

# Occupational health services in Estonia – quo vadis?

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*Gulf of Finland*

Narva

Tallinn

Kohtla-Järve

**ESTONIA**

*Lake Peipsi*

Pärnu

Tartu

**RUSSIA**

*Gulf of Riga*

*Lake Pihkva*

**LATVIA**

0 50 100

Estonia - 1,3 million inhabitants

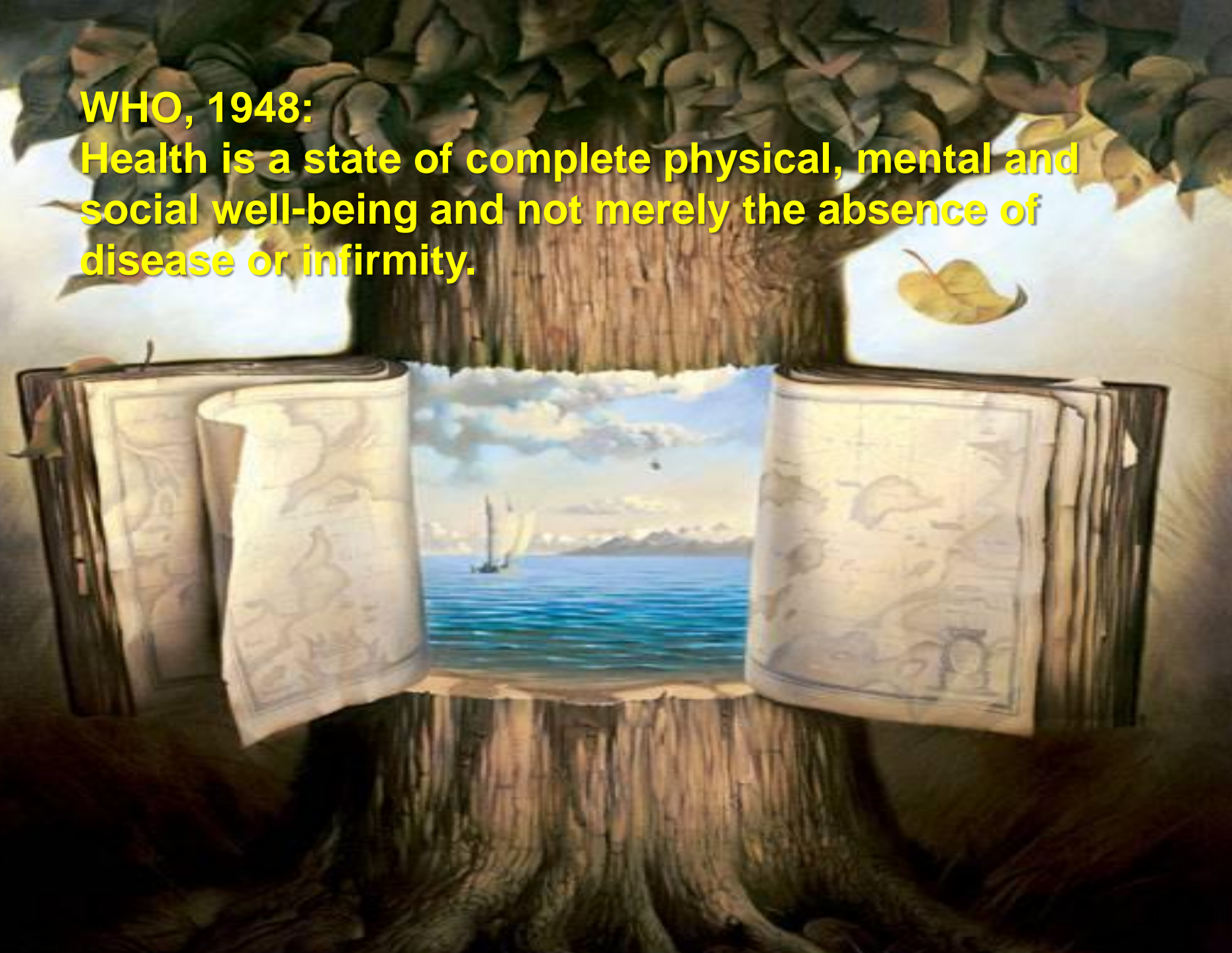
Estonia covers 45,227 km<sup>2</sup>

12,5% - the unemployment

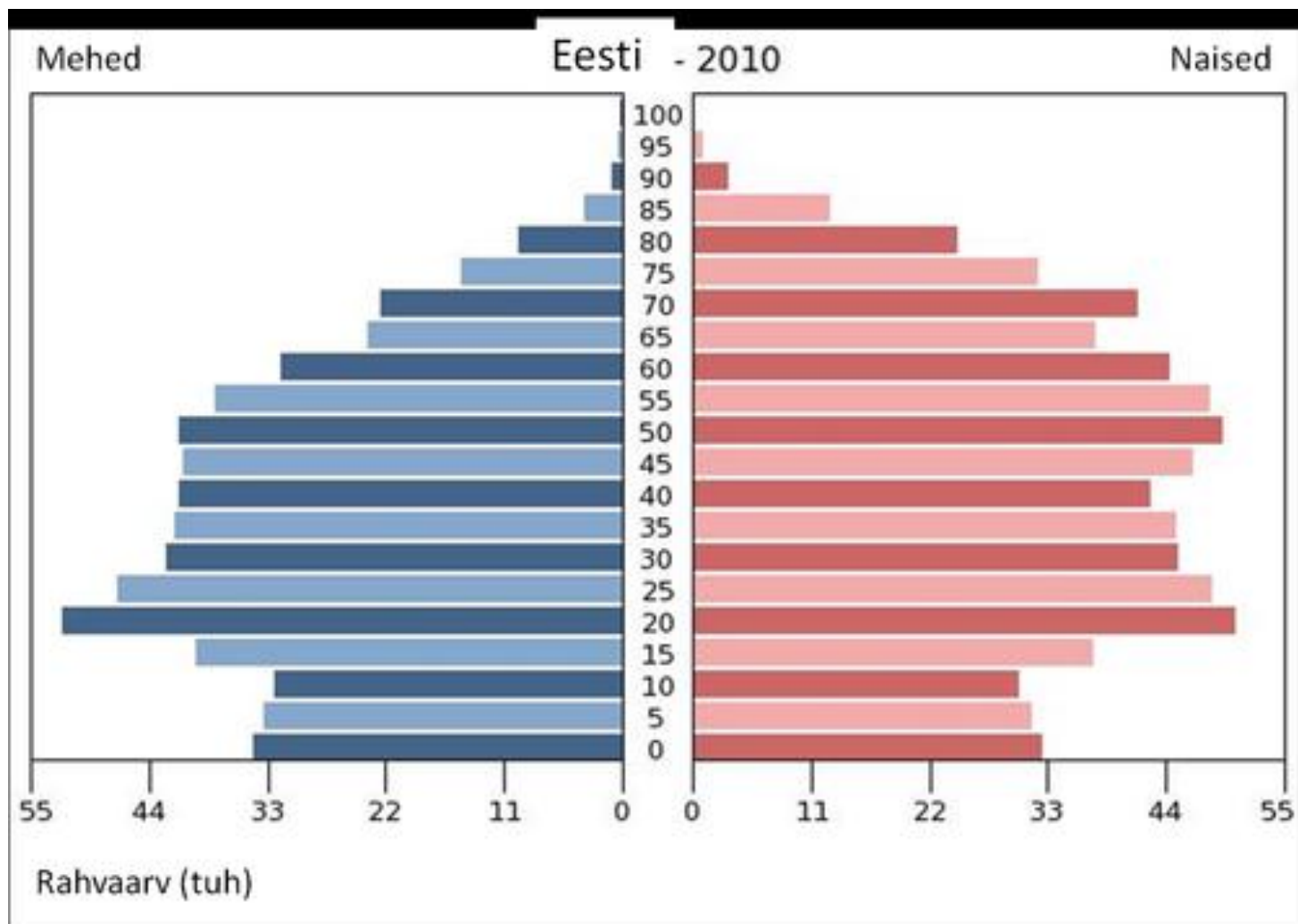


**WHO, 1948:**

**Health is a state of complete physical, mental and social well-being and not merely the absence of disease or infirmity.**



# Population pyramid, ESTONIA 2010

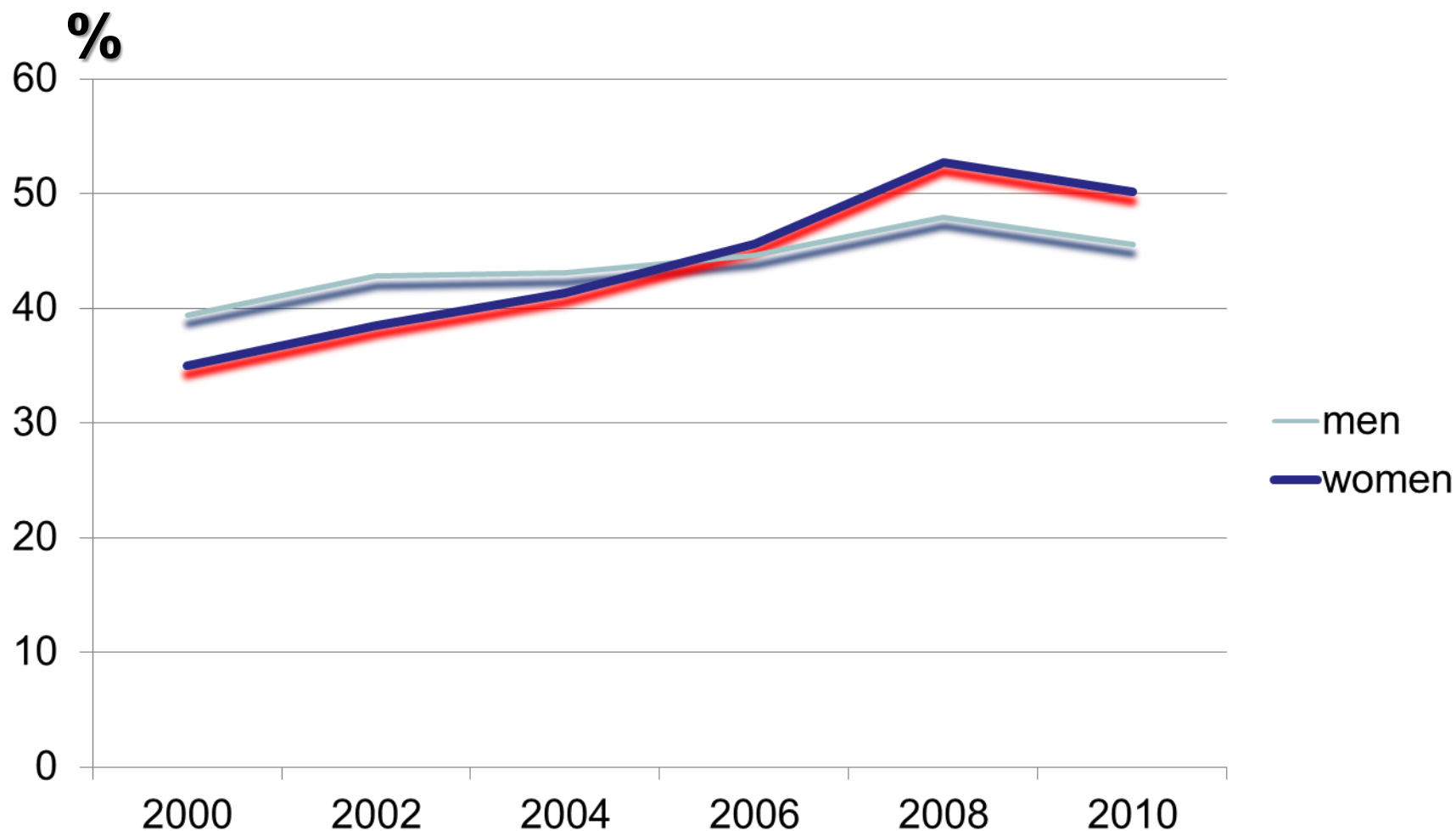




**Knowledge is the greatest privilege**

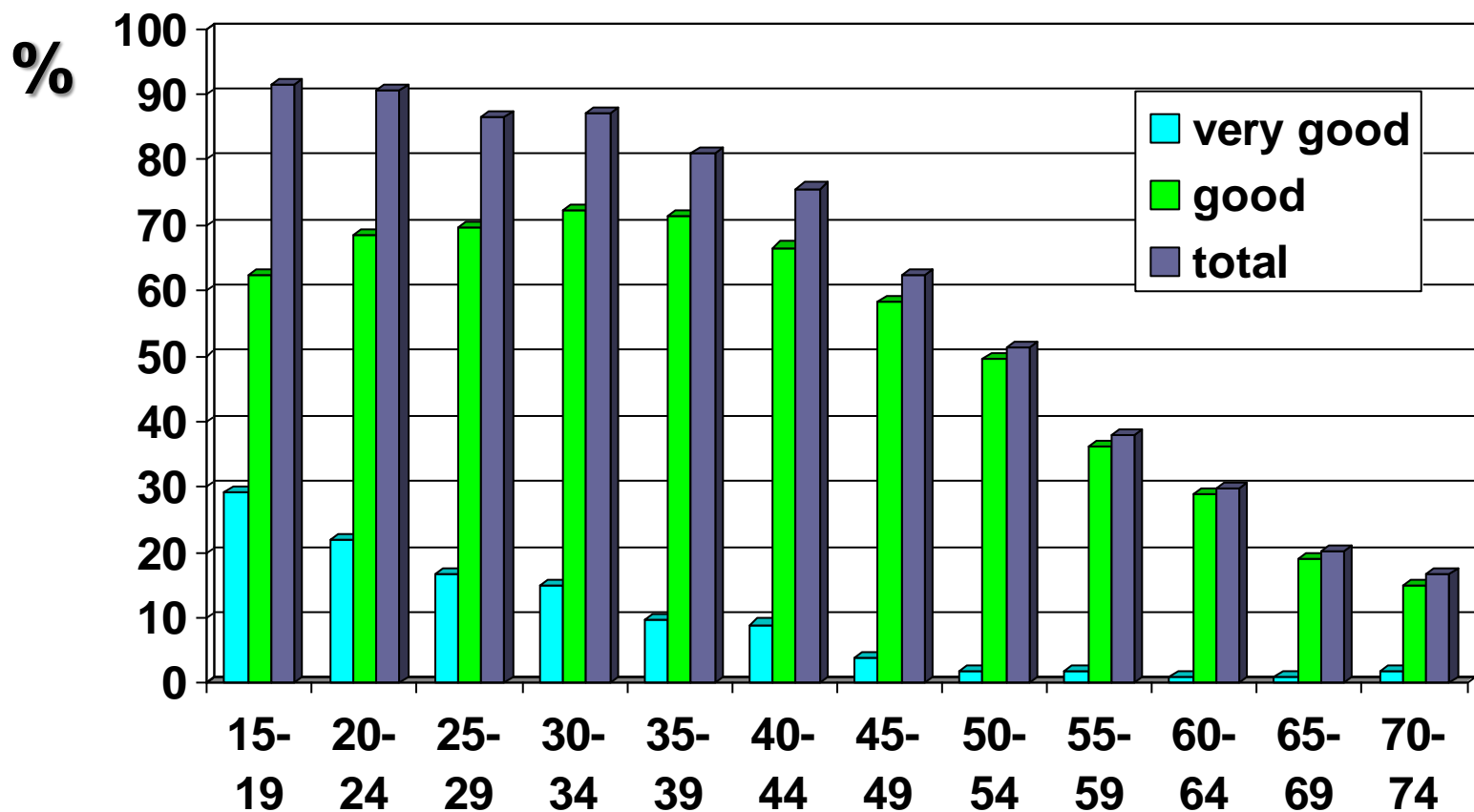
# 16-64-year-olds in good or very good health

Survey of Health Behavior, [www.tai.ee](http://www.tai.ee)



# „Good“ or „very good“ health by age groups

Statistics Estonia, 2011 [www.stat.ee](http://www.stat.ee)



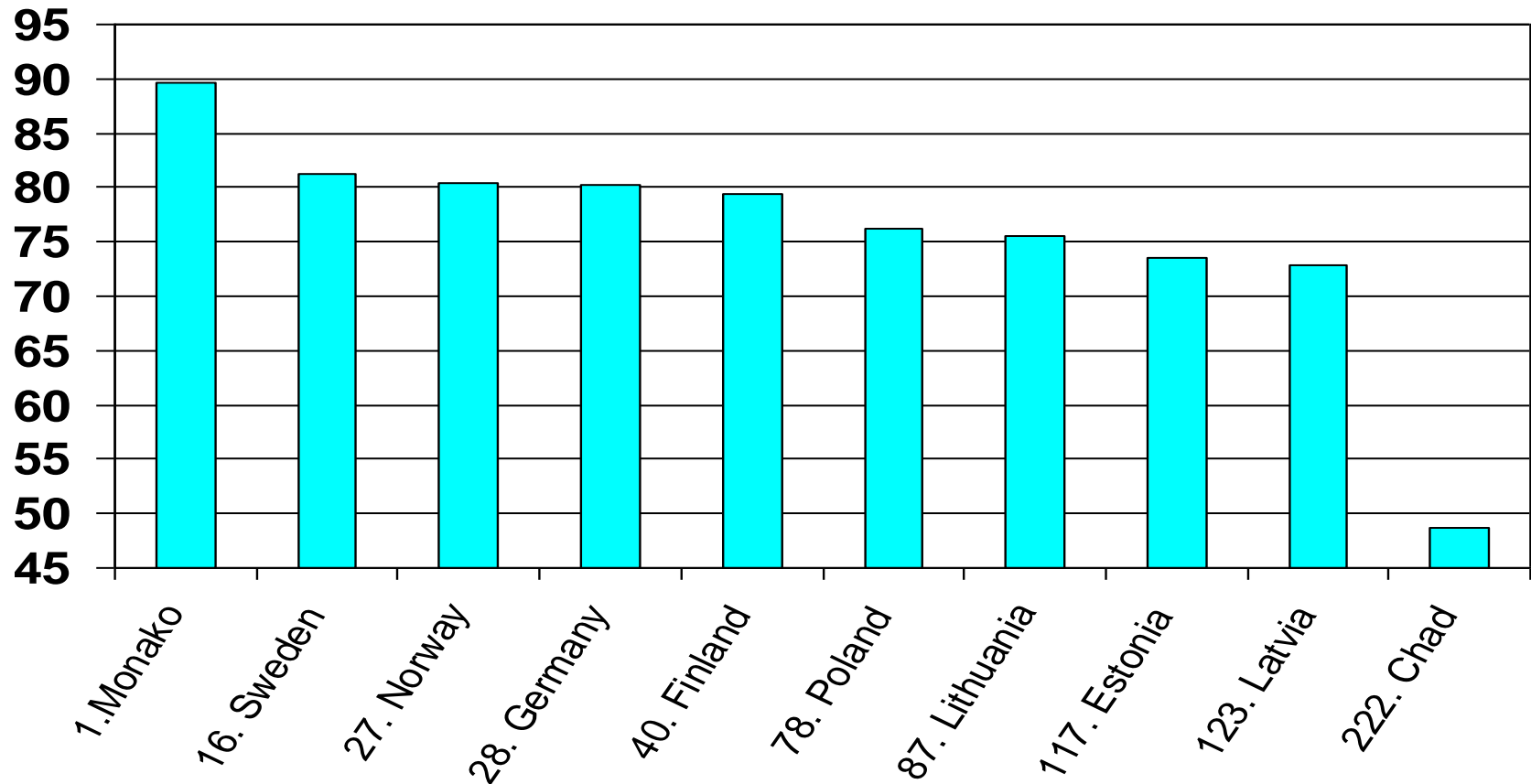
# Average life expectancy, 2012.

The World Factbook. Central Intelligence Agency

<b>1. Monaco – 89,68</b>	<b>117. Estonia – 73,58</b>
3. Japan – 83,91	
9. Australia - 81,90	
10. Italy – 81,86	
14. France – 81,46	
15. Spain – 81,27	
16. Sweden – 81,18	222. Chad – 49,11

# Life expectancy at birth 2012

The World Factbook. Central Intelligence Agency



# Life in full health, 2012.

The World Factbook. Central Intelligence Agency

	men	women
ESTONIA	54,1	58,1
SWEDEN	71,1	71,7

January 1st, 2011, there were 128 129 persons with permanent incapacity for work

Year	Number of new cases with primary permanent incapacity for work
2011	17 339
2010	16 804
2009	12 973
2008	11 856
2007	12 201
2006	12 034
2005	10 982
Source: Social Insurance Board	<a href="http://www.ensib.ee">www.ensib.ee</a>

In 2011:

17 339 new cases of permanent incapacity for work

127 cases of them were with occupational disease (0,7%)

Nearly 10% of inhabitants are with permanent incapacity for work

Data source: The Social Insurance Board [www.ensib.ee](http://www.ensib.ee)

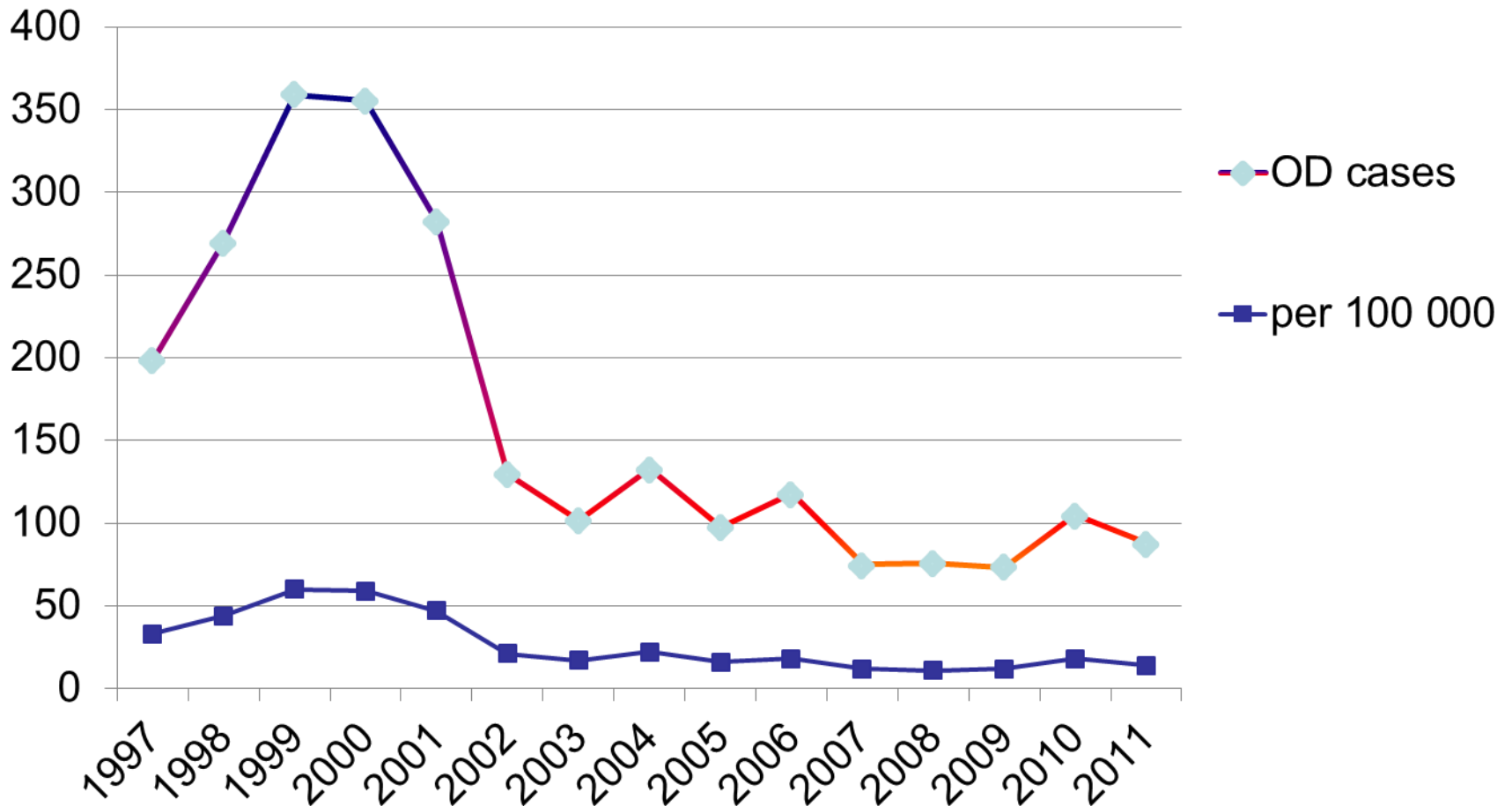


# Estonian Social Insurance Fund, 2011

Causes of primary permanent incapacity for work:

- 25% musculoskeletal disorders (n=4372)
- 16% cardiovascular disorders (n=2711)
- 15% mental and behavioral disorders (n=2543)
- 8% injuries, poisoning and other external causes (n=1440)
- 7% cancers (n=1239)

# Occupational diseases 1997-2011



**OD in Estonia 14 cases per 100 000 employees**

An iceberg floating in the ocean. The tip of the iceberg, which is above the water line, is relatively small and jagged. The much larger part of the iceberg is submerged below the water line, illustrating the concept that occupational diseases are often underreported or underdiagnosed.

**Finland – 227 per 100 000 employees**

**Sweden – 349**

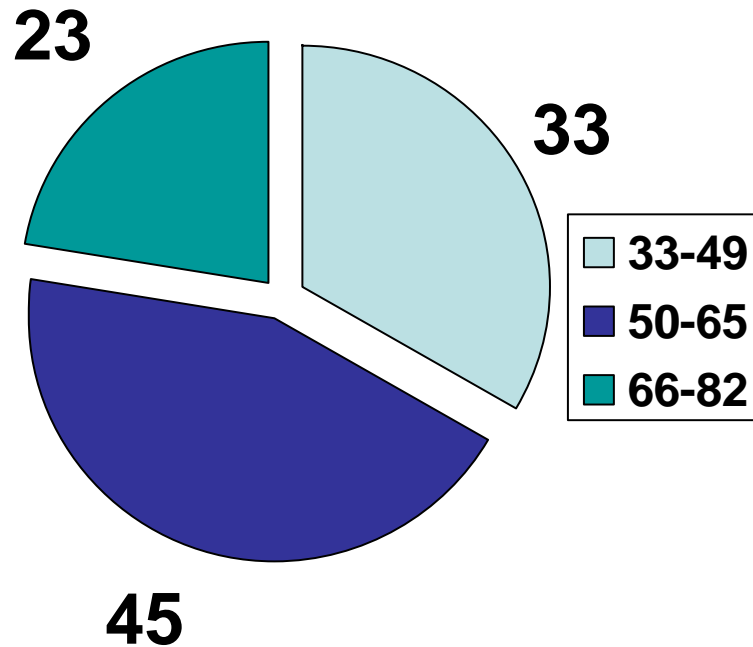
**France – 401**

**Denmark – 626 per 100 000 employees**

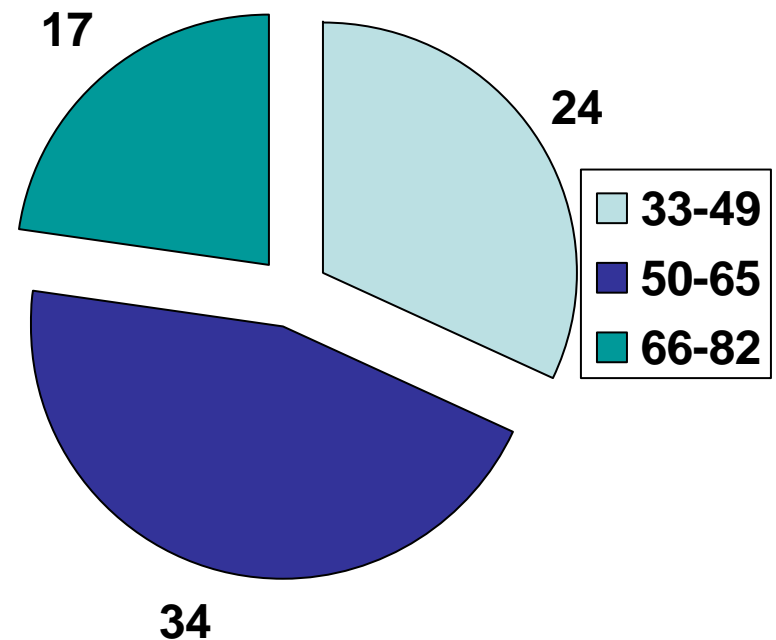
# Occupational health services

- 105 occupational health physicians
- 32 non-medical occupational health service providers:
  1. work hygienists
  2. ergonomists
  3. work psychologists

In 2011, in Health Board were registered 102 occupational physicians, of them 75 were working in Estonia



75 physicians, by age group





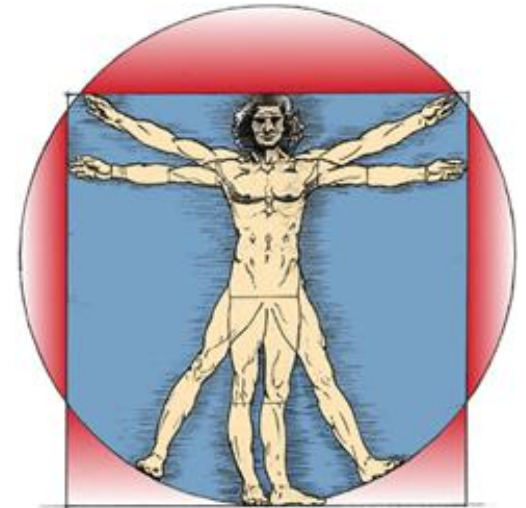
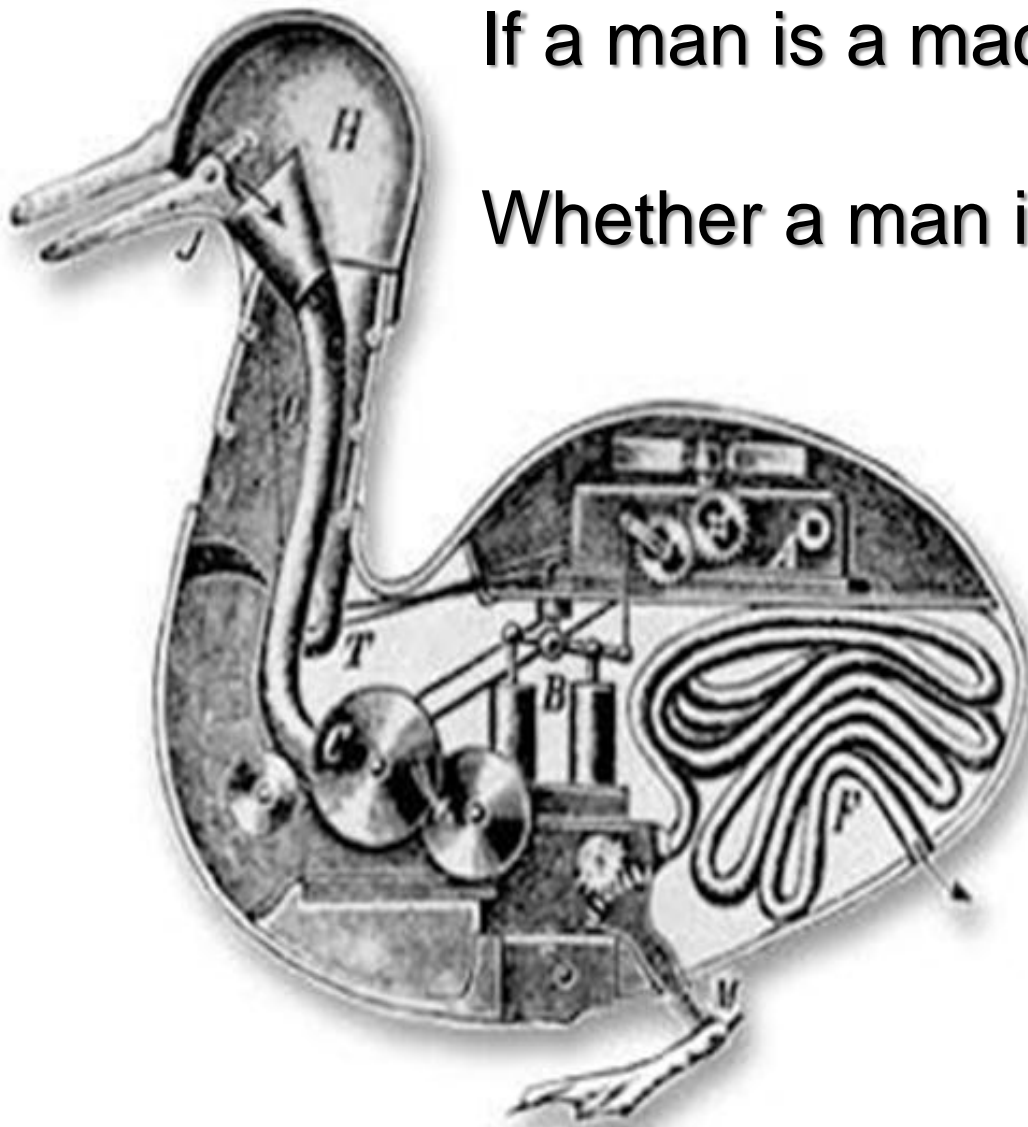
# René Descartes

11.03.1596 – 11.2.1650

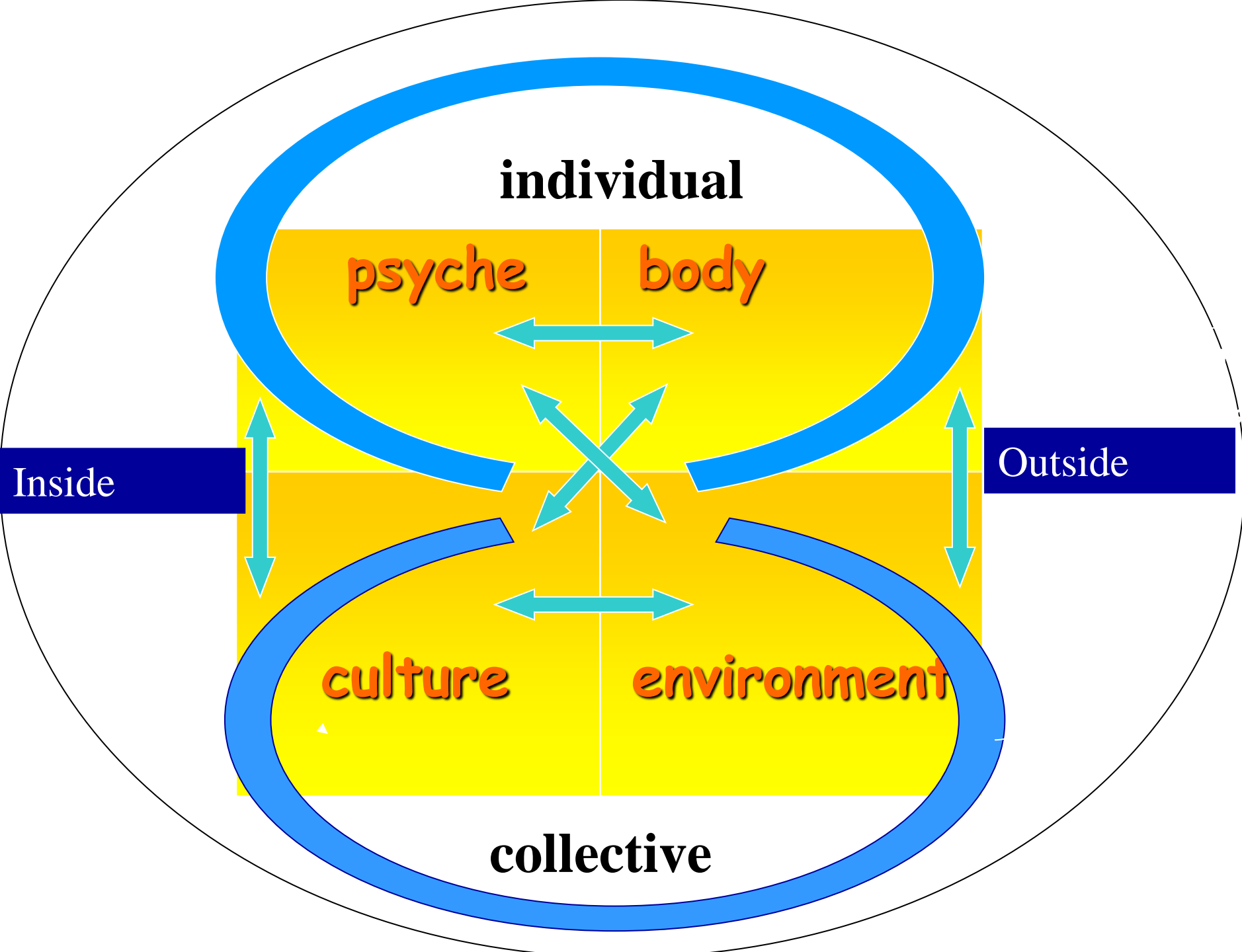


If a man is a machine?

Whether a man is free from errors?



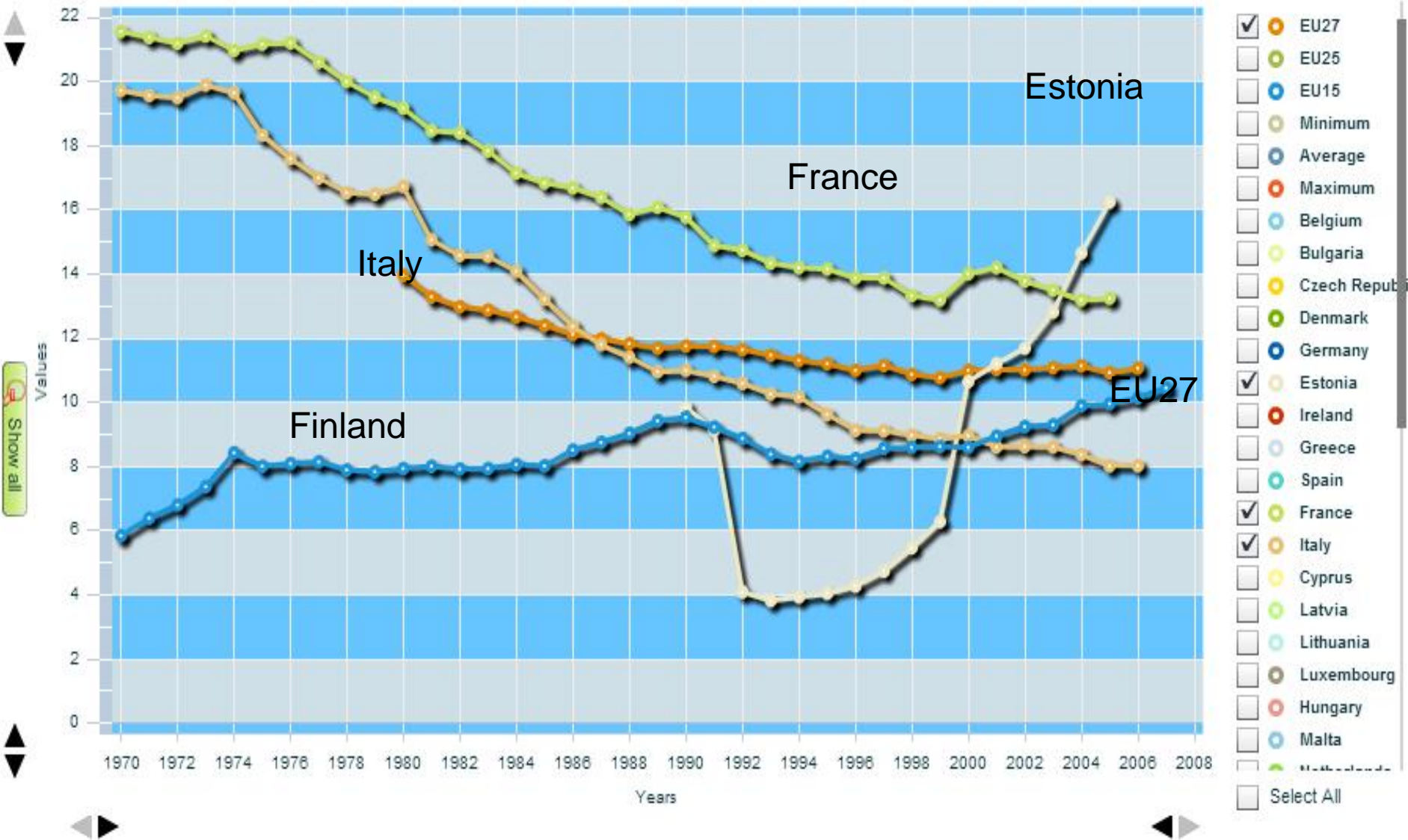




# Syndrome of a boiled frog



Pure alcohol consumed, litres per capita, 15 years and over, time series of 38 years



**Knowledge is the greatest privilege**



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the greatest  
privilege**





**THANK YOU FOR YOUR ATTENTION!**