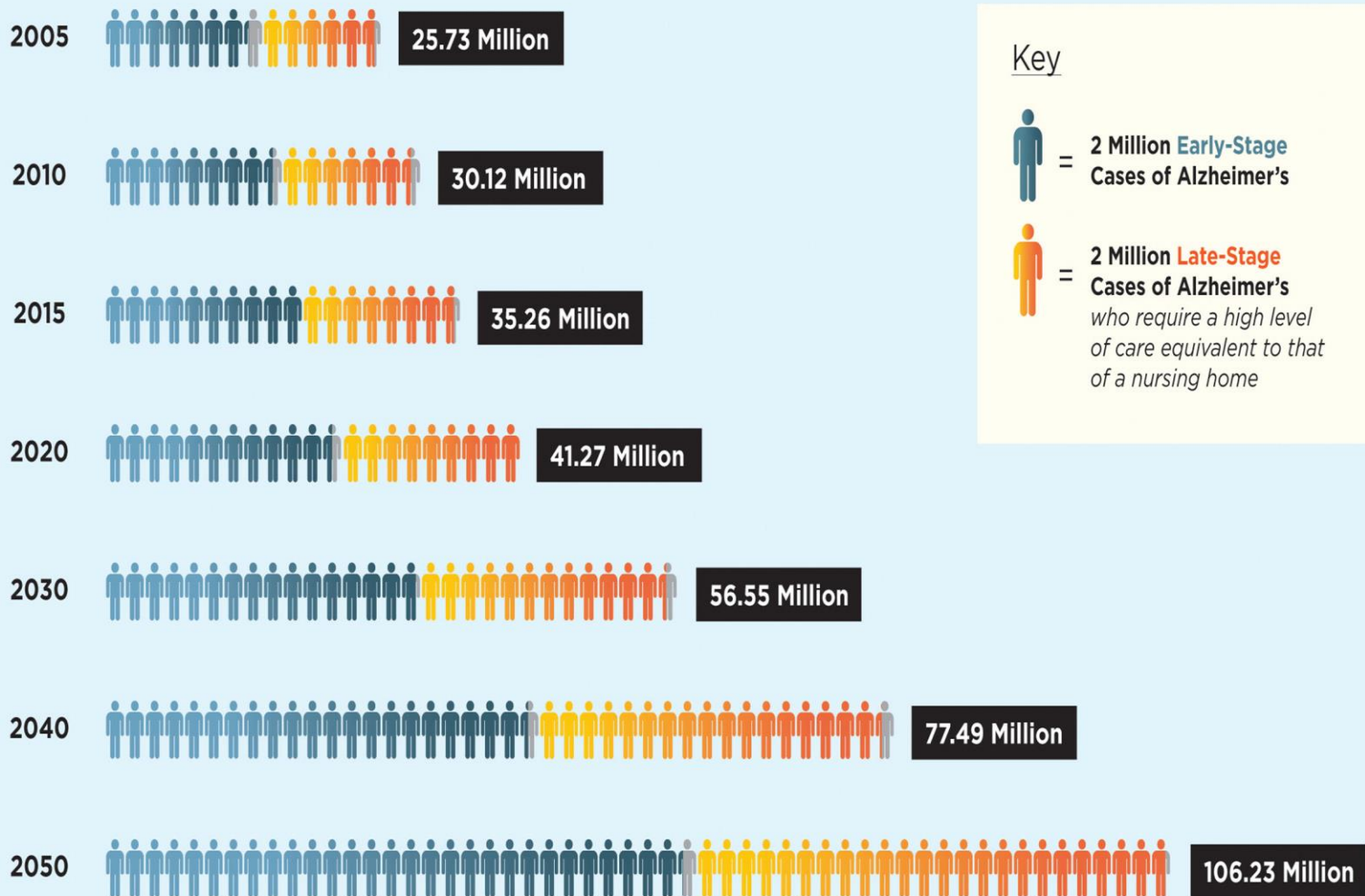


**female life expectancy is 3.6 years greater than for males in 2016**

**male life expectancy is increasing faster than female, closing the gap between the sexes**

# WORLDWIDE PROJECTIONS OF ALZHEIMER'S PREVALENCE

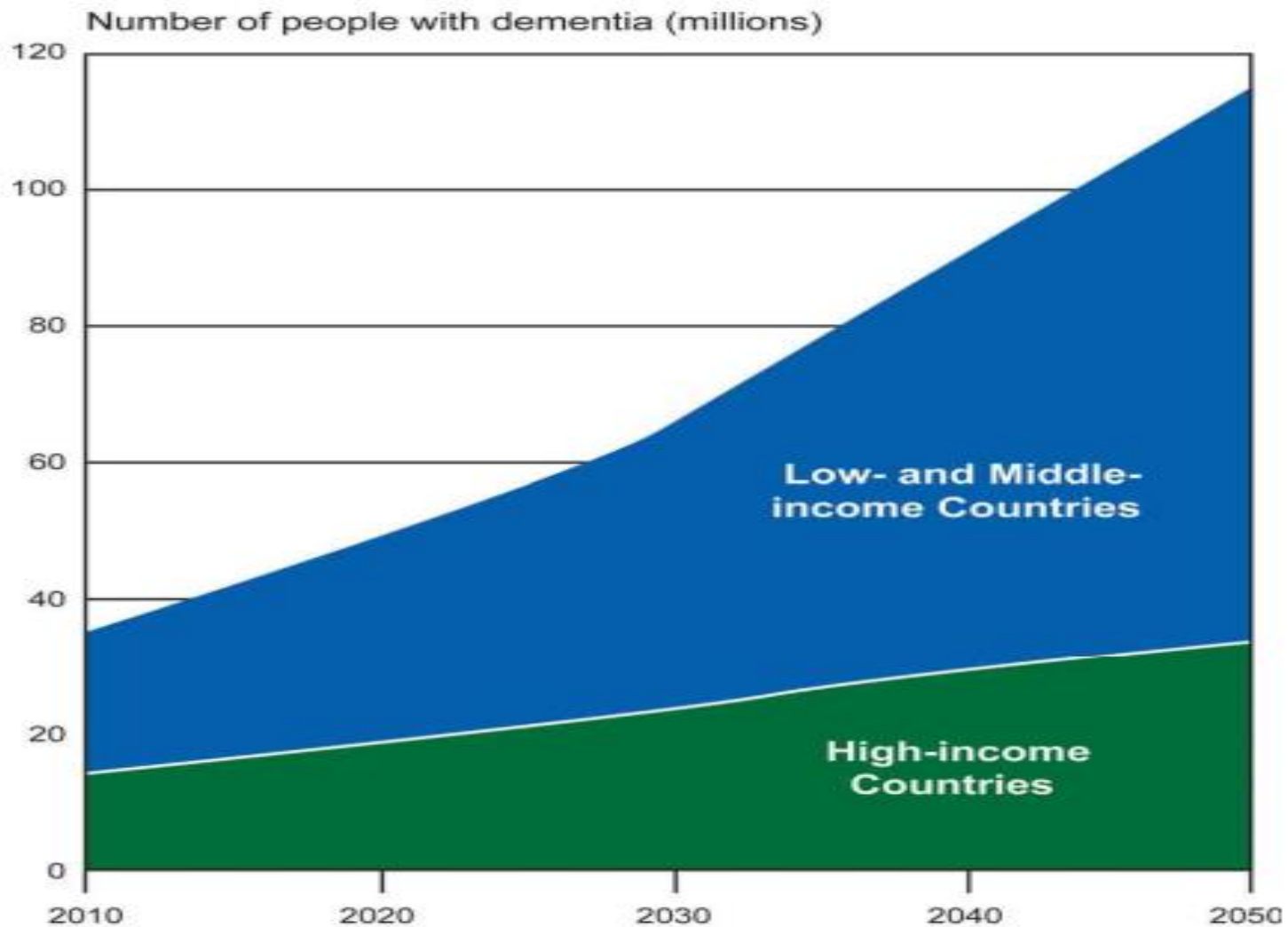
FOR THE YEARS 2005-2050, BY STAGE OF DISEASE (IN MILLIONS)



\*Adapted from "Forecasting the global burden of Alzheimer's disease," by Ron Brookmeyer, Elizabeth Johnson, Kathryn Ziegler-Graham, and H. Michael Arrighi, 2007, *Alzheimer's & Dementia*, volume 3, p. 189. Copyright 2007 by The Alzheimer's Association.

# Global Scenario of Dementia

**The Growth of Numbers of People with Dementia in High- income Countries and Low- and Middle-income Countries: 2010-2050**



Source: Alzheimer's Disease International, *World Alzheimer Report, 2010*. Available at: <http://www.alz.co.uk/research/files/WorldAlzheimerReport2010.pdf>.



THE AMERICAS  
**7.82**  
**14.78** in 2030

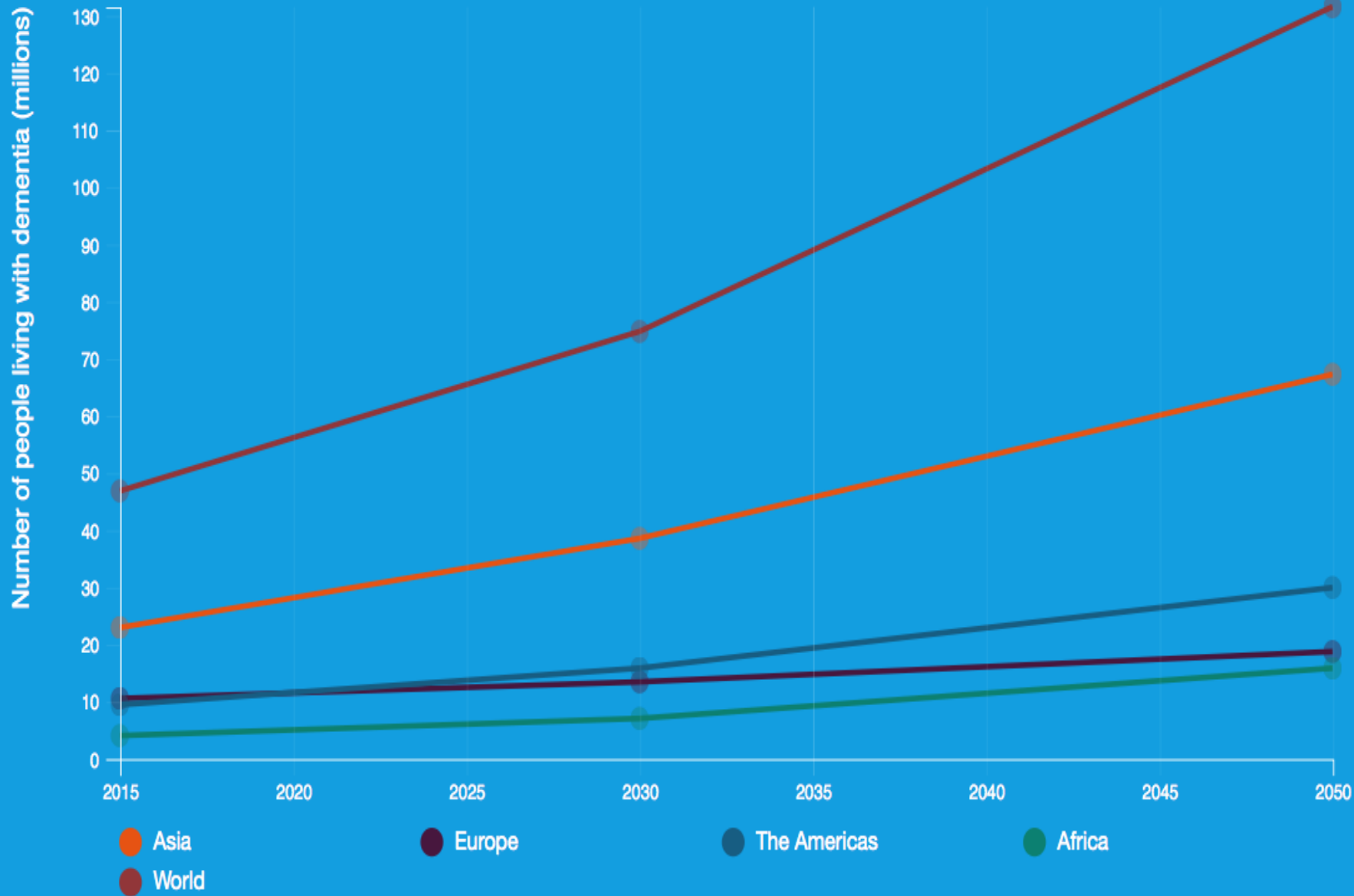
EUROPE  
**9.95**  
**13.95** in 2030

AFRICA  
**1.86**  
**8.74** in 2030

ASIA  
**15.94**  
**33.04** in 2030

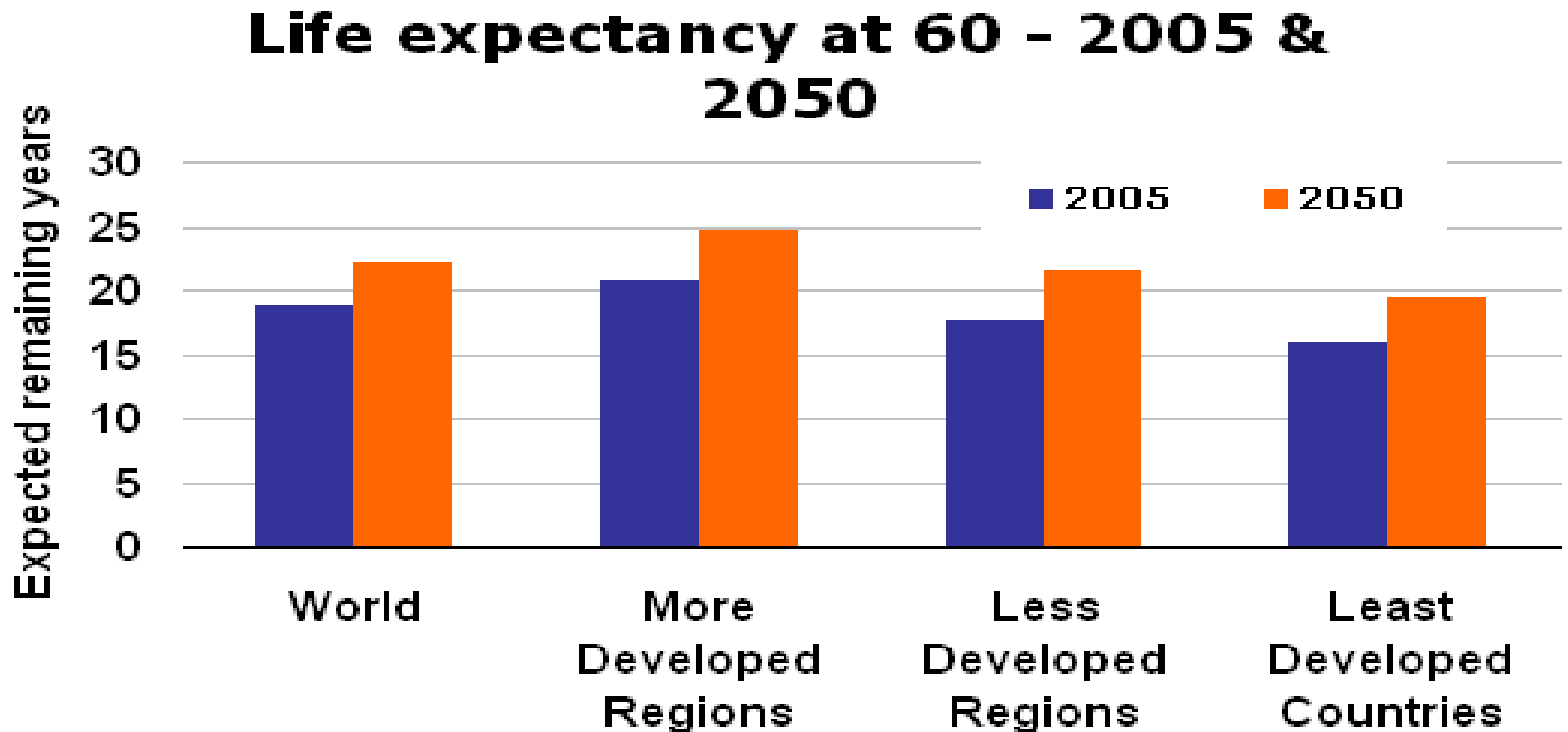
35.5 million people worldwide have dementia

Source - "Dementia: a public health priority" report, World Health Organization and Alzheimer's Disease International





# Longer lives everywhere...



World population prospects. The 2004 revision population database  
UN department of economic and social affairs.

**Life expectancy, healthy life expectancy, number of years in poor health and proportion of life spent in poor health; Males and females at birth and age 65, England 2013 to 2015**

	<b>At birth</b>	<b>At birth</b>	<b>At age 65</b>	<b>At age 65</b>
	Males	Females	Males	Females
Life expectancy	79.5	83.1	18.7	21.1
Healthy life expectancy	63.4	64.1	10.5	11.2
Number of years in poor health	16.1	19.0	8.2	9.9
% of life in poor health	20.3	22.9	43.9	46.9

# Conclusion

- Prevalence of dementia is associated with age, gender and geographical region.
- Policy planning is needed now in order to provide appropriate care to people with dementia.

# Questions:

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