MEN: Good Health and High Mortality
Female advantage in life expectancy at birth in 2004

- Russia**: 13.4
- France**: 7.1
- Brazil*: 7.0
- Japan**: 6.9
- Spain**: 6.7
- USA**: 5.1
- Cuba*: 5.0
- Denmark**: 4.7
- Morocco*: 4.0
- Bangladesh*: 1.0

* indicates lower life expectancy for males, ** indicates lower life expectancy for females.
Life Expectancy in Denmark 1845-2005

Juel & Christensen 2007
Mortality Age 80-99 Years
<table>
<thead>
<tr>
<th>Calendar year</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>1970</td>
<td>100</td>
</tr>
<tr>
<td>1980</td>
<td>200</td>
</tr>
<tr>
<td>1990</td>
<td>300</td>
</tr>
<tr>
<td>2000</td>
<td>400</td>
</tr>
<tr>
<td>2010</td>
<td>500</td>
</tr>
</tbody>
</table>

**Number of Danish centenarians 1970-2008**

- **Females**
- **Males**
Male Excess Mortality
Male Excess Mortality

Women who seek to be equal with men lack ambition

Timothy Leary (1920-1996)
Health – Grip Strength

- Correlates with other performance measurements
- Predicts disabilities, morbidity and mortality
Grip Strength

\[ \bar{T} = 95\% \text{ CI} \]

Frederiksen et al, 2006
Male Excess Mortality

- Good Health
- High Mortality
Male Excess Mortality

Behavioral?

Biological?
Male Excess Mortality

Men’s own fault?
Are males seeking medical help too late?

- **Trivial diseases** – big reaction
- **Serious diseases** – little reaction
Slightly sick male
Seriously sick male
Case stories

- Very intelligent men
- Make the correct diagnosis
- Don’t seek treatment
Are males seeking health care too late?

Denmark 2005

All contacts to GPs: 34.8 Mio
All somatic hospitalizations: 1.2 Mio

Juel & Christensen 2008
Male health

Juel & Christensen 2008
The Health-Survival Paradox

Impact of:
Selection bias (sick men underrepresented?)
Information bias (sick men underreport?)

Oksuzyan et al, 2008
Registered and reported all-cause medications

Oksuzyan et al, 2008
Accuracy of reporting

- 45-49 years
- 50-54 years
- 55-59 years
- 60-69 years
- 70-74 years
- 75-79 years
- 80-84 years
- 85+ years
- 92-93 years

No. of registered medications

Oksuzyan et al, 2008
Risk behavior

A male strength or weakness?
Male-female differences in survival

Females back two horses
- genetically
Male at the GP
Male at the GP

My wife sent me!
MEN:

Falling behind

- Biological barriers
- Behavioral barriers
- Cultural barriers
MEN:

Falling behind

- Biological barriers
- Behavioral barriers
- Cultural barriers

Reactions to men’s disease