

Forum 2013 „Generations – Learning – Prosperity“

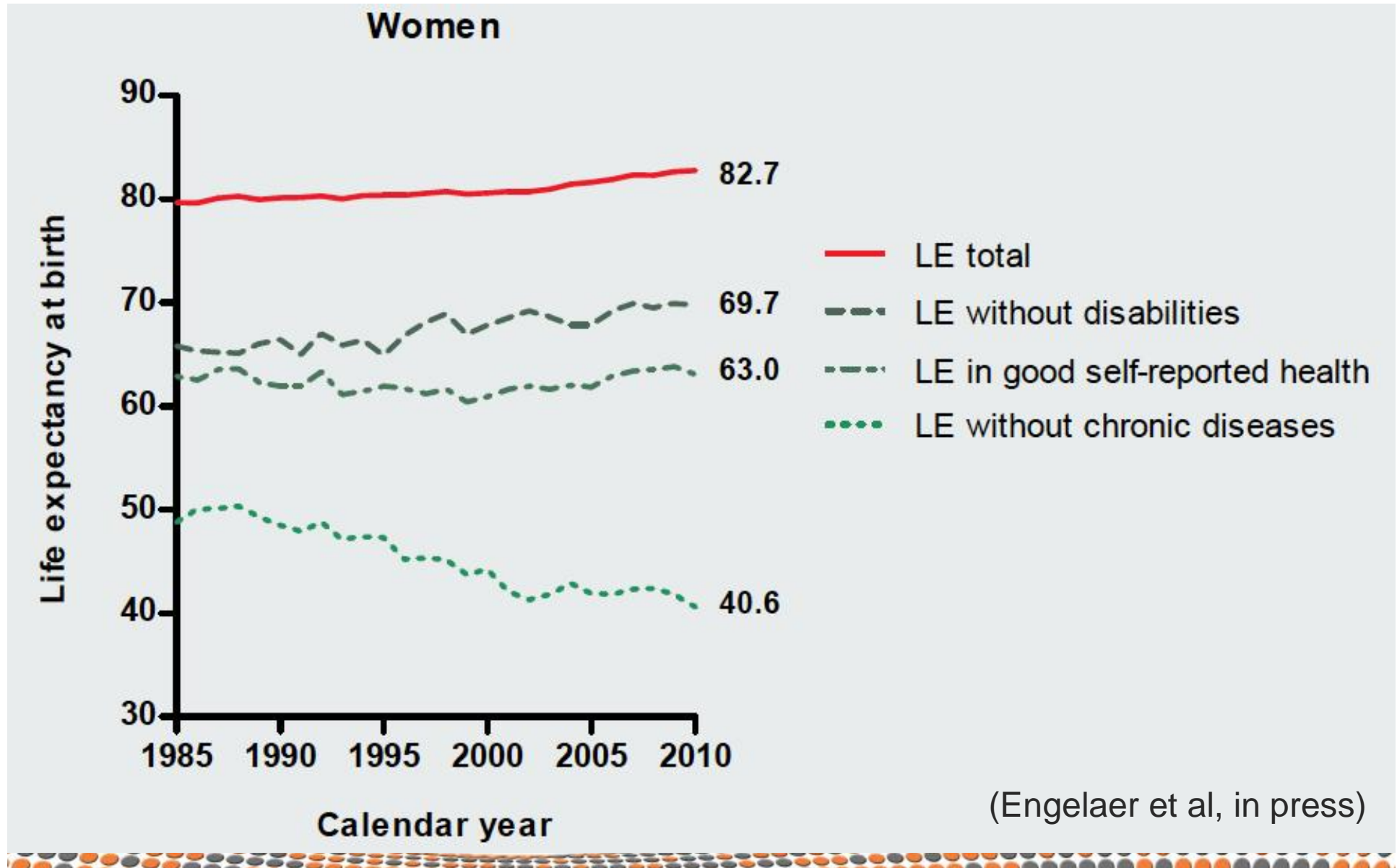
Berlin, January 9, 2013

Trends and gaps in Disability-free life expectancy (HLY)

Jean-Marie Robine



Trends in life and health expectancy in the Netherlands



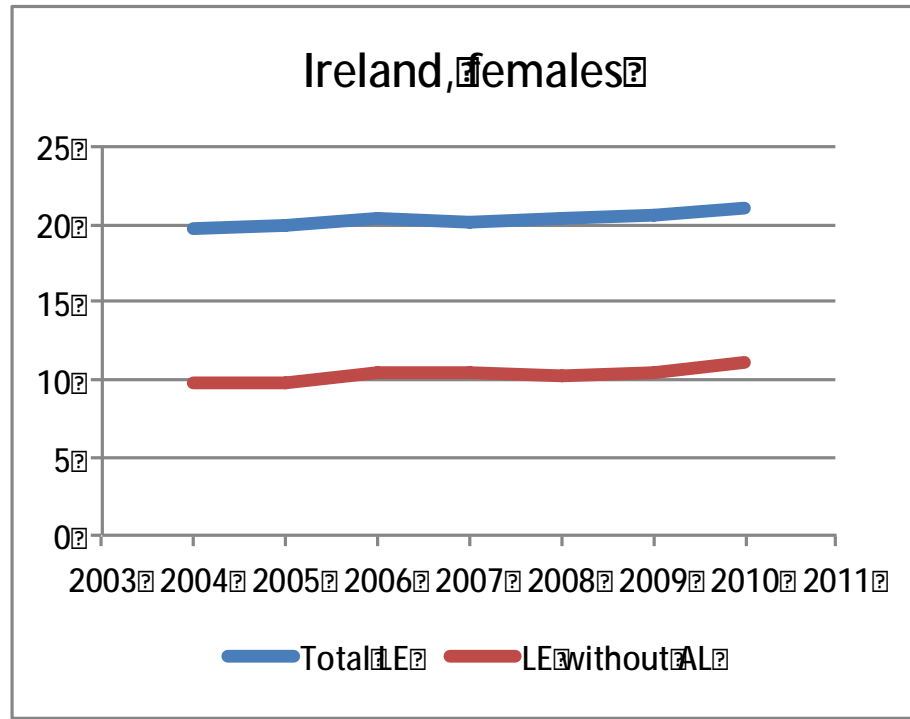
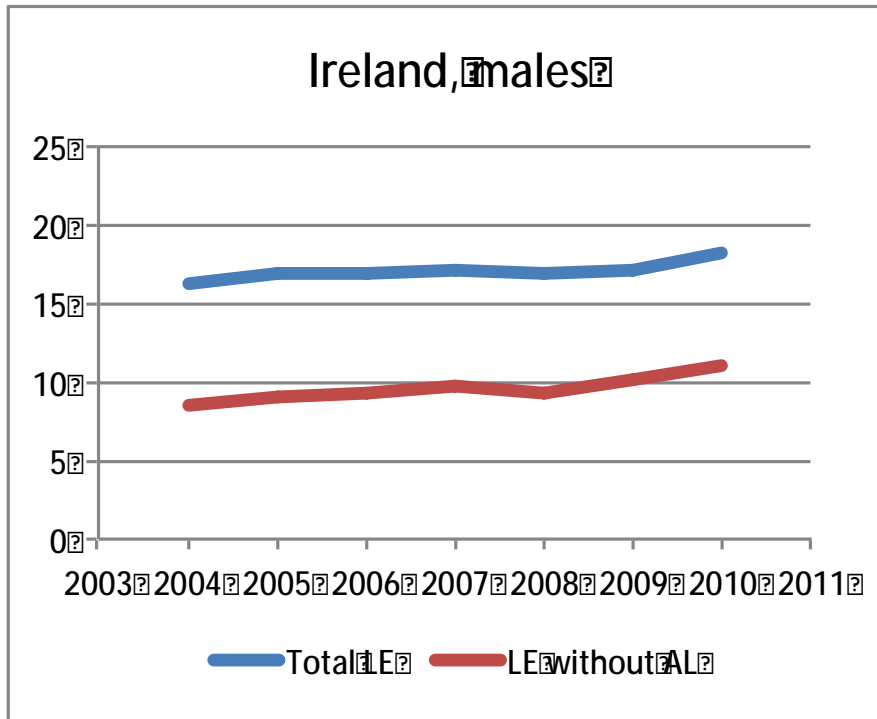
Healthy Life Years (HLY) in the European Union - Men - EHLEIS Release April 19, 2012 (www.eurohex.eu)

COUNTRY/ /YEAR	Life expectancy (years)			Healthy Life Years (HLY)			Proportion HLY/LE (%)			Mean HLY 2008-2010	Gap HLY 2010-2008
	2008	2009	2010	2008	2009	2010	2008	2009	2010		
Austria	77.8	77.6	77.9	58.3	59.5	59.3	75.0	76.7	76.1	59.0	1.0
Belgium	76.9	77.3	:	63.3	64.0	:	82.3	82.8	:	:	:
Bulgaria	69.8	70.1	70.2	62.1	62.1	63.0	89.0	88.6	89.7	62.4	0.9
Cyprus	78.5	78.7	:	64.5	65.3	:	82.1	83.0	:	:	:
Czech Republic	74.1	74.2	74.5	61.2	61.1	62.2	82.7	82.3	83.5	61.5	1.0
Denmark	76.5	76.9	77.2	62.1	61.3	62.3	81.1	79.7	80.7	61.9	0.2
Estonia	68.7	69.8	70.7	53.0	55.2	54.0	77.2	79.1	76.4	54.1	1.0
Finland	76.5	76.6	76.9	58.6	58.1	58.5	76.7	75.8	76.0	58.4	-0.1
France	77.8	78.0	78.2	62.7	62.7	61.9	80.6	80.4	79.1	62.4	-0.8
Germany	77.6	77.8	78.0	56.3	57.1	57.9	72.6	73.4	74.3	57.1	1.6
Greece	77.7	77.8	78.4	65.8	66.0	66.4	84.7	84.9	84.7	66.1	0.6
Hungary	70.0	70.3	70.7	54.8	55.8	56.4	78.4	79.4	79.7	55.7	1.6
Ireland	77.8	77.4	78.7	63.5	63.6	65.9	81.6	82.2	83.8	64.3	2.4
Italy	79.1	79.4	:	63.0	63.4	:	79.6	79.9	:	:	:
Latvia	67.0	68.1	68.6	51.8	52.8	53.5	77.3	77.5	78.0	52.7	1.7
Lithuania	66.3	67.5	68.0	54.8	57.3	57.7	82.7	84.9	85.0	56.6	2.9
Luxembourg	78.1	78.1	77.9	64.8	65.5	64.5	83.0	83.9	82.8	64.9	-0.3
Malta	76.9	77.8	79.1	68.9	69.6	70.2	89.6	89.4	88.6	69.6	1.3
Netherlands	78.4	78.7	78.9	62.4	61.7	61.1	79.6	78.5	77.4	61.7	-1.3
Poland	71.3	71.5	72.1	58.5	58.3	58.5	82.2	81.5	81.1	58.4	0.0
Portugal	76.2	76.5	76.7	59.1	58.2	59.2	77.6	76.0	77.1	58.8	0.1
Romania	69.7	69.8	:	60.2	59.8	:	86.3	85.6	:	:	:
Slovak Republic	70.8	71.4	71.7	52.1	52.4	52.3	73.5	73.4	73.0	52.3	0.2
Slovenia	75.5	75.9	76.4	59.5	60.5	b	78.7	79.7	b	b	b
Spain	78.2	78.7	79.0	64.1	62.8	64.3	81.9	79.8	81.3	63.7	0.2
Sweden	79.2	79.4	79.6	69.4	70.7	71.7	87.6	89.0	90.0	70.6	2.3
United Kingdom	77.8	78.3	:	65.0	65.1	:	83.5	83.1	:	:	:
EU27	76.4	76.7	:	61.1	61.3	:	80.0	79.9	:	:	:
Maximum	79.2	79.4	79.6	69.4	70.7	71.7	89.6	89.4	90.0	70.6	2.9
(country)	(Sweden)	(Sweden)	(Sweden)	(Sweden)	(Sweden)	(Sweden)	(Malta)	(Malta)	(Sweden)	(Sweden)	(Lithuania)
Minimum	66.3	67.5	68.0	51.8	52.4	52.3	72.6	73.4	73.0	52.3	-1.3
(country)	(Lthuania)	(Lthuania)	(Lthuania)	(Latvia)	(Slovakia)	(Slovakia)	(Germany)	(Ger/Slovakia)	(Slovakia)	(Slovakia)	(Netherlands)
Gap Min-Max	12.9	11.9	11.6	17.6	18.3	19.4	17.0	16.0	17.0	18.3	4.2
/YEAR	2008	2009	2010	2008	2009	2010	2008	2009	2010	2008-2010	2010-2008
COUNTRY/	Life expectancy (years)			Healthy Life Years (HLY)			Proportion HLY/LE (%)			Mean HLY	Gap HLY

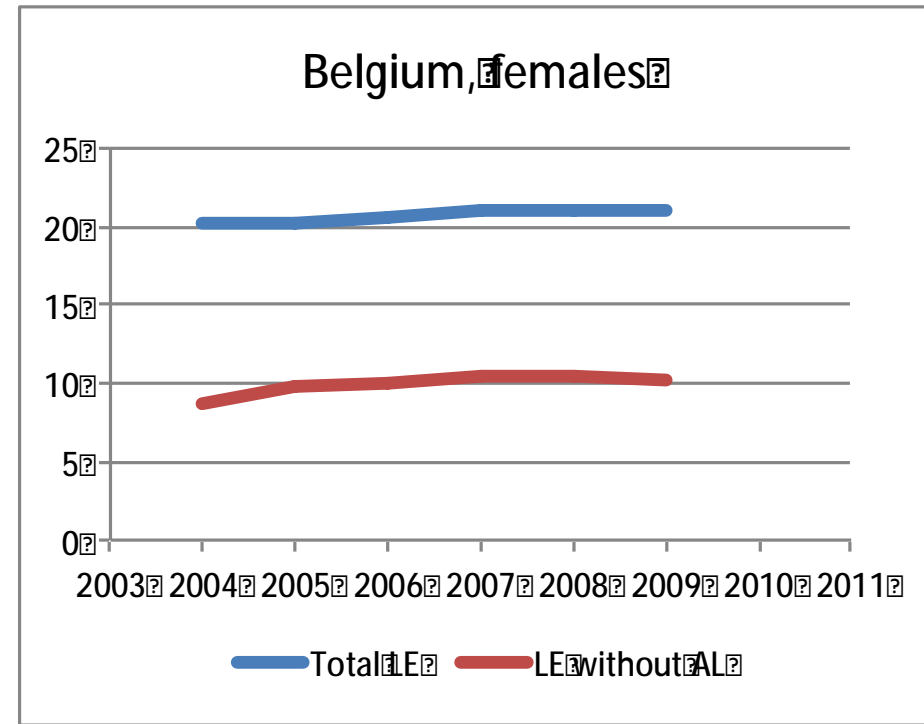
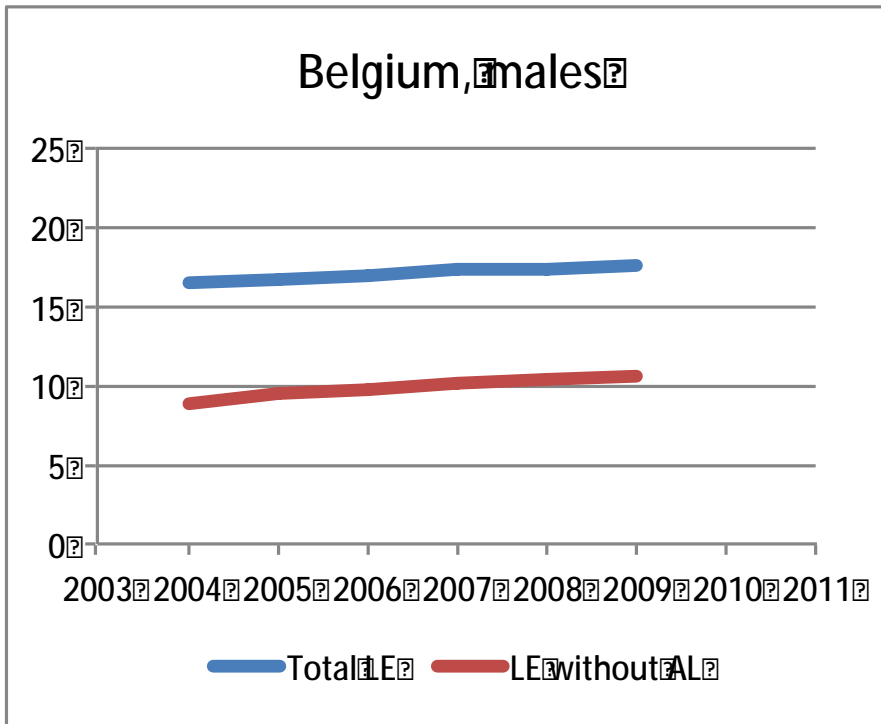
An increase of 2 HLY by 2020



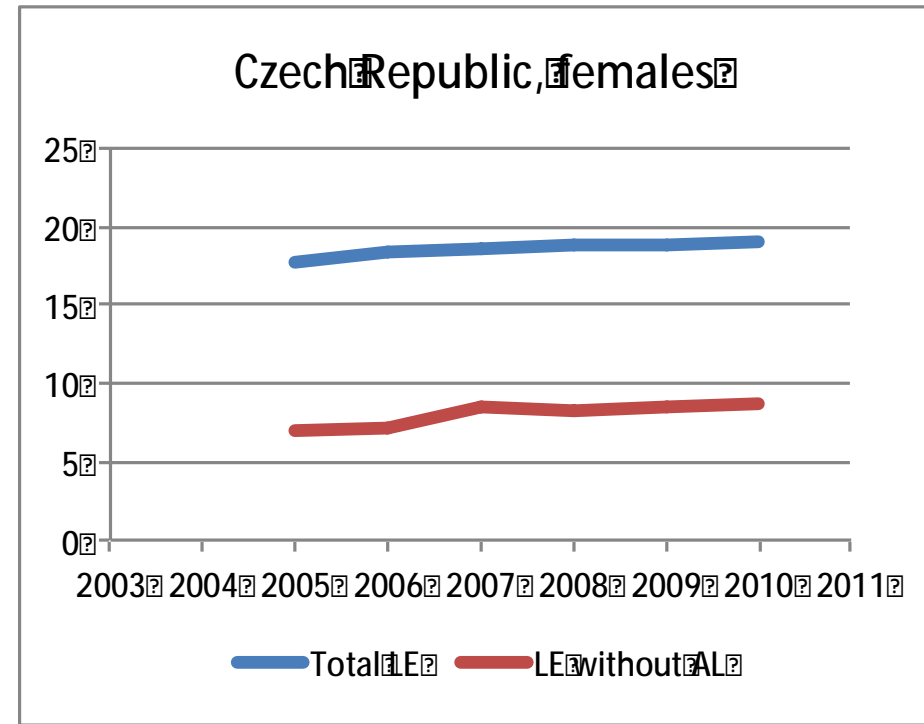
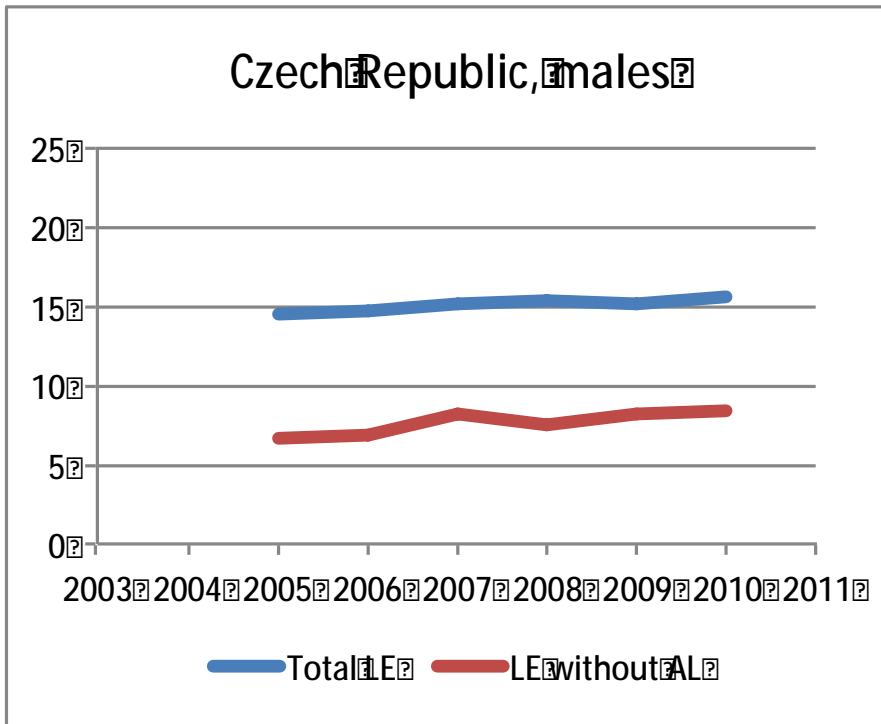
Trends in life and disability-free life expectancy (HLY) at age 65



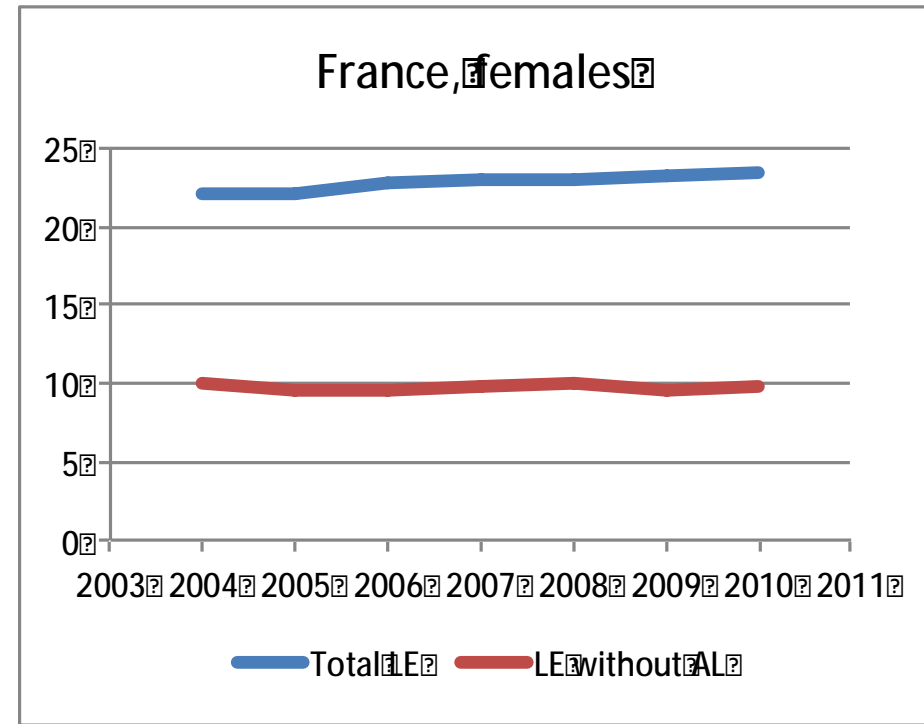
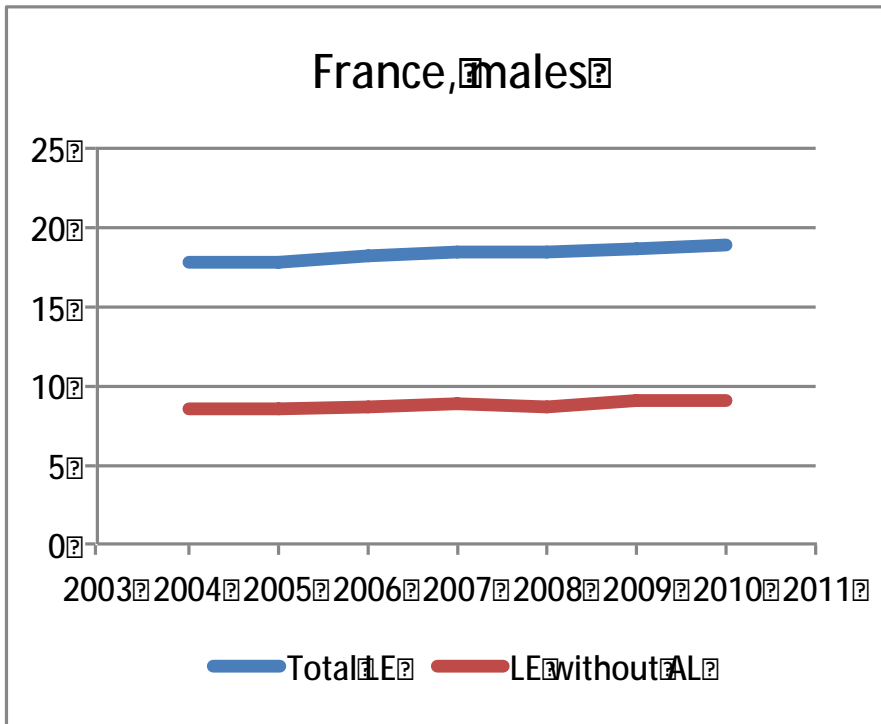
Trends in life and disability-free life expectancy (HLY) at age 65



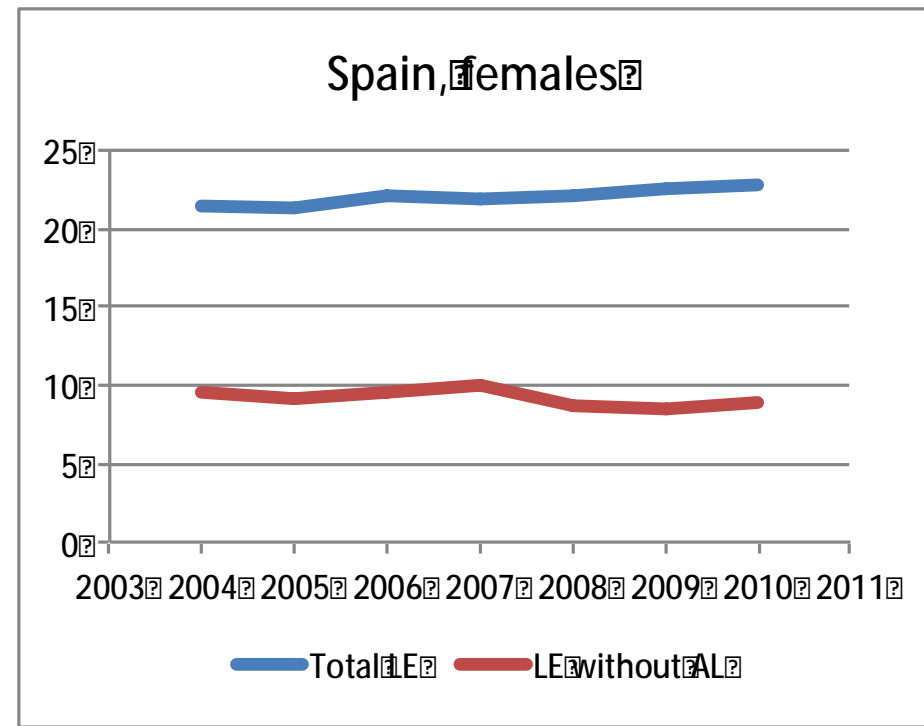
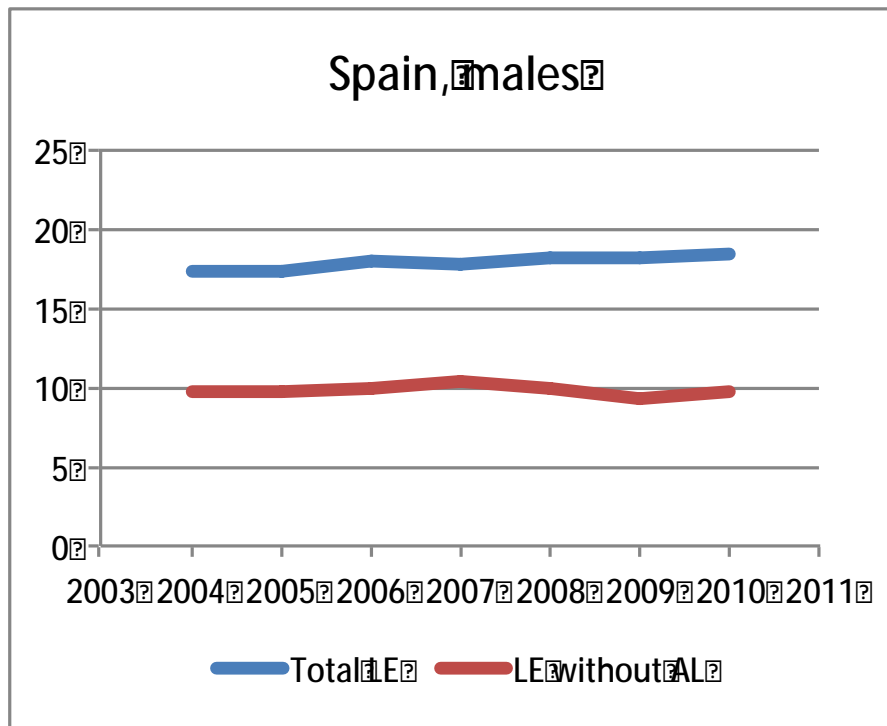
Trends in life and disability-free life expectancy (HLY) at age 65



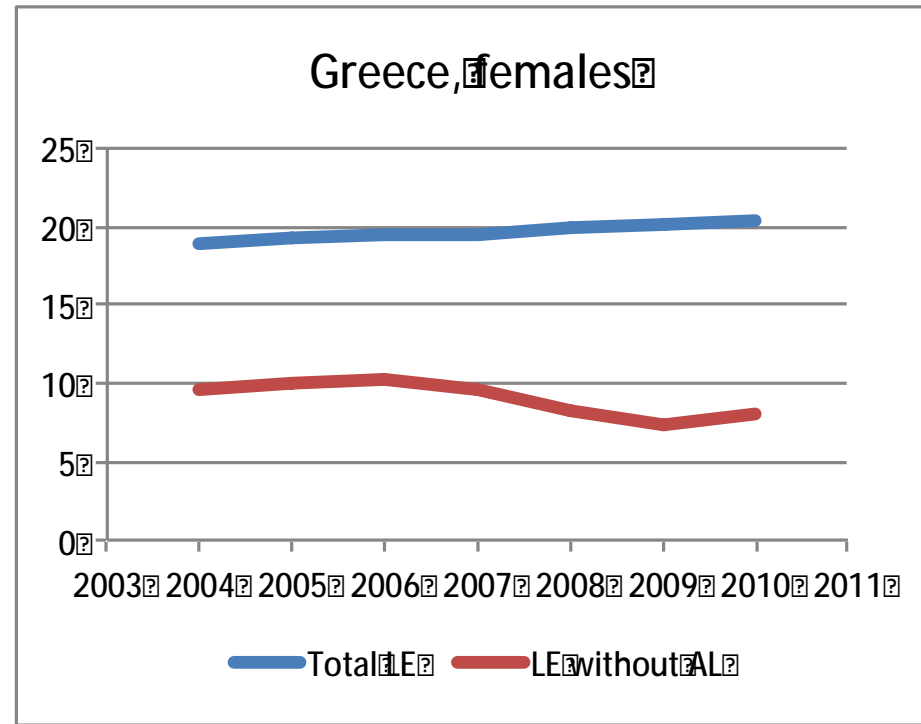
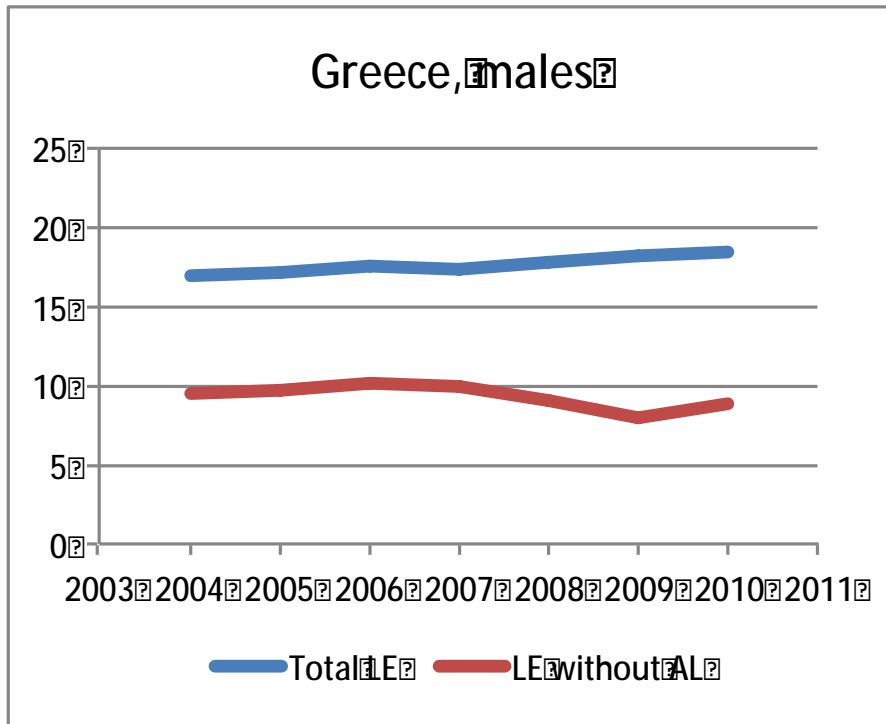
Trends in life and disability-free life expectancy (HLY) at age 65



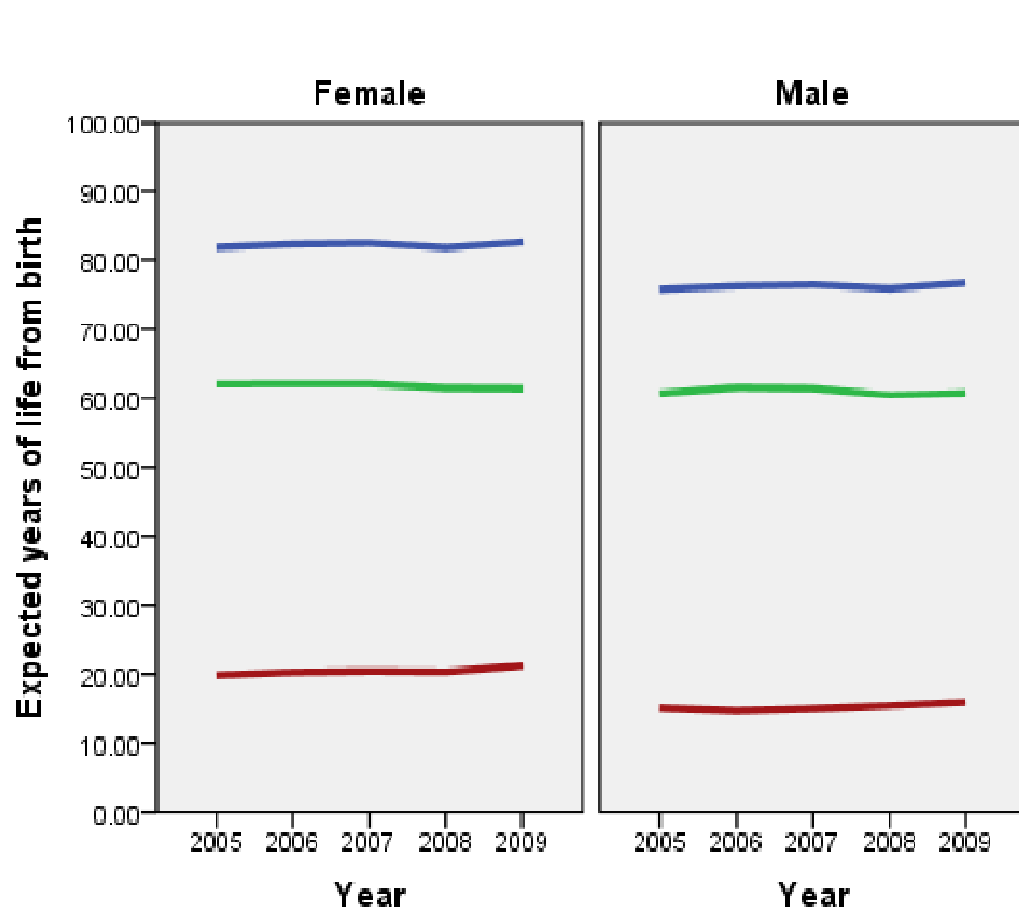
Trends in life and disability-free life expectancy (HLY) at age 65



Trends in life and disability-free life expectancy (HLY) at age 65



LE and HLY at birth 2005-9: EU25



— LE at birth
 — HLY at birth
 — unHLY at birth

Men: LE ↑ 2.8 months/yr
 HLY ↑ 0.2 months/yr

Women: LE ↑ 2.4 months/yr
 HLY ↓ 1.8 months/yr

**EIPon-AHA HLY
 target
 2.4 months/yr**



HLY projections 2010-2020 men sample of countries

Projected increase in HLY (years)

	LE increase	Scenario 1	Scenario 2	Scenario 3	Scenario 4
Slovakia	2.4	1.8	8.8	10.8	10.2
Romania	2.8	-2.6	5.4	7.4	6.8
Greece	1.6	-6.3	5.3	7.3	6.7
Slovenia	1.9	8.2	4.4	6.4	5.8
France	1.7	1.4	3.7	5.7	5.2
Belgium	1.7	8.5	2.8	4.8	4.2
United Kingdom	1.6	2.9	2.3	4.3	3.7

Scenario 1: current trends in %HLY/LE continue

Scenario 2: HLY gap closed in 20 years (50% reduction of gap in 10 years)

Scenario 3: As Scenario 2 + each MS increase of 2 HLY over decade

Scenario 4: As Scenario 2 + each MS has no increase in UnHLY (LE-HLY)



Conclusions

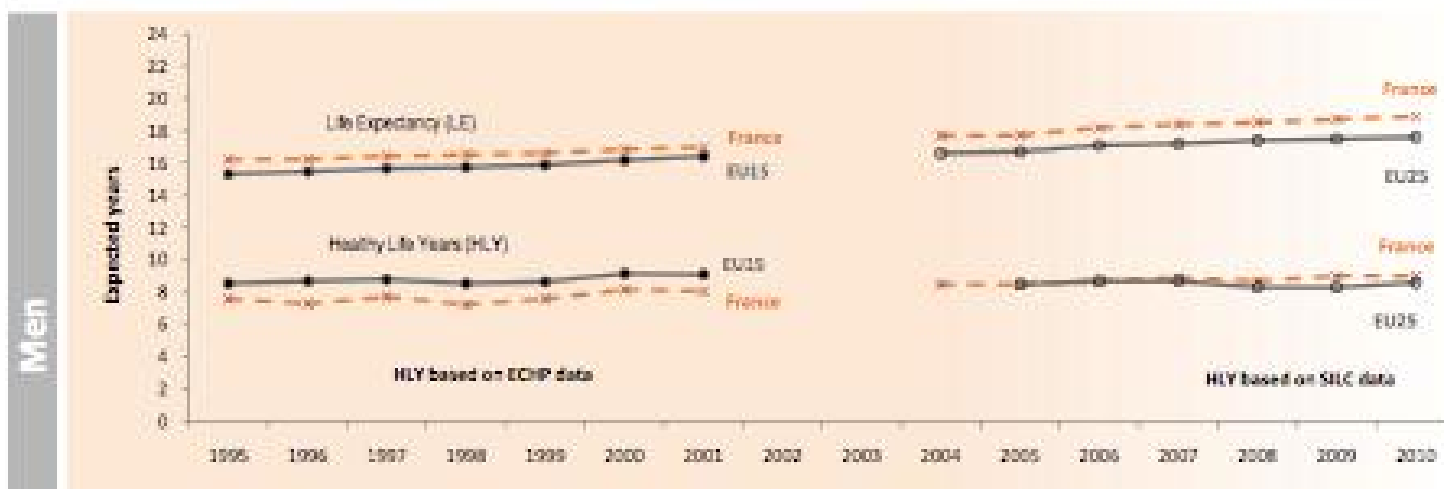
- If current trends continue
 - 8 countries will reach EIPon-AHA target of an increase in 2 HLY over the next decade
 - Countries reaching target include Eastern European countries
 - Romania and Greece unlikely to reach target as HLY decreasing
 - EU27 overall will not reach EIPon-AHA target
 - Inequity between MS will increase
- Improving health of European people will need action on many fronts and measures to address level and distribution of HLY



Life expectancy (LE) and Healthy Life Years (HLY) at age 65 for France and the European Union (EU15 and EU25) based on ECHP (1995-2001) and SILC (2004-2010)



France	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010 ^a
LE	20.9	21.0	21.2	21.2	21.2	21.4	21.5	-	-	22.1	22.0	22.7	23.0	23.0	23.2	23.3
HLY	8.5	8.7	9.2	9.0	8.4	9.3	8.8	-	-	10.0	9.6	9.6	9.9	10.1	9.5	9.8
% HLY/LE	41%	42%	43%	42%	39%	43%	41%	-	-	45%	44%	42%	43%	44%	41%	42%

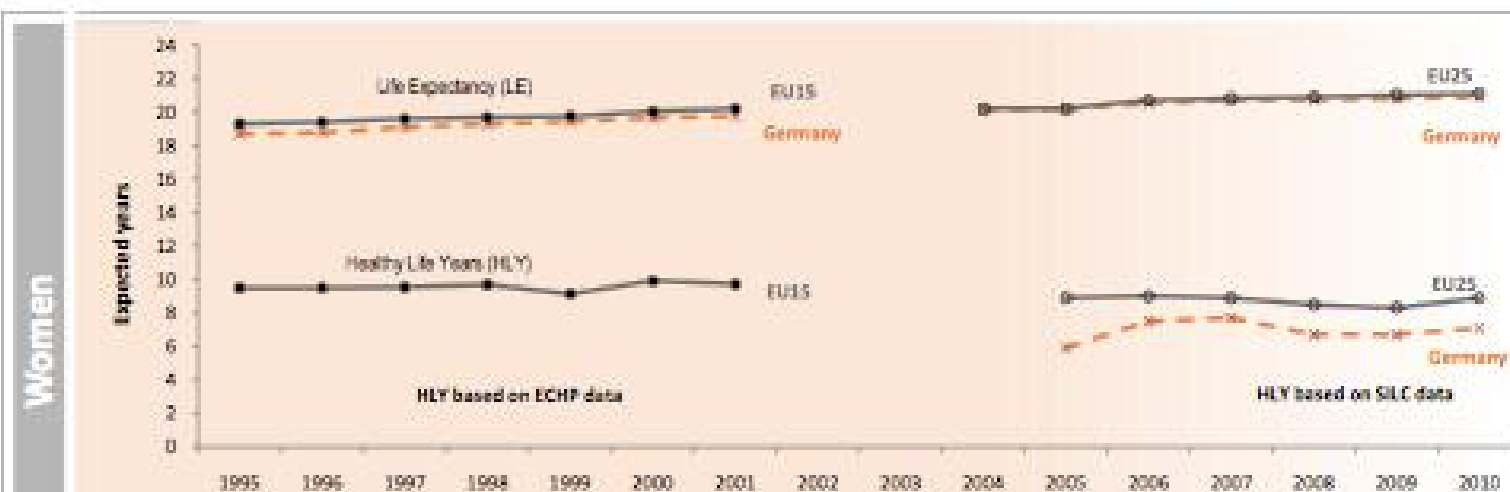


France	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010 ^a
LE	16.2	16.2	16.4	16.5	16.6	16.8	17.0	-	-	17.7	17.7	18.2	18.4	18.5	18.7	18.9
HLY	7.6	7.3	7.7	7.3	7.6	8.2	8.1	-	-	8.5	8.5	8.7	8.9	8.7	9.0	9.0
% HLY/LE	47%	45%	47%	44%	46%	48%	48%	-	-	48%	48%	48%	48%	47%	48%	48%

^a = provisional values



Life expectancy (LE) and Healthy Life Years (HLY) at age 65 for Germany and the European Union (EU15 and EU25) based on ECHP (1995-2001) and SILC (2005-2010)



Country	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
DE	Comparable with standard GALI question	NA	no	no	no	no	no	no	no	no
DE	Change compared to previous year	NA	NA	yes	no	yes	no	no	no	no
DE	% of limitation for women	NA	60.9	65.9	66.1	65.3	65.9	66.4	-	-
DE	% of limitation for men	NA	66.0	72.2	72.2	68.2	68.9	69.5	-	-



Germany	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010 ^a
LE	14.8	14.9	15.2	15.4	15.6	15.8	16.1	-	-	16.7	16.9	17.2	17.4	17.5	17.6	17.8
HLY	-	-	-	-	-	-	-	-	-	-	6.4	7.8	7.8	6.3	6.5	6.9
% HLY/LE	-	-	-	-	-	-	-	-	-	-	38%	45%	45%	36%	37%	38%



Life and disability-free life expectancy France and Germany at age 65

	Sexe féminin			Sexe masculin		
	EV	EVSI	%	EV	EVSI	%
Allemagne	20.9	7.1	34	17.8	8.0	38
France	23.5	9.8	42	18.9	9.0	48
Diff	-2.6	-2.7	-8	-1.1	-1	-10



Long life and few disability

Life and health expectancies at age 65 based on activity limitation (Healthy Life Years), chronic morbidity and perceived health for Sweden (Health data from SILC 2010^P)

Life Expectancy at age 65 and expected years

- Without activity limitation
- ▨ With moderate activity limitation
- With severe activity limitation

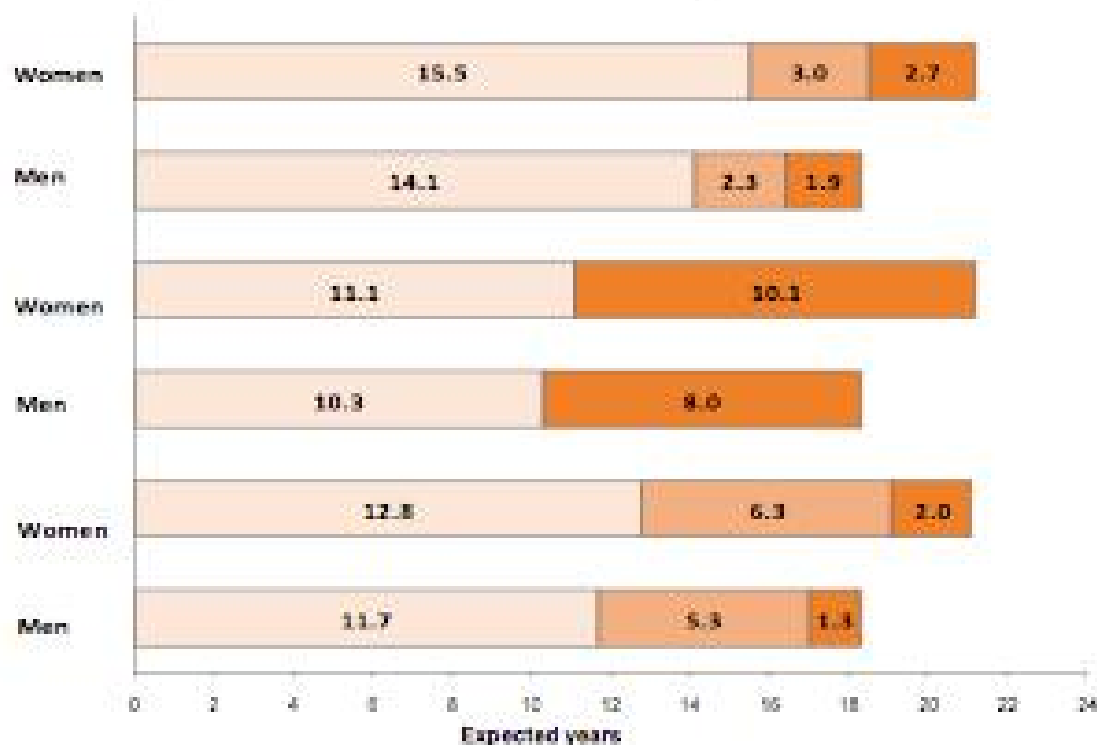
Life Expectancy at age 65 and expected years

- Without chronic morbidity
- With chronic morbidity

Life Expectancy at age 65 and expected years

- In very good or good perceived health
- ▨ In fair perceived health
- In bad or very bad perceived health

^P= provisional values



The Swedish case



Thank you for your attention



EUROPEAN HEALTH & LIFE EXPECTANCY
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