

Aletta Jacobs School of Public Health



First woman officially to attend a Dutch university, she became one of the first female physicians in the Netherlands (1887)

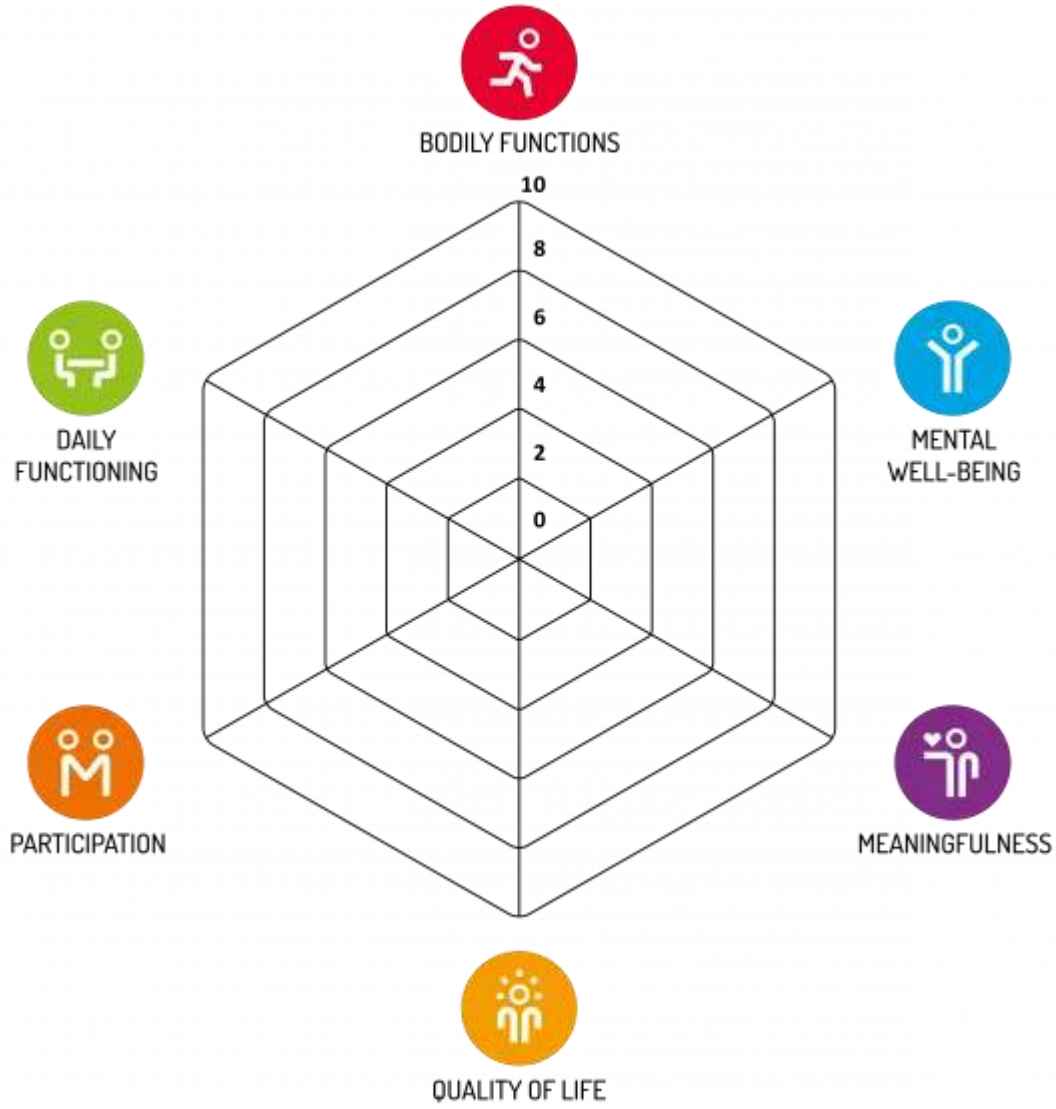
Dutch women's suffrage leader - right to vote 1919

21st century population health

Who picks up the gauntlet?



university of
 groningen



<https://youtu.be/vEjGN6QTSpk>



healthy ageing



Life expectancy

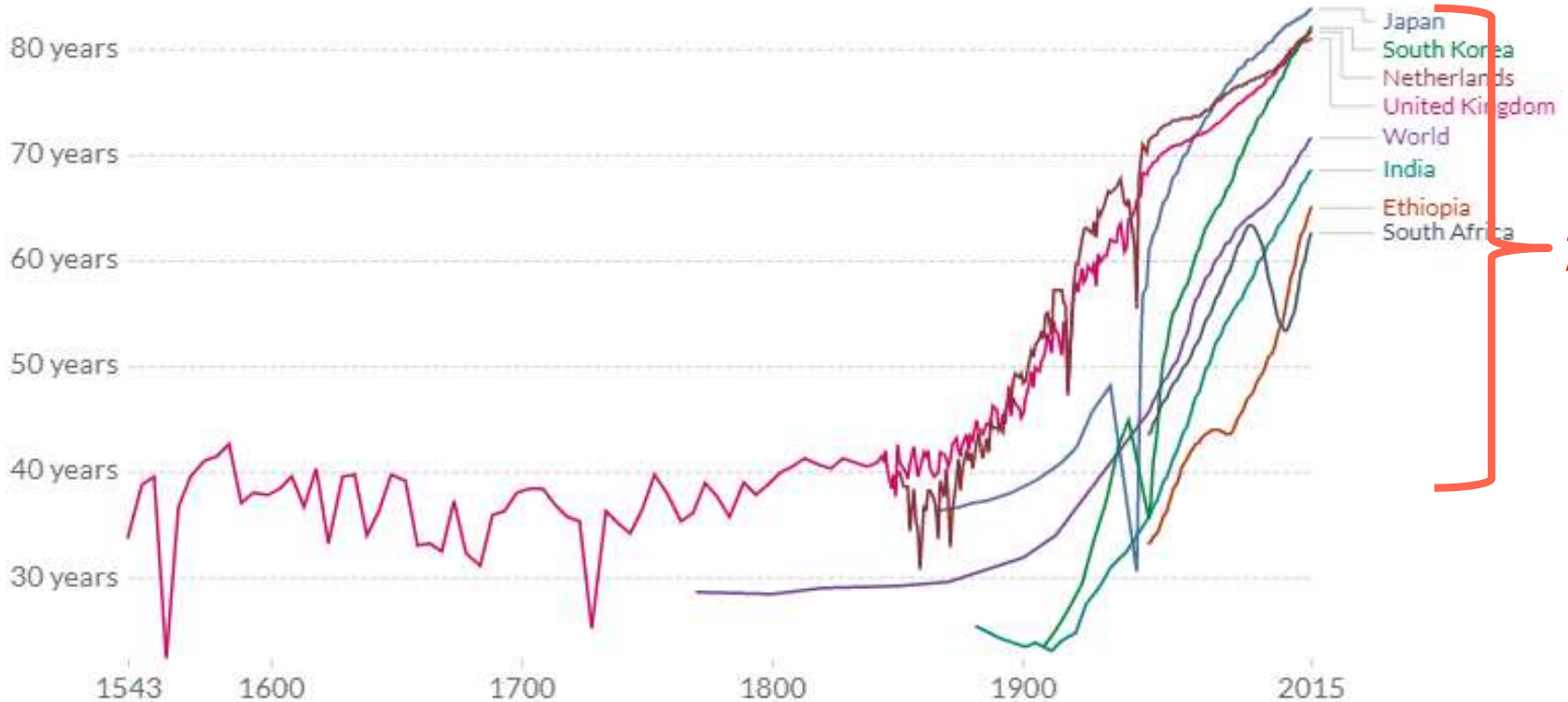
Life expectancy, 1543 to 2015

Our World
in Data

LINEAR

LOG

+ Add country



2X

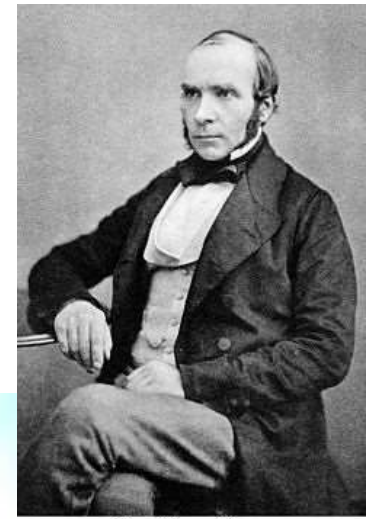
Source: Riley (2005), Clio Infra (2015), and UN Population Division (2019)

Note: Shown is period life expectancy at birth, the average number of years a newborn would live if the pattern of mortality in the given year were to stay the same throughout its life.

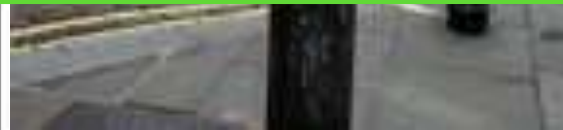
CC BY

Disruptive thinking: John Snow

- 1854 Cholera epidemic London



Public health Primary prevention



- Dismantling pump and flight broke epidemic

[https://en.wikipedia.org/wiki/John_Snow_\(physician\)](https://en.wikipedia.org/wiki/John_Snow_(physician))



Age-Specific Contributions to the Increase of Life Expectancy among Women 1850 to 2007

Age group	1850-1900	1900-1925	1925-1950	1950-1975	1975-1990	1990-2007
0-14	62	55	31	30	11	6
15-49	29	32	38	18	6	5
50-64	5	9	19	16	24	11
65-79	3	4	13	28	41	37
80+	0	0	0	8	18	42
Total	100%	100%	100%	100%	100%	100%

Infectious diseases = hygiene

Age-Specific Contributions to the Increase of Life Expectancy from 1850 to 2007



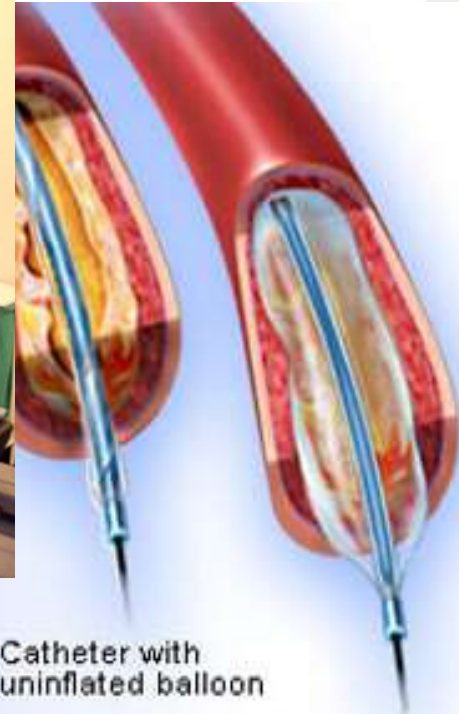
1975-1990 1990-2007

65-74

80+

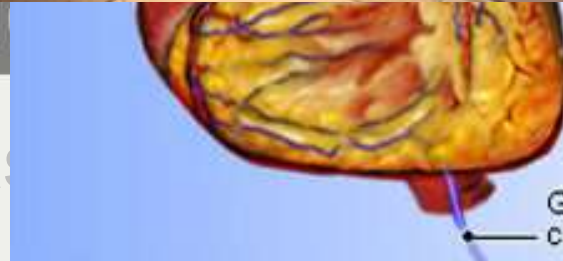
Total 100% 1

Infectious diseases
hygiene



Catheter with uninflated balloon

Catheter with inflated balloon



Guide catheter

Success of modern healthcare

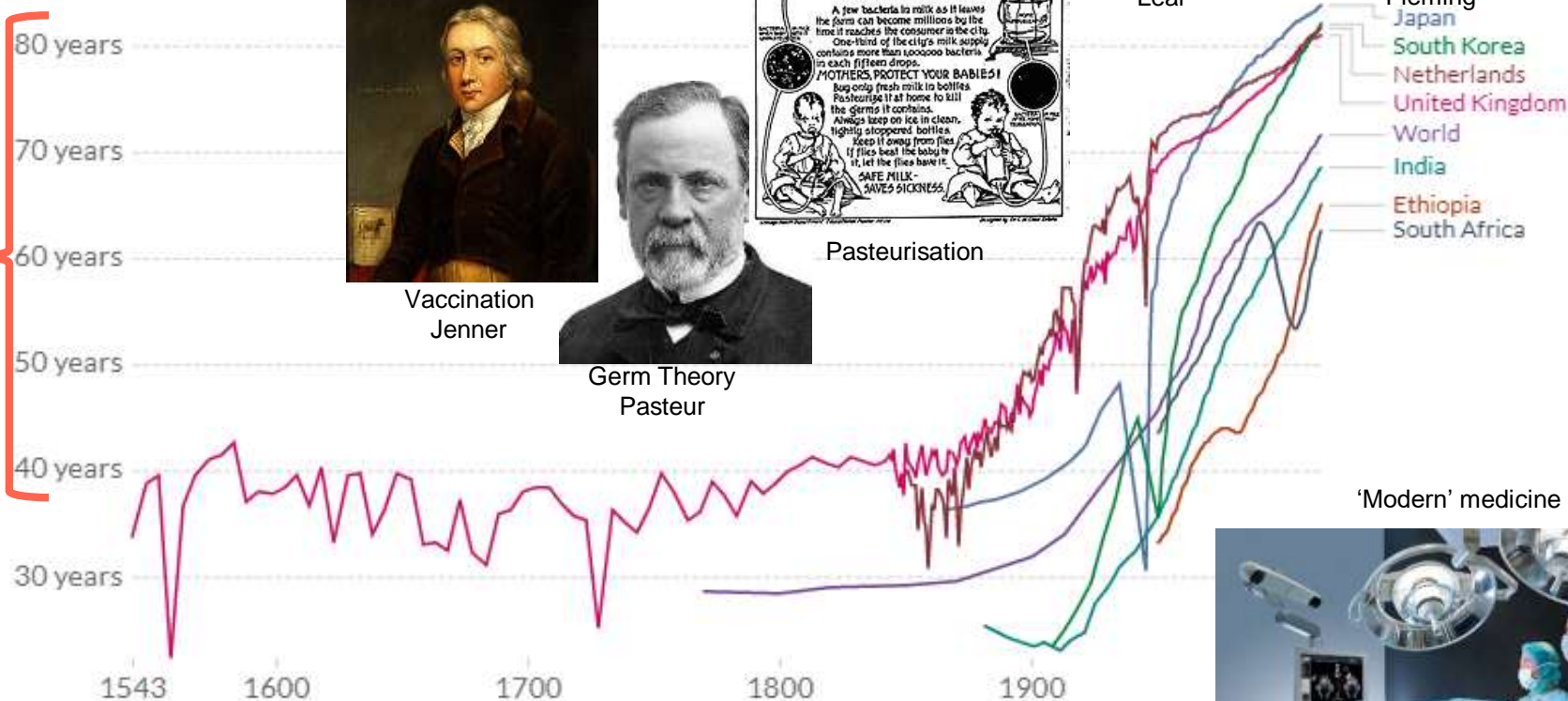
Life expectancy

Life expectancy, 1543 to 2015

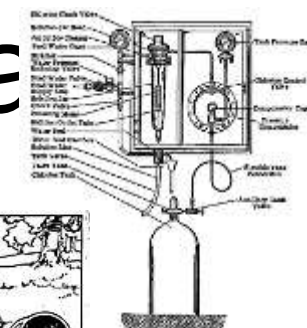
LINEAR

LOG

+ Add country



Pasteurisation



Water chlorination
Leal



Penicillin
Fleming



'Modern' medicine

Source: Riley (2005), Clio Infra (2015), and UN Population Division (2019)

Note: Shown is period life expectancy at birth, the average number of years a newborn would live if the pattern of mortality stay the same throughout its life.



Demography

- LE ↑ 2 y per decade!

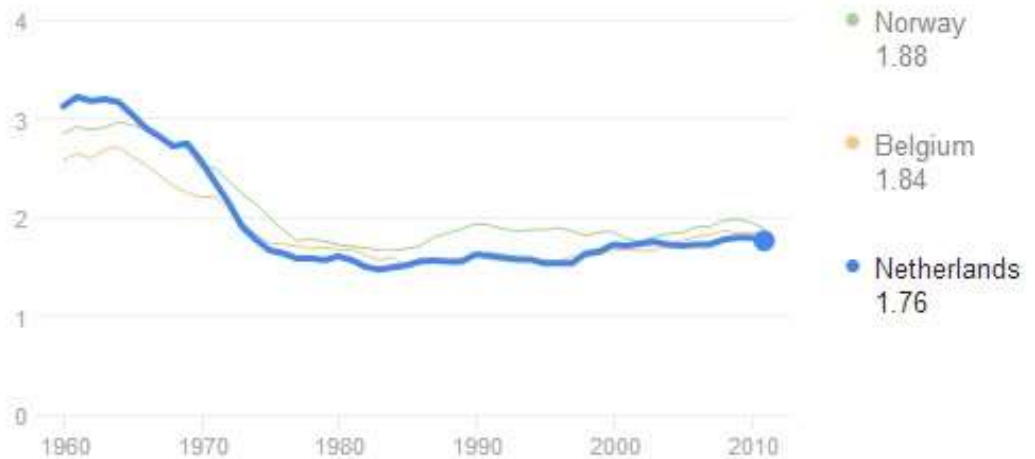
Qol & participation

Figure 5.

Global Population

1.76 births per woman (2011)

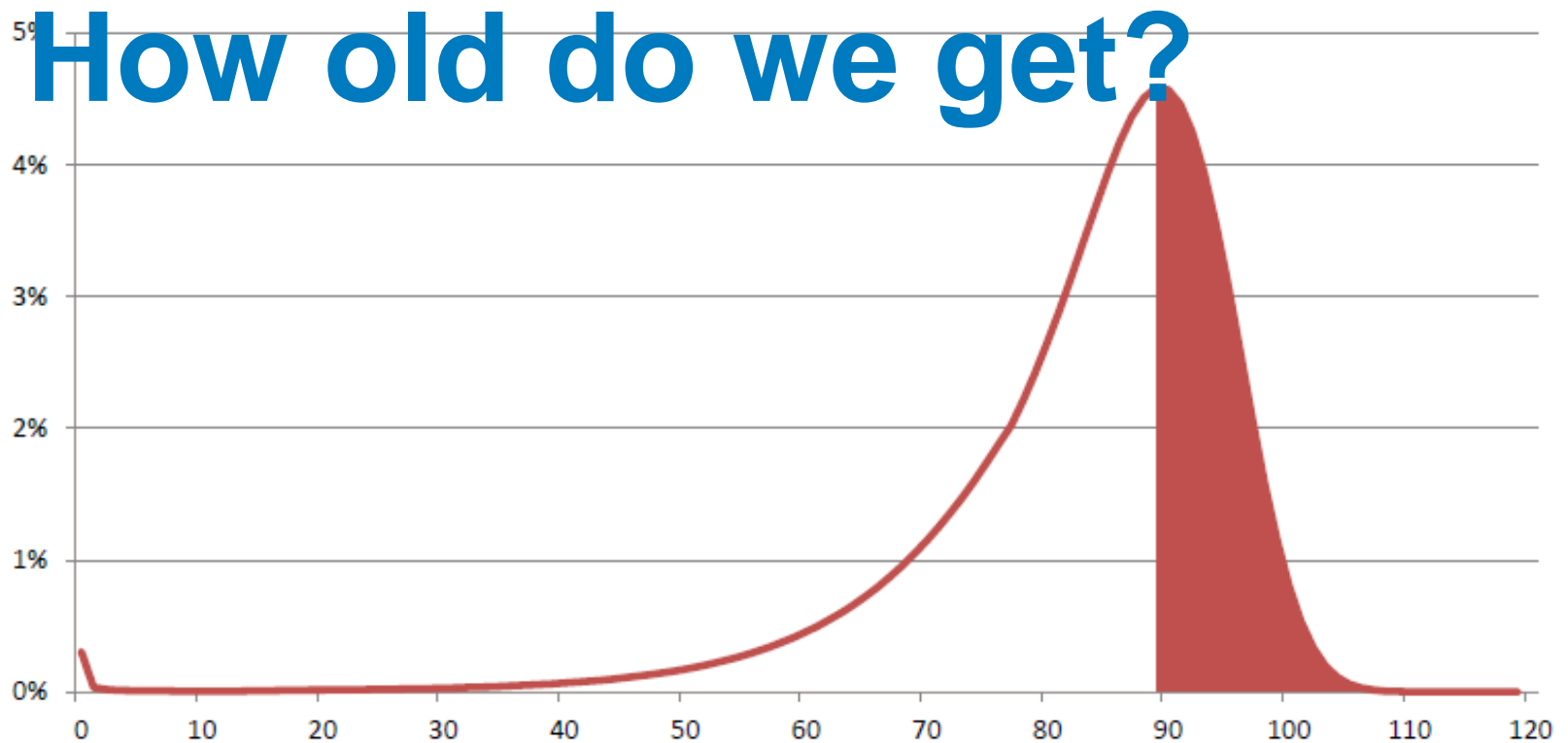
Netherlands, Fertility rate



Source: United Nations, World Population Prospects: The 2010 Revision. Available at: <http://esa.un.org/unpd/wpp>

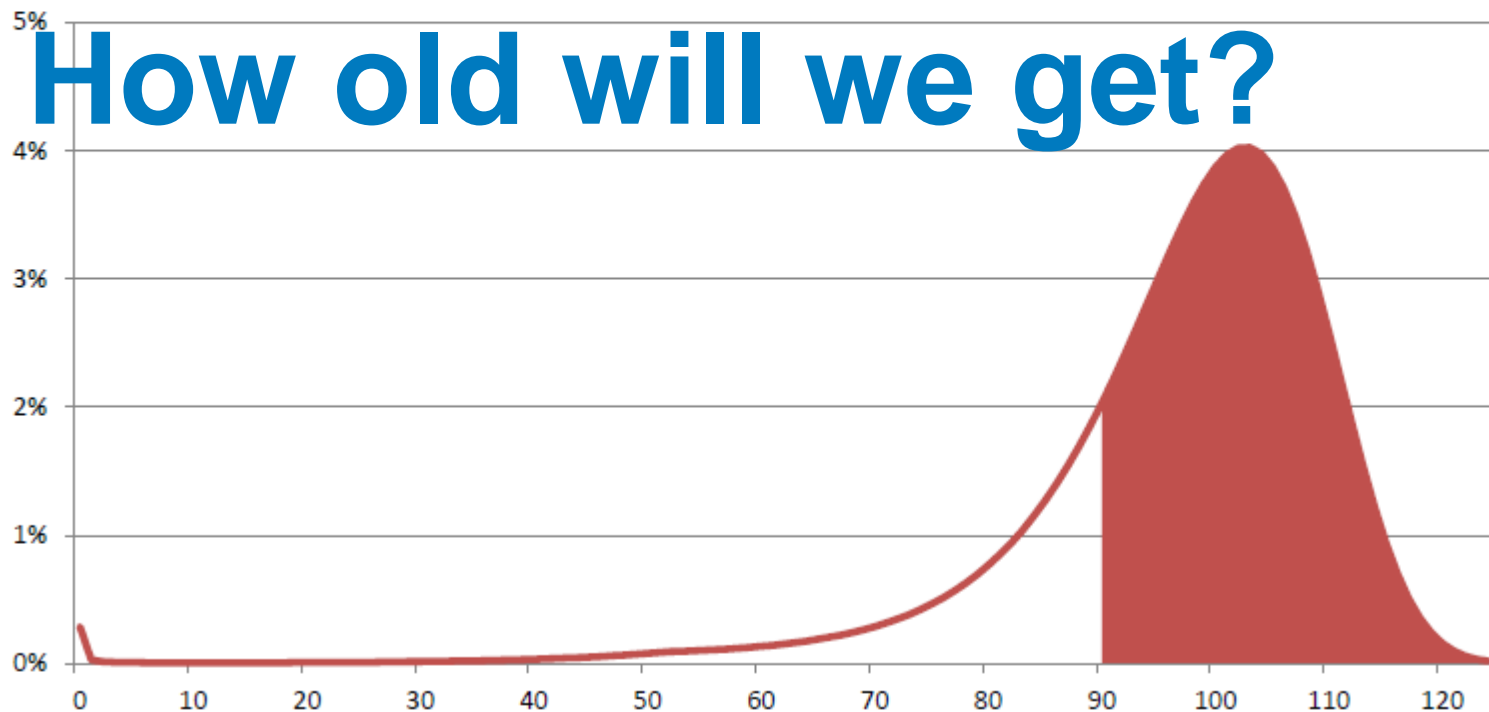
HOE OUD WORDEN WE?

1 OP 3 VROUWEN WORDT 90 JAAR OF OUDER



HOE OUD ZULLEN WE WORDEN?

MEESTE PASGEBOREN MEISJES WORDEN OUDER DAN 90 JAAR





what's that noise?

- social security
 - Medicare
 - social services
- ←

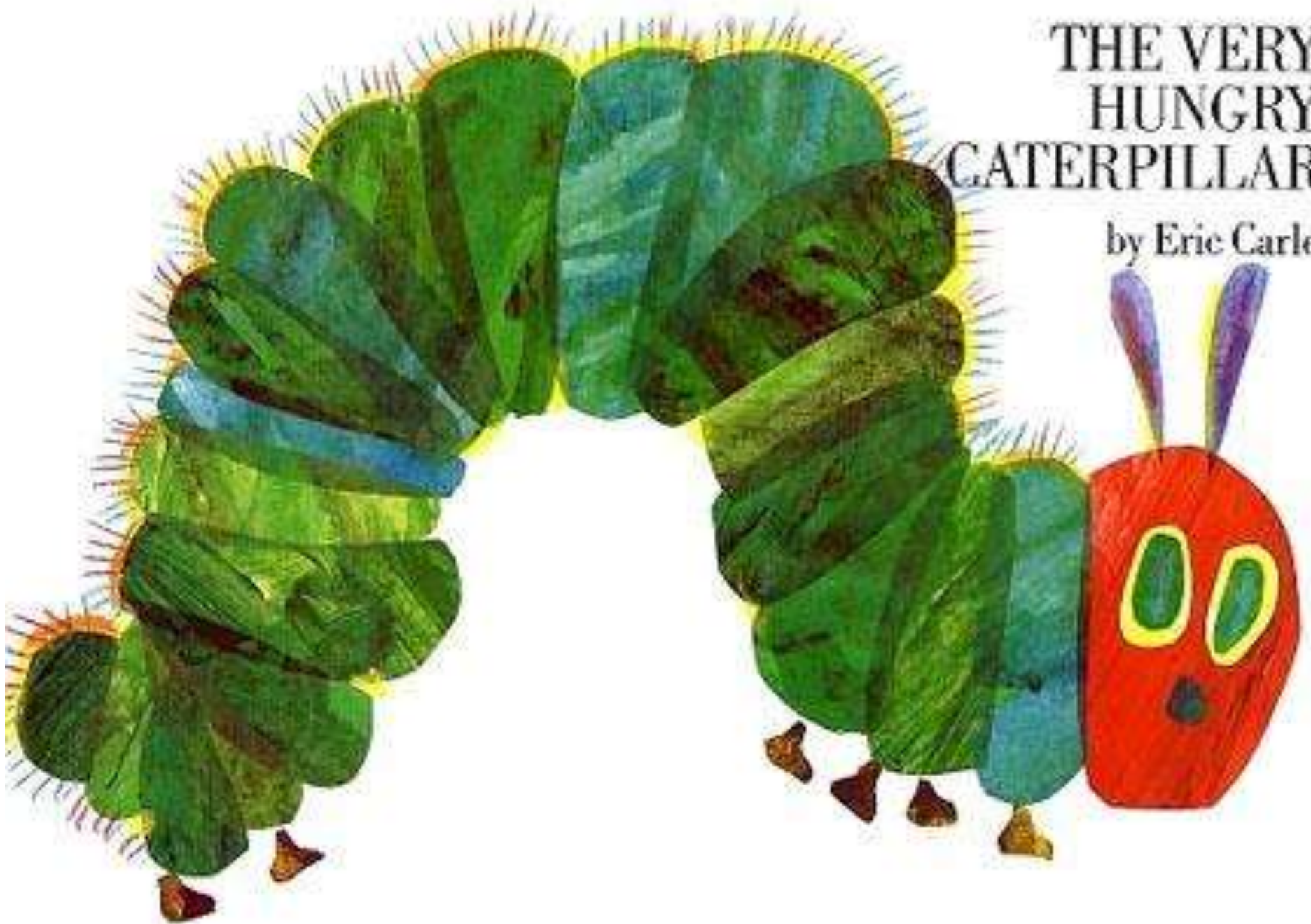
retiring
BOOMERS

ED FISCHER

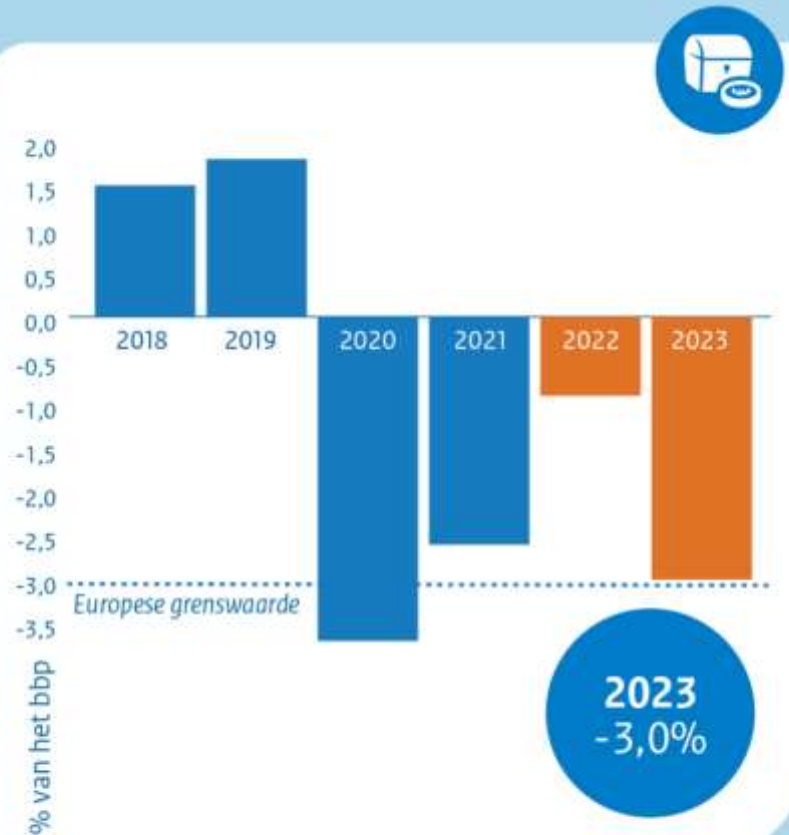


THE VERY HUNGRY CATERPILLAR

by Eric Carle

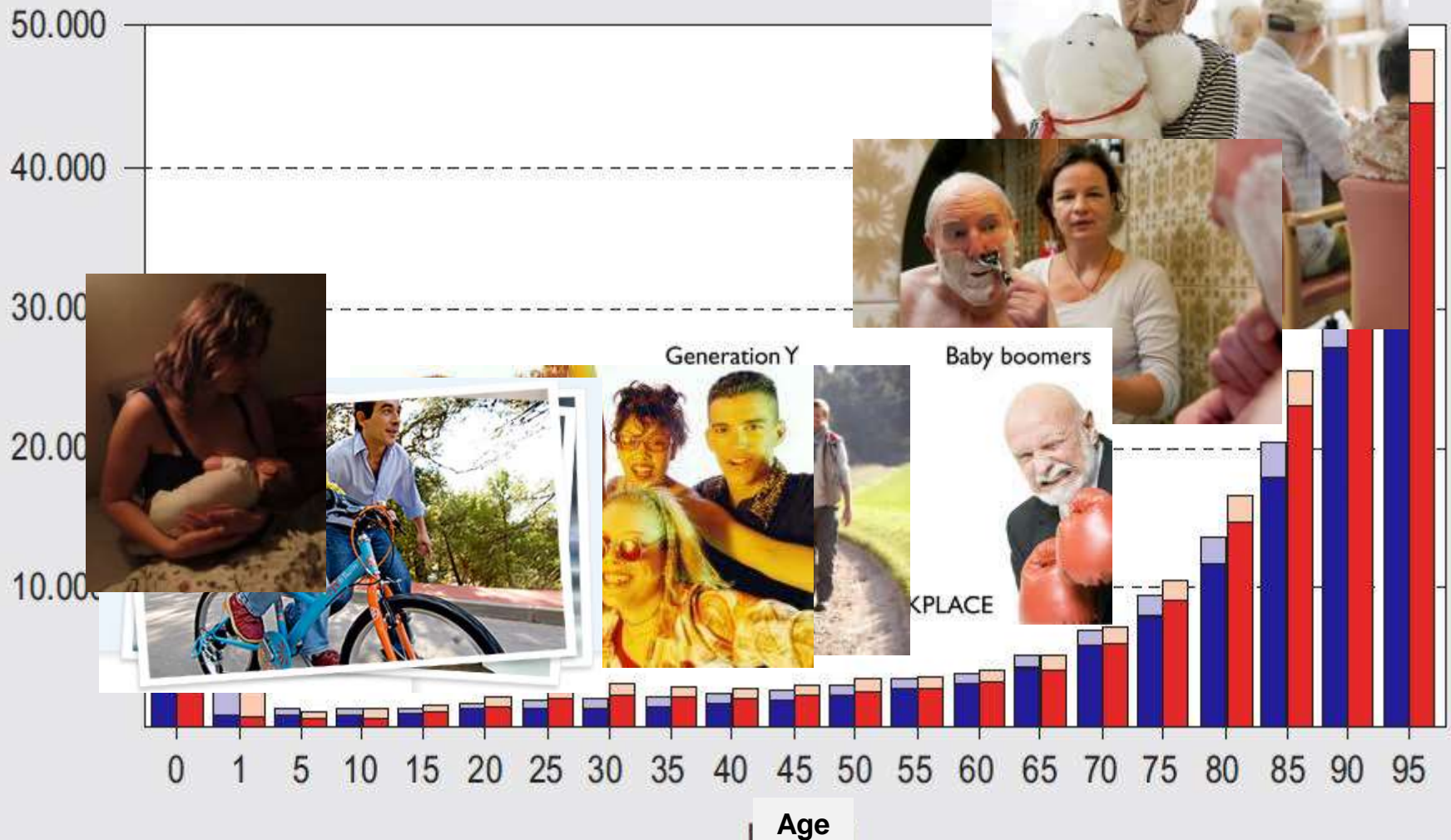


Prinsjesdag 2023



Health care expenditures

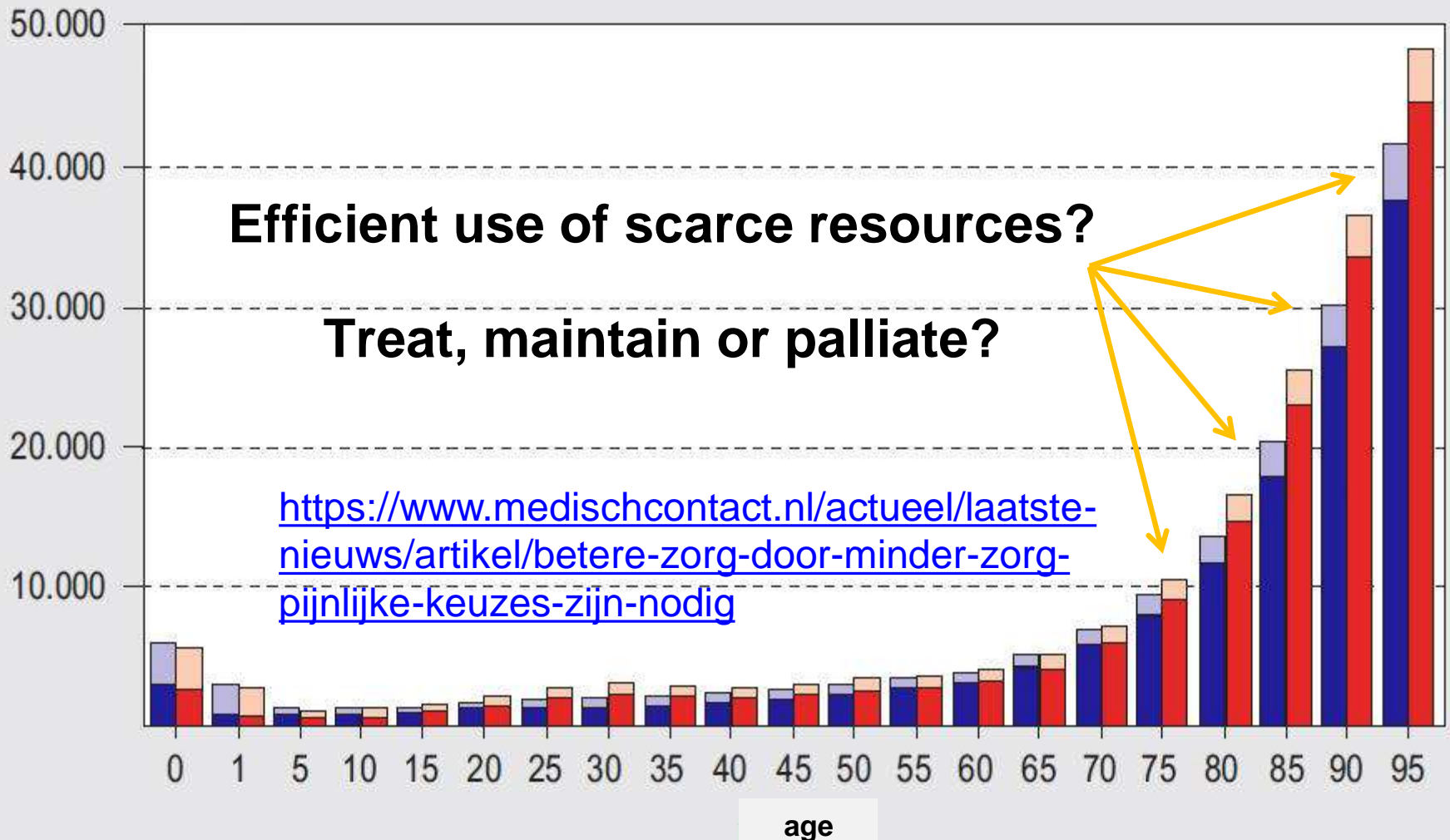
Euro per inhabitant



Challenge!

> 10% GDP & growing faster than GDP

€ per inhabitant



Can we deliver?

Van 5% BBP

Jaren 70



via 12% BBP

Nu



naar de 20% BBP

2060



It's important to have a *twinkle* in your wrinkle.

[ANON]



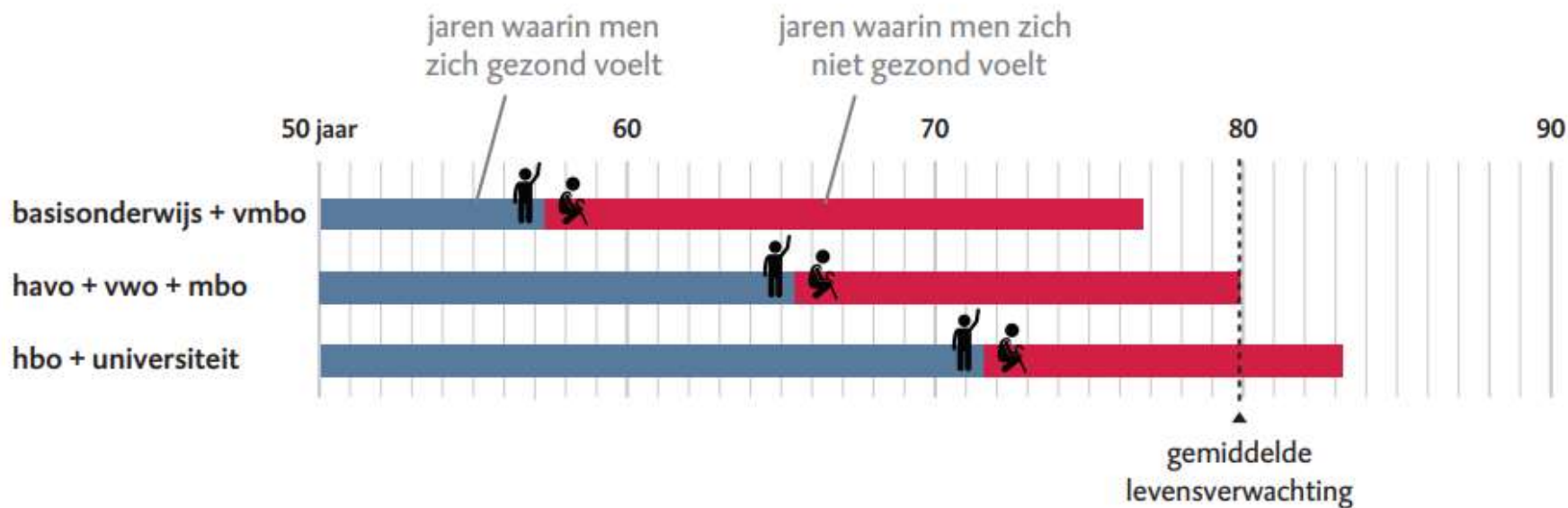
Der J

er 1553

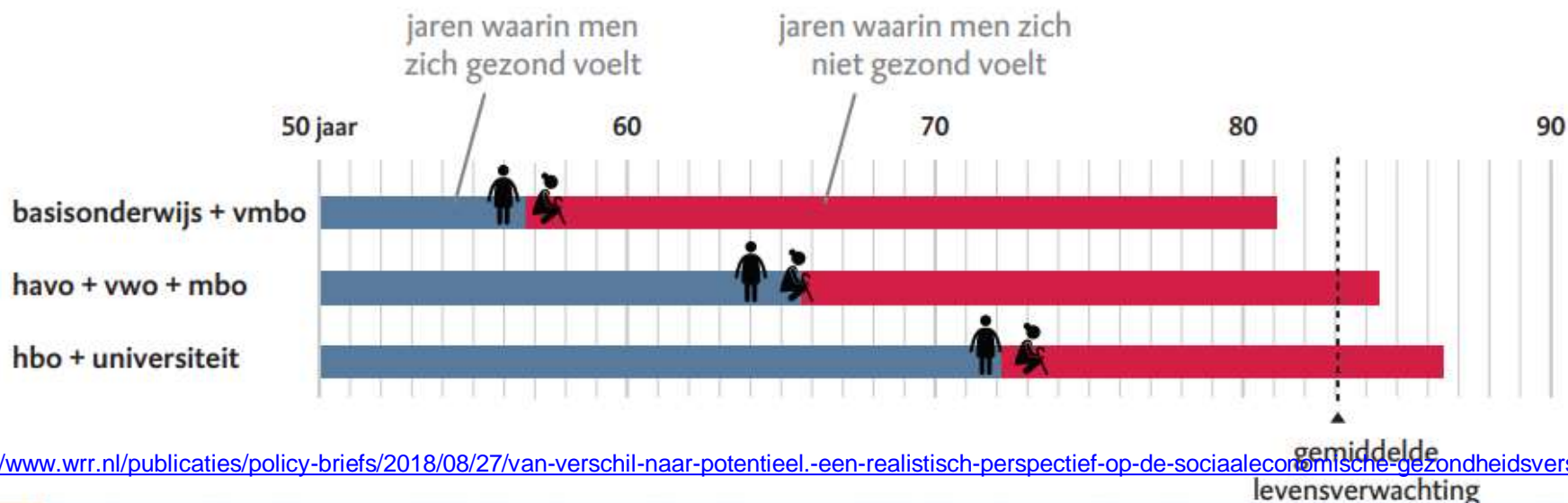


Figuur 2.1 Samenhang opleiding en (gezonde) levensverwachting (2013-2016)

Mannen



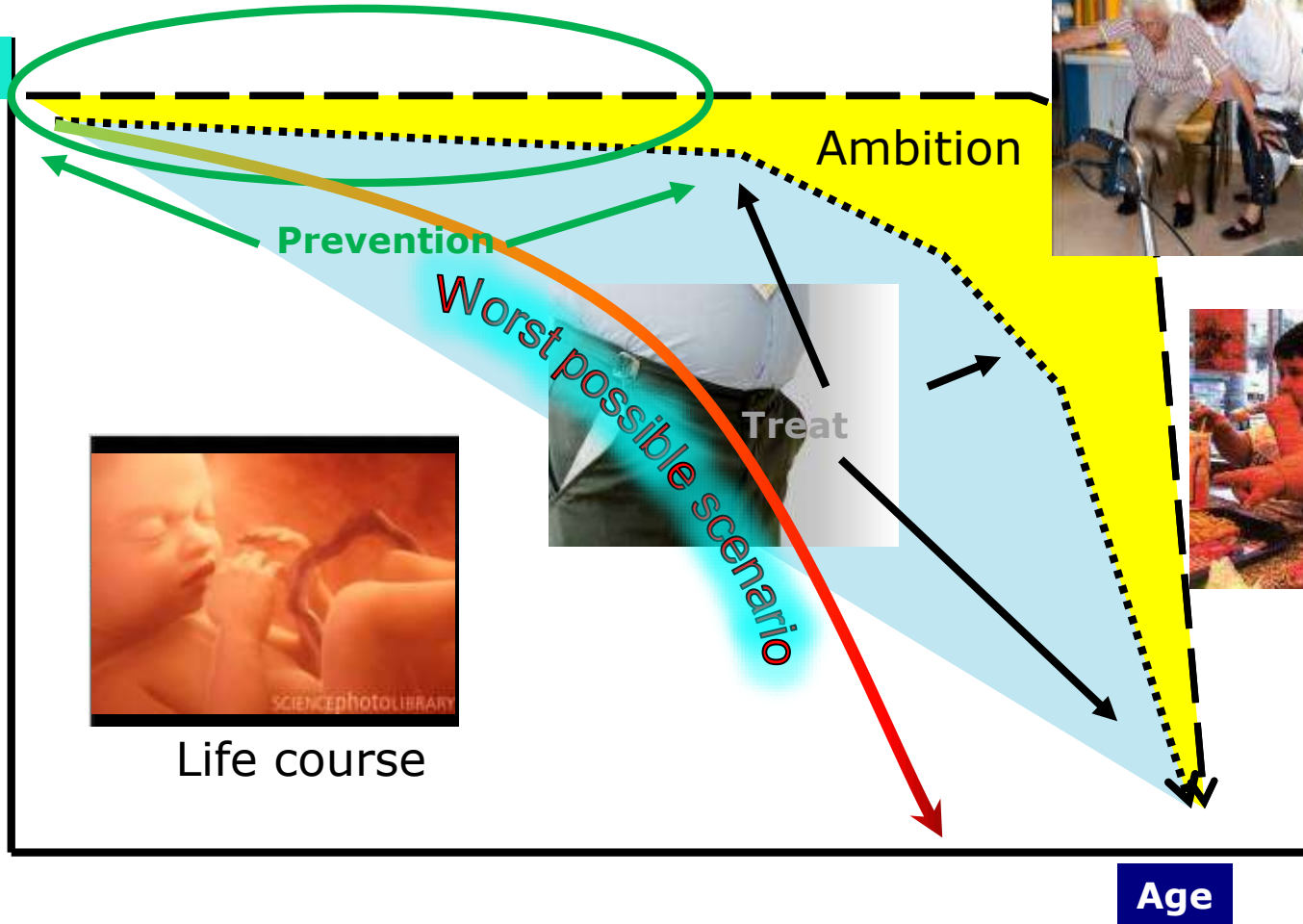
Vrouwen



Healthy Ageing

Health

Utility



Life course



Treat



Ambition



Age

Healthy Ageing – Dutch approach a multi-dimensional framework

Health,
HRQoL
etc

Societal Utility



Not just a health issue

- Education
- Welfare
- Services
- Social affairs
- Economics
- Labour market
- Migration
- Urban design
- @ @ @



To become informal careproviders?

Medische Omerta....



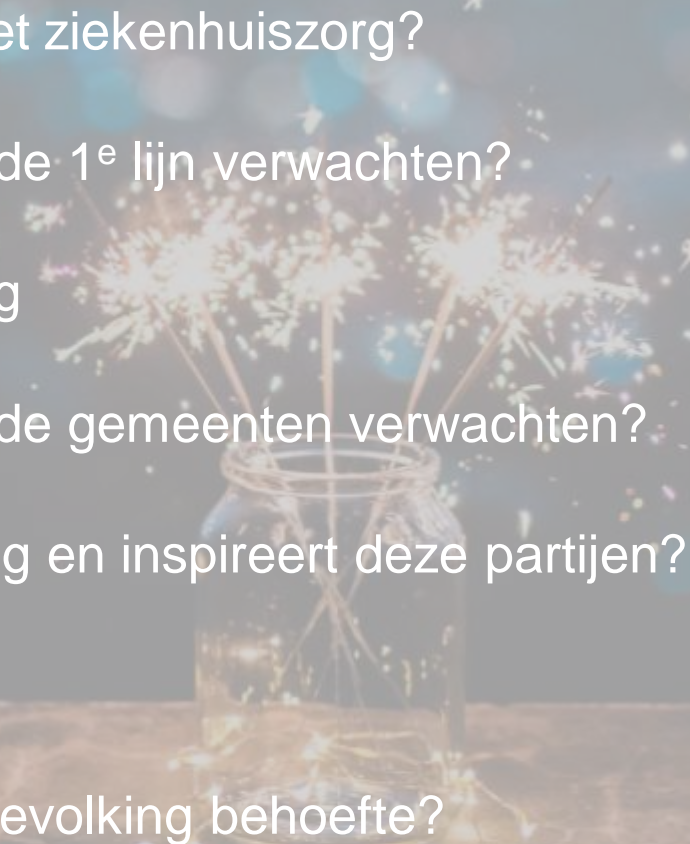
<https://www.volkskrant.nl/nieuws-achtergrond/oud-hoogleraar-ziet-een-commune-van-medisch-specialisten-het-zorgsysteem-is-moreel-failliet~b5d822227/?referrer=https://www.google.com/>

<https://www.medischcontact.nl/actueel/laaste-nieuws/artikel/adviseer-geen-behandeling-die-je-zelf-niet-wilt>

Health in All Policies



IZA, WOZO en GALA

- Hoe ver gaan we met ziekenhuiszorg?
 - Wat mogen we van de 1^e lijn verwachten?
 - Wat van de thuiszorg
 - Wat mogen we van de gemeenten verwachten?
 - Wie/wat geeft richting en inspireert deze partijen?
 - Waaraan heeft NL bevolking behoefte?
- 
- A glass jar containing lit sparklers, set against a dark background with bokeh lights. The sparklers are lit and emitting bright sparks, creating a festive atmosphere. The jar is placed on a dark surface, and the background is filled with out-of-focus lights in various colors, including blue and yellow.

BEV

Groots

Niet-west

191



Tur

Vluchtlin

41



Irak

Westers

105



Indone

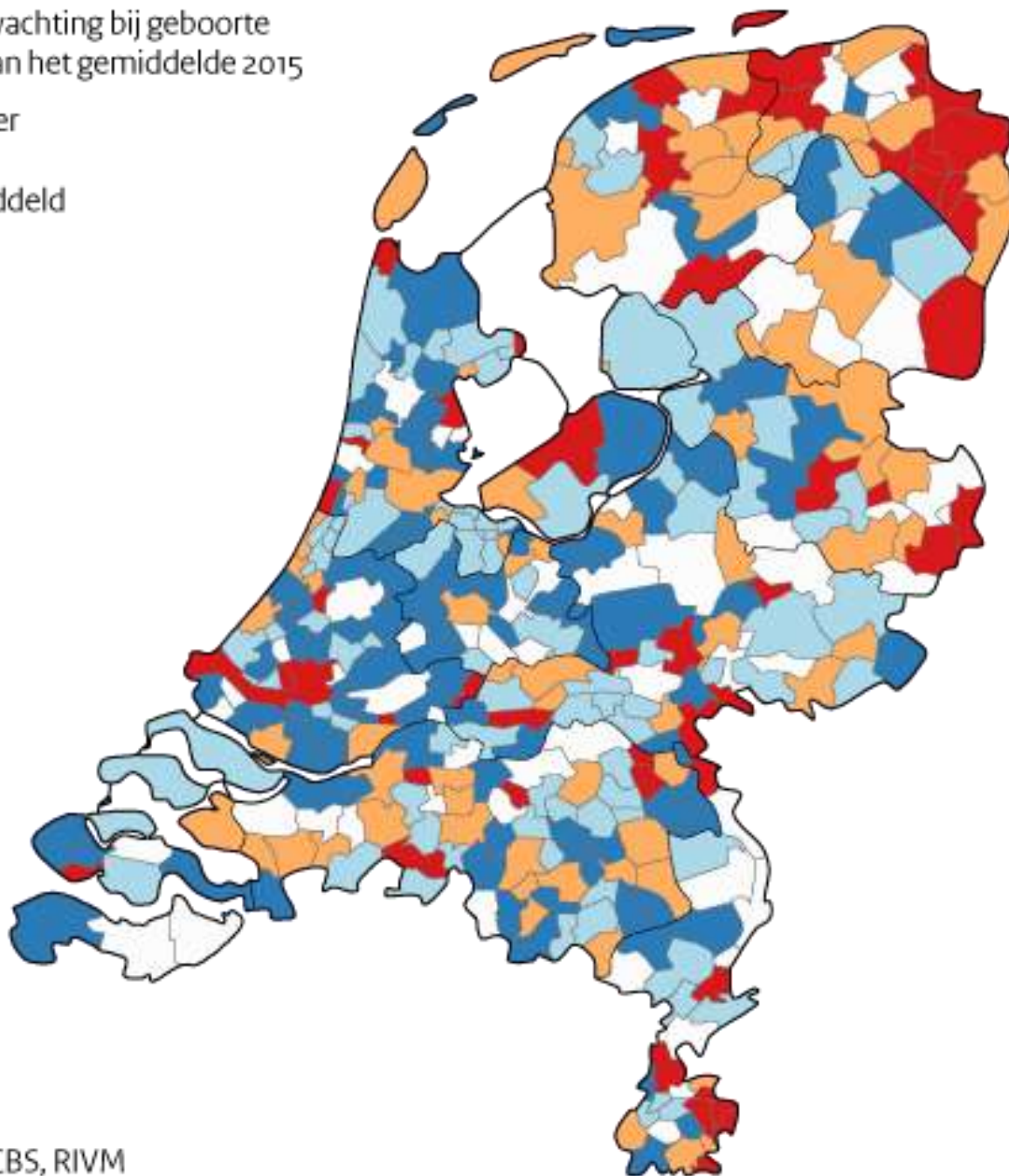
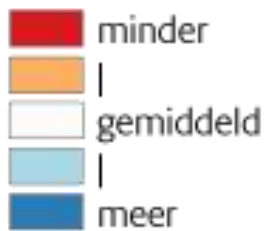
Eerste gen

0

190

061009

Levensverwachting bij geboorte
afwijking van het gemiddelde 2015



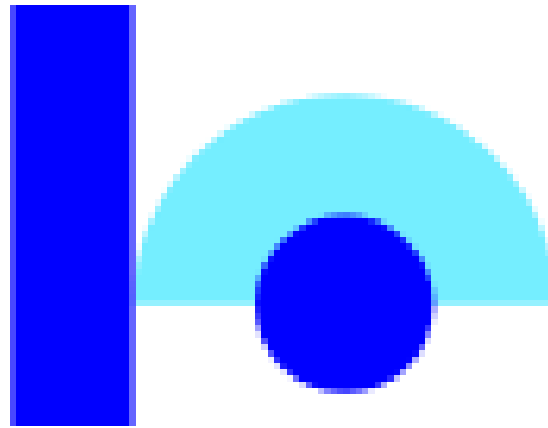
Bron: PBL/CBS, RIVM



S



Onderbouwing potentieel nut

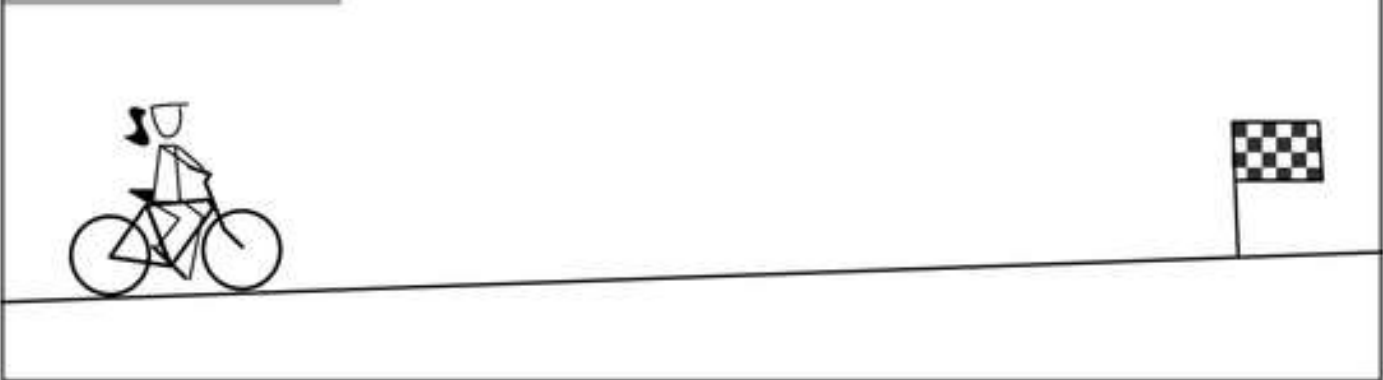


HEALTH
INNOVATION
NETHERLANDS

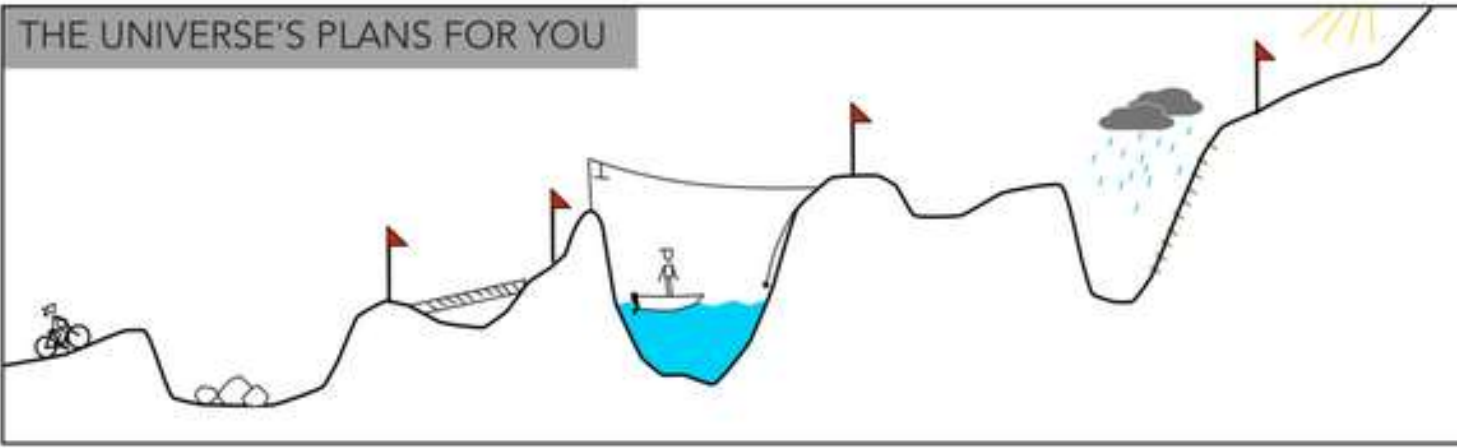
<https://www.healthinnovation.nl/>

<https://youtu.be/G9Hr9CID9e0>

YOUR "PLANS"



THE UNIVERSE'S PLANS FOR YOU



DOGHOUSE DIARIES

DREAMS

Don't

Work

Unless

YOU Do.

For on your nightstand

