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The demography of dementia across the world

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The demography of dementia across the world

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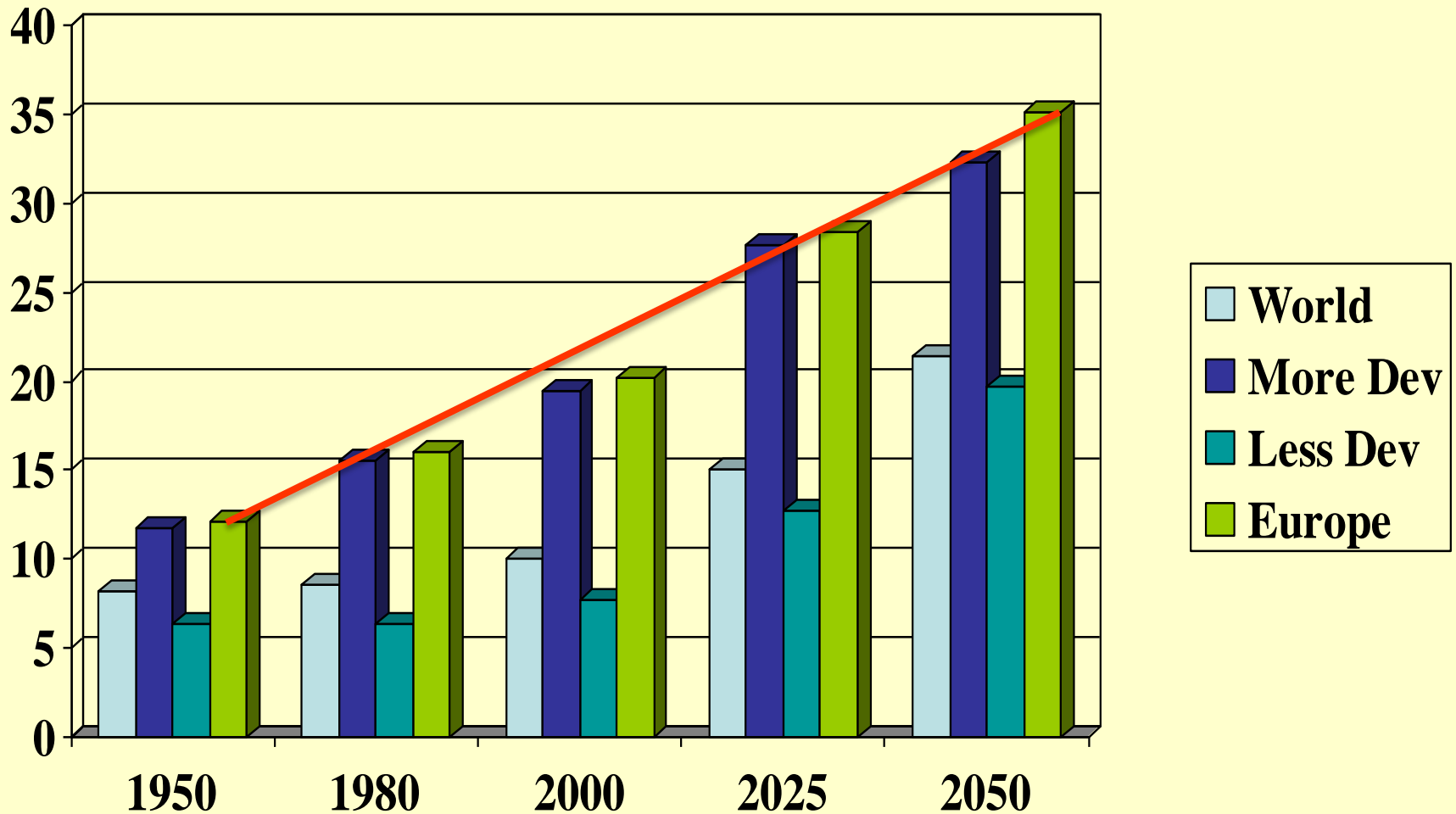
**Oxford Institute of Population Ageing
University of Oxford**

6 January 2018

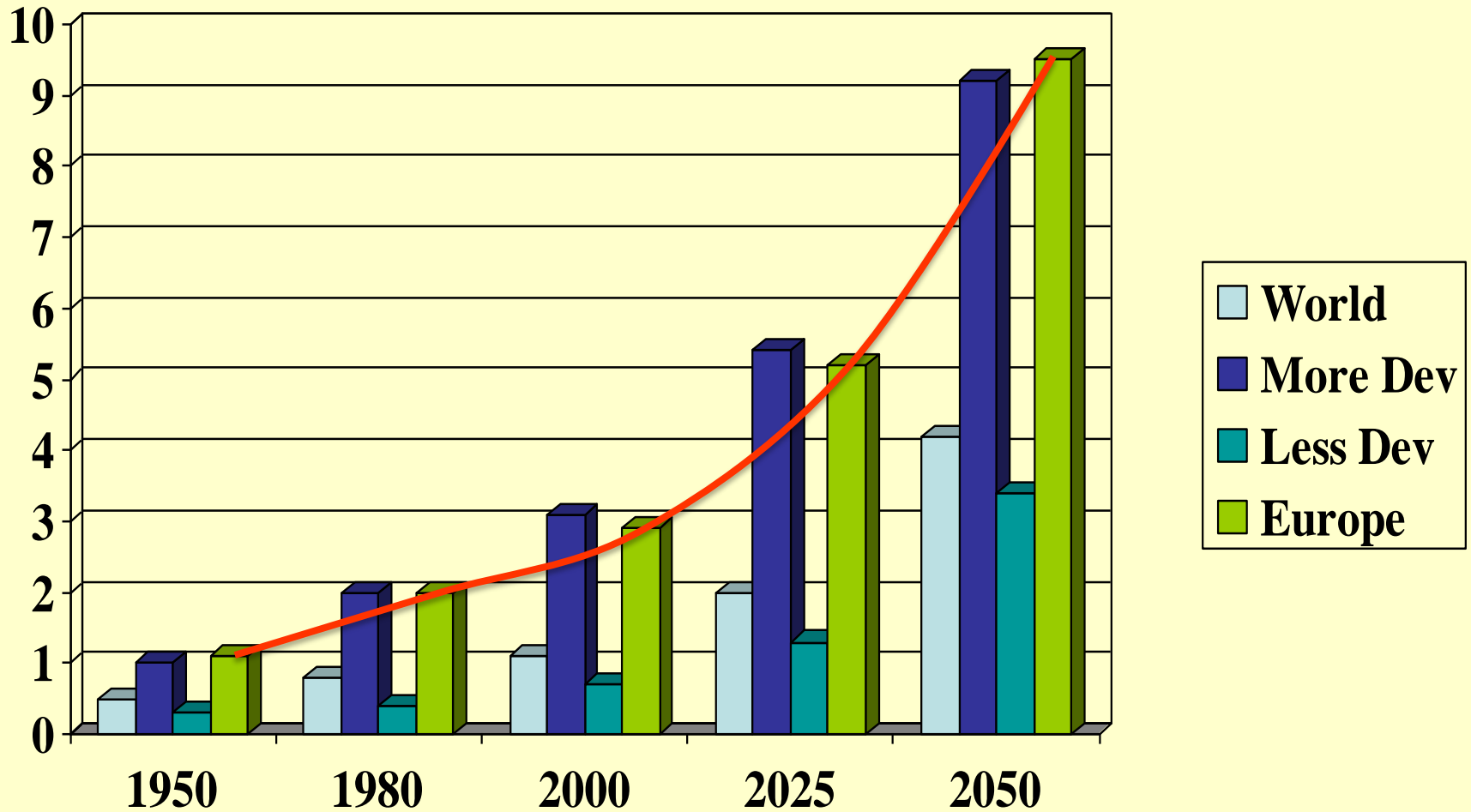
Population Ageing

- **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.**

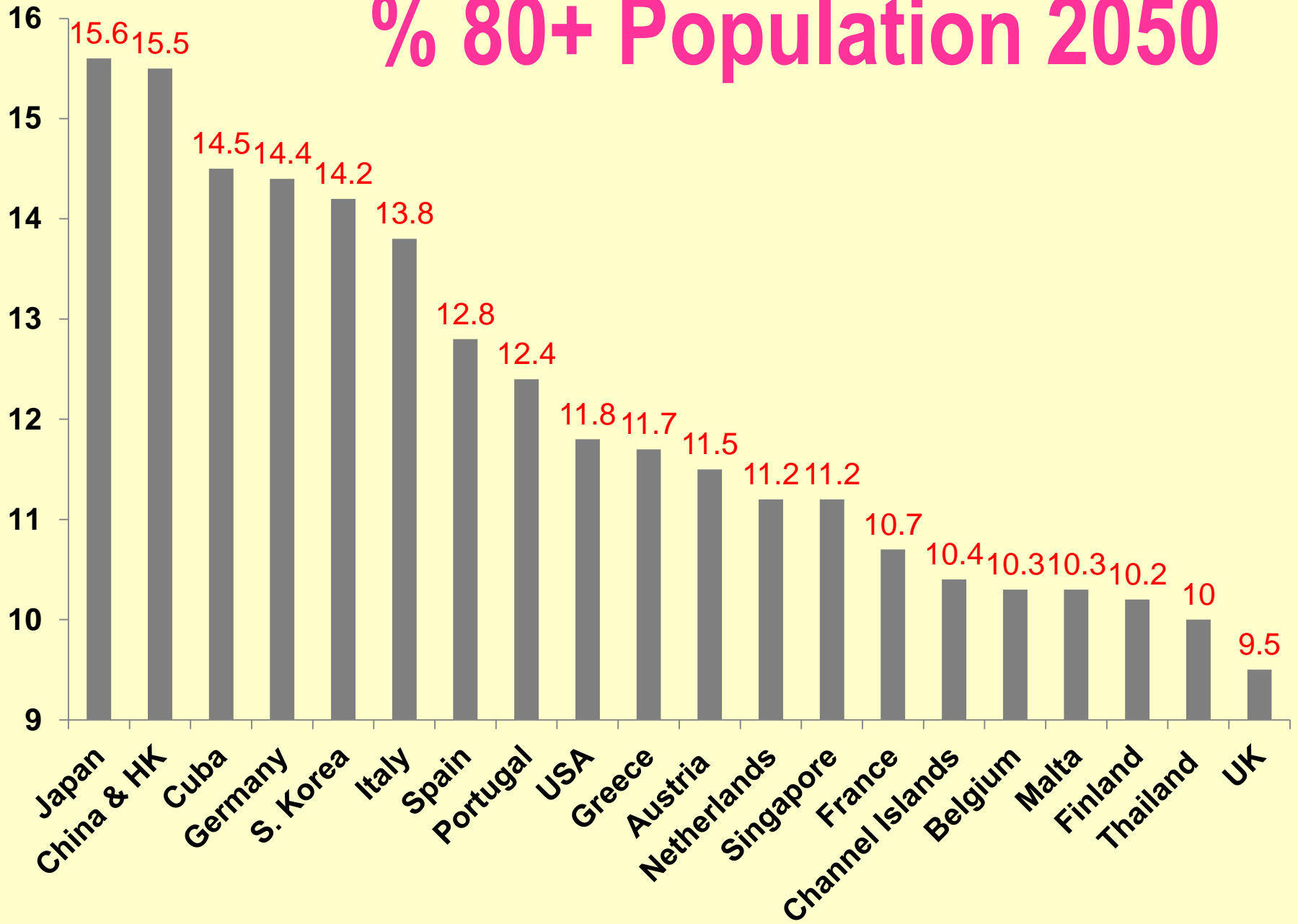
1950-2050 Population 60+ %



1950-2050 Population 80+ %



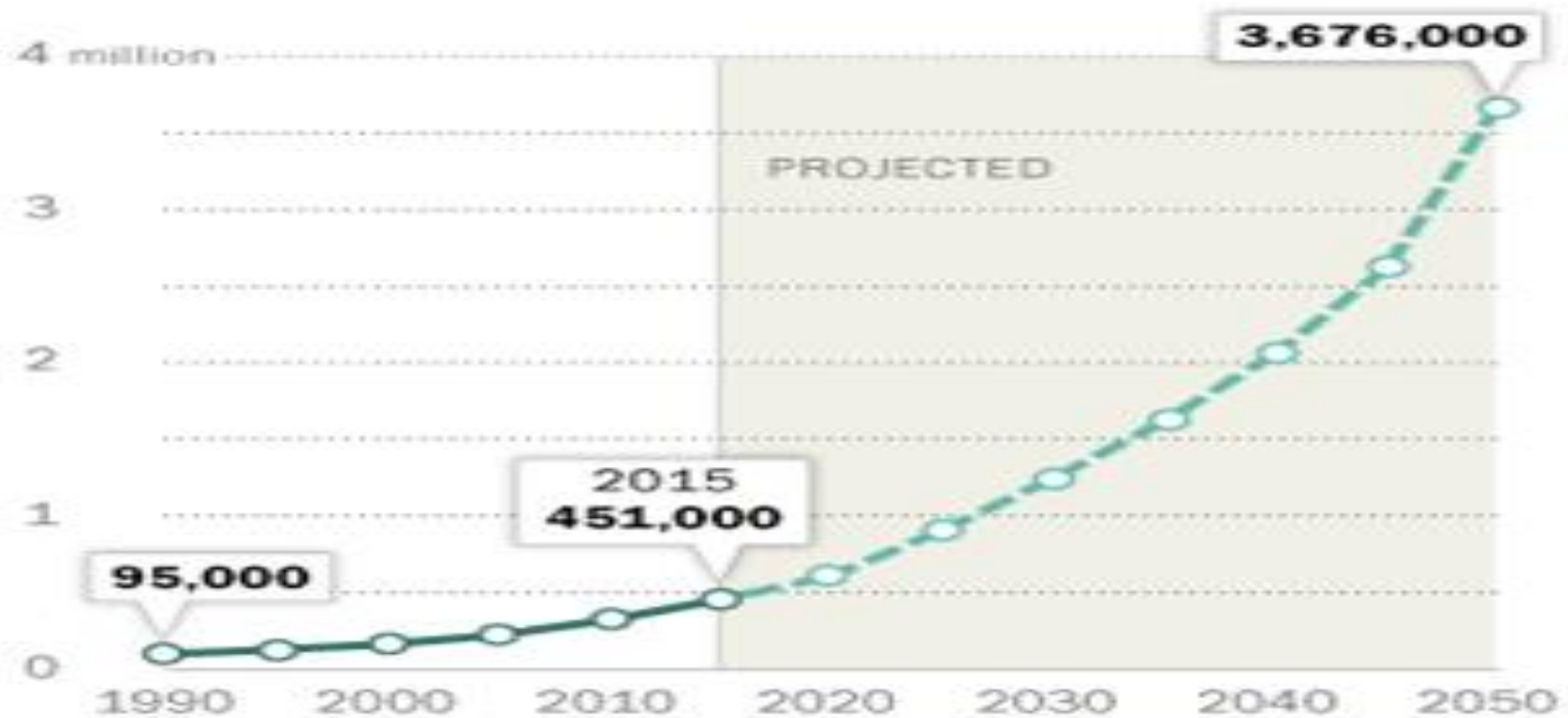
% 80+ Population 2050



Centenarians

The world's centenarian population projected to grow rapidly

Number of persons ages 100 and older



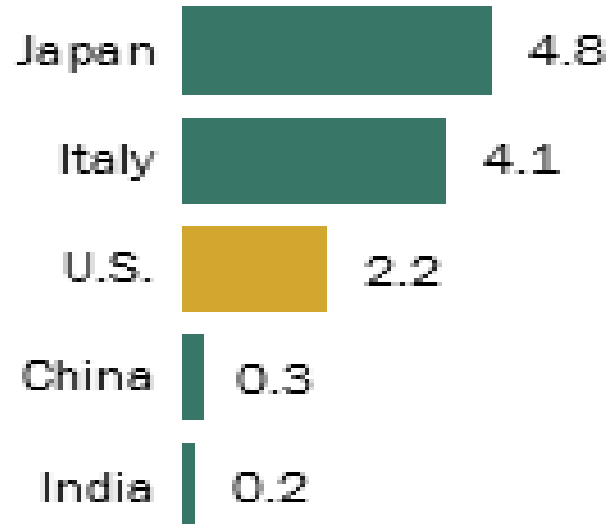
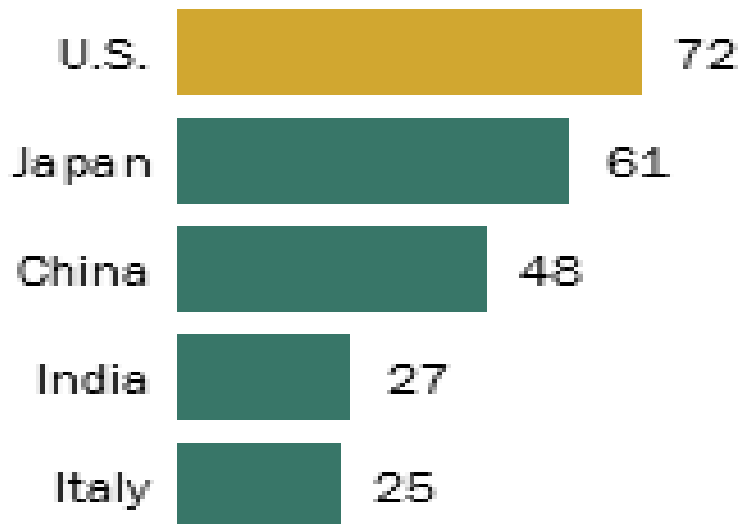
Source: United Nations, Department of Economic and Social Affairs, "World Population Prospects: 2015 Revision"

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"

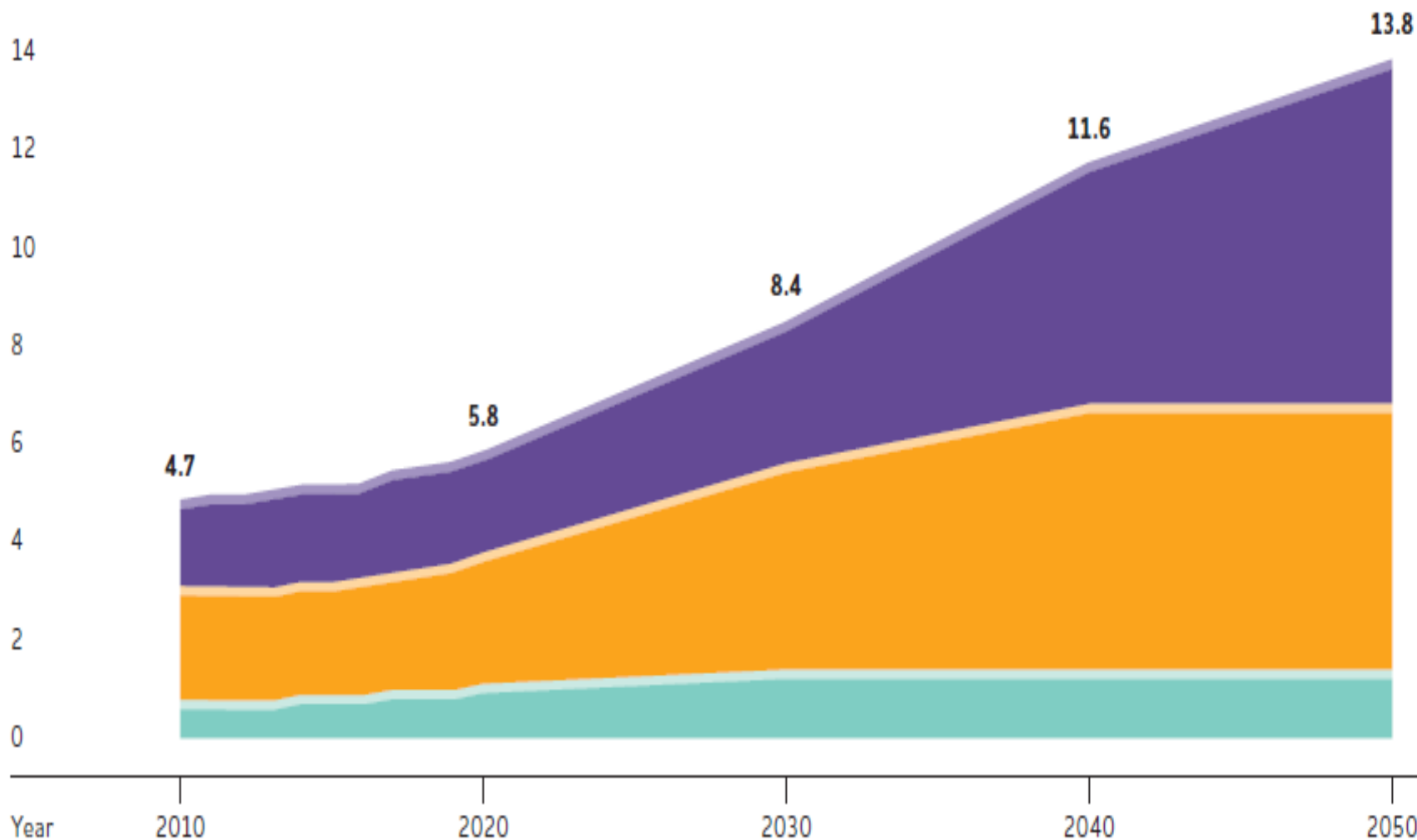
5.2%

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

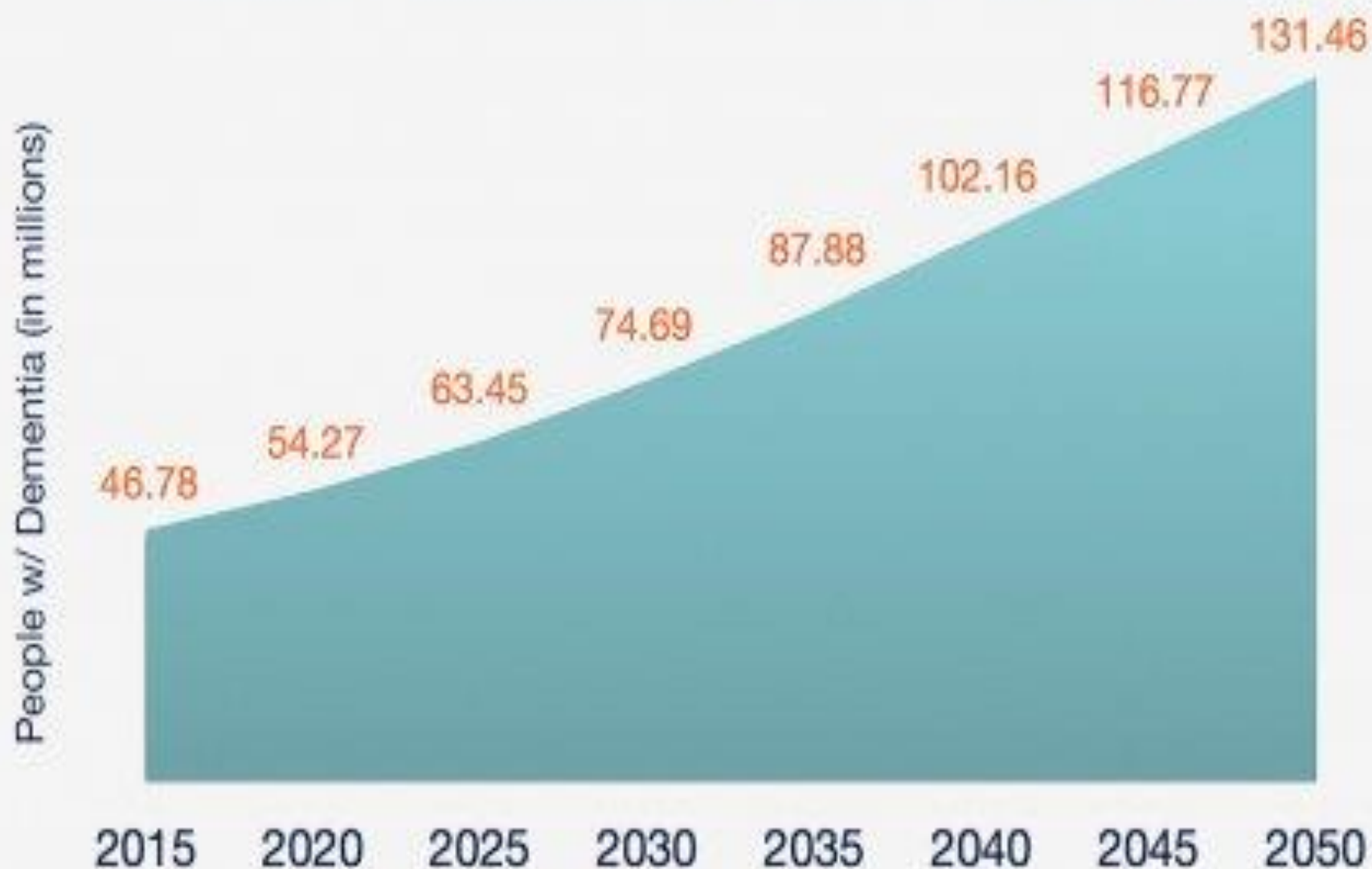
Millions of people
with Alzheimer's

■ Ages 65-74 ■ Ages 75-84 ■ Ages 85+



Created from data from Hebert et al.^{A12,31}

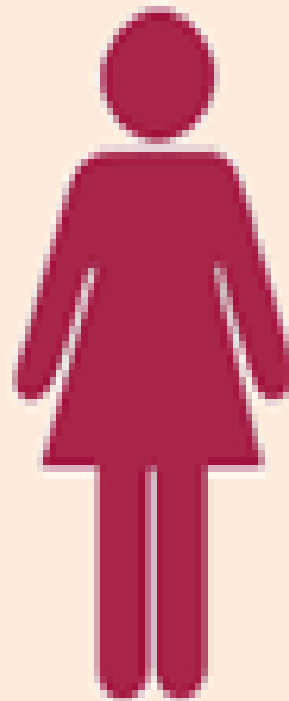
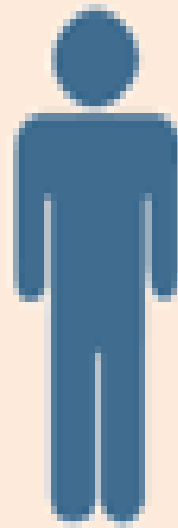
Global Dementia Rates on the Rise



Source: World Alzheimer's Report

AD patients worldwide

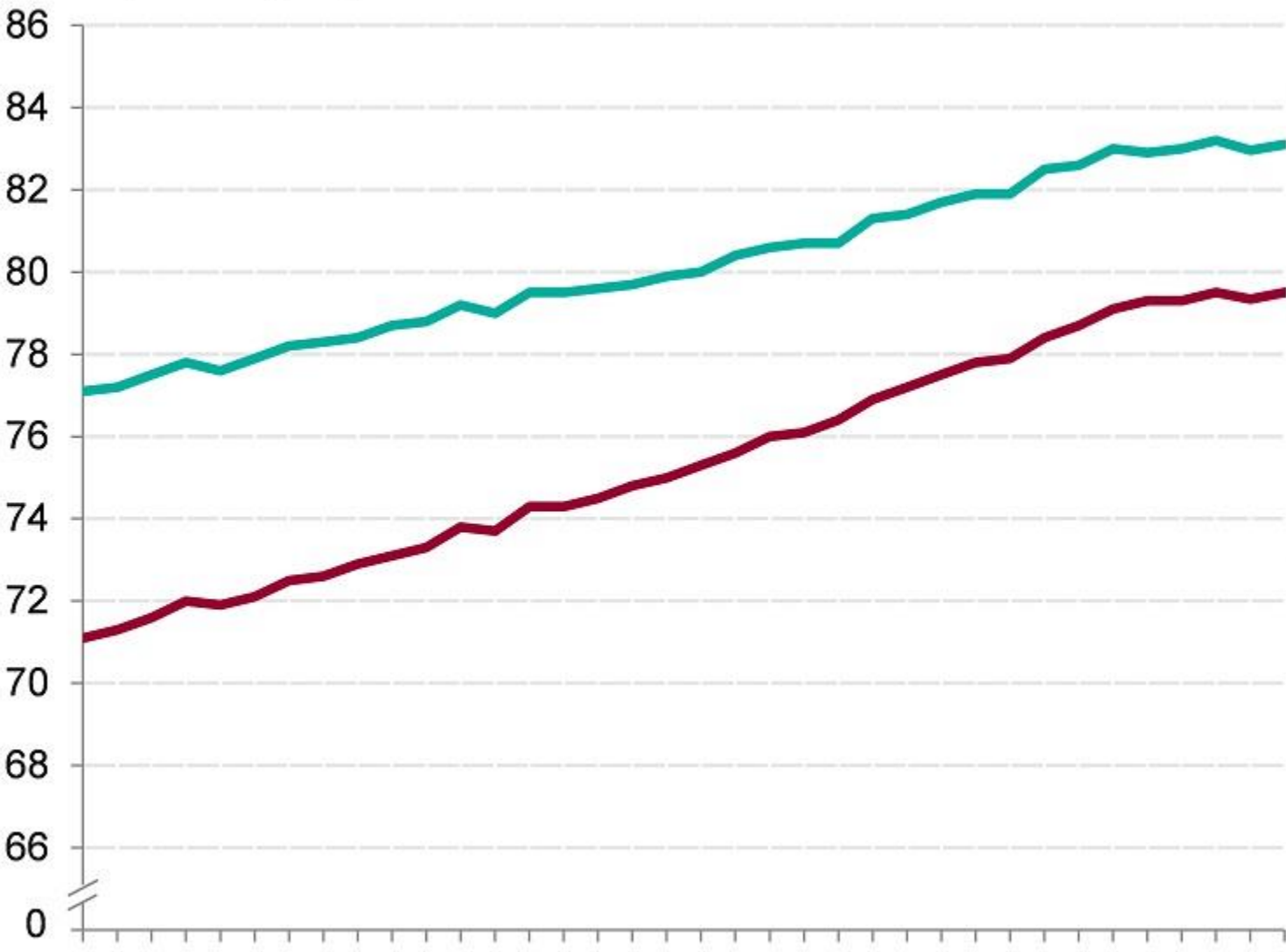
35%



65%

Expectation of life at birth, UK

Life expectancy in years

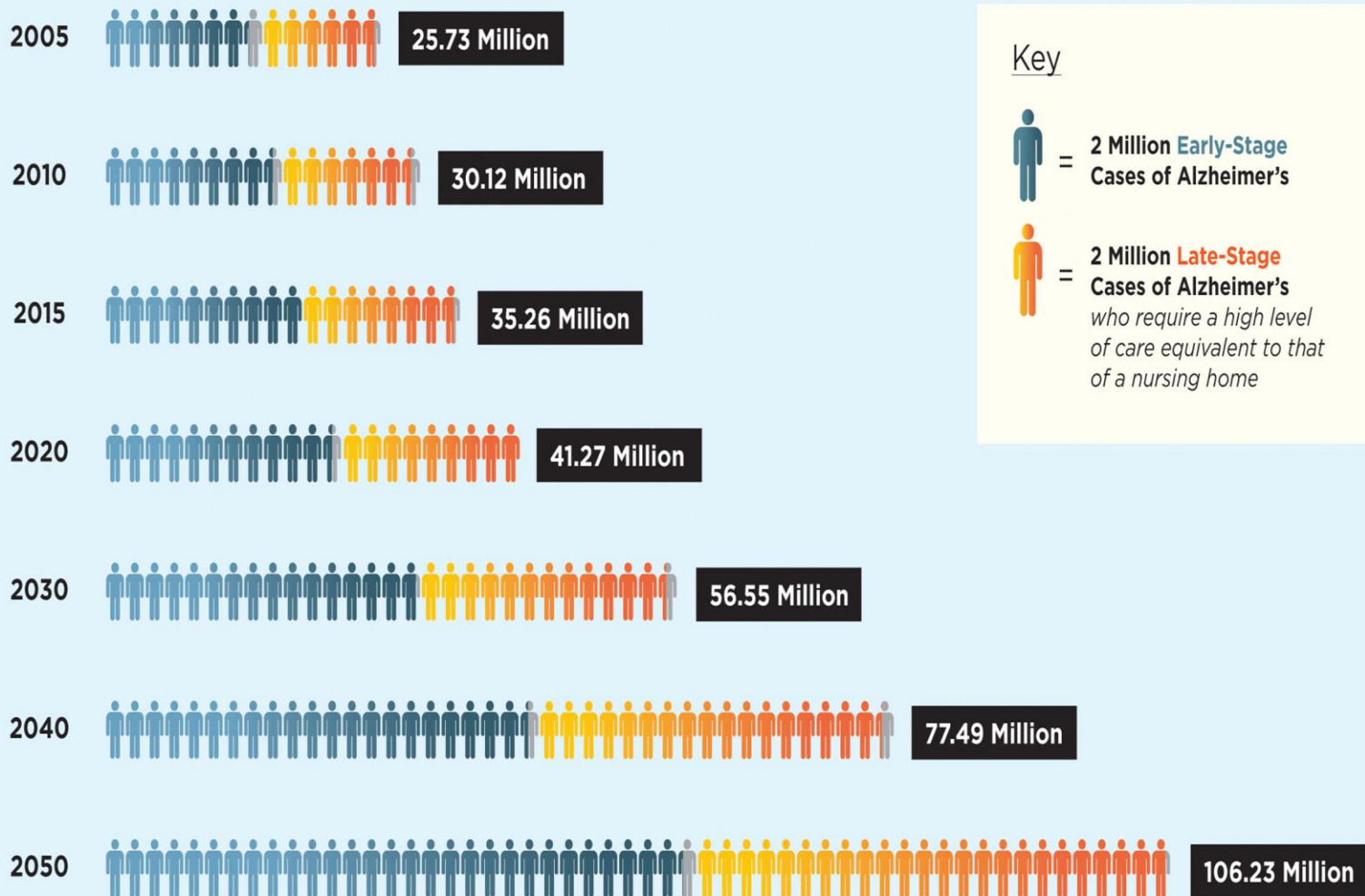


female life expectancy is 3.6 years greater than for males in 2016

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

WORLDWIDE PROJECTIONS OF ALZHEIMER'S PREVALENCE

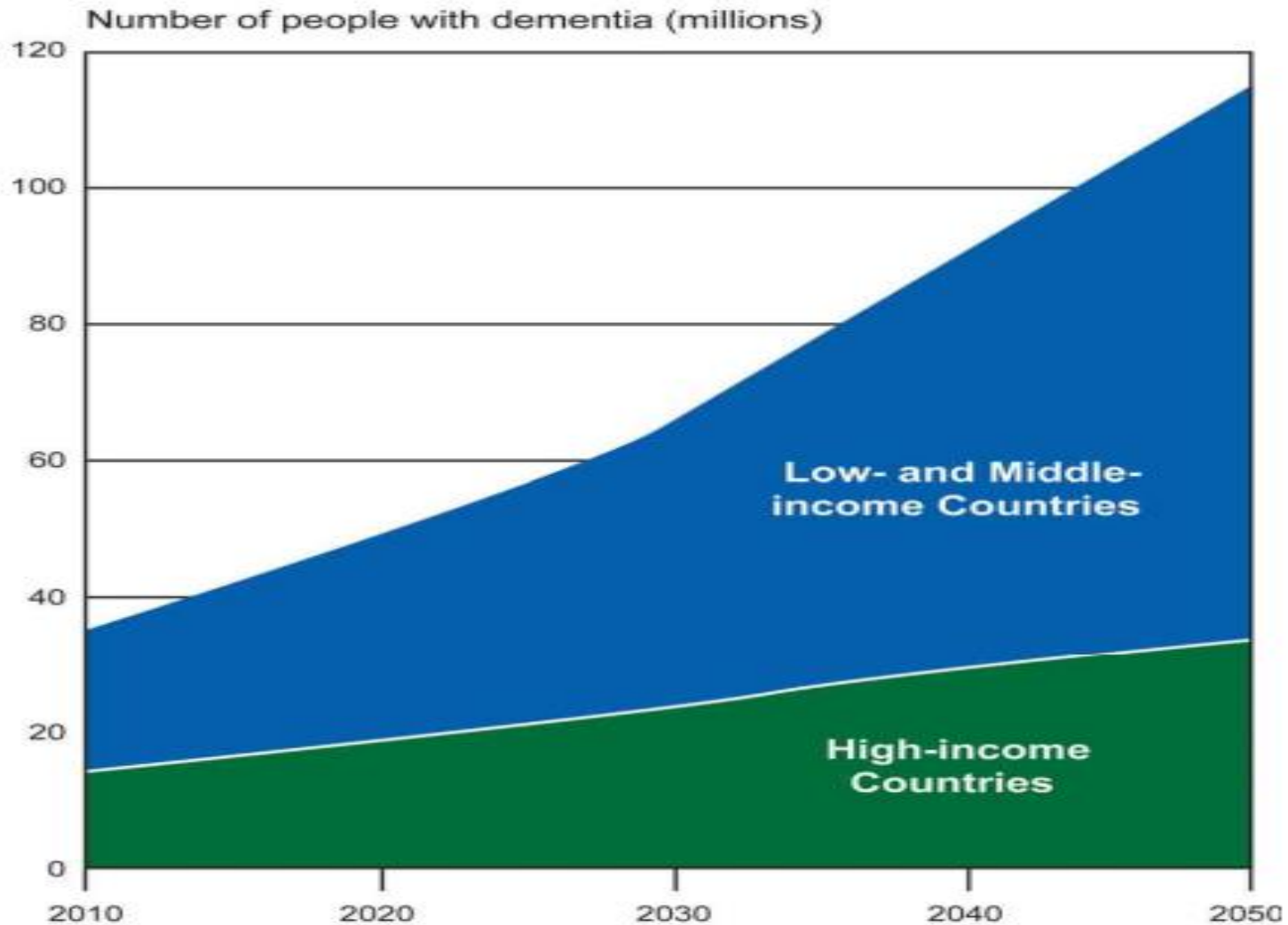
FOR THE YEARS 2005-2050, BY STAGE OF DISEASE (IN MILLIONS)



**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

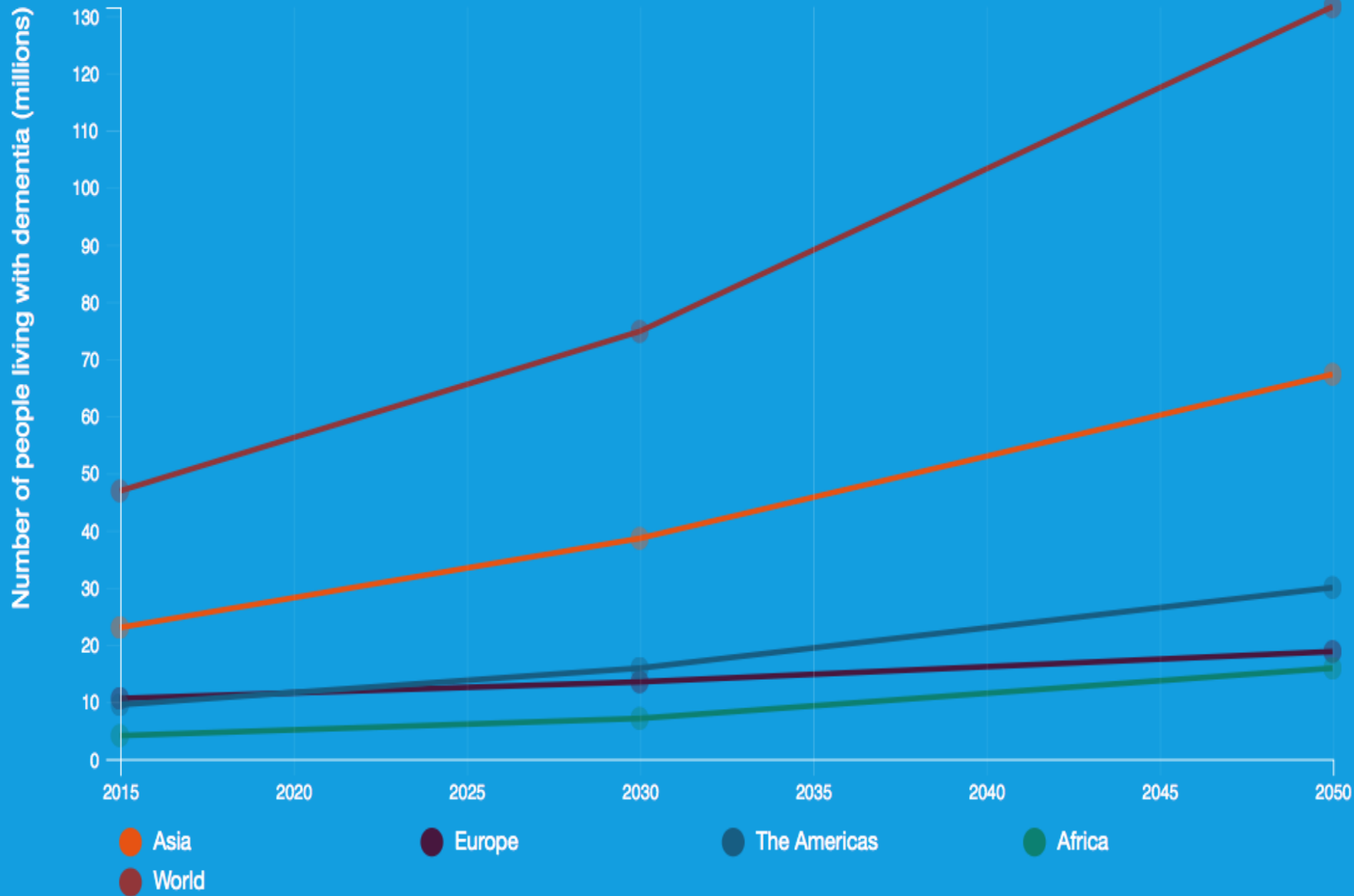
EUROPE
9.95
13.95 in 2030

AFRICA
1.86
8.74 in 2030

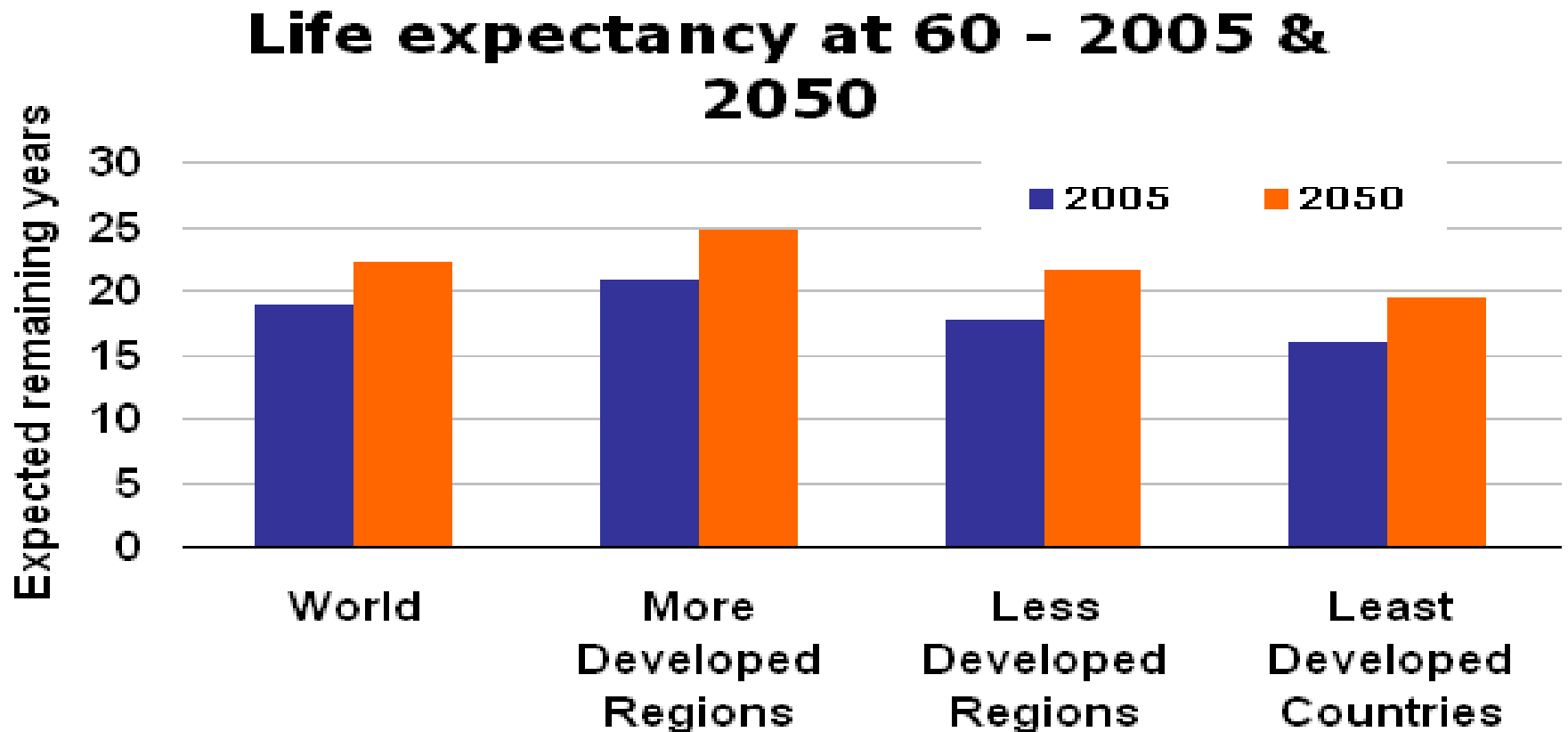
ASIA
15.94
33.04 in 2030

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

	At birth	At birth	At age 65	At age 65
	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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