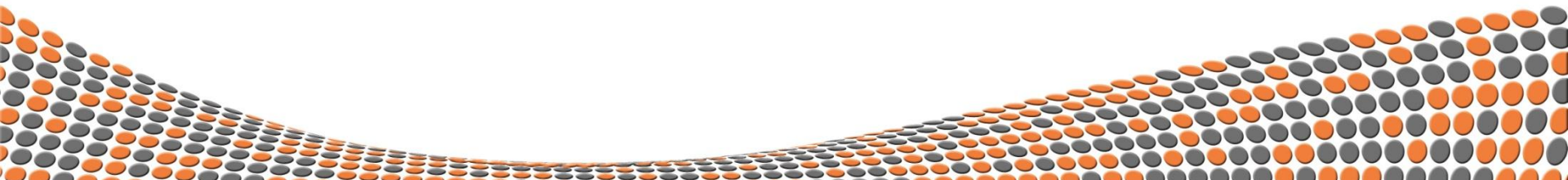


Mind the gap: different strategies to reach the EU goal of an increase of 2 HLY by 2020

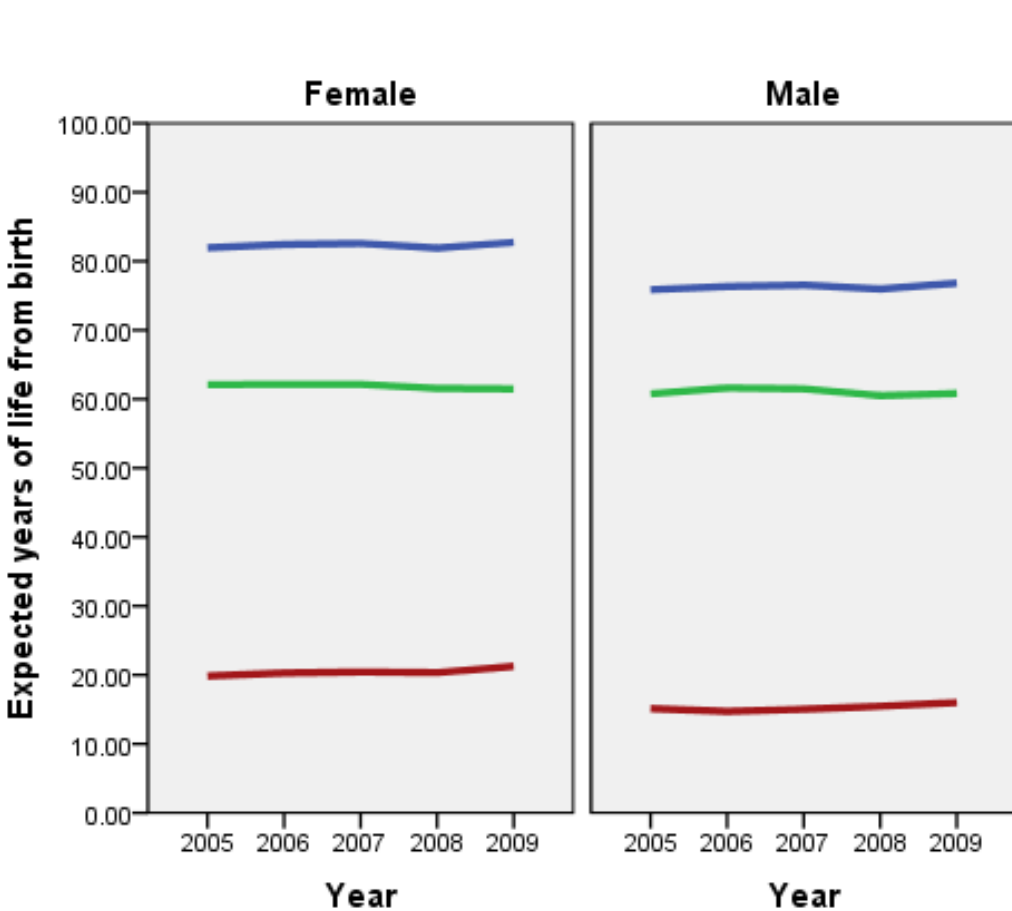
Carol Jagger for the EHLEIS Group



Monitoring population ageing

- Main goal for the European Active and Healthy Ageing Partnership (EIPon-AHA) is to increase HLY at birth by 2 years over the next 10 years (2.4 months per year)
- In 2005 inequalities in HLY at age 50 between Member States was large
 - ➔ Men: HLY gap 14.5 years, LE gap 9.1 years
 - ➔ Women: HLY gap 13.7 years, LE gap 6.1 years
- How has HLY changed between 2005 and 2009 and what is the HLY gap now?
- If trends continue will EIPon-AHA target be met?
- Will target be met by individual Member States?

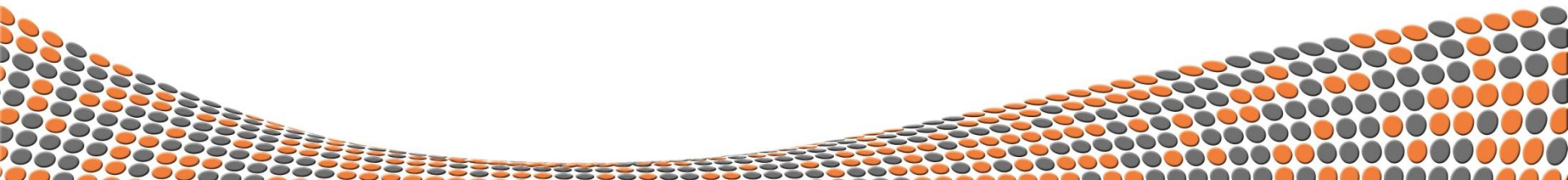
LE and HLY at birth 2005-9: EU25



Men: LE ↑ 3.0 months/yr
 HLY ↑ 0.8 months/yr

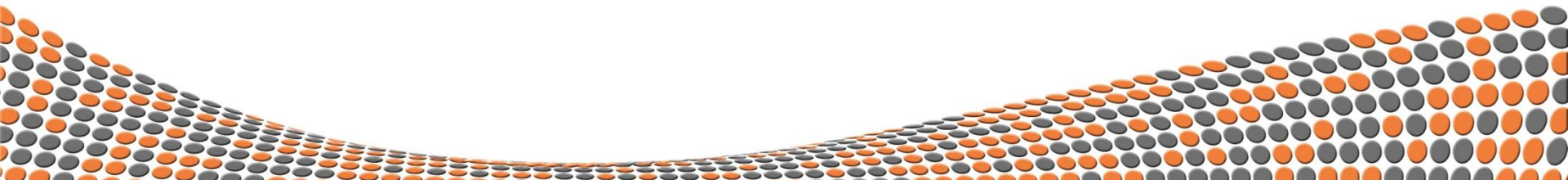
Women: LE ↑ 2.4 months/yr
 HLY ↓ 1.0 months/yr

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



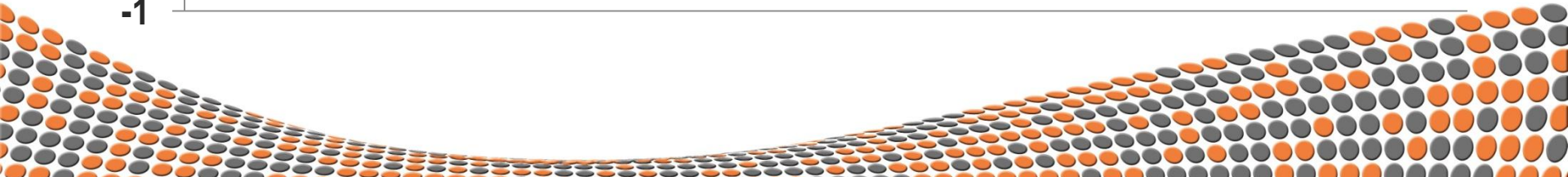
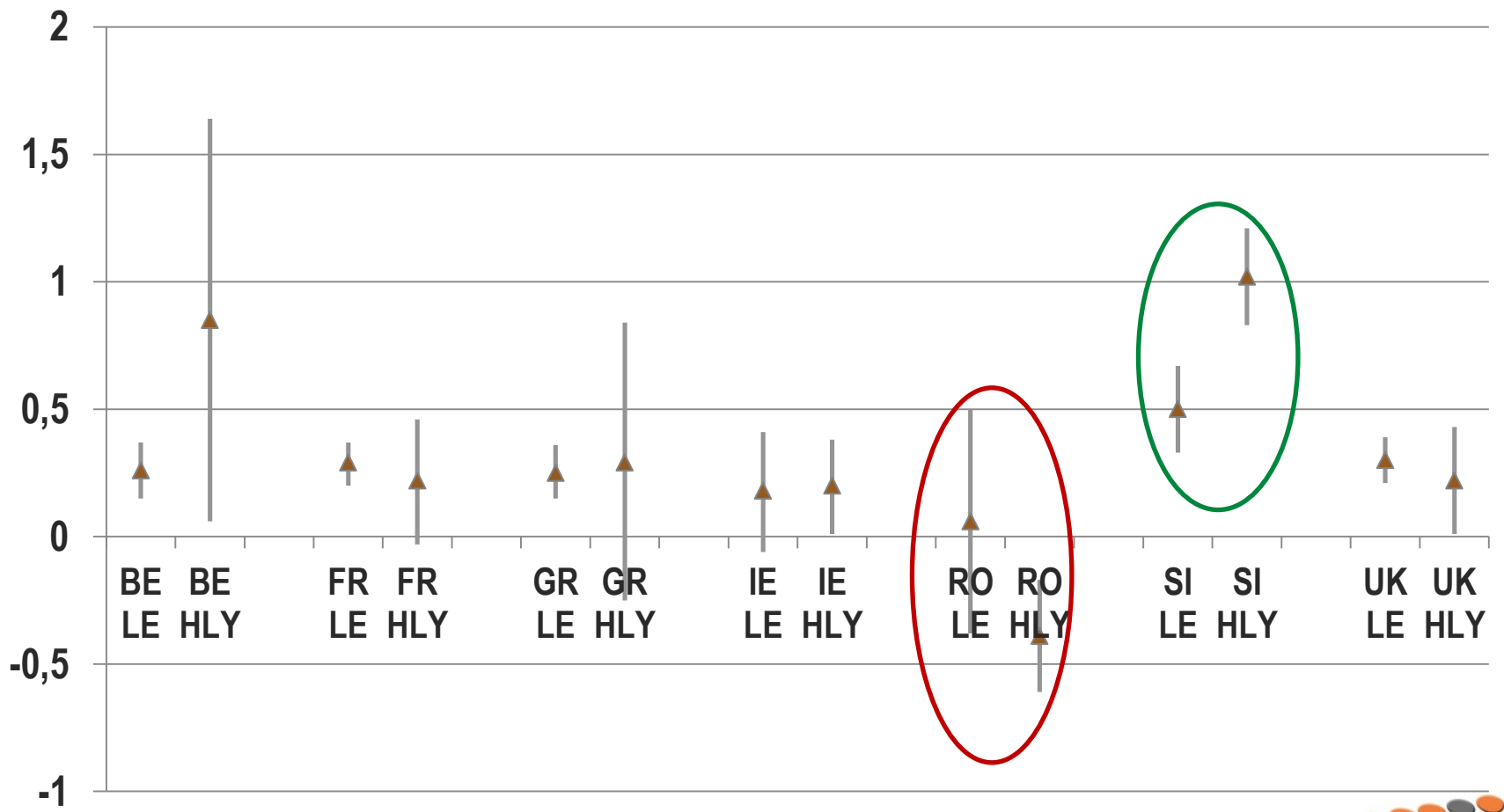
HLY at birth 2005-9: MS

- **Complicated by change in GALI question (basis of HLY) for a number of MS between 2007 and 2008**
- **Trends explored for 7 countries where GALI question remained unchanged**
 - ➔ Belgium, France, Greece, Ireland (2004-2009)
 - ➔ Slovenia, United Kingdom (2005-2009)
 - ➔ Romania (2007-2009)
- **Linear regression models fitted to LE, HLY and HLY/LE**



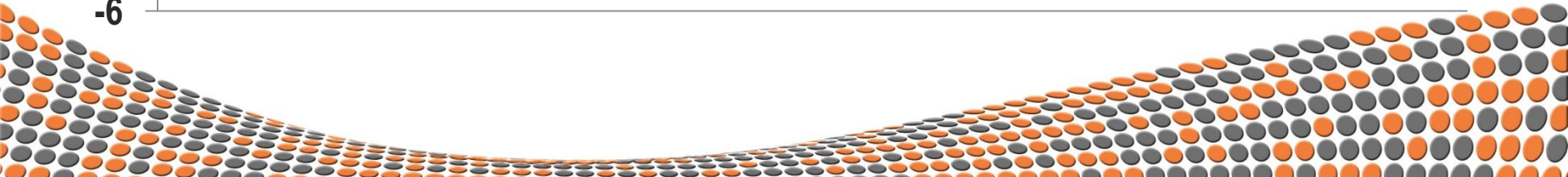
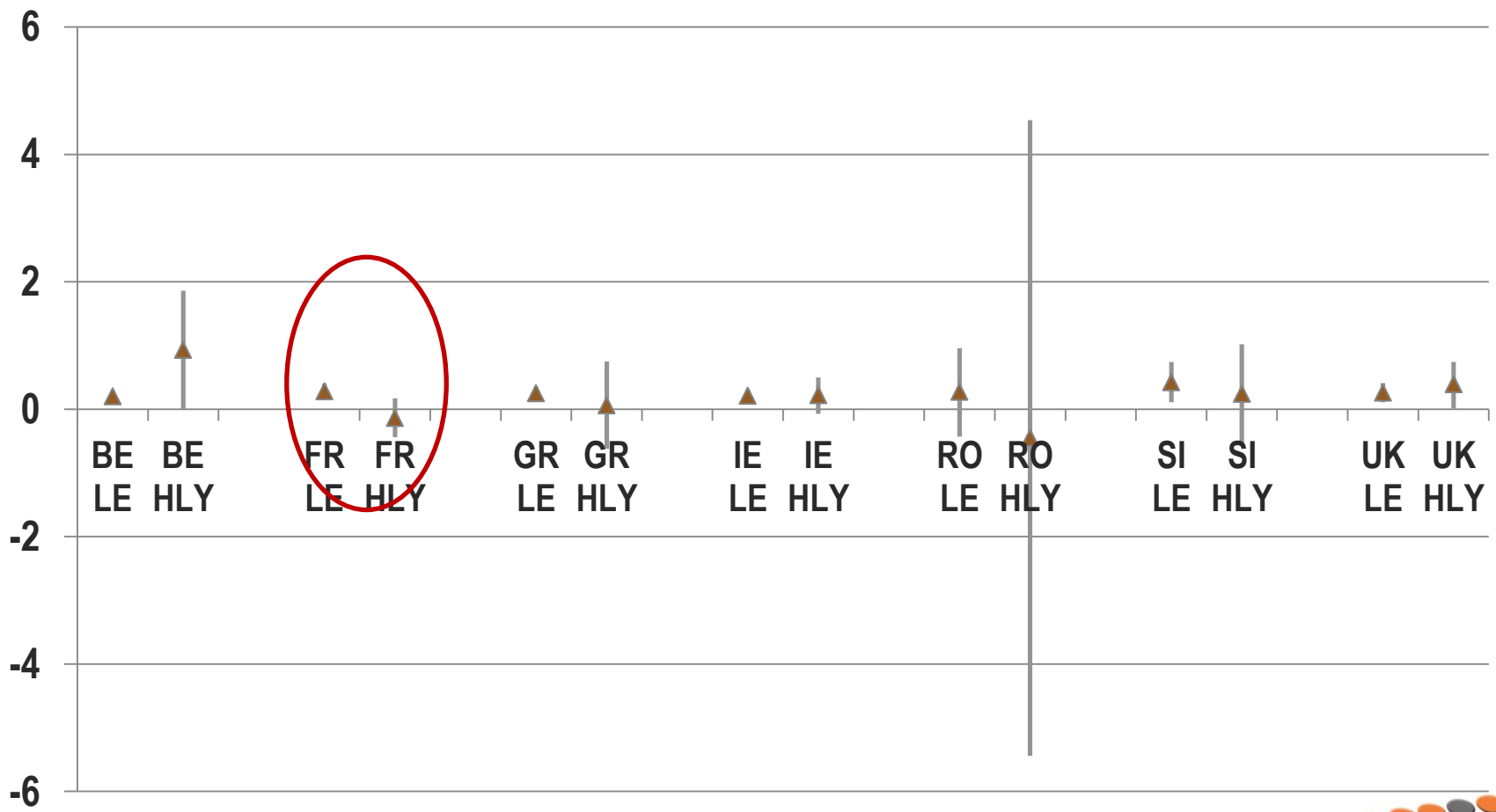
HLY at birth 2005-9: 7 MS

Estimated annual change in LE and HLY and 95% CI: men



HLY at birth 2005-9: 7 MS

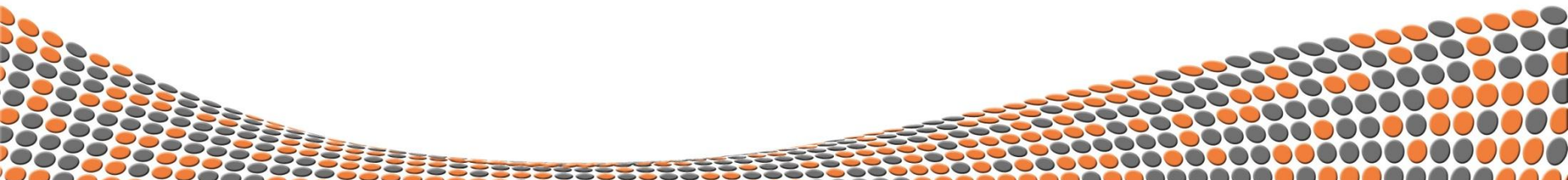
Estimated annual change in LE and HLY and 95% CI: women



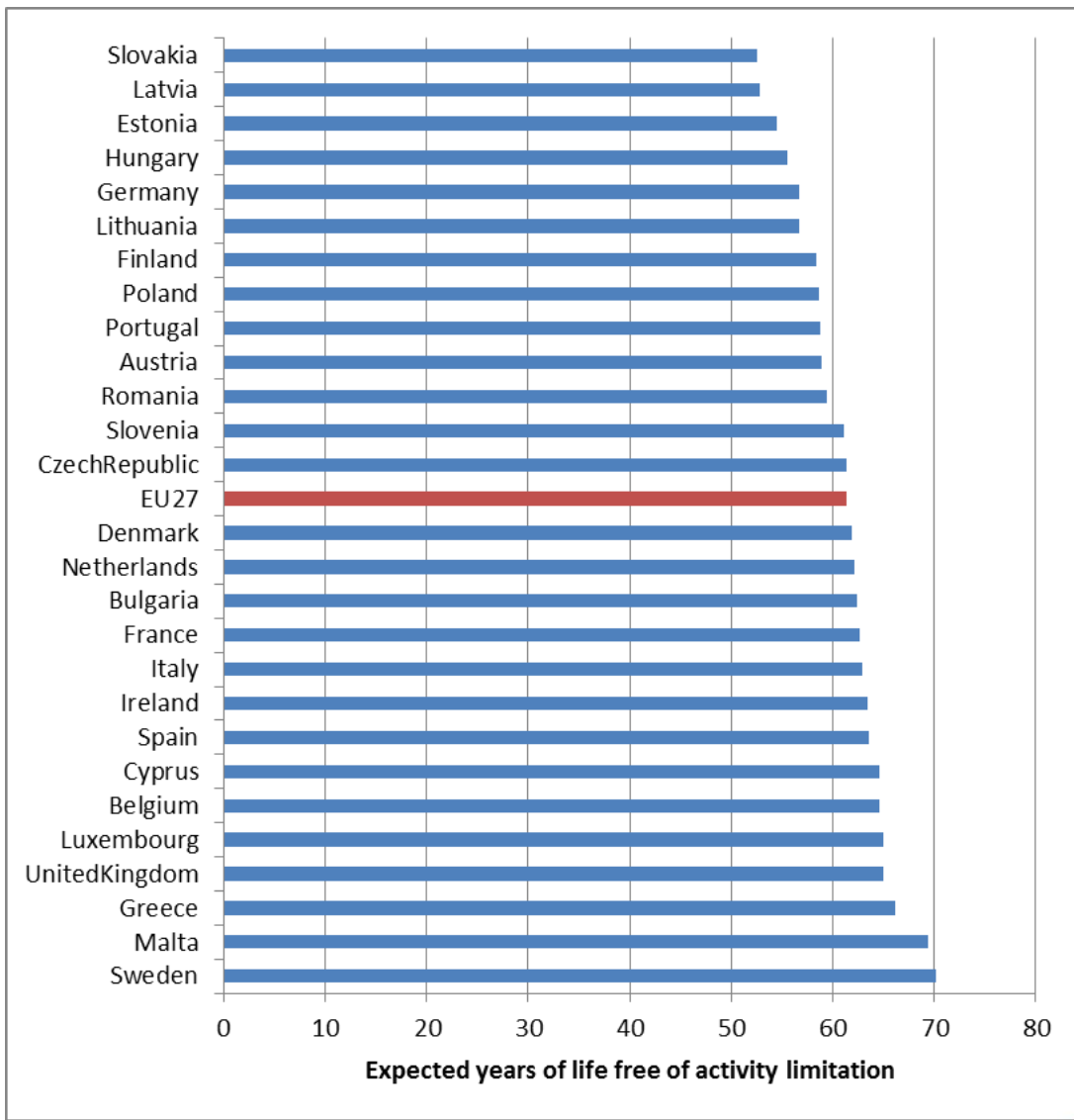
HLY projections 2010-2020

Methods

- To get HLY for 2010 used 2 methods
- For 7 MS with unchanged GALI question
 - ➔ used annual change in HLY/LE from linear regression extrapolated to 2010
 - ➔ applied Eurostat projection of LE to HLY/LE to get HLY
- For remaining MS and EU27
 - ➔ assumed mean of HLY/LE in 2008 and 2009 would remain constant for 2010
 - ➔ Not unrealistic as average change for 7 MS was <1 percentage point over 10 years
 - ➔ applied Eurostat projection of LE to HLY/LE to get HLY

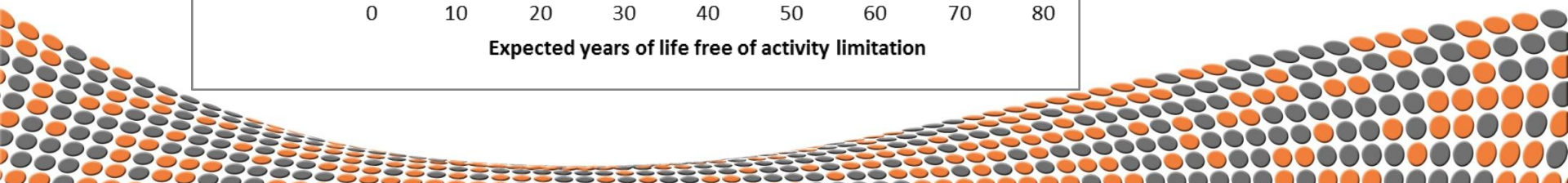


Projected HLY at birth 2010: men

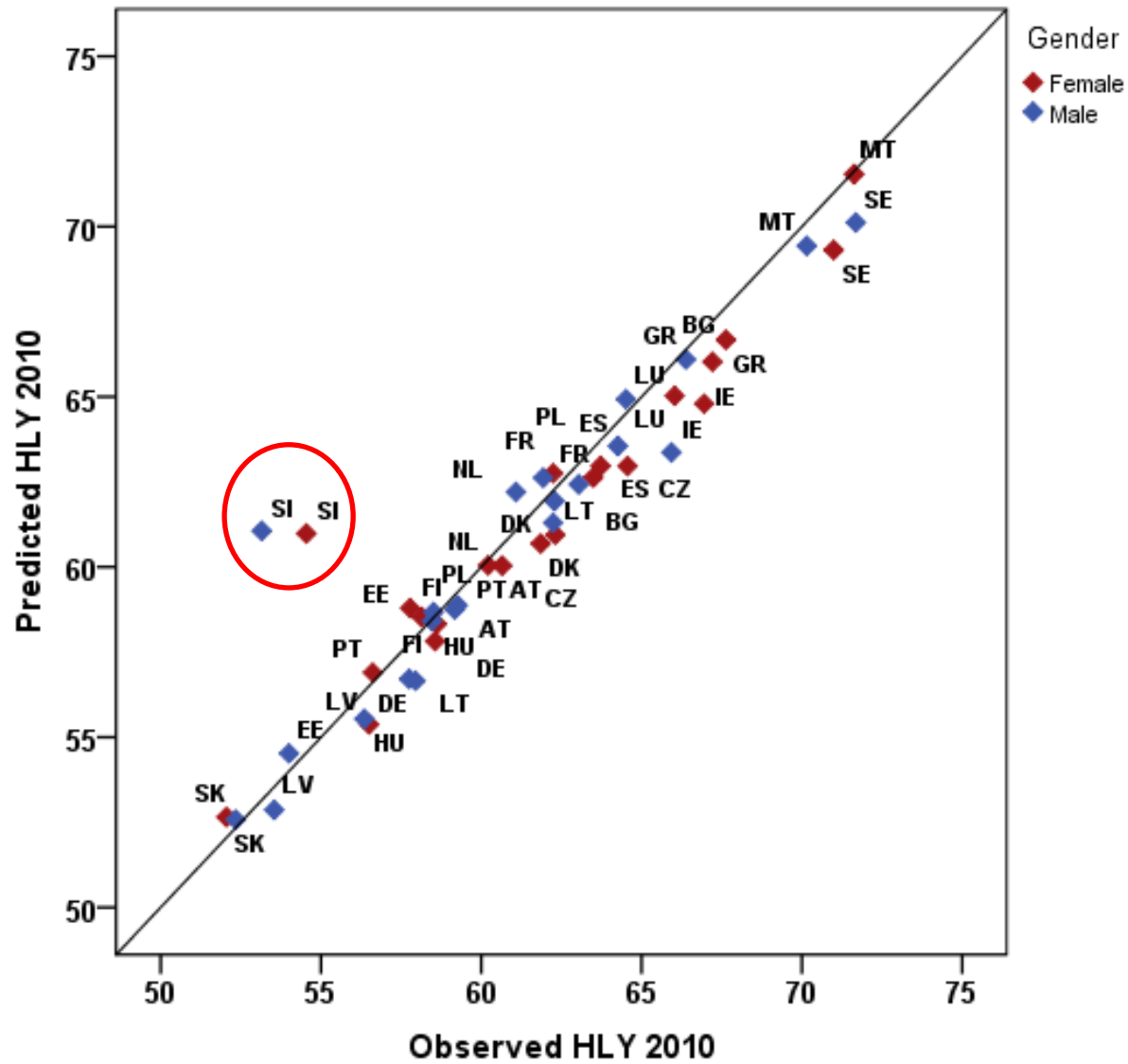


**Gap in HLY in 2010:
17.5 years (men)**

**Gap in HLY in 2005
17.3 years (men)**



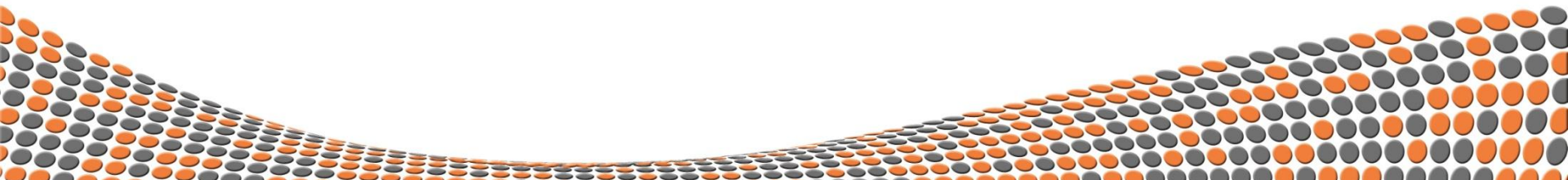
True v projected HLY at birth 2010 (22 MS)



HLY projections 2010-2020

Scenarios

- Four scenarios for projections 2010-2020
- Scenario 1:
 - ➔ current trends in HLY/LE used to get 2010 HLY values continue
- Scenarios 2-4 concentrated on reducing the gap
- Scenario 2
 - ➔ Closing HLY gap in 20 years (50% reduction of gap in 10 years)
- Scenario 3
 - ➔ As Scenario 2 and each MS achieves increase of 2 HLY over decade
- Scenario 4
 - ➔ As Scenario 2 and each MS has no increase in UnHLY (LE-HLY)



HLY projections 2010-2020

Results EU27 men

Gap in HLY in 2010: 17.5 years (men)

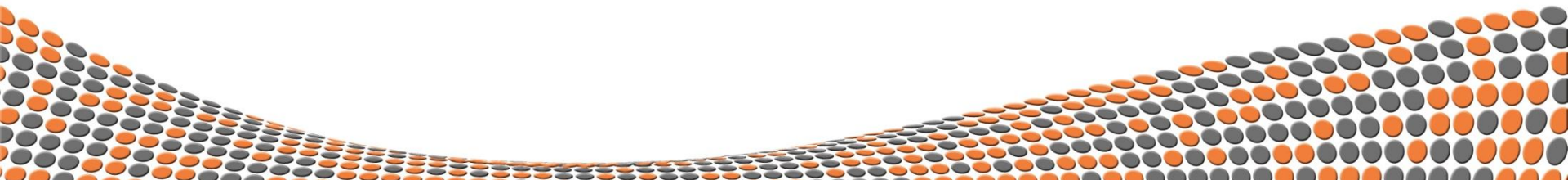
	Scenario 1	Scenario 2	Scenario 3	Scenario 4
EU Projected increase in HLY (years)	1.4	4.4	6.4	5.8
Number of MS achieving increase of 2HLY by 2020	9	25	27	25
Gap in HLY in 2020 (years)	18.3	9.1	9.1	9.1

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)



HLY projections 2010-2020 men sample of countries

Projected increase in HLY (years)

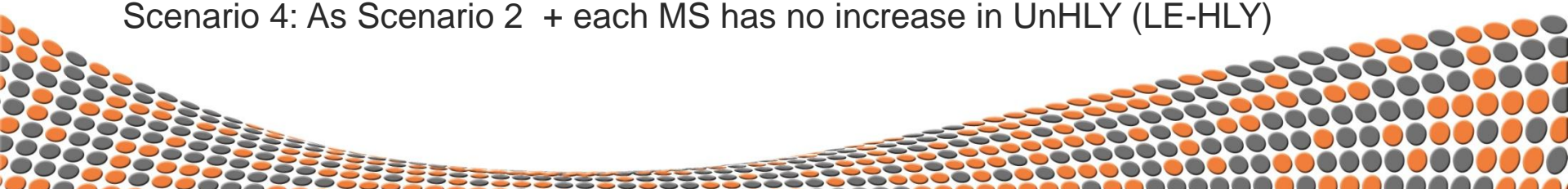
	LE increase	Scenario 1	Scenario 2	Scenario 3	Scenario 4
Slovakia	2.4	1.8	8.8	10.8	10.2
Romania	2.8	-2.2	5.3	7.3	6.7
Slovenia	1.9	8.1	4.5	6.5	5.9
Netherlands	1.4	1.1	4.0	6.0	5.4
France	1.7	1.2	3.8	5.8	5.2
Belgium	1.7	8.0	2.7	4.7	4.1
United Kingdom	1.6	1.0	2.6	4.6	4.0

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)



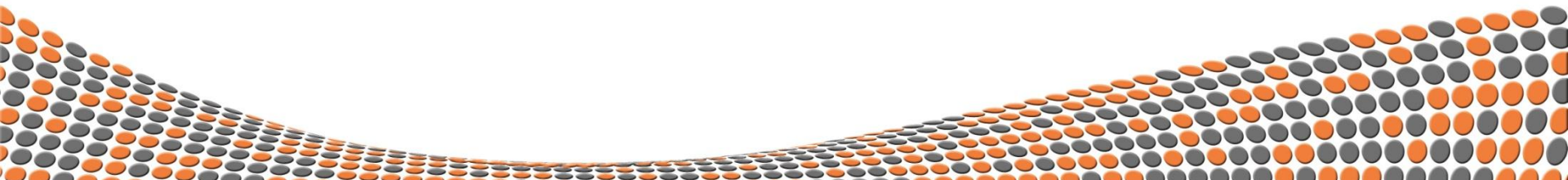
Strengths and limitations

● Limitations:

- ➔ Predicting future from past!!!!
- ➔ Current trends scenario extrapolates HLY based on 2008-9 values
- ➔ Gaps may depend on outliers
- ➔ Will increases in LE be sustained?

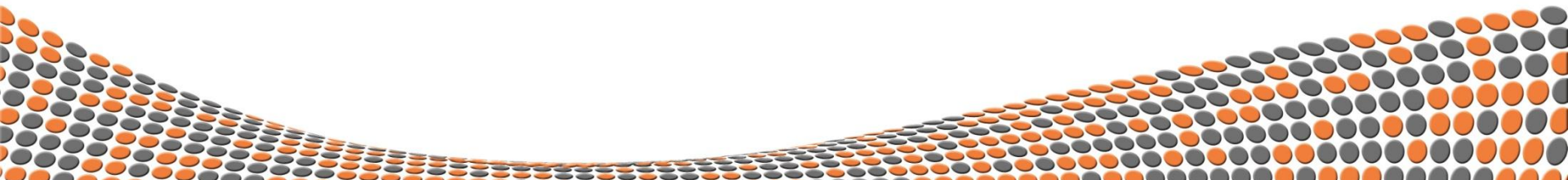
● Strengths

- ➔ 2008-9 HLY more harmonised
- ➔ Extrapolation of HLY based on 2008-9 values fits in with longer time series for 7 MS and on currently available 2010 values
- ➔ Gives insights into where policy should be focussed



- If current trends continue
 - 9 countries will reach EIPon-AHA target of an increase in 2 HLY over the next decade
 - Countries reaching target include Eastern European countries
 - Romania 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



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Mind the gap: different strategies to reach the EU goal of an increase of 2 HLY by 2020

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