# ne quest for nmortality

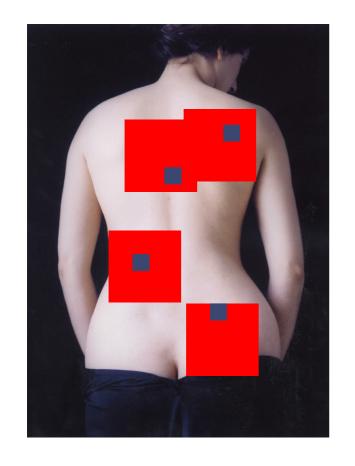
### di Westendorp

en University Medical Center en Academy on Vitality and Ageing



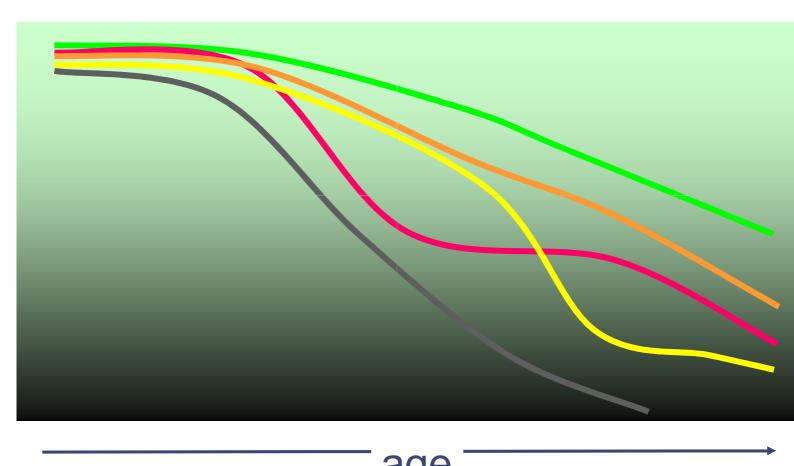


Leyden Academy

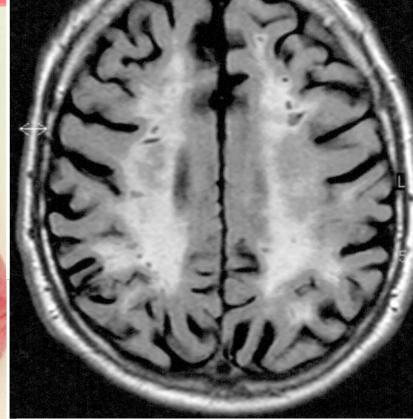


damage and rep

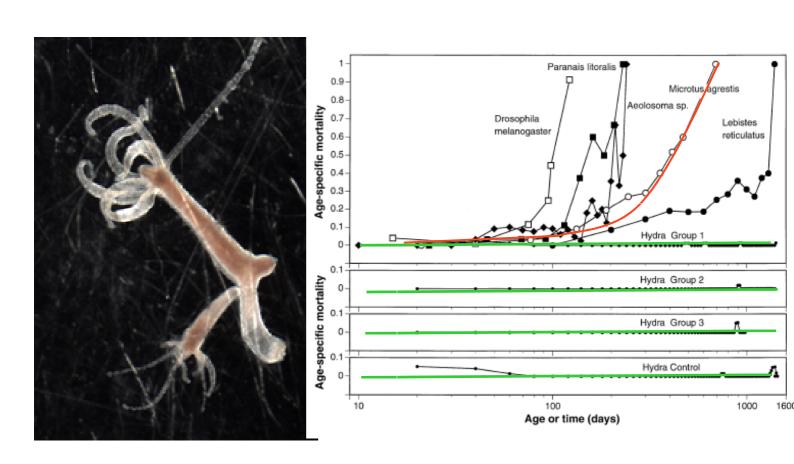
### strength, vision, cognition



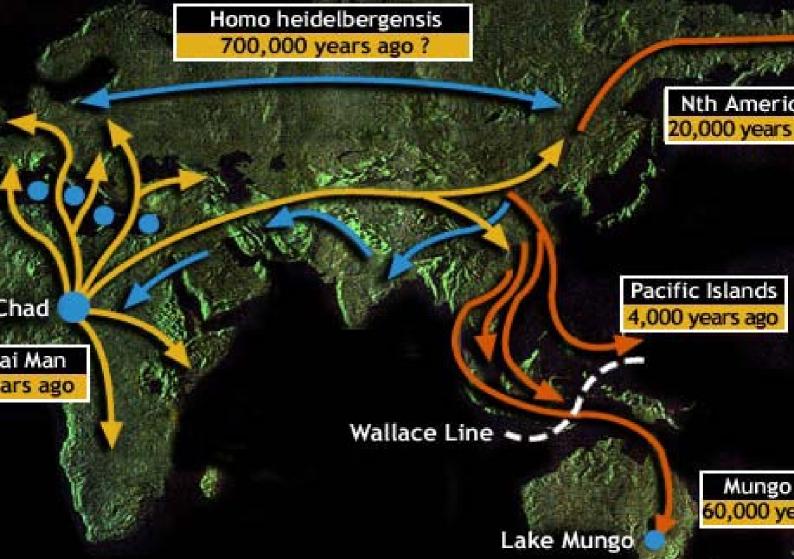




#### ageing is absent in riyura

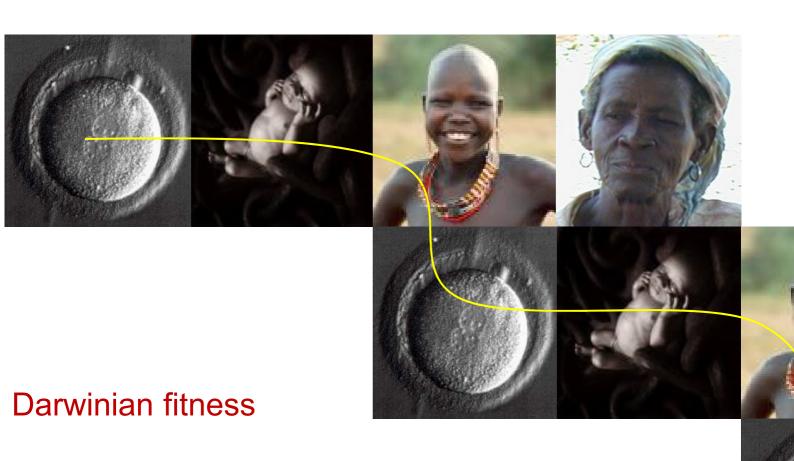


"It's easy to stay young and so hard to become immortal"



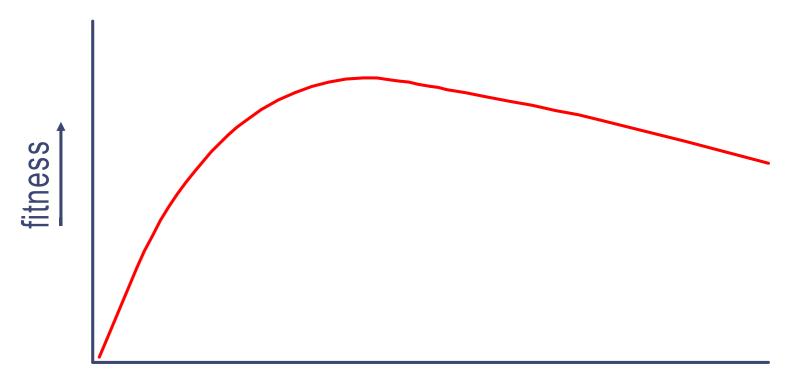


### original adverse environment



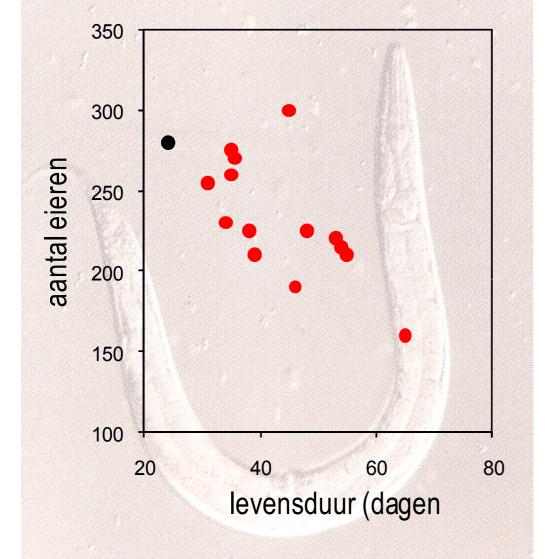
'the key to understand ageing is why our bodies accumulate damage and ultimately fail whereas our genes are maintained in successive generations'

### disposable soma theory



investments in damage and repair

### C. elegans



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### Breed early, die young

Wednesday, December 23, 1998 Published at 19:41 GMT



Breeding early could cut years off your life span aphics Help

Breed early and the chances are you will die young. Research just published in the science journal Nature suggests there is a trade-off between reproduction and

long life.

The association has already been shown in flies and now a study of the **BBC Science** Correspondent British aristocracy appears to indicate

Sue Nelson: the same is true in humans. Uncovering secrets of long Professor Thomas Kirkwood, from the life

#### Rising life expectancy strains health budgets

Exercise helps you live longer - official 28 May 98 | Latest News Left-handed people 'don't

### Internet Links

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25 Nov 98 | Health

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Relevant Stories

Nature

die young'

The Baronage Press The British Monarchy

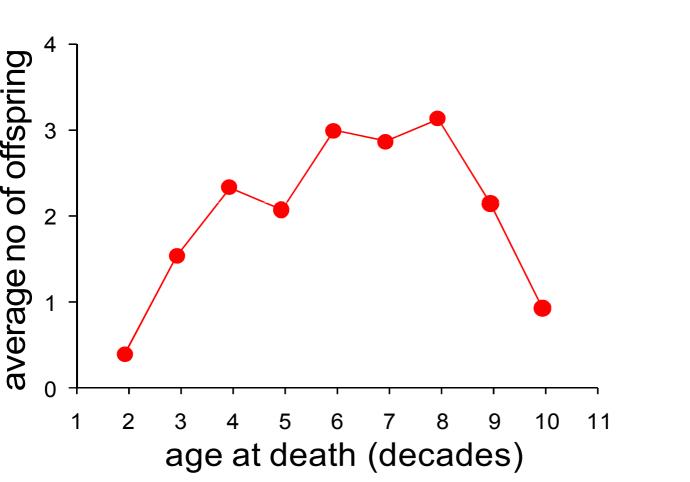
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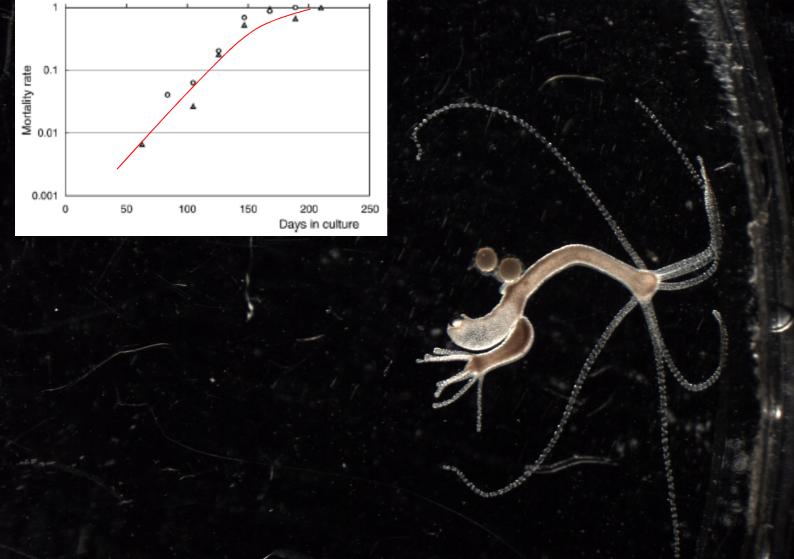


### In this section

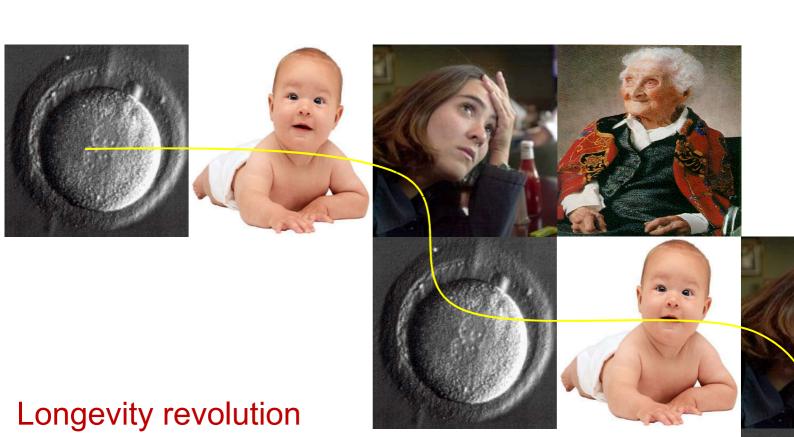
World's smallest transistor Scientists join forces to study Arctic ozone

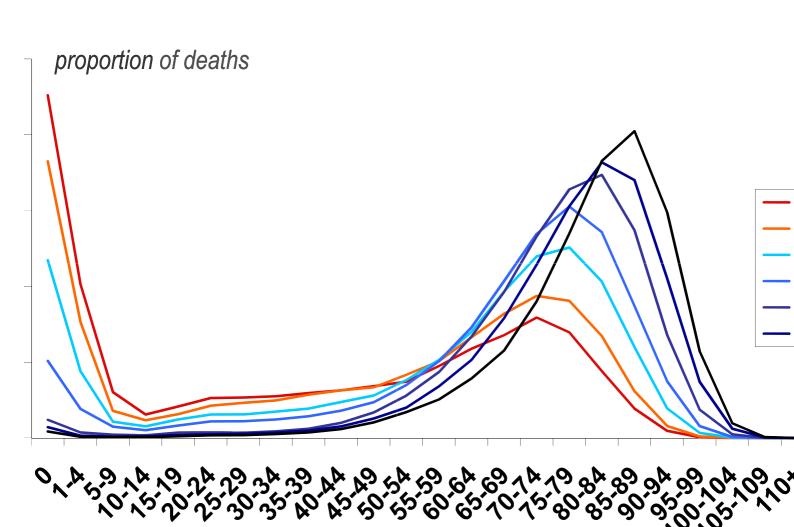
### trade-ons in anstocratic women





### nowadays affluent environmen





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e Joy of Stats



#### Help us cross the ri myths



Please read Hans Roslin personal appeal.





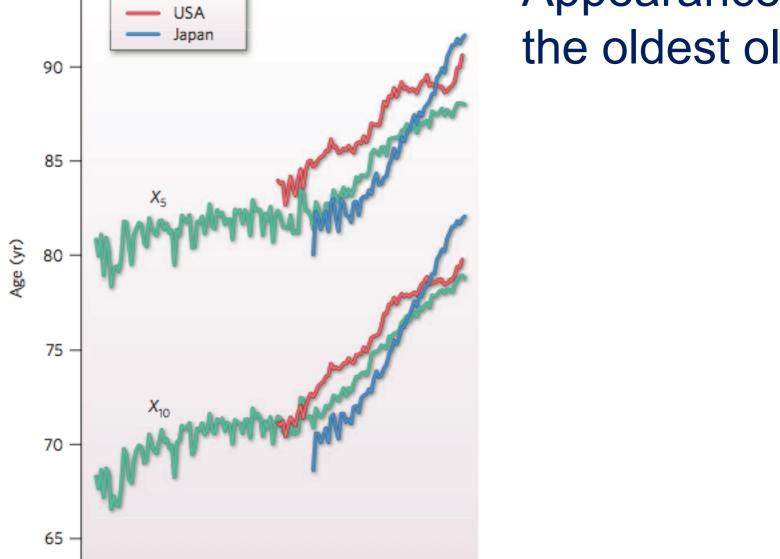




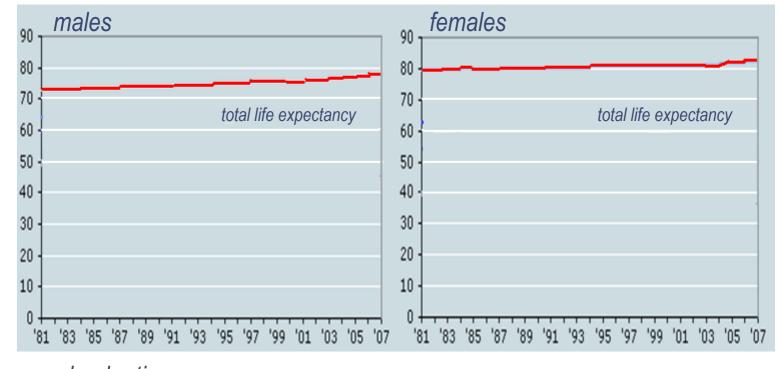


disappearance of child mortality Life expectancy in years decrease in old age mortality 

Year

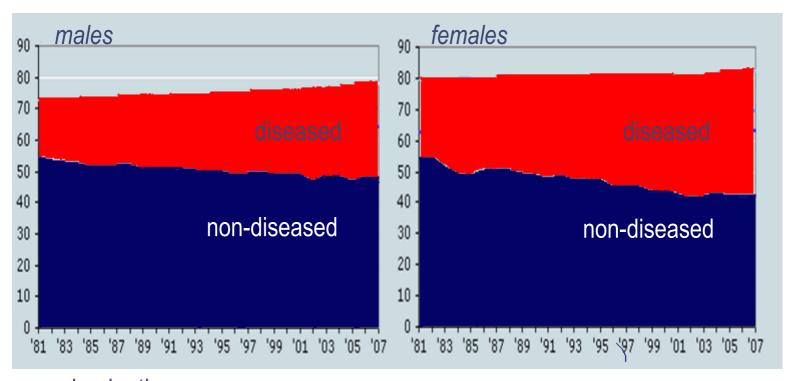


### Life expectancy over time



calendar time

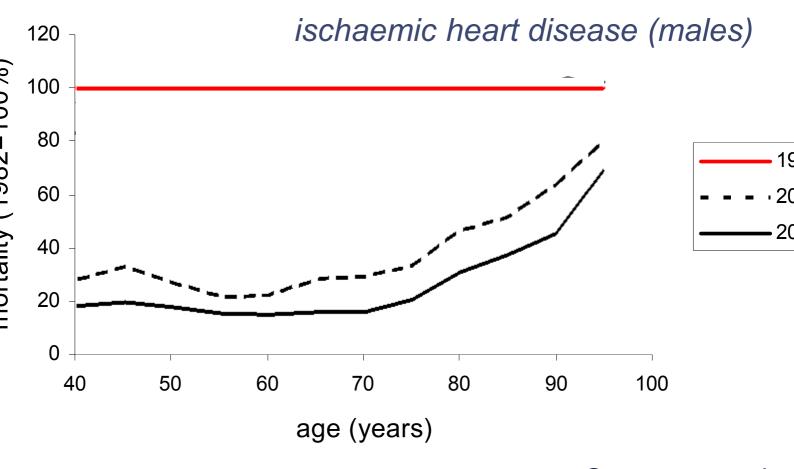
#### Discuse free the expectation over time



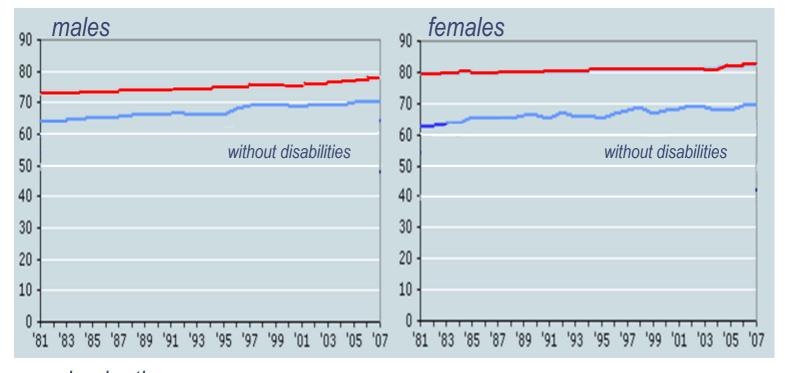
calendar time



## Decrease of mortality over time

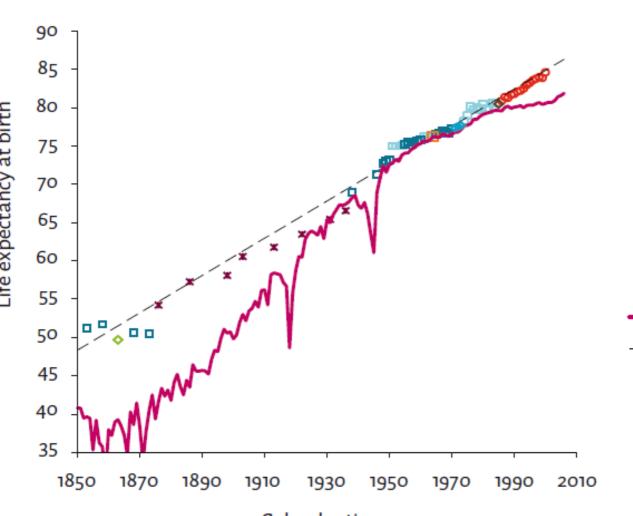


#### Healthy life expectancy over time



calendar time

### Development of the expectancy



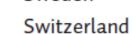


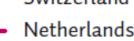
Australia





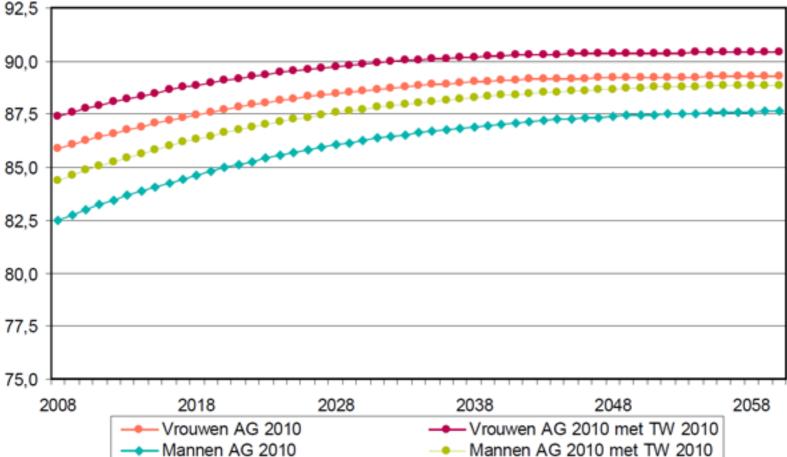






Lineair (Tren

# 



### How old do you get?

Germany

Netherlands

United States

United Kingdom

Italy

Japan

Oldest Age at which at least 50% of a birth cohort is still alive in countries

Country	Year							
-	2000	2001	2002	2003	2004	2005	2006	200
Canada	102	102	103	103	103	104	104	10
Denmark	99	99	100	100	101	101	101	10

Country	Tear							
	2000	2001	2002	2003	2004	2005	2006	200
Canada	102	102	103	103	103	104	104	10
Denmark	99	99	100	100	101	101	101	10
-	4.00	4	4	4	4	404	404	-

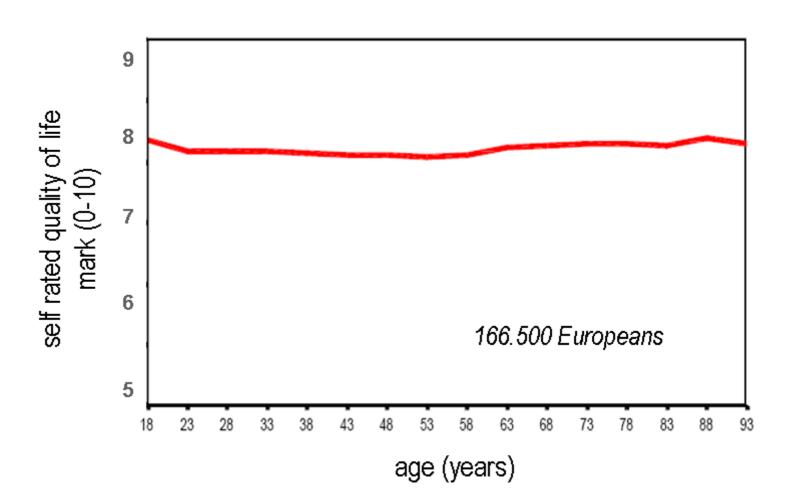
	2000	2001	2002	2003	2004	2005	2006	200
Canada	102	102	103	103	103	104	104	10
Denmark	99	99	100	100	101	101	101	10
France	102	102	103	103	103	104	104	10

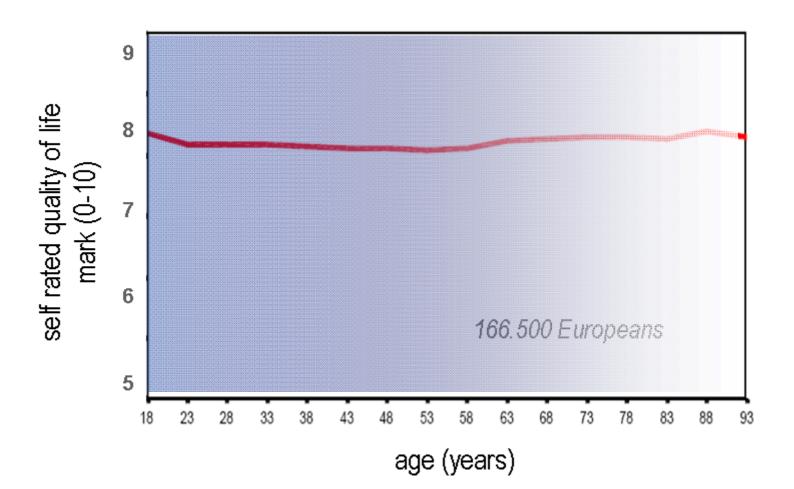
# Strategies for Engineered Negligible Senescence"

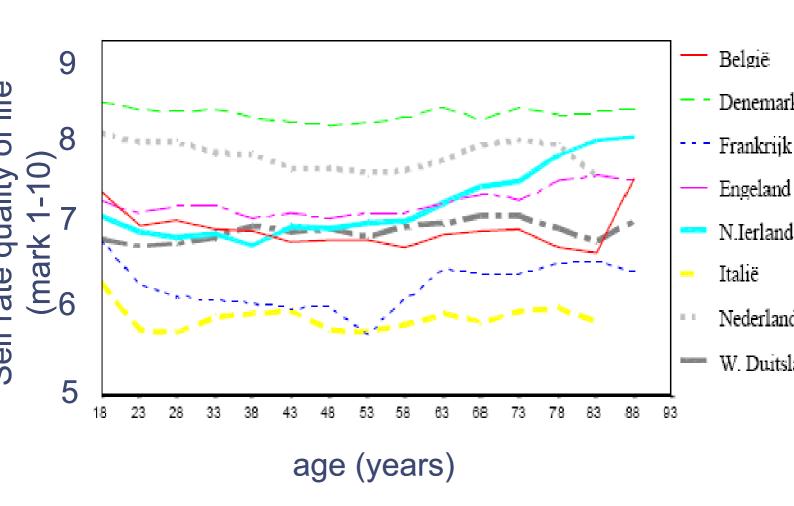


Aubrey de Grey, PhD

Chairman and Chief Science









. This will require a pow feet to an research to promote healthy ear