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Lifetime in various health states among the oldest-old in Denmark

Henrik Brønnum-Hansen Inge Petersen Bernard Jeune Kaare Christensen

National Institute of Public Health

University of Southern Denmark



Purpose

To quantify the average lifetime according to health status among the oldest-old in Denmark.



Data

Survivors of the 1905 Danish birth cohort. 2259 participants (63% of all survivors) were interviewed in 1998 and re-assessed in 2000, 2003 and 2005.



Self-rated health

Question:

'How would you rate your health in general?'

Answer categories:

'very good', 'good', 'fair', 'poor', 'very poor' grouped into:

'good', 'fair' and 'poor'



Physically independent If she did not require assistance to

- get up from a chair or a bed
- walk around in the house
- go to the toilet

If a person was too weak to participate, a proxy was asked to assist



Cognitive function Measured by the Mini-Mental State Examination Scale 0-30 Score > 22: cognitively intact

If a person was too weak to participate, a proxy was asked to assist



Physical and cognitive functioning

Estimated as

Physical independence without

cognitive impairment

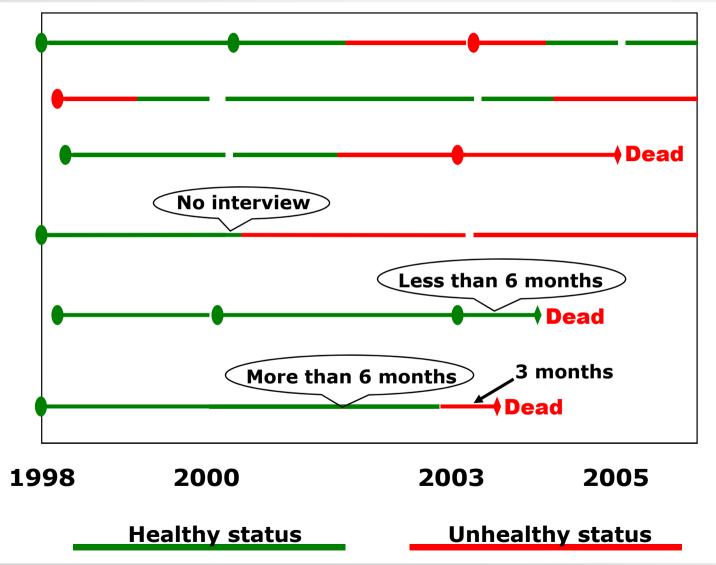


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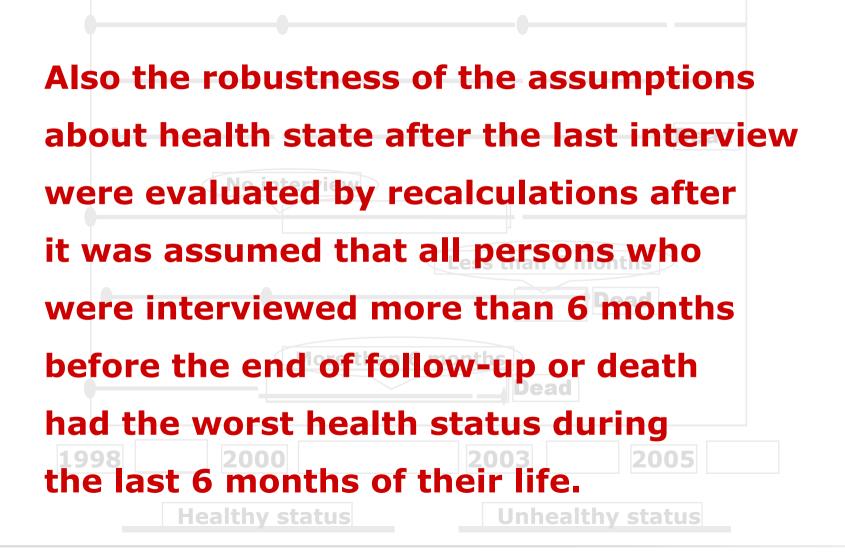
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Results

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The Danish 1905 cohort 3600 alive in 1998

2259 (62.8%) participated

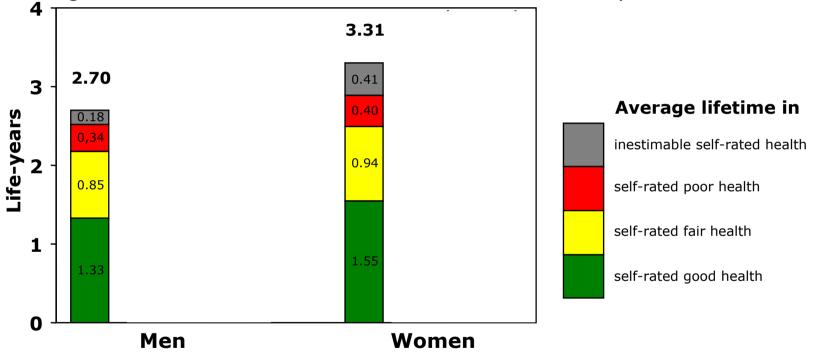
at the first interview 1998 (age 92-93)

199 (8.8%) were still alive

on 1 January 2006 (age 100)

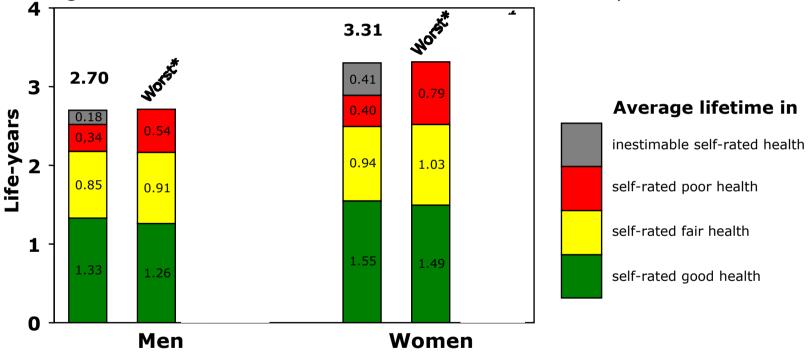


Average lifetime in self-rated good, fair and poor health between ages 92 and 100 for Danes born in 1905 and followed up until 2006





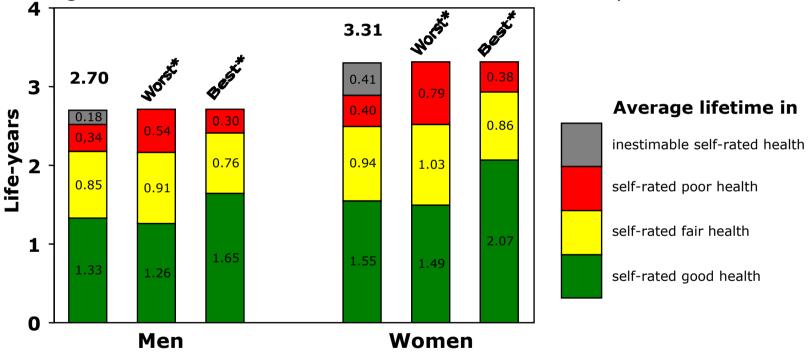
Average lifetime in self-rated good, fair and poor health between ages 92 and 100 for Danes born in 1905 and followed up until 2006



* Estimated by replacing missing values for a person by the worst reported health at the other interviews for that person.



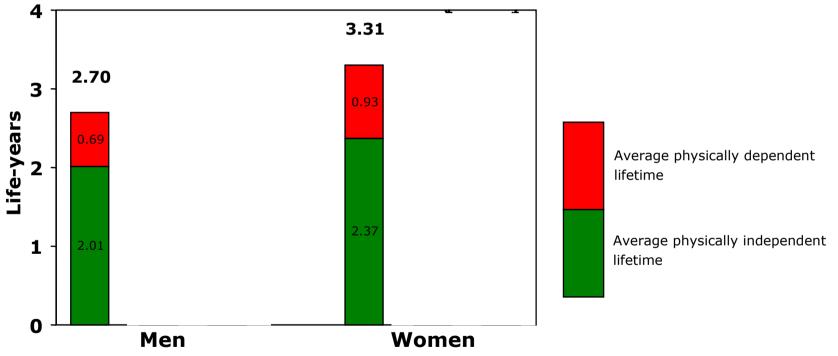
Average lifetime in self-rated good, fair and poor health between ages 92 and 100 for Danes born in 1905 and followed up until 2006



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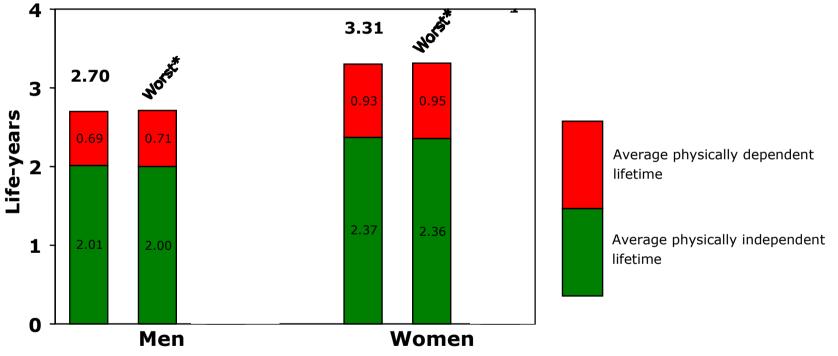


Average lifetime in physical independence and dependence between ages 92 and 100 for Danes born in 1905 and followed up until 2006





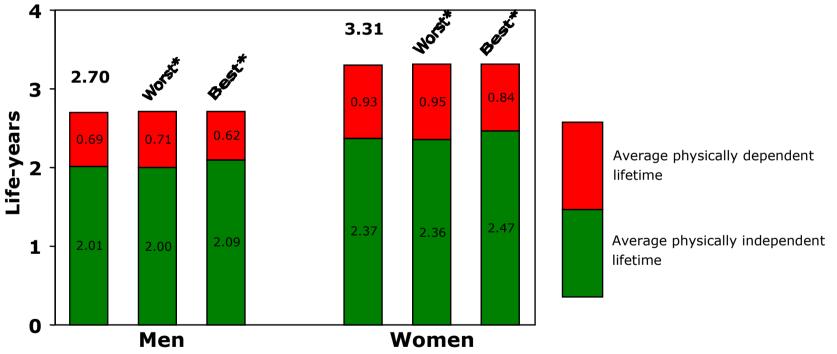
Average lifetime in physical independence and dependence between ages 92 and 100 for Danes born in 1905 and followed up until 2006



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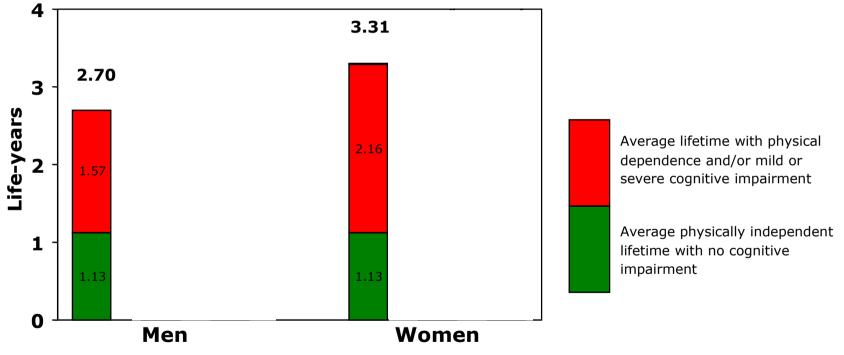
Average lifetime in physical independence and dependence between ages 92 and 100 for Danes born in 1905 and followed up until 2006



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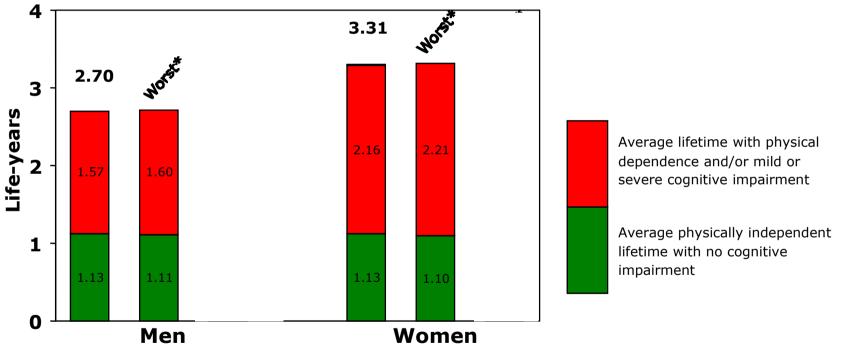


Average lifetime by physical and cognitive functioning between ages 92 and 100 for Danes born in 1905 and followed up until 2006





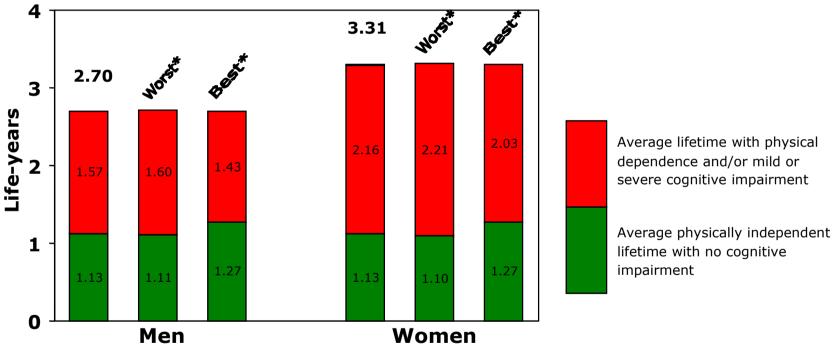
Average lifetime by physical and cognitive functioning between ages 92 and 100 for Danes born in 1905 and followed up until 2006



* Estimated by replacing missing values for a person by the worst reported health at the other interviews for that person.



Average lifetime by physical and cognitive functioning between ages 92 and 100 for Danes born in 1905 and followed up until 2006



* Estimated by replacing missing values for a person by the best and worst reported health at the other interviews for that person.



Conclusion

The average lifetime between ages 92 and 100 was about 3 years, of which

- 50% in self-rated good health
- 75% in a state of physical independence
- 33% (at least) in a state of physical independence without cognitive impairment

Healthy ageing?

Thank you!

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