

Country Presentation

The Case of the Czech Republic



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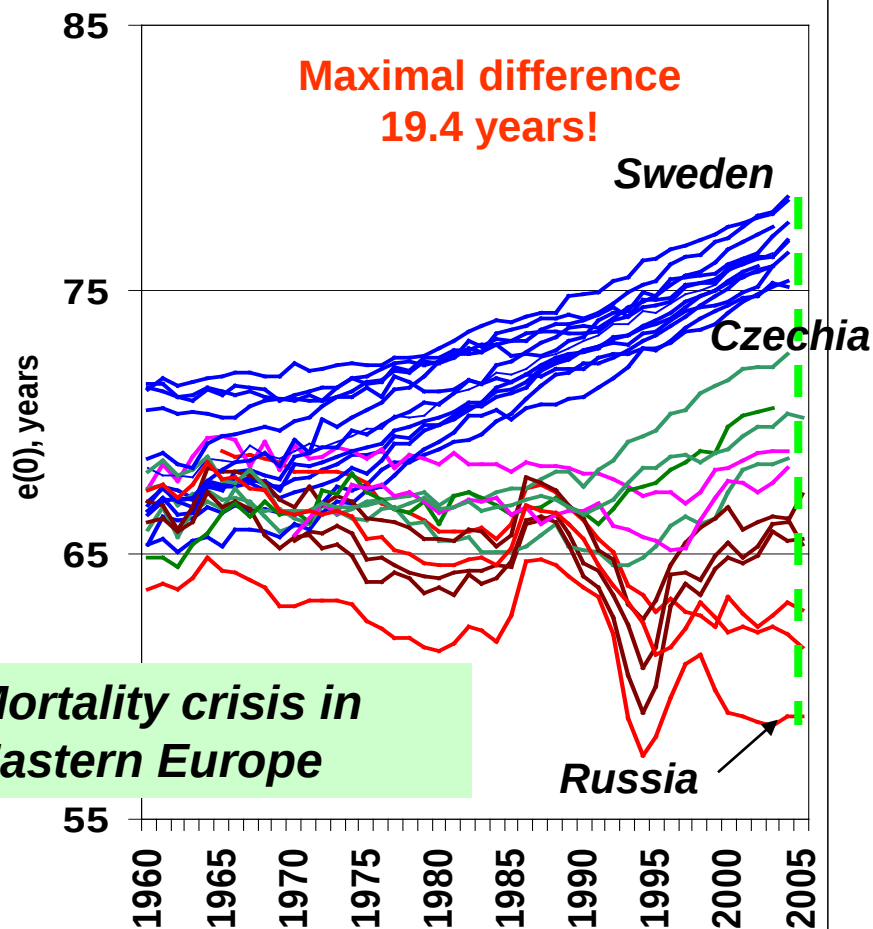
**Analysis of Social Determinant of Health and Health
Inequalities**

**A multi-country event on approaches and policy
October 12-17, 2009, Kosice, Slovakia**

Global health trends: observations and explanations

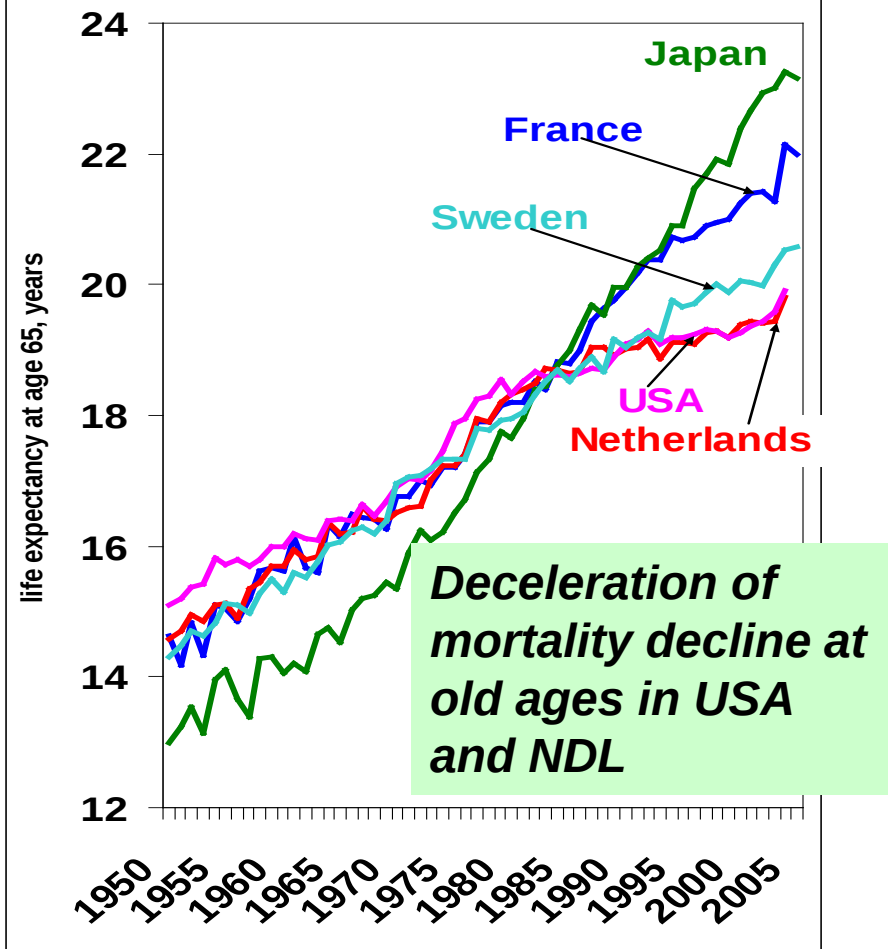
From convergence to divergence?

Male life expectancy at birth in
25 European countries, 1960-2005



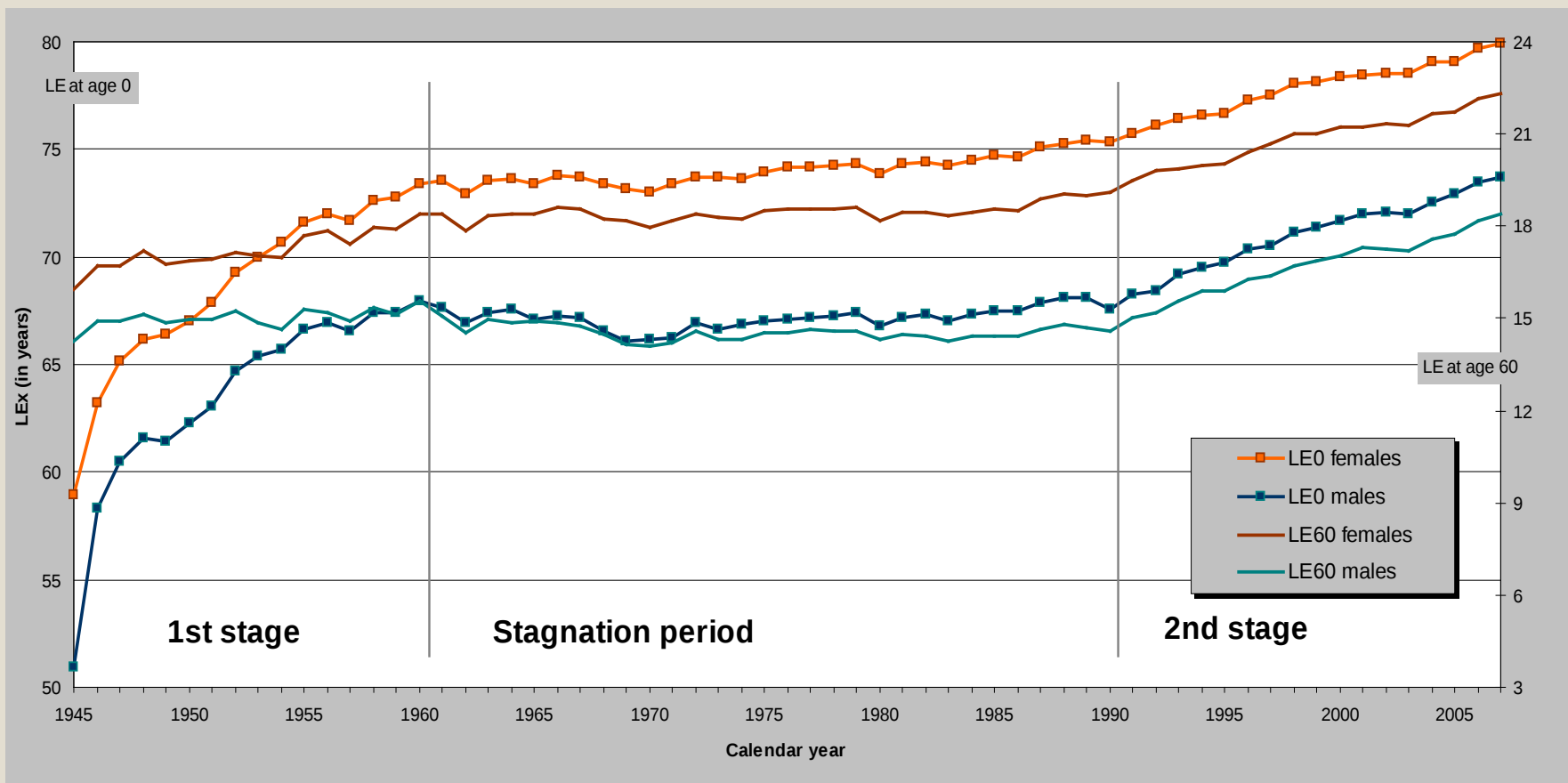
Source: Human Mortality Database, 2007

Female life expectancy at age 65 in
selected Western countries, 1950-2005



Source: Meslé & Vallin, 2006.

Trends in LE_0 and LE_{60} , Czechia

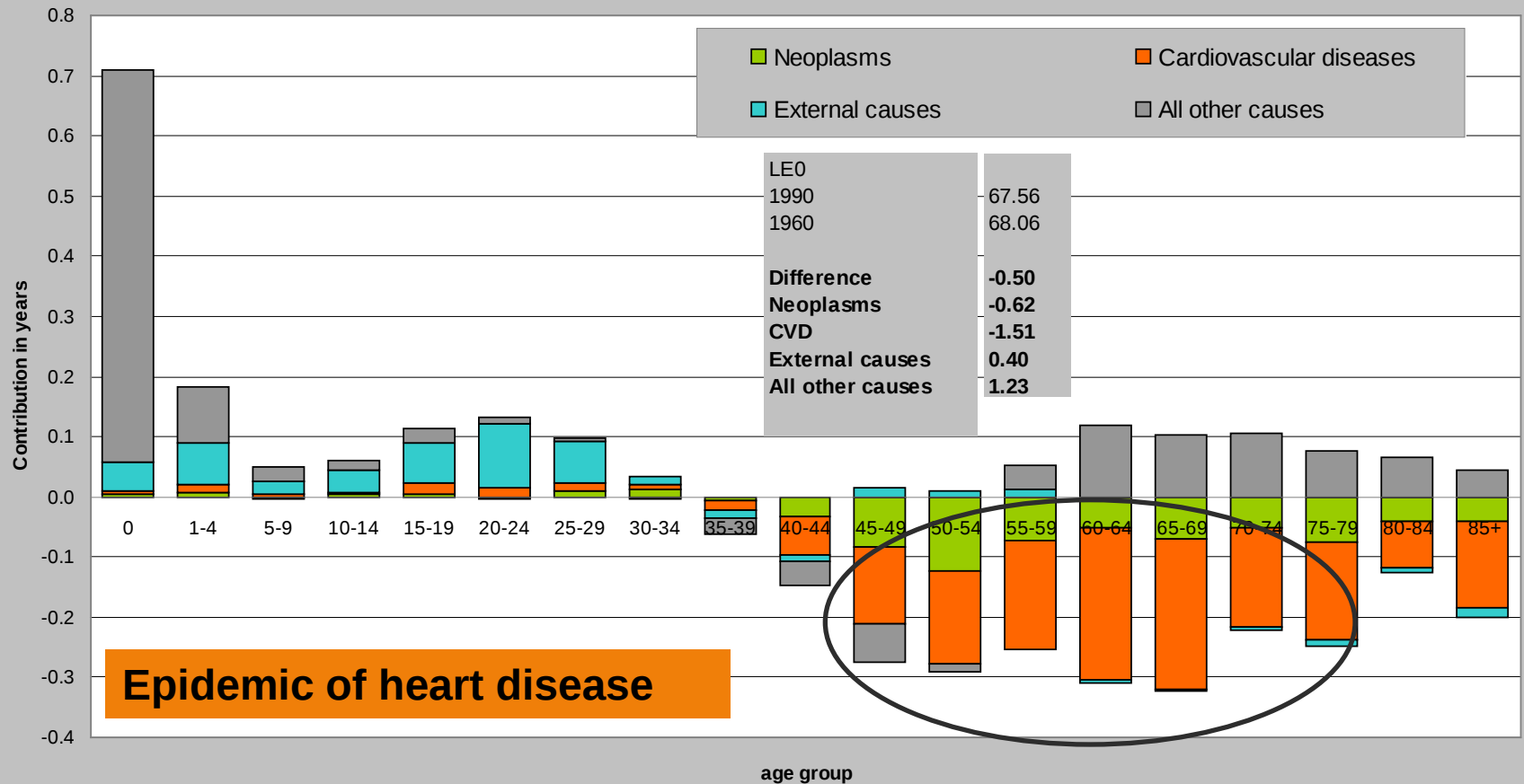


**Reduction of
infectious disease**

**Cardiovascular
revolution**

Source: CZSO

The contribution of selected groups of death to overall changes in LE_0 , males

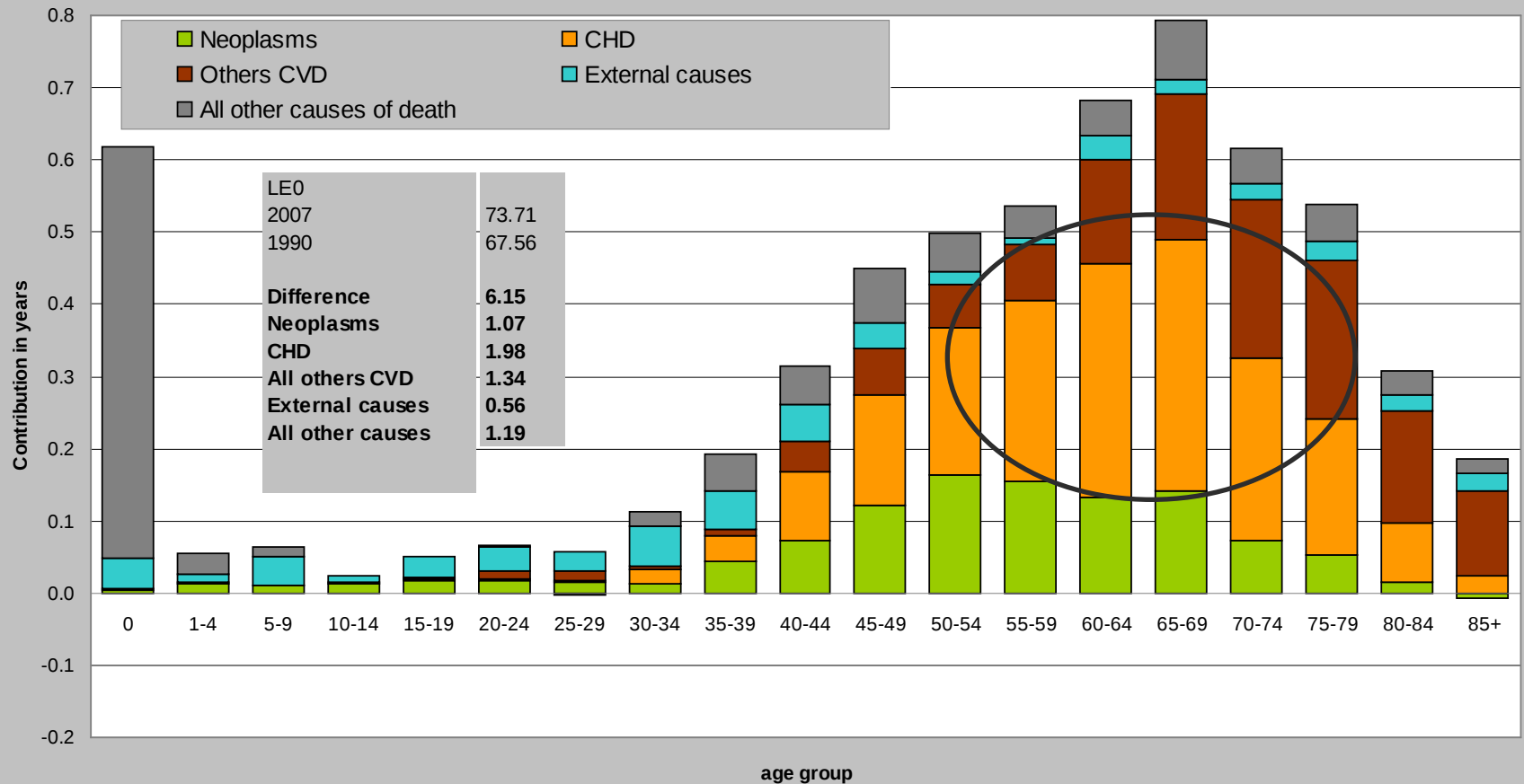


Period 1960-1990, males

Data source: CZSO

Computation: Andreev et al. 2002

The contribution of selected groups of death to overall changes in LE_0 , males

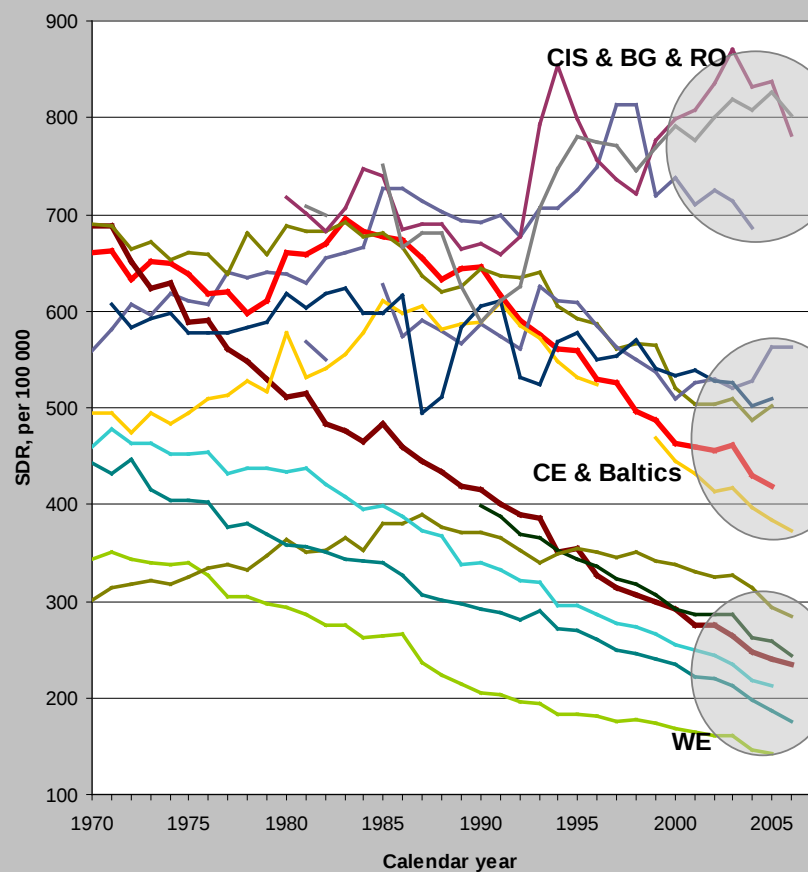


Period 1990-2007, males

Data source: CZSO

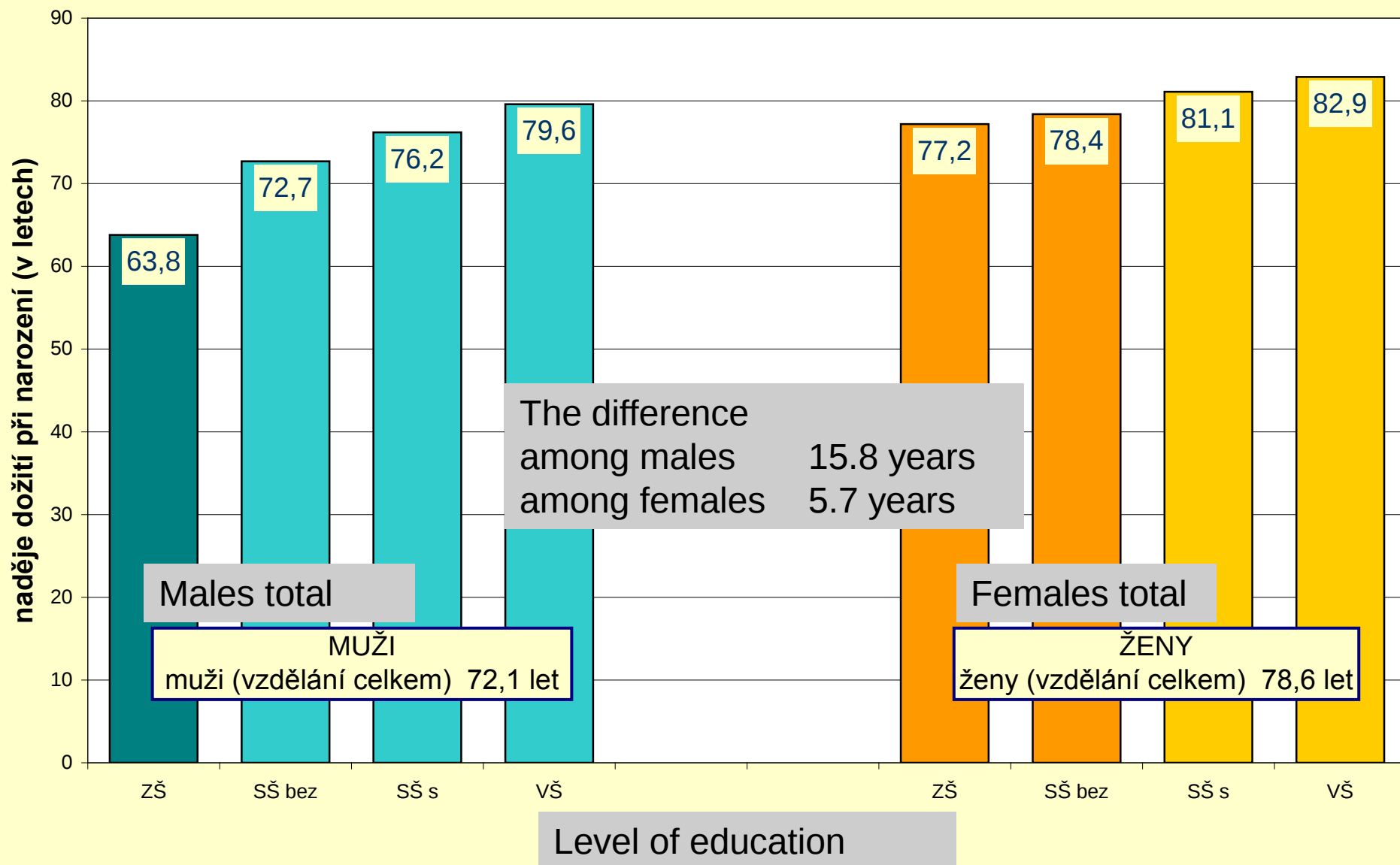
Computation: Andreev et al. 2002

CVD mortality rate, selected European countries



Source: WHO HFA

LE at birth and SES, Czechia, 2001



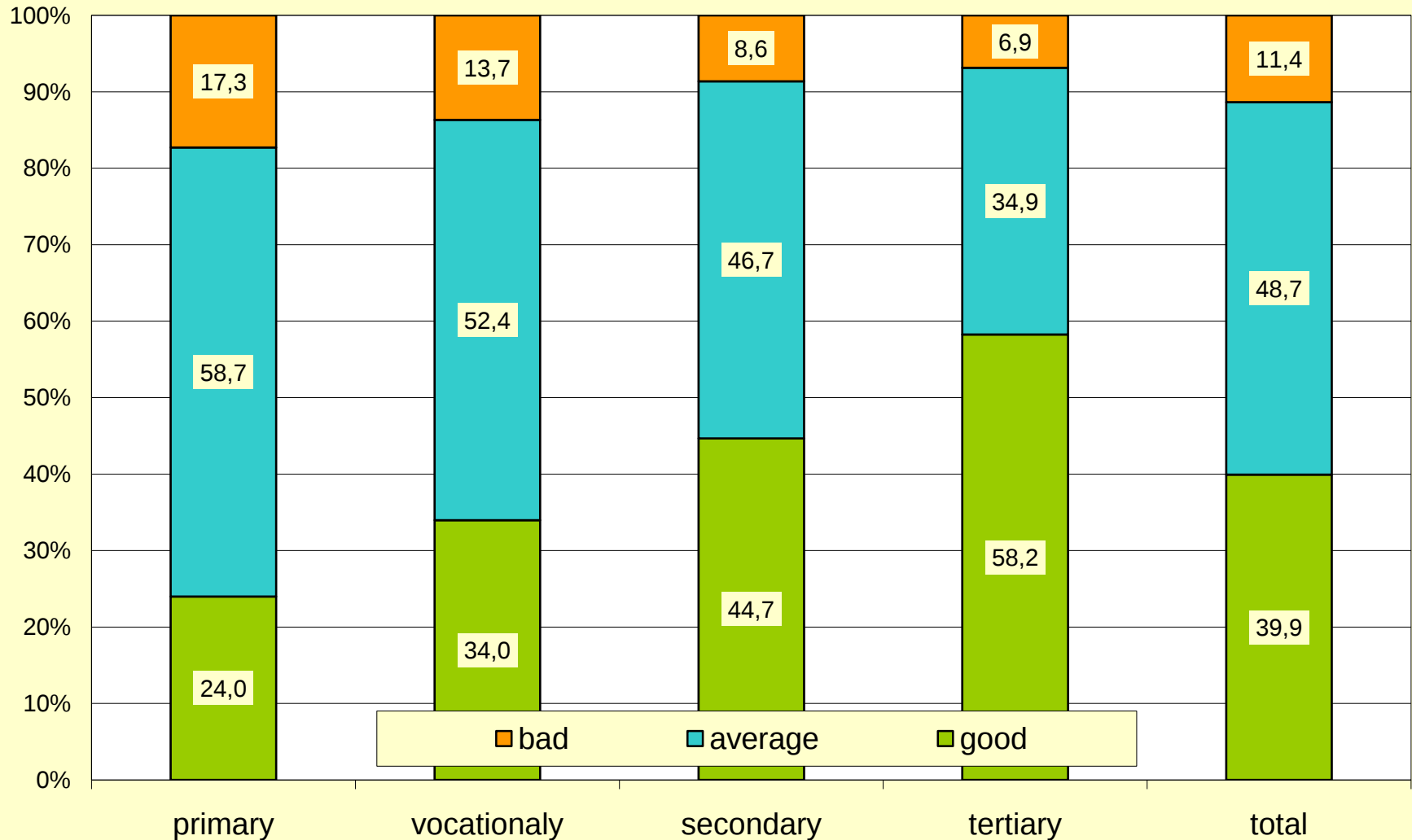
HAPIEE Study - Health, Alcohol and Psychosocial factors In Eastern Europe



- Coordinated by University College London
- Cohort study
 - **WHO?** Urban population aged 45-69 years (8/2003)
 - **WHERE?** The Czech Republic, Russia, Poland and Lithuania
 - **WHEN?** Baseline survey 2002-2005

<http://www.ucl.ac.uk/easteurope/hapiee.html>

Self-rated health and education



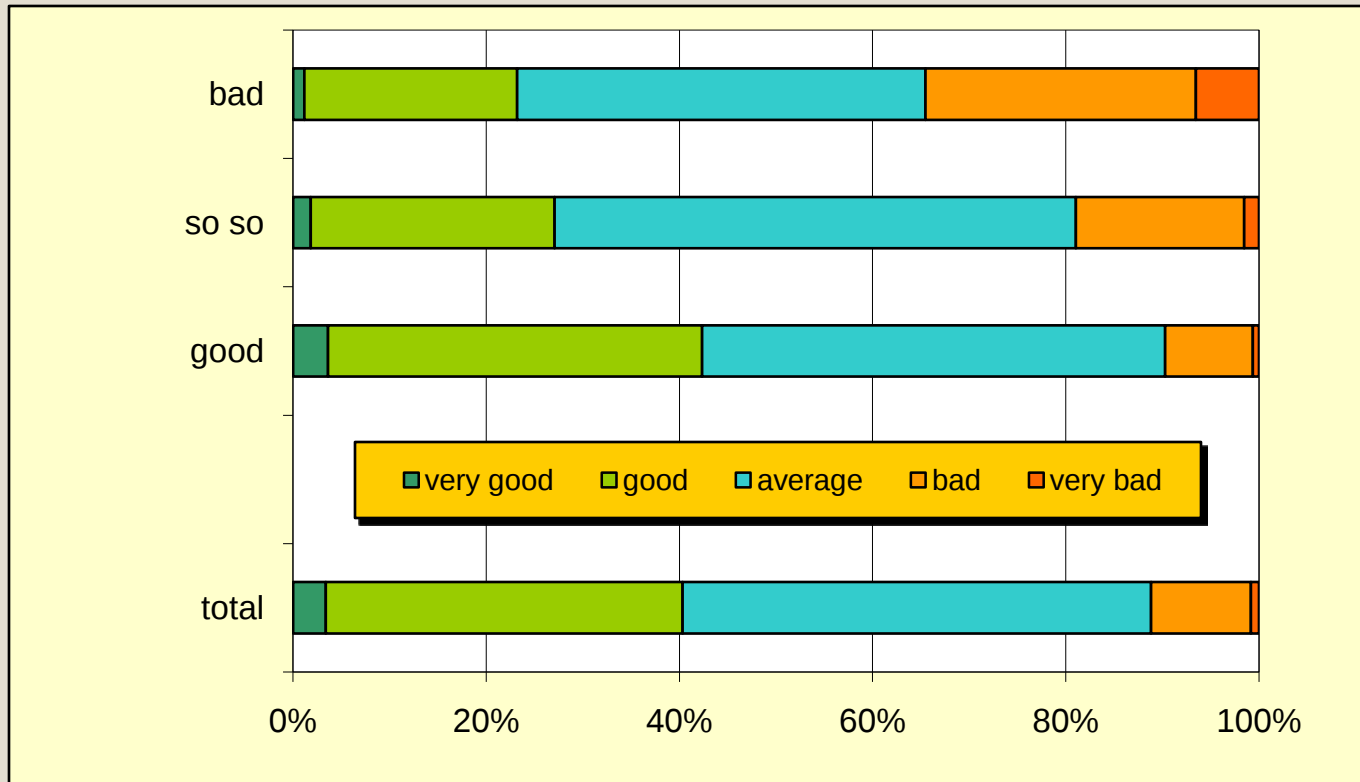
Self-rated health and education



Chance/likelihood to evaluate health as good or very good increases with level of education

		p-value	OR	CI 95 %
sex	Males		1	
	Females	0,021	1,11	1,02 - 1,22
age		0,000	0,95	0,94 - 0,96
education	Primary		1	
	Vocational	0,000	1,54	1,31 - 1,81
	Secondary	0,000	2,39	2,04 - 2,80
	Tertiary	0,000	4,32	3,58 - 5,21

SRH and financial situation

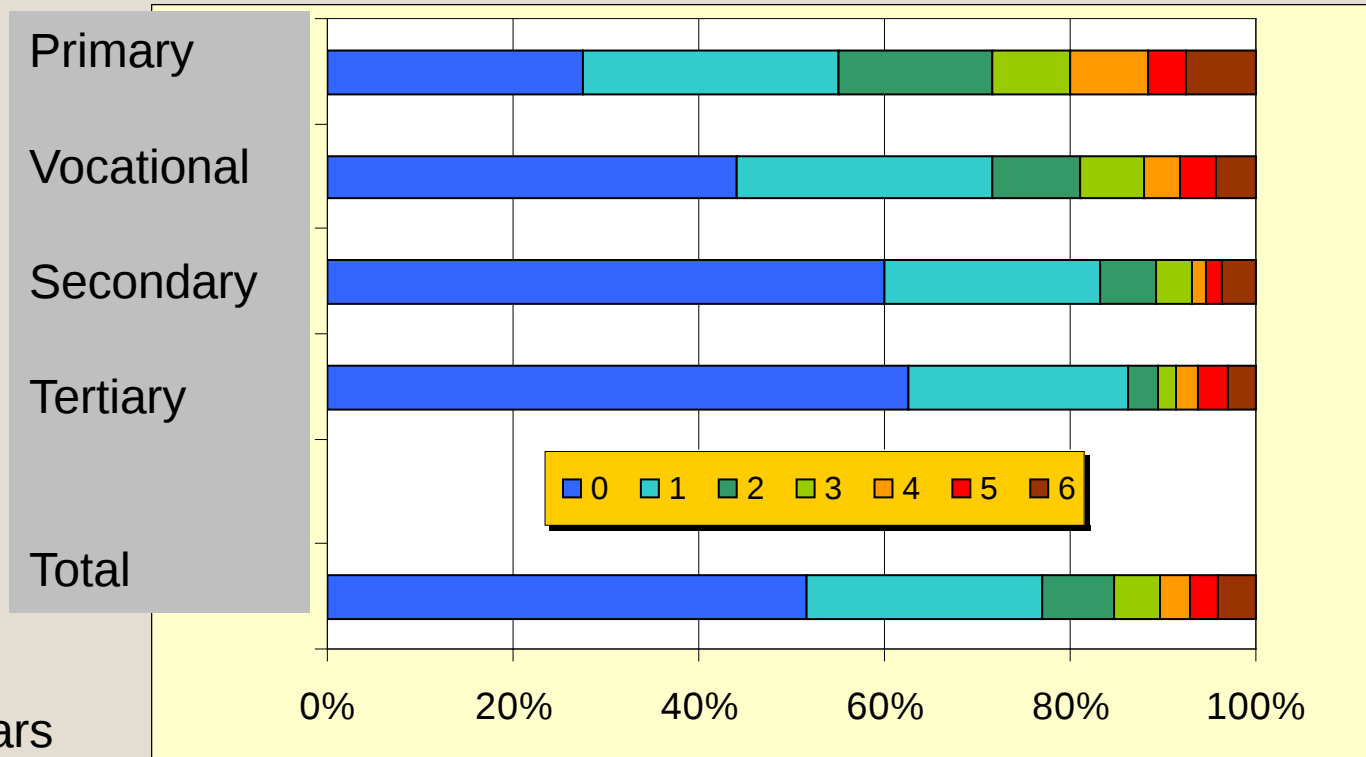


The chance/likelihood to evaluate health as good is 2.7 times higher among population in good FS than among population in bad FS. (controlled for age and sex)

Activities of daily living (ADLs) and SES



Distribution according the number of limitations

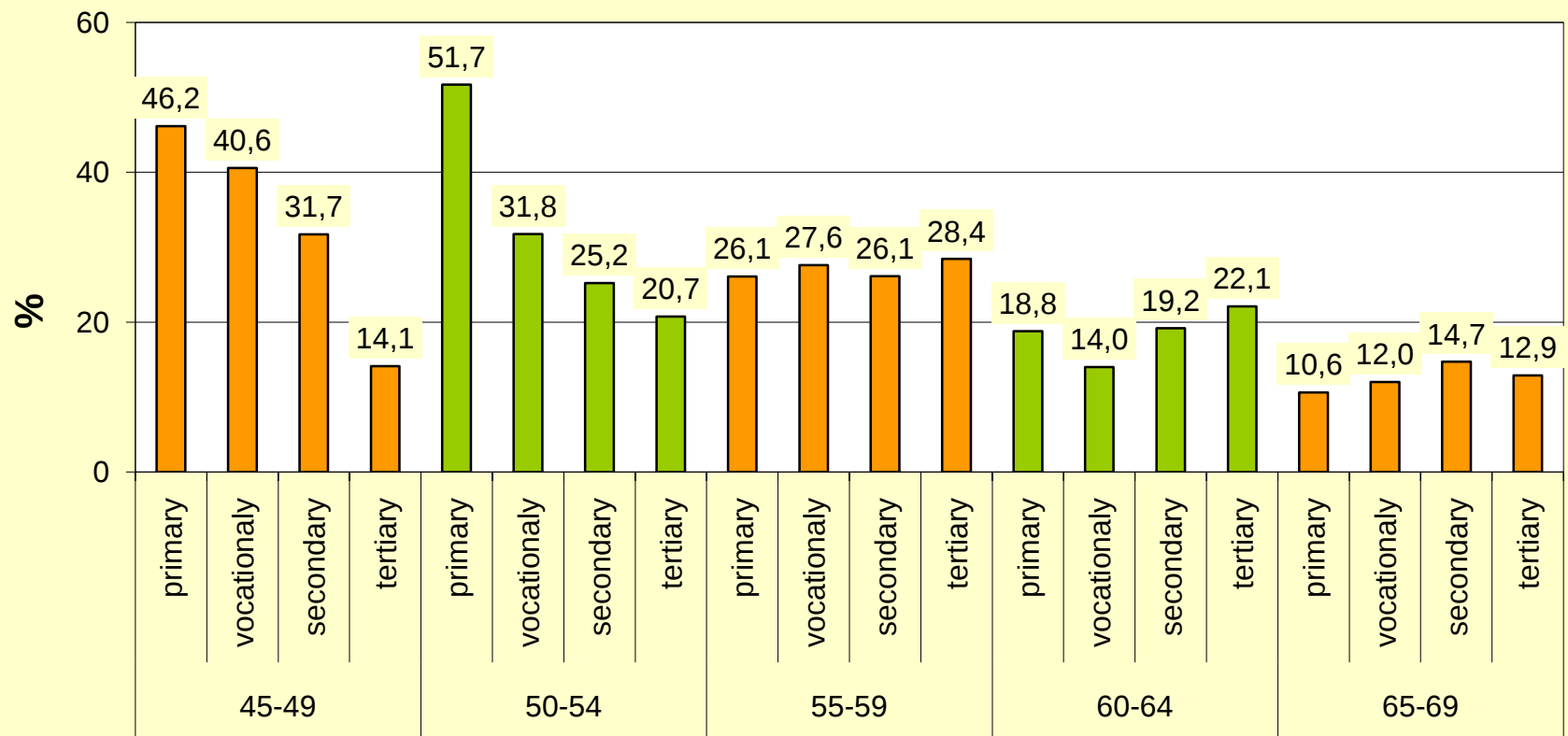


Males, 60-69 years

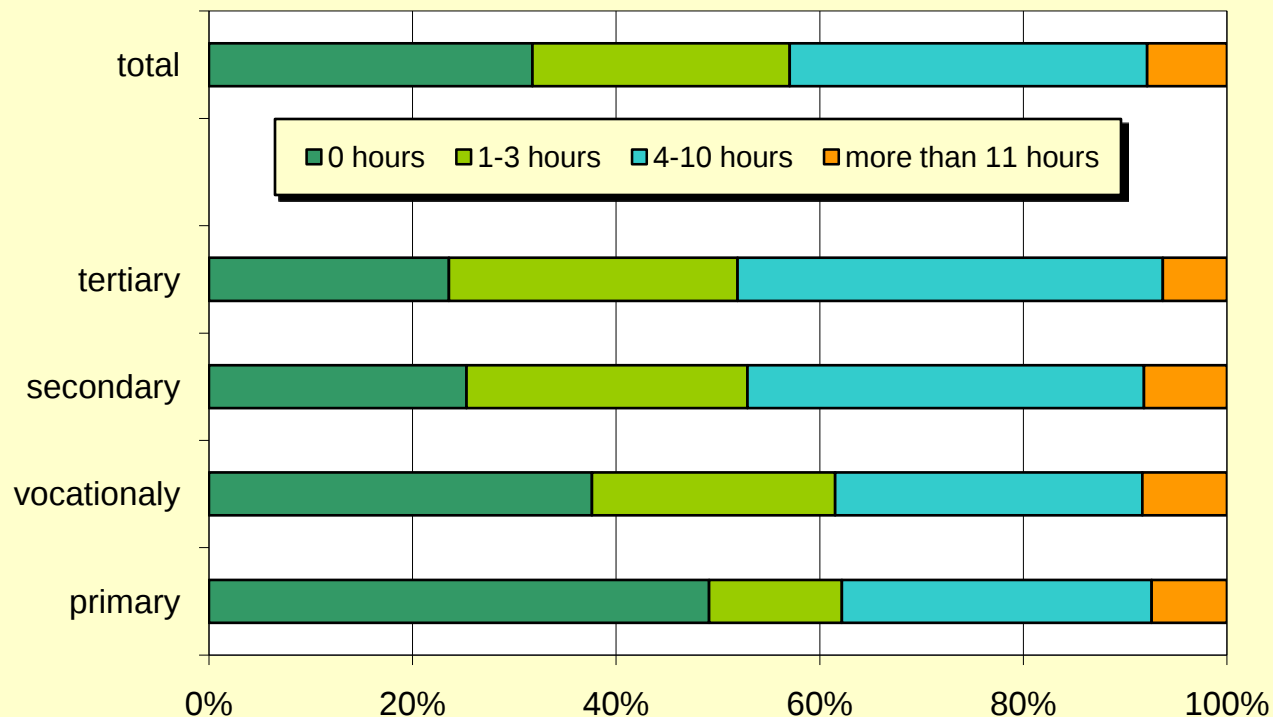
Smoking habits and SES, females



Current smokers



Distribution according to physical activity (per week) Males



Likelihood of being
physically inactive
(0 hours)

Adjusted for sex
and age

Education	OR	95% CI
<i>Tertiary</i>	<i>1</i>	
Primary	3,50***	2,90-4,24
Vocationally	2,30***	1,96-2,71
Secondary	1,27**	1,07-1,50



Thank you for your time and attention

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