

A fact-based view on Global Health & Infectious Diseases

Helena Nordenstedt

Public Educator

Gapminder Foundation

GAPMINDER®

**fighting devastating ignorance
with a fact-based worldview
that everyone can understand**

Nothing to disclose

What do you know about the world?

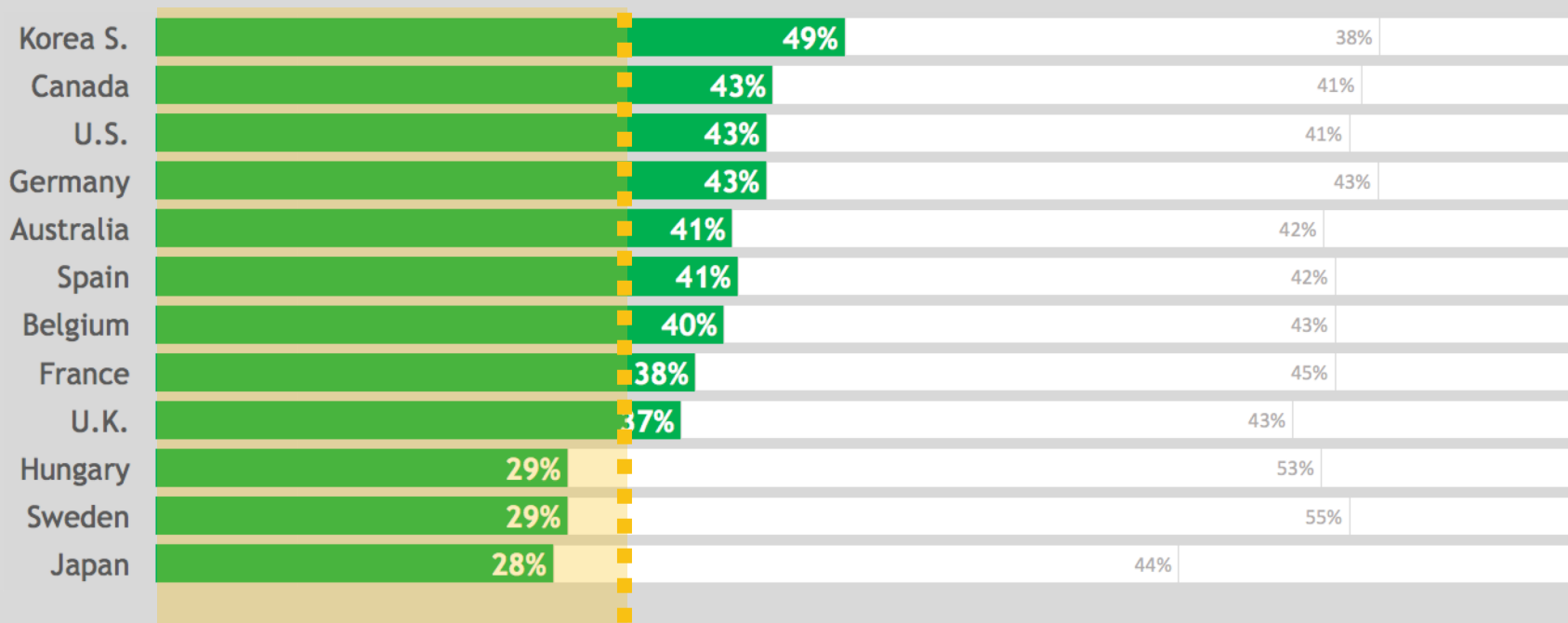
- **Open kahoot.com**
- **Press the pin code: 2966522**
- **Choose a nickname**

What is the **life expectancy** of the world population?



72 years

62 52



How many of the world's 1-year-old children today have been **vaccinated** against some disease?

 **80%**

 50%  20%

Sweden



U.S.



Korea S.



U.K.



Canada



Australia



Belgium



Hungary



Spain



France



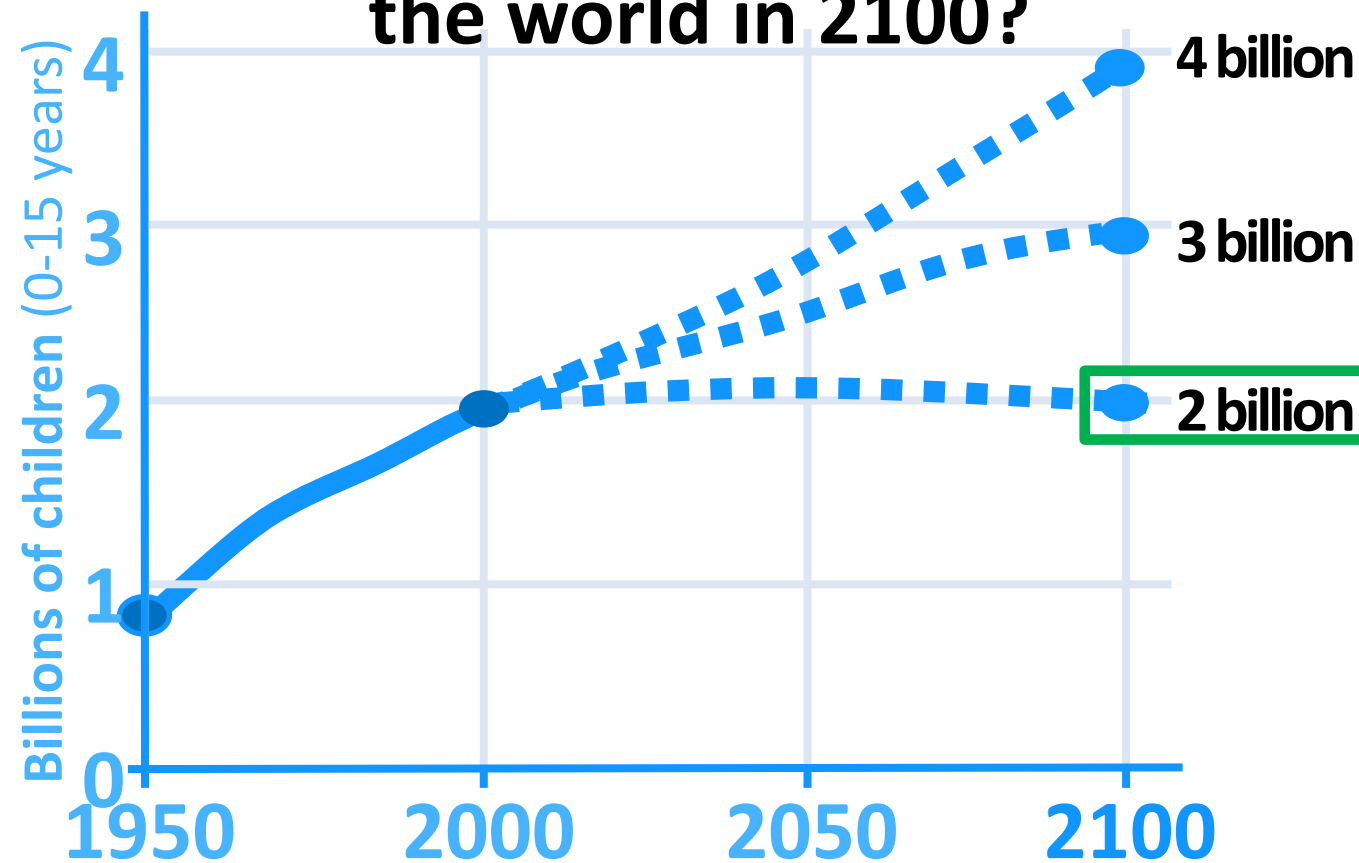
Germany



Japan



How many children will there be in the world in 2100?



Source: UN's Population division



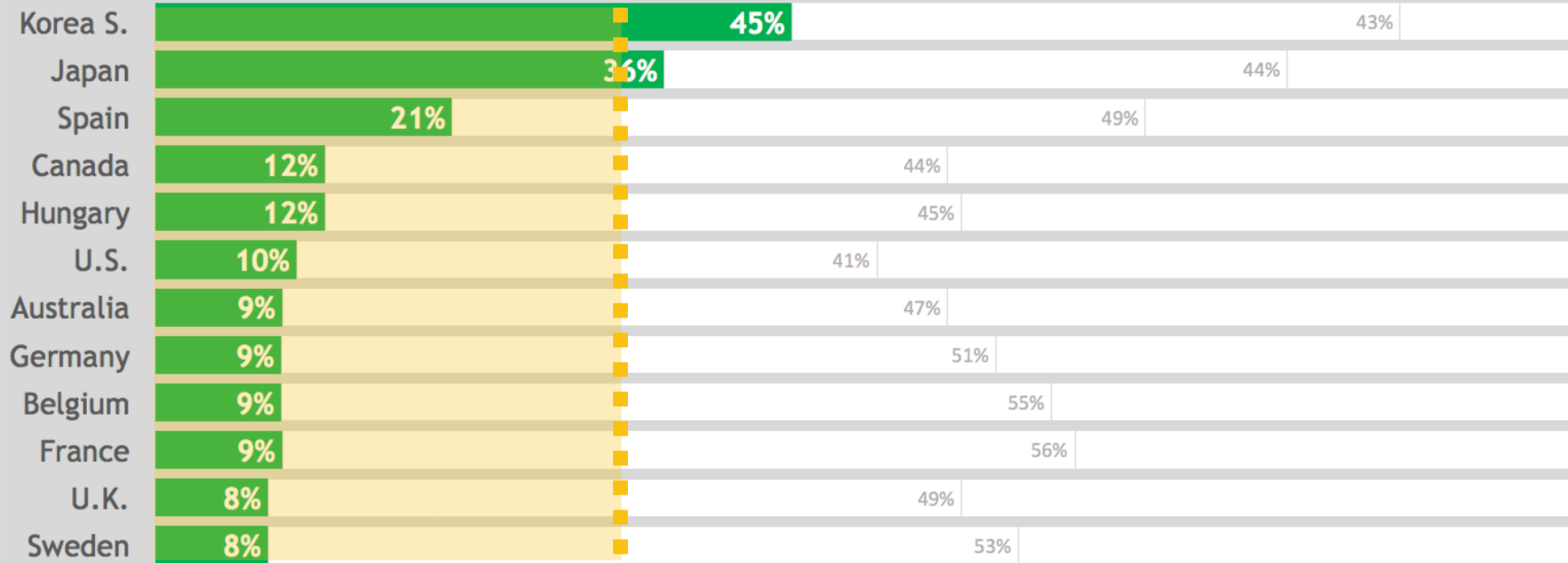
There are two billion children in the world today, aged 0 to 15 years old.

How many children will there be in 2100 according to the U.N.?



2 billion

3 billion 4 billion



Millennium Development Goals (MDGs) 1990-2015

1



Eradicate extreme poverty and hunger

2



Achieve universal primary education

3



Promote gender equality and empower women

4



Reduce child mortality

5



Improve maternal health

6



Combat HIV/Aids, malaria and other diseases

7



Ensure environmental sustainability

8



Develop a global partnership for development

Sustainable Development Goals (SDGs) 2015-2030



1 NO POVERTY

Icon representing a family of five people.

2 ZERO HUNGER

Icon representing a bowl of food with steam rising from it.

3 GOOD HEALTH AND WELL-BEING

Icon representing a heart and a pulse line.

4 QUALITY EDUCATION

Icon representing an open book and a pencil.

5 GENDER EQUALITY

Icon representing a female symbol with an equals sign.

6 CLEAN WATER AND SANITATION

Icon representing a water tap with a drop of water.

7 AFFORDABLE AND CLEAN ENERGY

Icon representing a sun with a power button symbol.

8 DECENT WORK AND ECONOMIC GROWTH

Icon representing a bar chart with an upward arrow.

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

Icon representing three stacked blocks.

10 REDUCED INEQUALITIES

Icon representing an equals sign inside a circle.

11 SUSTAINABLE CITIES AND COMMUNITIES

Icon representing a cluster of buildings.

12 RESPONSIBLE CONSUMPTION AND PRODUCTION

Icon representing an infinity symbol with a circular arrow.

13 CLIMATE ACTION

Icon representing an eye with the Earth as the pupil.

14 LIFE BELOW WATER

Icon representing waves and a fish.

15 LIFE ON LAND

Icon representing a tree and birds.

16 PEACE, JUSTICE AND STRONG INSTITUTIONS

Icon representing a dove and a gavel.

17 PARTNERSHIPS FOR THE GOALS

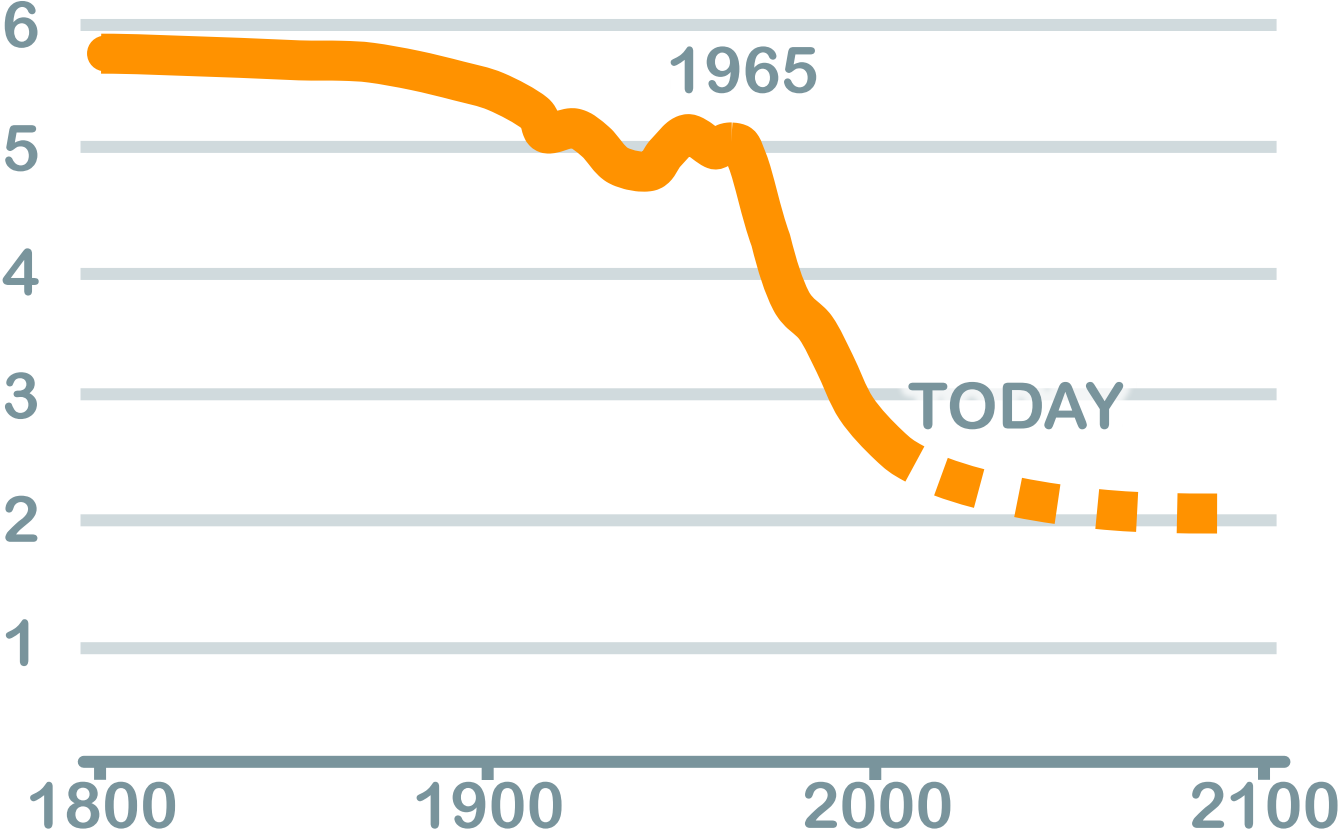
Icon representing four interlocking circles.

The logo for the Sustainable Development Goals (SDGs) features the United Nations emblem at the top, followed by the text "SUSTAINABLE DEVELOPMENT" in blue, and "GOALS" in a larger blue font where the letter "O" is a colorful wheel with 17 segments.

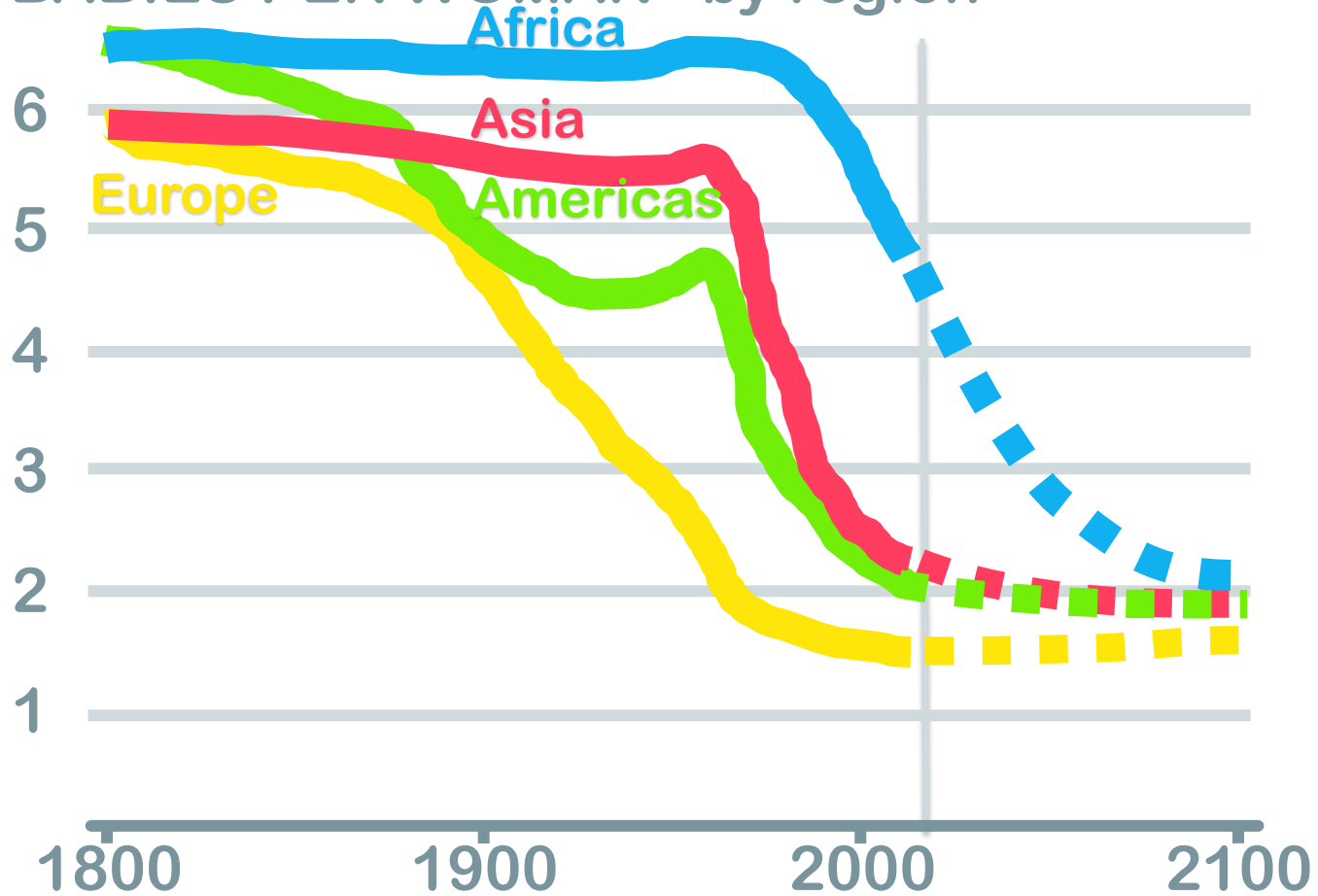


The biggest
change
in our time!

BABIES PER WOMAN in the World

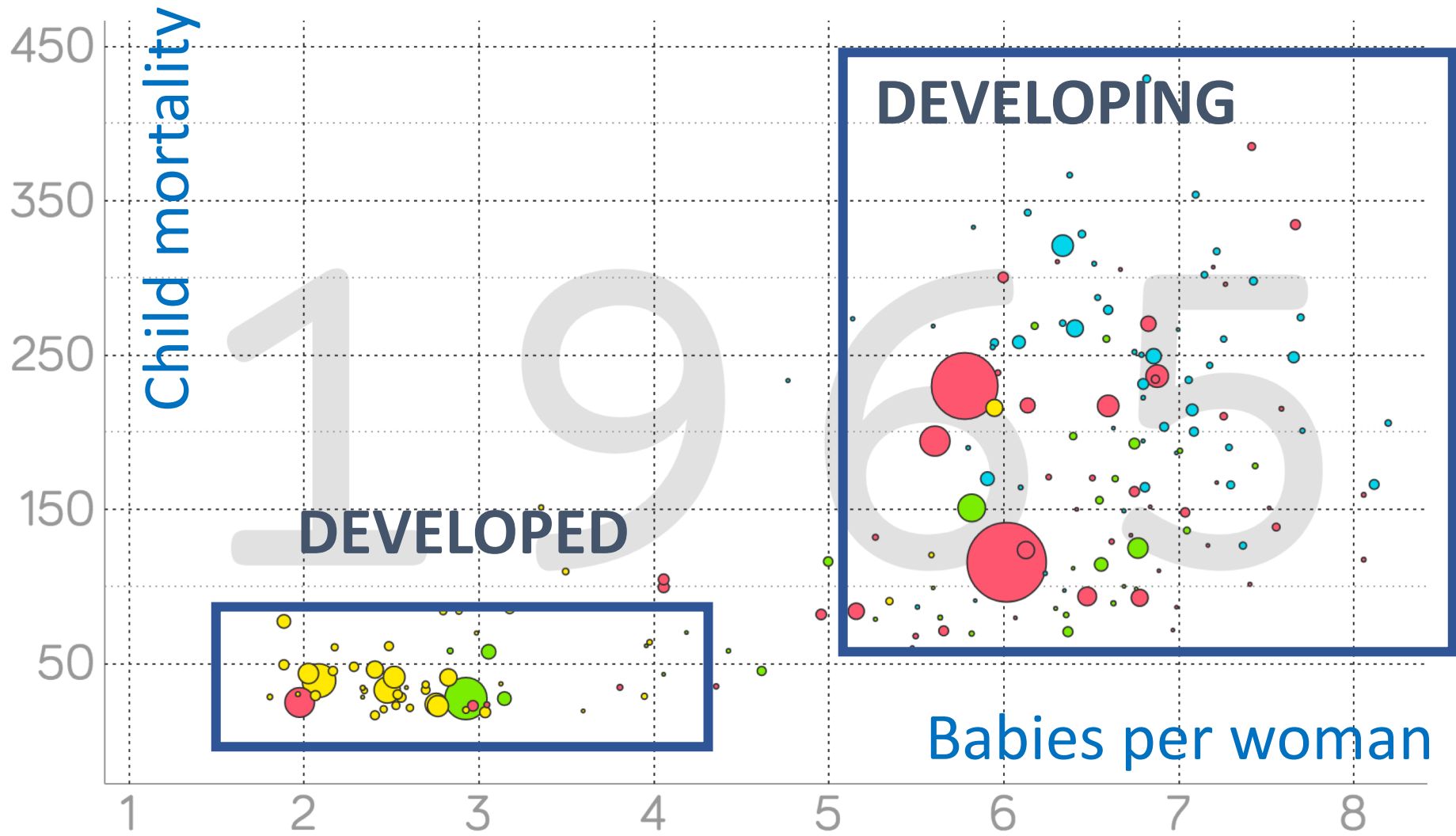


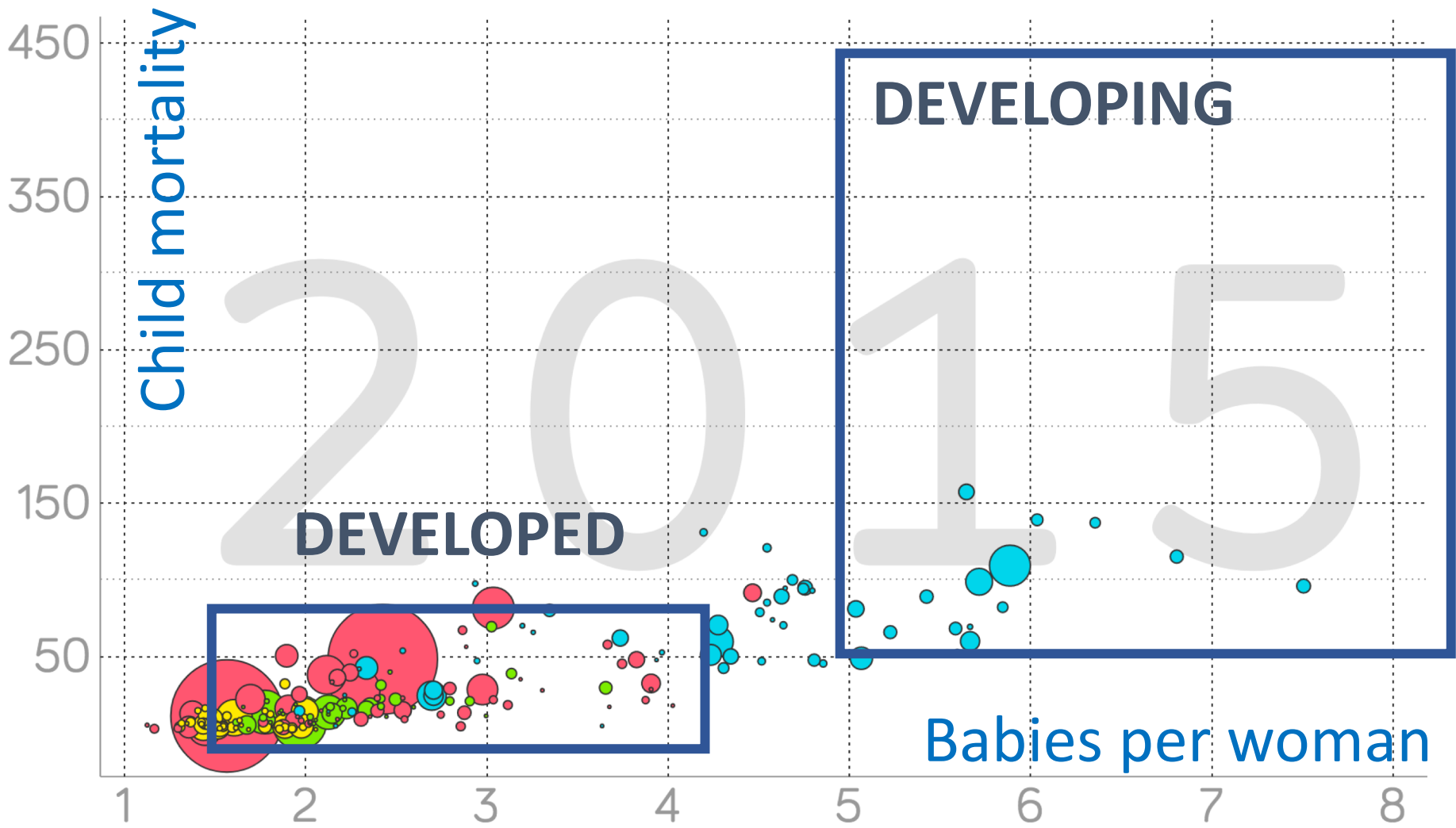
BABIES PER WOMAN by region



Country

groups:

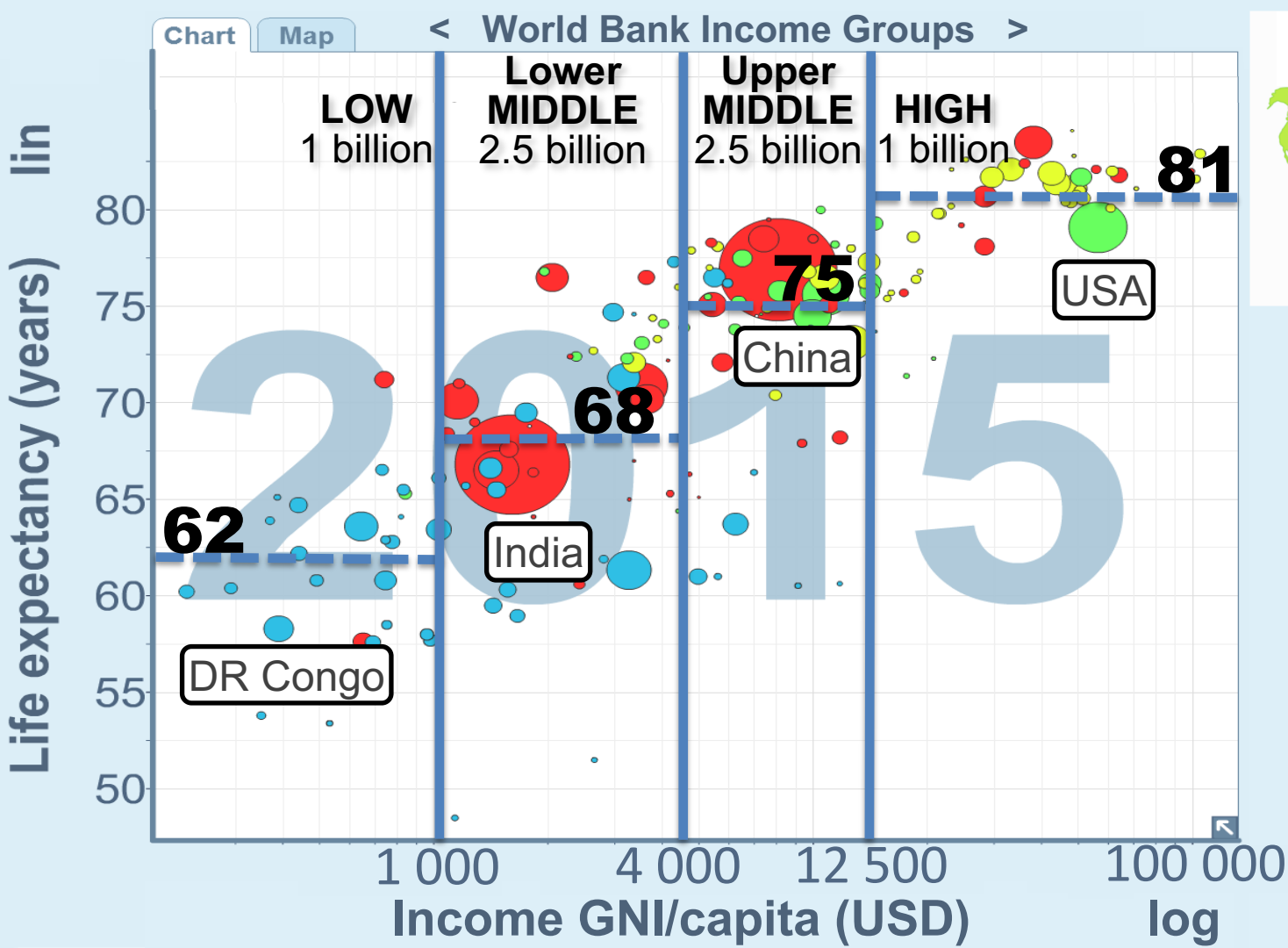






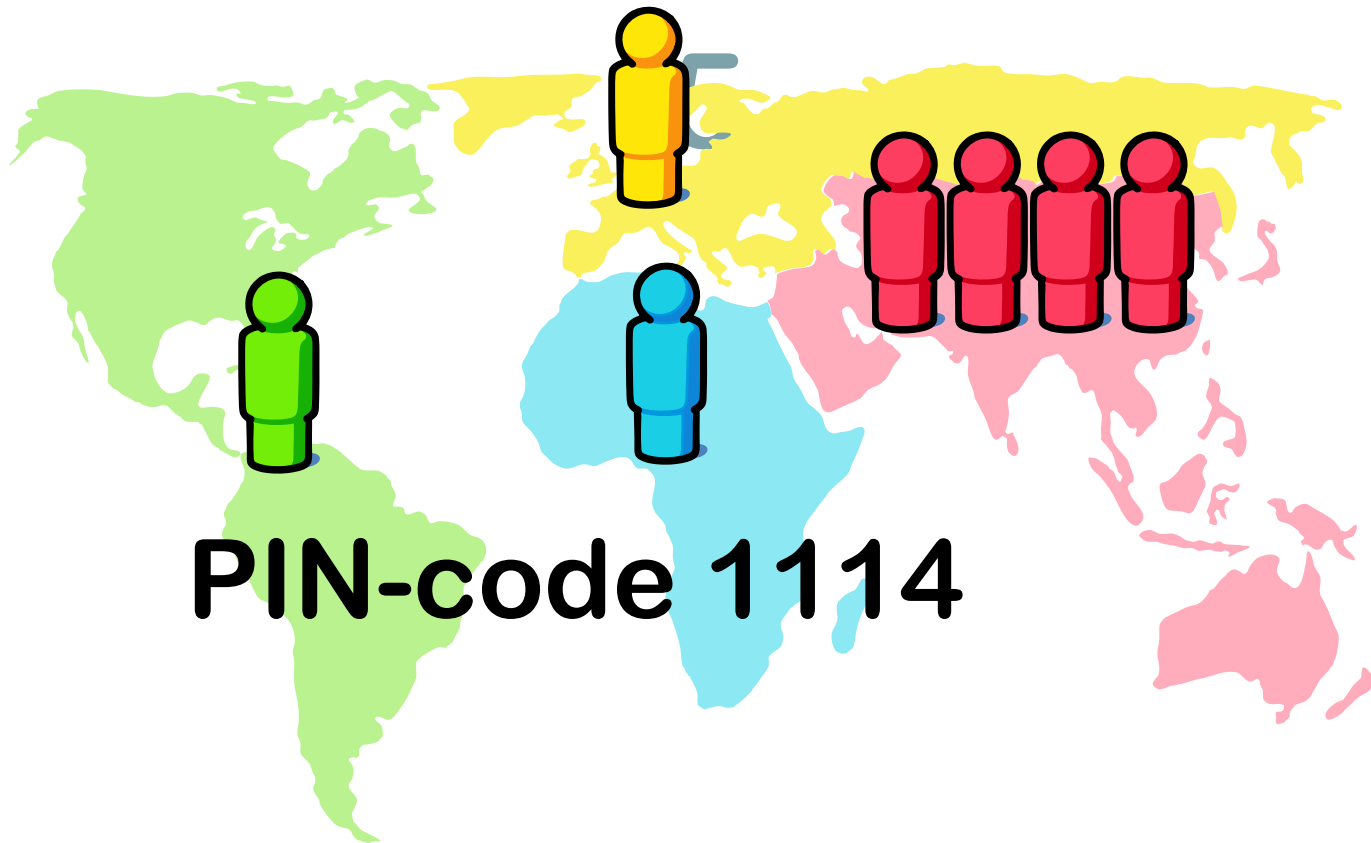
Composition of macro geographical (continents and sub-regions), geographical sub-regions, and other groupings

c/ There is no established convention for the designation of "developed" and "developing" countries or areas in the United Nations system.



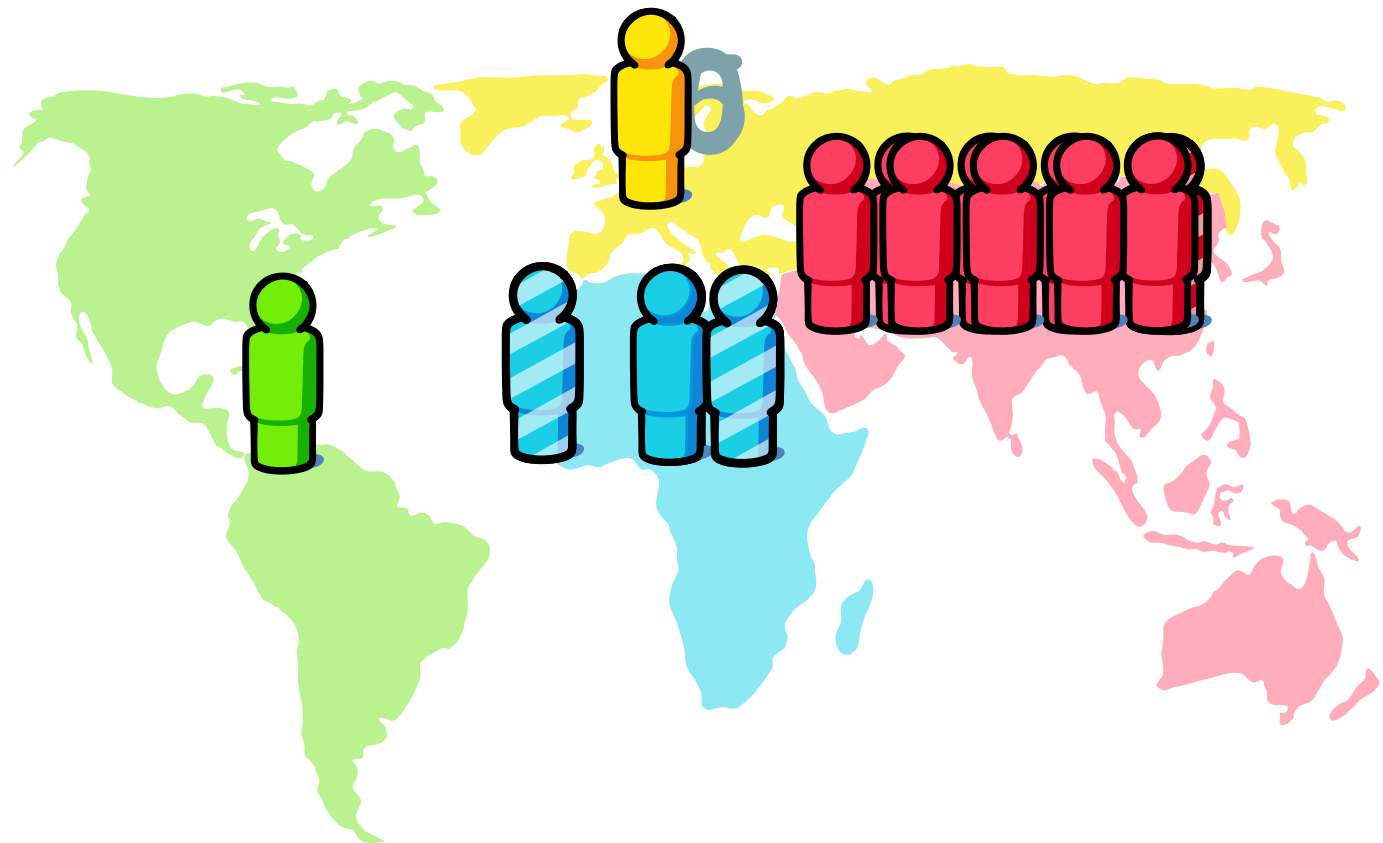
Population

201



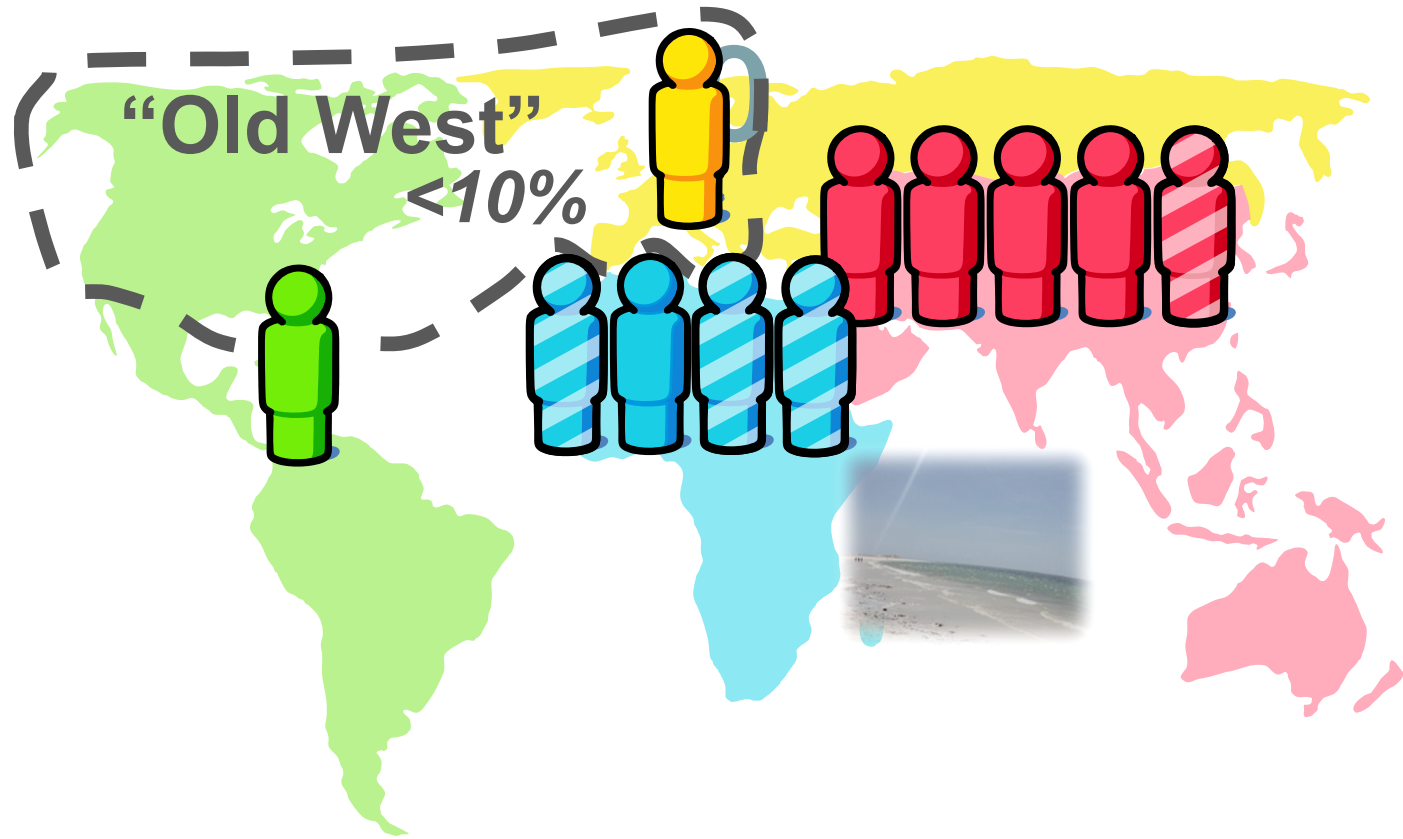
PIN-code 1114

210



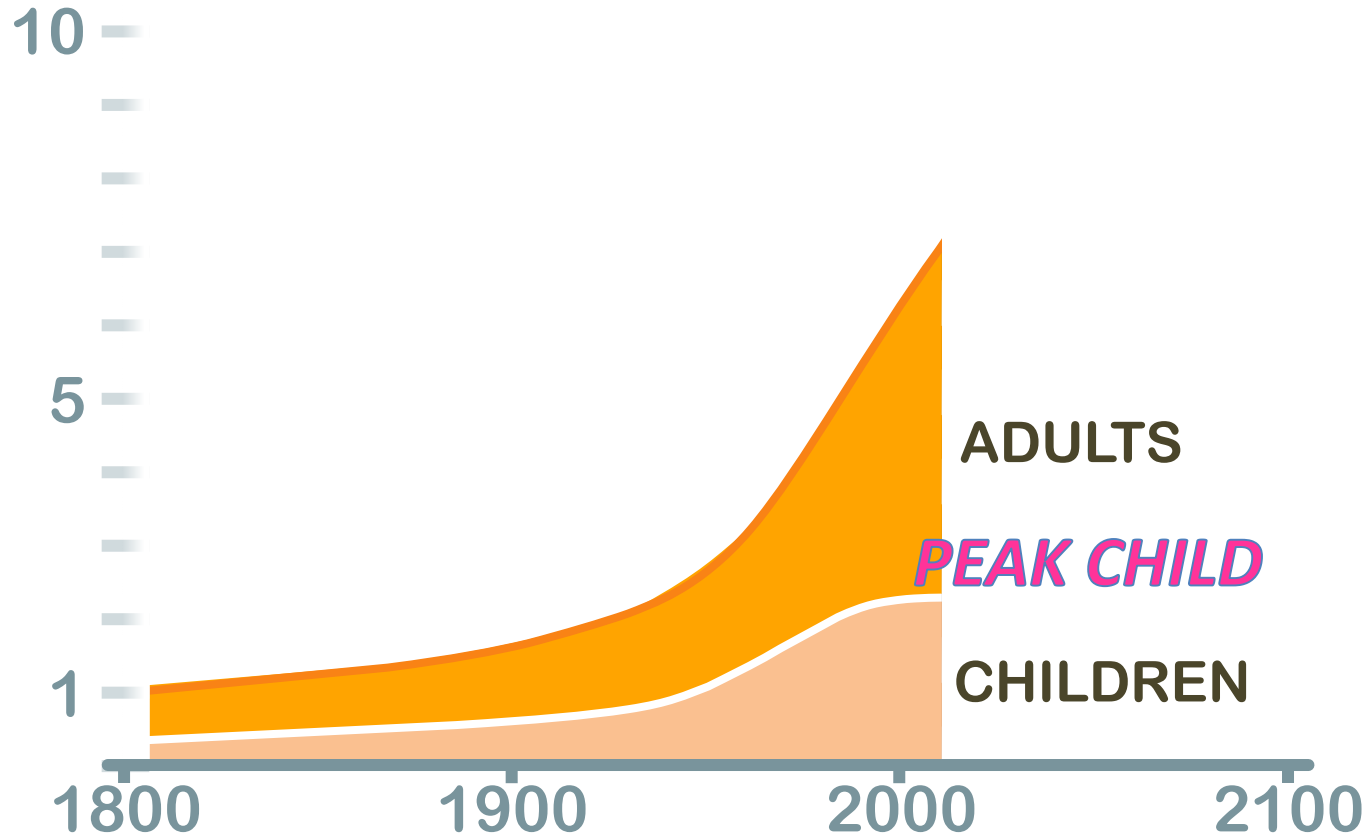
Source: United Nation's Population Division

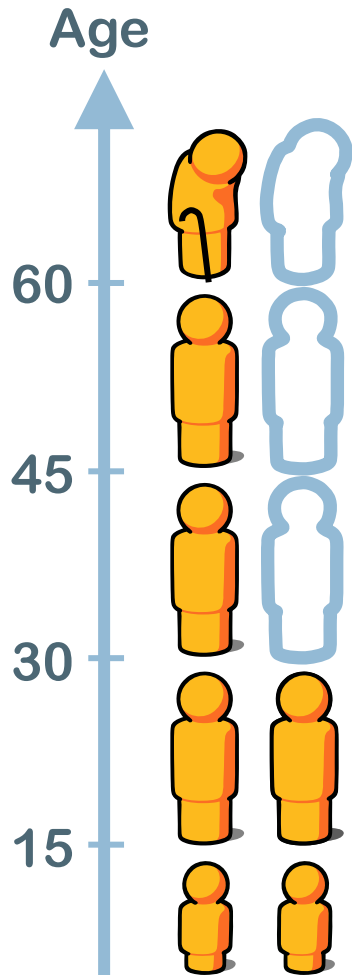
210



Source: United Nation's Population Division

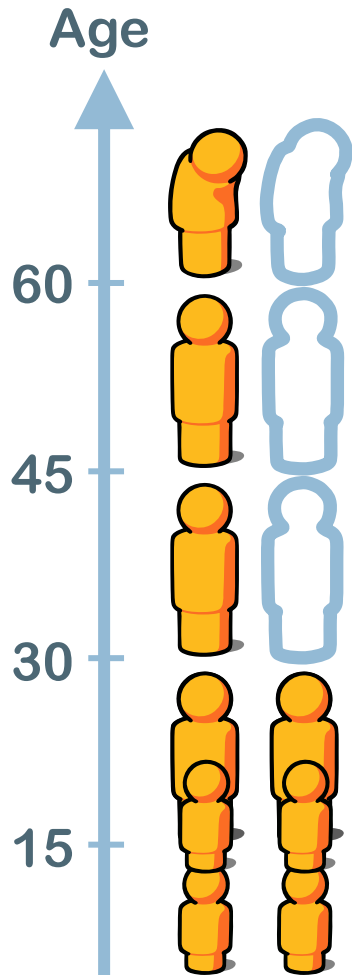
WORLD POPULATION billions





World
population

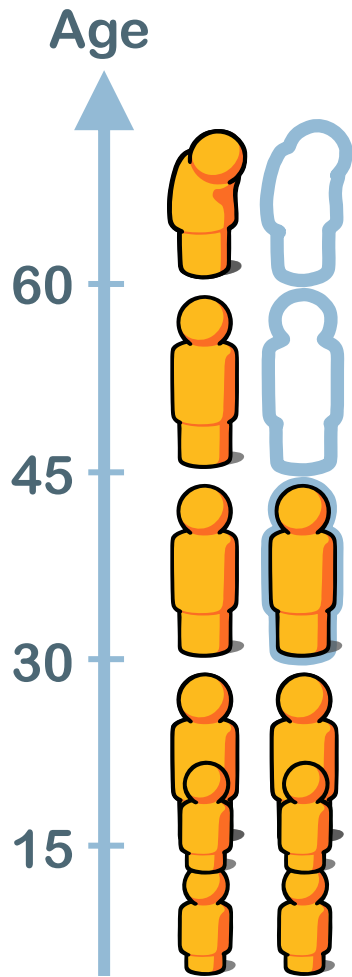
7
billion



World
population

8

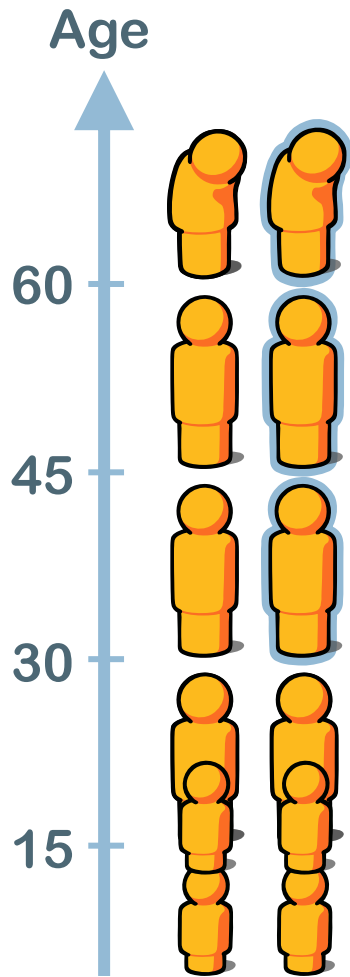
billion



World
population

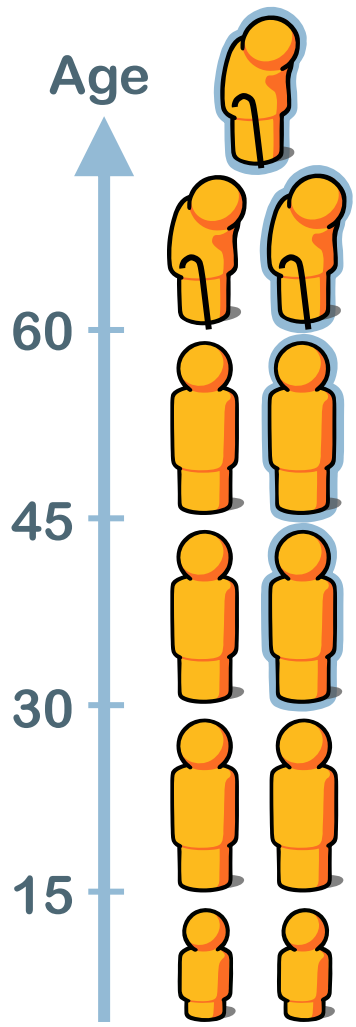
9

billion



World
population

10
billion



World
population
2100

11
billion

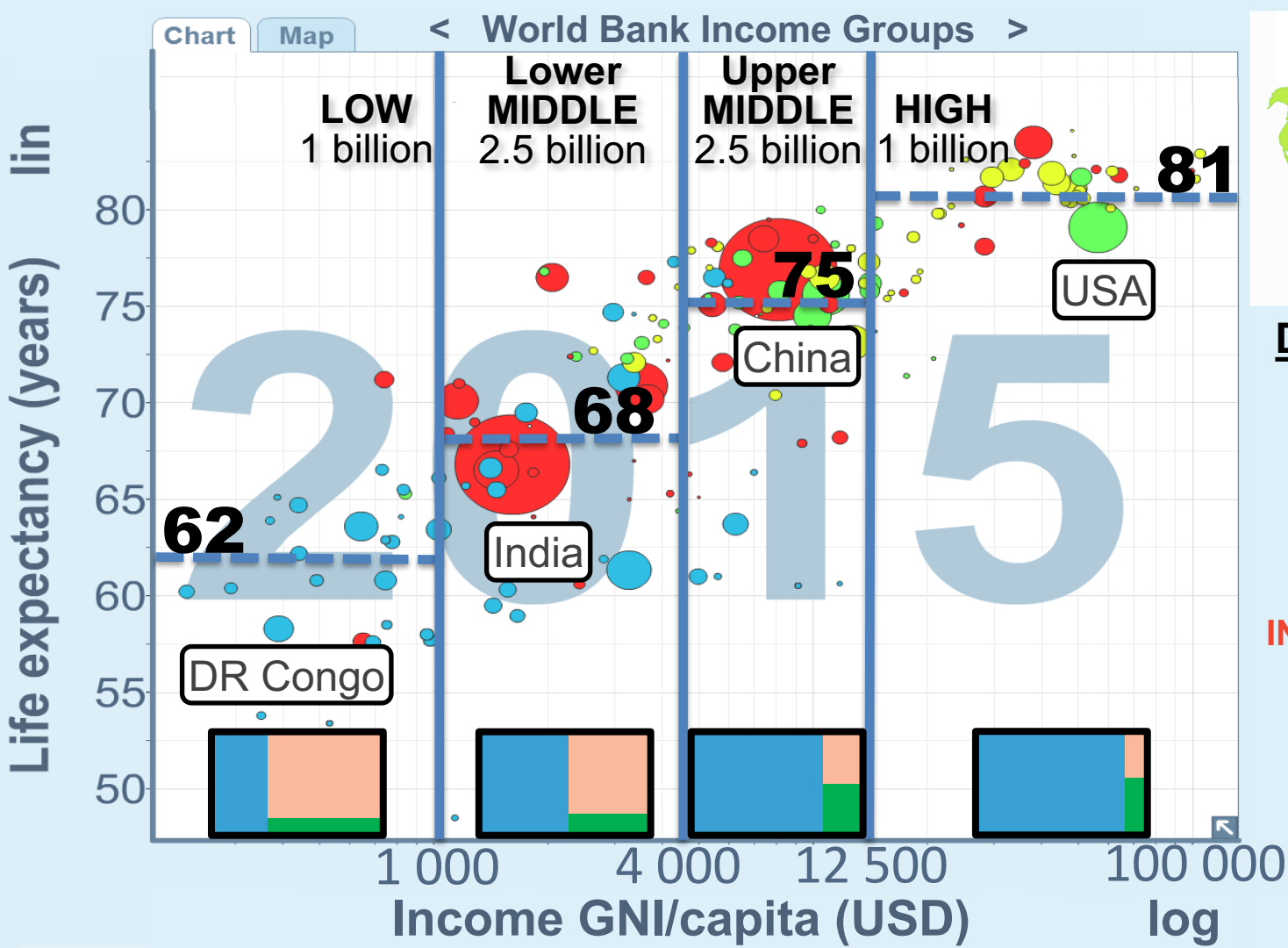
Disease burden

Disease burden

**NON-
COMMUNICABLE
DISEASES
(NCDs)**

**INFECTIONS
+maternal
+neonatal
+nutrition**

INJURIES



COLOR BY REGION

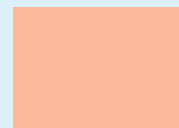


DISEASE BURDEN

NON-COMMUNICABLE



INFECTIONS/NEONATAL



INJURIES



Disability-Adjusted Life Years

Per 100 000 population

Chart

Map

LOW
1 billion

Lower MIDDLE
2.5 billion

Upper MIDDLE
2.5 billion

HIGH
1 billion

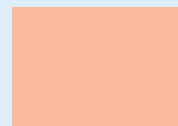
COLOR BY REGION



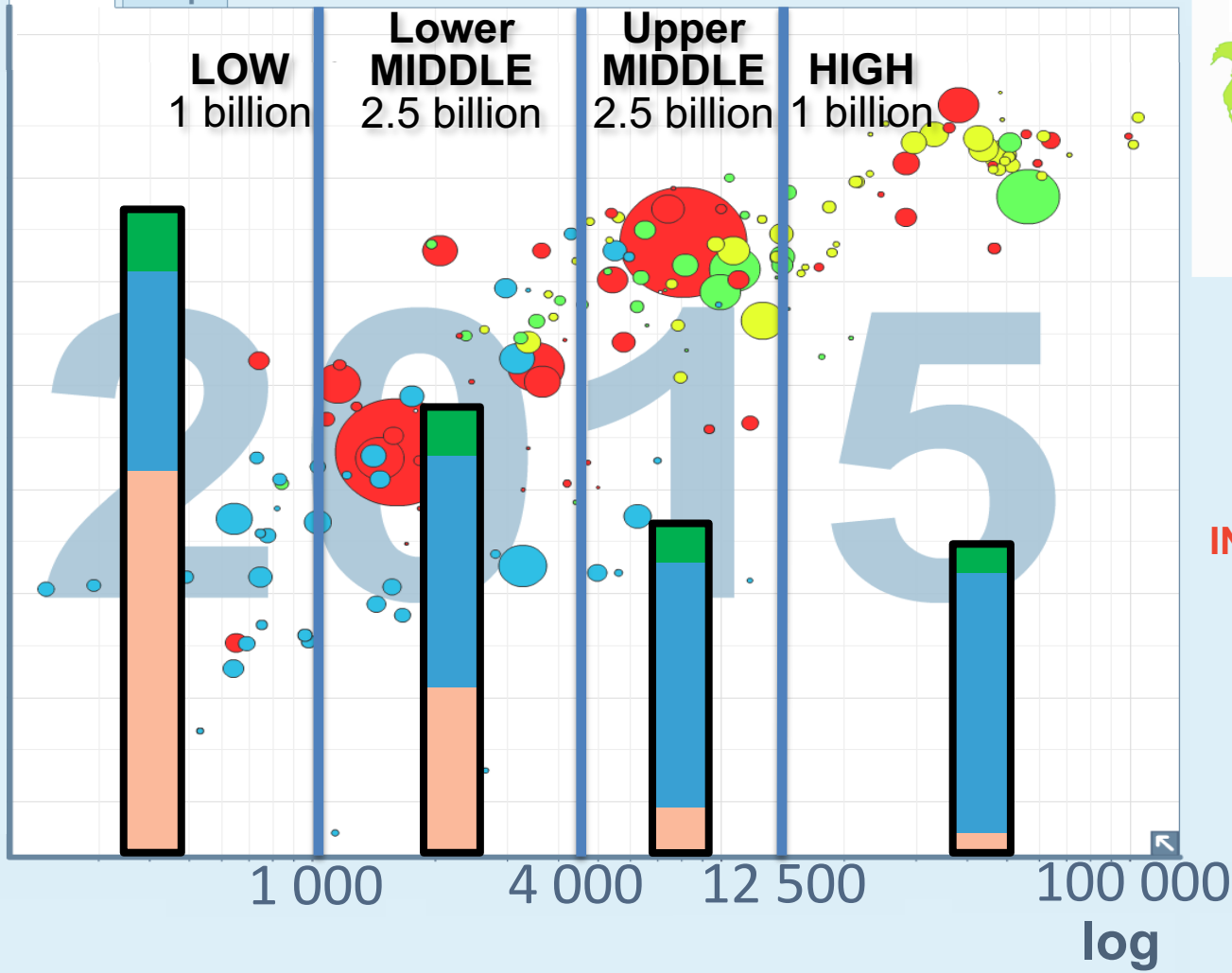
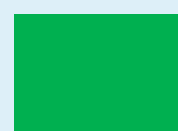
NON-COMMUNICABLE



INFECTIONS/NEONATAL



INJURIES



Disease transition

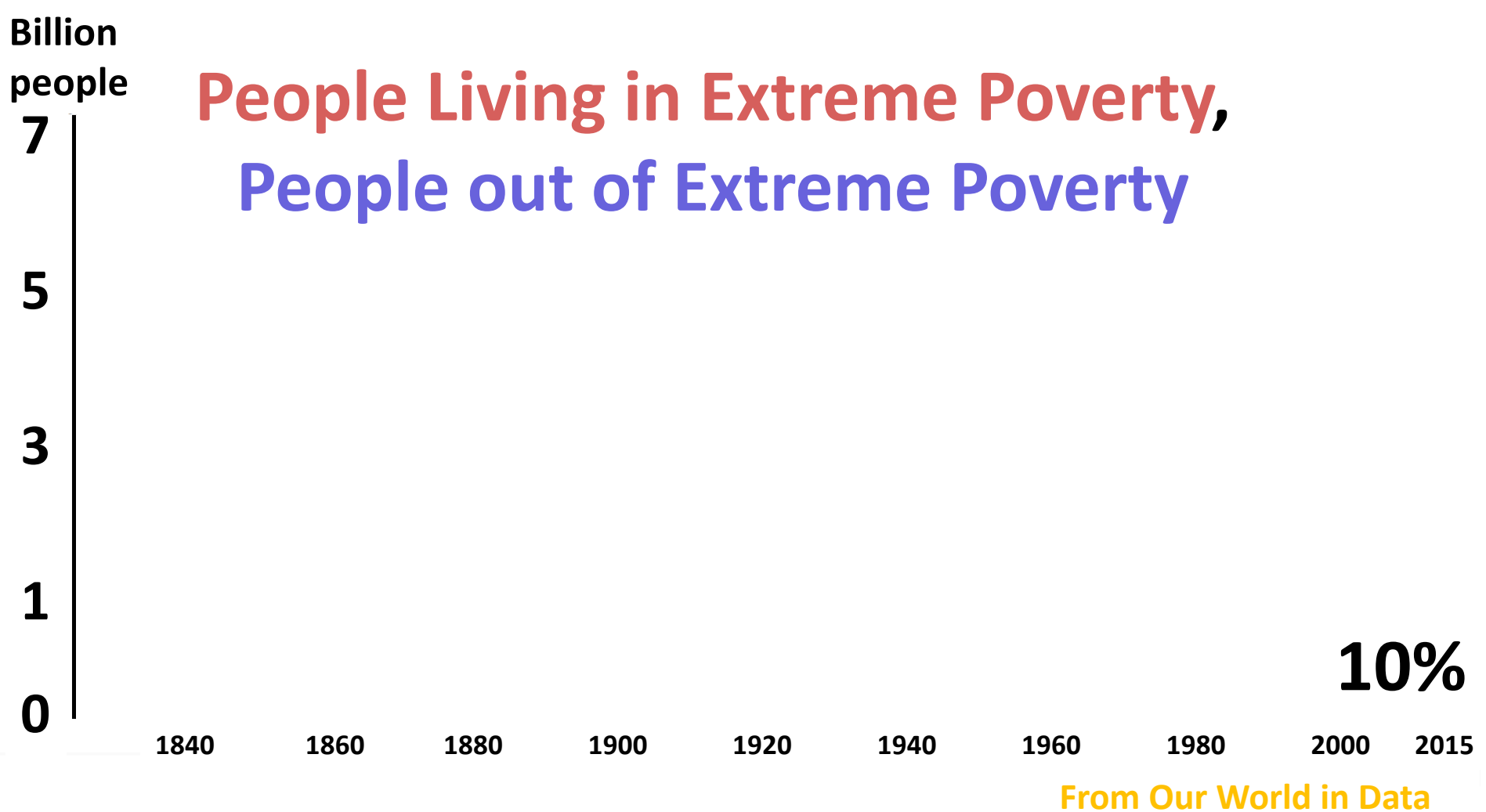
Non-communicable deaths and GNI per capita

Country	GNI per capita (USD)	Total NCD deaths	Young NCD deaths
Uganda	670		
Thailand	5780		
USA	55,230		
Sweden	61,570		

Extreme

Poverty

< \$ 1.90 / day



From Our World in Data

**Take home
messages**

Have we become healthier?

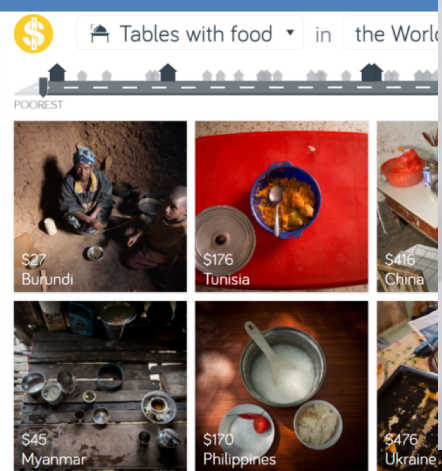
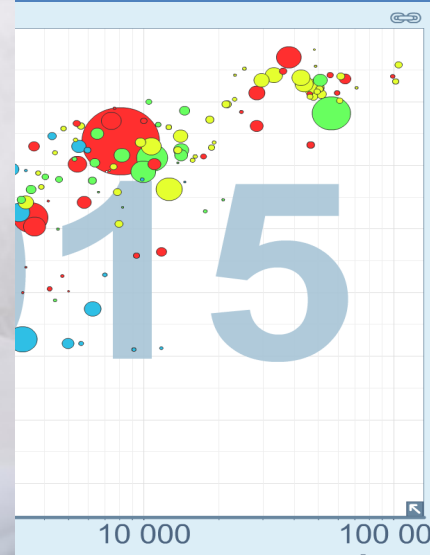
YES!

- Global life expectancy up from 30 to 72 years in 200 years
- Population increase is slowing down, until we plateau at 11 billion
- More people survive childhood infections and now die from NCDs

www.gapminder.org

Dollar

bles



GNI/capita (Atlas method, current U... log