

2008-2010 HLY figures

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Healthy Life Years (HLY)

- Summary measure (health expectancy)
- Selected as part of the Lisbon Strategy (2000-2010) to assess the quality of life and functional health status of Europeans
- Part of the European Community Health Indicators (ECHI)
- Set as the overarching target of the first partnership of Innovation Union: an increase in HLY of two years by 2020





Many concepts of health

HLY is a Disability-free life expectancy (DFLE)

(HLY/LE)*100

is the proportion of the remaining years free of disability





Global activity limitation (GALI)

For at least the past 6 months, to what extent have you been limited because of a health problem in activities people usually do?

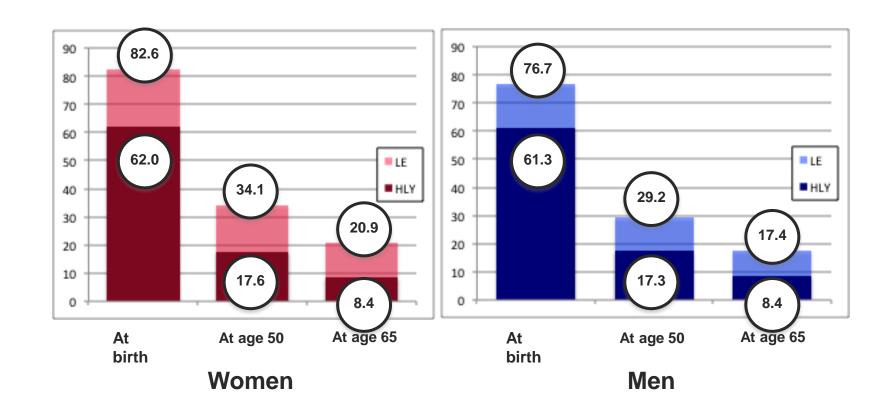
Would you say you have been...

- 1.severely limited
- 2.limited but not severely, or
- 3.not limited at all





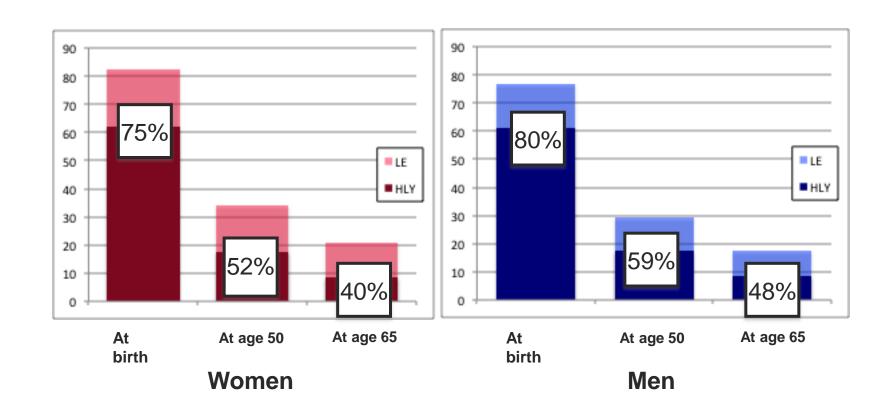
Life expectancy (LE) and the number of Healthy Life Years (HLY) in the European Union (EU27) in 2009







Life expectancy (LE) and the number of Healthy Life Years (HLY) in the European Union (EU27) in 2009





COUNTRY/ Life expectancy (years) Healthy Life Years (HLY) **Proportion HLY/LE (%) Mean HLY Gap HLY** /YEAR 2008 2008 2009 2008 2009 2008-2010 2010-2008 2009 2010 2010 2010 77.8 77.6 59.5 76.7 76.1 Austria 77.9 58.3 59.3 75.0 59.0 Belgium 76.9 77.3 63.3 64.0 82.3 82.8 Bulgaria 69.8 70.1 70.2 62.1 62.1 89.0 88.6 89.7 62.4 63.0 78.5 78.7 64.5 65.3 Cyprus 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 76.5 76.9 77.2 62.1 61.3 62.3 81.1 79.7 80.7 61.9 Denmark 68.7 69.8 70.7 53.0 54.0 77.2 79.1 76.4 54.1

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

Estonia 55.2 Finland 76.5 76.6 76.9 58.6 58.1 58.5 76.7 75.8 France 77.8 78.0 78.2 62.7 62.7 61.9 80.6 80.4 72.6 Germany

77.6 77.8 78.0 56.3 57.1 77.7 77.8 78.4 65.8 66.0 70.0 70.3 70.7 55.8 54.8

77.9

79.1

78.9

72.1

76.7

:

71.7

76.4

79.0

79.6

79.6

(Sweden)

68.0

(Lthuania)

11.6

2010

78.1

77.8

78.7

71.5

76.5

69.8

71.4

75.9

78.7

79.4

78.3

76.7

(Sweden)

67.5

(Lthuania)

11.9

2009

Life expectancy (years)

78.1 76.9

78.4

71.3

76.2

69.7

70.8

75.5

78.2

79.2

77.8

76.4

(Sweden)

66.3

(Lthuania)

12.9

2008

Luxembourg

Malta Netherlands

Poland

Portugal

Romania

Slovenia

Sweden

Spain

EU27

Maximun

Minimum

Gap Min-Max

COUNTRY/

/YEAR

(country)

(country)

Slovak Republic

United Kingdom

64.8

68.9

62.4

58.5

59.1

60.2

52.1

59.5

64.1

69.4

65.0

61.1

(Sweden)

51.8

(Latvia)

17.6

2008

65.5

69.6

61.7

58.3

58.2

59.8

52.4

60.5

62.8

70.7

65.1

61.3

(Sweden)

52.4

(Slovakia)

18.3

2009

Healthy Life Years (HLY)

57.9 66.4 56.4

64.5

70.2

61.1

58.5

59.2

52.3

b

64.3

71.7

71.7

(Sweden)

52.3

(Slovakia)

19.4

2010

83.0

89.6

79.6

82.2

77.6

86.3

73.5

78.7

81.9

87.6

83.5

80.0

89.6

(Malta)

72.6

(Germany)

17.0

2008

73.4 84.9 79.4 82.2 79.9 77.5 84.9

83.9

89.4

78.5

81.5

76.0

85.6

73.4

79.7

79.8

89.0

83.1

79.9

89.4

(Malta)

73.4

(Ger/Slovakia)

16.0

2009

Proportion HLY/LE (%)

76.0 79.1 74.3 84.7 79.7 83.8 78.0 85.0 82.8

88.6

77.4

81.1

77.1

73.0

b

81.3

90.0

90.0

(Sweden)

73.0

(Slovakia)

17.0

2010

57.1 1.6 0.6 1.6 2.4 1.7 2.9 64.9 -0.3 69.6 1.3 61.7 -1.3 0.0 58.4 58.8 0.1

58.4

62.4

52.3

b

63.7

70.6

70.6

(Sweden)

52.3

(Slovakia)

18.3

2008-2010

Mean HLY

1.0

0.9

1.0

0.2

1.0

-0.1

-0.8

0.2

b

0.2

2.3

2.9

(Lithuania)

-1.3

(Netherlands)

4.2

2010-2008

Gap HLY

84.7 66.1 Greece Hungary 55.7 78.4 Ireland 77.8 77.4 78.7 63.5 63.6 65.9 81.6 64.3 Italy 79.1 79.4 63.0 63.4 79.6 Latvia 67.0 68.1 68.6 51.8 52.8 53.5 77.3 52.7 66.3 67.5 57.3 82.7 56.6 Lithuania 68.0 54.8 57.7

Mean HLY Gap HLY /YEAR 2008 2009 2008 2009 2008 2009 2008-2010 2010-2008 2010 2010 2010 83.3 60.8 72.6 Austria 83.2 83.5 59.7 60.7 71.6 73.0 60.4 Belgium 82.6 82.8 64.2 63.7 77.8 76.9

Healthy Life Years (HLY)

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

Proportion HLY/LE (%)

19.3

2009

Proportion HLY/LE (%)

21.2

2010

21.4

2008

1.0

1.5

1.2

0.9

0.6

4.1

2010-2008

Gap HLY

19.1

2008-2010

Mean HLY

Bulgaria 77.0 77.4 77.4 65.7 65.9 67.2 85.2 85.1 86.9 66.3 83.1 65.5 78.8 79.4 Cyprus 83.7 66.4 Czech Republic 80.5 80.5 63.4 62.7 64.6 78.8 77.8 79.8 80.9 63.6

COUNTRY/

Life expectancy (years)

7.8

2008

Gap Min-Max

COUNTRY/

/YEAR

7.6

2009

Life expectancy (years)

7.9

2010

19.5

2008

81.0 81.1 81.4 61.0 60.3 61.9 75.3 74.4 76.0 79.5 80.2 80.8 57.5 59.2 58.1 72.3 73.8 72.0

Denmark 61.1 Estonia 58.3 Finland 83.3 83.5 83.5 59.5 58.3 57.8 71.4 69.9 69.2 58.5 84.8 85.0 85.3 64.6 63.3 63.5 76.1 74.4 74.4 63.8 82.7 82.8 83.0 57.7 58.0 58.6 69.8 70.1 70.6 58.1

-1.7 France -1.1 0.9 Germany 82.3 82.7 82.8 66.1 66.7 67.6 80.3 80.7 81.7 66.8 1.5 Greece Hungary 78.3 78.4 78.6 58.3 58.3 58.6 74.5 74.3 74.6 58.4 Ireland 82.4 82.5 83.2 65.0 65.1 66.9 78.8 79.0 80.4 65.7

0.3 1.9 Italy 84.5 84.6 61.9 62.5 73.2 73.9 77.8 78.0 78.4 54.6 56.1 56.5 70.2 71.8 72.1 55.7 1.9 77.6 78.7 78.9 59.9 77.2 77.7 79.0 2.4 61.1 62.3 61.1 77.5 83.1 83.3 83.5 64.4 66.2 66.0 79.4 79.0 65.5 1.6

Latvia Lithuania Luxembourg 85.7 81.9 82.7 83.6 72.1 71.0 71.6 88.0 85.8 71.6 -0.5 82.5 82.9 83.0 59.9 60.0 60.2 72.7 72.4 72.6 60.0 0.3

80.0 80.1 80.7 63.0 62.5 62.2 77.9 77.1 62.6 -0.8 78.7 82.4 82.6 82.8 57.6 56.2 56.6 69.9 68.0 68.4 56.8 -1.0

Malta Netherlands Poland Portugal Romania 77.2 77.4 62.8 61.7 79.7 81.4

Slovak Republic 79.0 79.1 79.3 52.6 52.6 52.1 66.6 66.5 65.7 52.4 -0.5 82.6 82.7 60.8 73.7 74.2 Slovenia 83.1 61.3 b b b b

Spain 84.5 84.9 85.3 63.6 62.3 63.7 75.3 73.4 74.7 63.2 0.1 Sweden 2.0

83.3 83.5 83.6 69.0 69.6 71.0 82.9 83.3 84.9 69.9 **United Kingdom** 81.9 82.5 66.3 66.0 80.1 81.0

EU27 82.6 62.2 62.0 75.5 75.0 82.4

85.3 71.6 86.9 71.6 2.4 Maximun 84.8 71.0 88.0 85.8

(Malta) (Malta) (Malta) (Malta) (France) (France) (France) (Malta) (Bugaria) (Malta) (Lithuania) -1.7

Minimum 77.0 77.4 77.4 52.6 52.6 52.1 66.6 66.5 65.7 52.4 (Bulgaria) (Bulgaria) (Bulgaria) (Slovakia) (Slovakia) (Slovakia) (Slovakia) (Slovakia) (Slovakia) (Finland) (Slovakia)

18.4

2009

Healthy Life Years (HLY)

19.5

2010

Healthy Life Years (HLY) -Gaps between Men and Women - EHLEIS Release April 19, 2012 (www.eurohex.eu)												
COUNTRY/	Life e	xpectancy (ye	ears)	Healt	thy Life Years	(HLY)	Proportion HLY/LE (%)			Mean	Mean HLY	
/YEAR	2008	2009	2010	2008	2009	2010	2008	2009	2010	2008-2	2010	
Austria	5.5	5.6	5.6	1.4	1.3	1.4	-3.4	-3.7	-3.5	1.4	4	
Belgium	5.7	5.5	:	0.9	-0.3	:	-4.5	-5.9	:	:		
Bulgaria	7.2	7.3	7.2	3.6	3.8	4.2	-3.8	-3.5	-2.8	3.9	€	
Cyprus	4.6	5.0	:	1.0	1.1	:	-3.3	-3.6	:	:		
Czech Republic	6.4	6.3	6.4	2.2	1.6	2.4	-3.9	-4.5	-3.7	2.1	1	
Denmark	4.5	4.2	4.2	-1.1	-1.0	-0.4	-5.8	-5.3	-4.7	-0.8	8	
Estonia	10.8	10.4	10.1	4.5	4.0	4.1	-4.9	-5.3	-4.4	4.2	2	
Finland	6.8	6.9	6.6	0.9	0.2	-0.7	-5.3	-5.9	-6.8	0.1	1	
France	7.0	7.0	7.1	1.9	0.6	1.6	-4.5	-6.0	-4.7	1.4	4	
Germany	5.1	5.0	5.0	1.4	0.9	0.7	-2.8	-3.3	-3.7	1.0		
Greece	4.6	4.9	4.4	0.3	0.7	1.2	-4.4	-4.2	-3.0	0.7		
Hungary	8.3	8.1	7.9	3.5	2.5	2.2	-3.9	-5.1	-5.1	2.7	7	
Ireland	4.6	5.1	4.5	1.5	1.5	1.0	-2.8	-3.2	-3.4	1.3	3	
Italy	5.4	5.2	:	-1.1	-0.9	:	-6.4	-6.0	:	:		
Latvia	10.8	9.9	9.8	2.8	3.3	3.0	-7.1	-5.7	-5.9	3.0		
Lithuania	11.3	11.2	10.9	5.1	3.8	4.6	-5.5	-7.2	-6.0	4.5		
Luxembourg	5.0	5.2	5.6	-0.4	0.7	1.5	-5.5	-4.5	-3.8	0.6		
Malta	5.0	4.9	4.5	3.2	1.4	1.4	-1.6	-3.6	-2.9	2.0		
Netherlands	4.1	4.2	4.1	-2.5	-1.7	-0.9	-6.9	-6.1	-4.8	-1.		
Poland	8.7	8.6	8.6	4.5	4.2	3.7	-3.5	-3.6	-4.0	4.1		
Portugal	6.2	6.1	6.1	-1.5	-2.0	-2.6	-7.7	-8.0	-8.7	-2.0	0	
Romania	7.5	7.6	:	2.6	1.9	:	-4.9	-5.9	:	:		
Slovak Republic	8.2	7.7	7.6	0.5	0.2	-0.2	-6.9	-6.9	-7.3	0.2		
Slovenia	7.1	6.8	6.7	1.3	8.0	:	-5.0	-5.5	:	b		
Spain	6.3	6.2	6.3	-0.5	-0.5	-0.6	-6.6	-6.4	-6.6	-0.5		
Sweden	4.1	4.1	4.0	-0.4	-1.1	-0.7	-4.7	-5.7	-5.1	-0.	7	
United Kingdom	4.1	4.2	:	1.3	0.9	:	-2.5	-3.0	:	:		
EU27	6.0	5.9	:	(1.1)	0.7	:	-4.5	-4.9	:			
				()	(")							
Maximun	11.3	11.2	10.9	5.1	4.2	4.6	-1.1	-8.0	-8.7	4.5	5	
	(Lithuania)	(Lithuania)	(Lithuania)	(Lithuania)	(Poland)	(Lithuania)	(Portugal)	(Portugal)	(Portugal)	(Litua	nia)	
Minimum	4.1	4.1	4.0	0.3	0.2	0.2	-1.6	-3.0	-2.8	0.1	1	
	(Sw/UK,/NI)	Sweden	Sweden	(Greece)	(Fin/Slovekia)	(Slovekia)	(Malta)	(U. Kingdom)	(Bulgaria)	(Finla	nd)	
Gap Min-Max	:	:		:	:		:	:		:		
/YEAR	2008	2009	2010	2008	2009	2010	2008	2009	2010	Mean	ШΥ	
	Life expectancy (years)			Healthy Life Years (HLY)			Proportion HLY/LE (%)				Mean HLY 2008-2010	
COUNTRY/	ше е	xpectancy (ye	ears)	Healt	iny Life Years	(ILT)	Prop	ortion HLY/L	- (%)	2008-2	2010	



SELF-PERCEIVED HEALTH





How is your health in general? Is it...

- 1. Very good
- 2.Good
- 3.Fair
- 4.Bad
- 5. Very bad



17.7 17.7 Austria **Belgium** 17.3 17.5 **Bulgaria** 13.5

2008

15.3

16.6

13.6

17.5

18.5

17.5

17.8

13.9

16.8

18.2

13.0

13.4

17.4

16.8

17.4

14.8

16.9

14.0

13.8

16.4

18.1

18.0

17.7

17.2

13.0

5.5

2008

/YEAR

COUNTRY/

Cyprus

Denmark

Estonia

Finland

France

Greece

Hungary

Ireland

Italy

Latvia

Malta

Poland

Portugal

Romania

Slovenia

Sweden

Spain

EU27

Maximun

Minimum

Gap

Min-Max

COUNTRY/

/YEAR

(country)

(country)

Slovak Republic

United Kingdom

Lithuania

Luxembourg

Netherlands

Germany

Czech Republic

13.8 13.6 18.1 18.0

Life expectancy (years)

2009

15.2

16.8

14.0

17.3

18.7

17.6

18.1

14.0

17.2

18.3

13.4

13.4

17.6

16.8

17.6

14.8

17.1

14.0

14.1

16.4

18.3

18.2

18.1

17.4

13.4

5.3

Life expectancy (years)

2009

15.5

17.0

14.2

17.5

18.9

17.8

18.5

14.1

18.1

13.3

13.5

17.3

18.4

17.7

15.1

17.1

14.0

16.8

18.5

18.3

18.9

13.3

5.6

2010

2010

17.9

2.8 6.8 3.0 10.4 1.9

6.9

6.8

6.1

7.4

2.3

10.4

5.1

1.5

1.2

7.7

5.0

10.8

1.9

2.1

3.8

2.2

4.9 7.9

11.3

10.6

6.4

1.2

10.1

2008

2008

7.0

9.1

2.9 7.0 3.2 9.7 2.0 6.1 7.1

6.4

7.0

2.3

10.7

5.1

1.9

1.4

8.0

5.4

10.4

2.1

2.5

3.8

2.1

4.5

7.7

11.3

10.7

6.5

1.4

9.9

LEan@ood@perceived@health@YGPH)

2009

LE@n@cod@berce ved@health@YGPH)

2009

9.4

LEangoodperceivedhealthaLEGPH)ananeEuropeananionalMenatagea55aEH\EISaReleaseaprila19,22012awww.eurohex.eu)

2010

7.4

3.2

3.2

10.0

2.7

6.1

7.0

6.3

7.1

1.8

11.6

1.8

1.1

8.4

5.5

10.6

2.3

2.6

2.4

4.6

7.5

11.7

11.7

1.1

10.6

2010

20(8

5

2.5

20.4

37.8

19.4

62.5

13.9

39.3

36.6

35.0

41.5

16.6

62.0

27.9

11.3

9.0

44.1

29.9

62.0

12.8

12.7

26.8

16.2

30.1

43.4

62.6

59.6

37.3

62.6

9.0

53.6

2008

39

Proportion (GPH/LEE)%)

2009

44.5

54.1

21.1

38.4

20.7

57.7

14.4

35.5

37.7

36.4

38.5

16.7

62.0

28.0

14.2

10.8

45.7

32.4

59.0

14.0

14.8

27.0

15.1

27.3

41.9

62.2

58.9

37.7

10.8

51.4

Proportion GPH/LET%)

2009

2010

41.3

23.2

20.9

58.9

19.1

34.9

36.8

35.3

38.5

12.6

63.9

13.5

8.0

48.5

29.8

59.7

14.9

15.1

17.5

27.3

40.2

63.7

63.9

8.0

55.9

2010

Gap@/GPH

2010-2008

0.4

0.4

0.2

-0.4

0.8

-0.8

0.2

0.2

-0.3

-0.5

1.2

0.3

-0.1

0.7

0.5

-0.2

0.4

0.5

0.2

-0.3

-0.4

0.4

?

1.2

-0.8

2.0

Gap@YGPH

2010-2008

Mean BYGPH

2008-2010

7.4

6.2

3.0

4.6

3.1

10.0

2.2

6.4

7.0

6.3

7.2

2.1

10.9

3.4

1.7

1.2

8.0

5.3

10.6

2.1

2.4

2.5

2.2

4.7

7.7

11.4

7.1

4.3

11.4

1.2

10.2

Mean BYGPH

2008-2010



CHRONIC MORBIDITY





Do you have any chronic illness or condition?

- 1. Yes
- 2. No





FOR EACH OF THE 27 MEMBER STATES

Annual country report





Page 1

EHEMU Country Reports Issue 5 – April 2012

JA: EHLE

Health Expectancy in Belgium



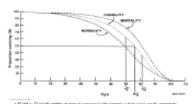
What is health expectancy?

whether or not longer life is being accompanied by an increase in the time lived in good health (the compression of morbidity scenario) or in bad health (expansion of morbidity). So health expectancies divide life expectancy into life spent in different states of health, from say good to bad health. In this way they add a dimension of quality to the quantity of life lived.

How is the effect of longer life measured?

he general model of health transitions (WHO, 1984) shows the differences between life spent in different states: total survival, disability-free survival and survival without chronic disease. This leads naturally to life expectancy (the area under the 'mortality' curve), disability-free life expectancy (the area under the 'disability' curve) and life expectancy without chronic disease (the area under the 'morbidity' curve).

The general model of health transition (WHO, 1984): observed mortality and hypothetical morbidity and disability survival curves for females, USA, 1980



M., " a rise agr is which SPS, of familiar could organ to some without the of economy.

There are in fact as many health expectancies as concepts of health. The commonest health expectancies are those based on self-perceived health, activities of daily living and on chronic morbidity.

How do we compare health expectancies?

ealth expectancies are independent of the size of populations and of their age structure and so they allow direct comparison of different population subgroups: e.g. sexes, socio-professional categories, as well as countries within Europe (Robine et al., 2003).

Health expectancies are most often calculated by the Sullivan method (Sullivan, 1971). However to make valid comparisons, the underlying health measure should be truly comparable.

o address this, the European Union has decided to include a small set of health expectancies among its European Community Health Indicators (ECHI) to provide summary measures of disability (i.e., activity limitation), chronic morbidity and perceived health. Therefore the Minimum European Health Module (MEHM), composed of 3 general questions covering these dimensions, has been introduced into the Statistics on Income and Living Conditions (SILC) to improve the comparability of health expectancies between countries.* In addition life expectancy without long term activity limitation, based on the disability question, was selected in 2004 to be one of the structural indicators for assessing the EU strategic goals (Lisbon strategy) under the name of "Healthy Life Years" (HLY).

Further details on the MEHM, the European surveys and health expectancy calculation and interpretation can be found on www.eurohex.eu.

What is in this report?

his report is produced by the Joint Action European Health and Life Expectancy Information System (EHLEIS) as part of a country series. In each report we

- Life expectancies and Healthy Life Years (HLY) at age 65 for the country of interest and for the overall 25 (27 after 2007) European Union member states (EU25 then EU27), using the SILC question on long term health related disability, known as the GALI (Giobal Activity Limitation Indicator), from 2004 to 2009. The wording of the question has been revised in 2008. When available, we provide previous HLY series based on the disability question of the 1995-2001. European Community Household Panel (ECHP);
- Health expectancies based on the two additional dimensions of health (chronic morbidity and selfperceived health) for the country of interest, based on SLC 2009-
- * The correlation between life expectancies and HLY at age 50 in 2005 (EU25) and 2009 (EU27) for the member states.

References

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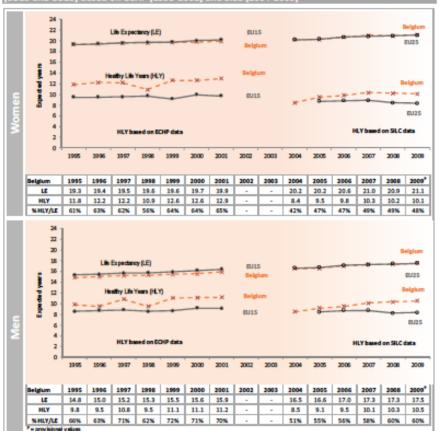
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Life expectancy (LE) and Healthy Life Years (HLY) at age 65 for Belgium and the European Union (EU15 and EU25) based on ECHP (1995-2001) and SILC (2004-2009)



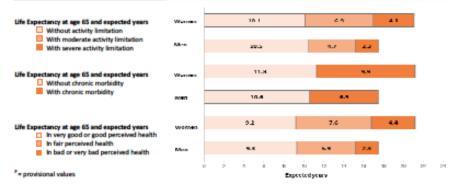
Key points:

Belgian life expectancy (LE) at age 65 has increased by 1.5 years for women and 2.0 years for men over the 1999-2009 period: LE for men between 1995-2001 was slightly below the EU15 average. By 2009 LE for both sexes was close to the EU27 average (20.7 for women and 17.2 for men).

Over the 1995-2001 period, health expectancy based on activity limitation (HLY) at age 65 from the ECHP data increased in Belgium. The proportion of HLY (or years without self-reported limitations due to health condition or disability), within the total expected years, slightly increased for both sexes between 1995 and 2001, being close to 65% for women and 70% for men in 2001. Between 1995 and 2001 HLY in Belgium was above the EU15 average.

The new HLY series, initiated in 2004 with the SILC data, shows values for Belgium being in 2009 about 2 years above the EU27 average (8.2 for women and men). In 2009 women and men at age 65 can expect to spend 48% and 60% of their life without self-reported long-term activity limitations respectively. HLY continually increased for men in Belgium between 2004 and 2009. For women HLY increased until 2007 but tends to stagnate/decrease since that year. The wording of the GALI question has not needed to be changed in Belgium since the new HLY series was initiated.

Life and health expectancies at age 65 based on activity limitation (Healthy Life Years), chronic morbidity and perceived health for Belgium (Health data from SILC 2009)



Key points:

In 2009, LE at age 65 in Belgium was 21.1 years for women and 17.5 years for men.

Based on the SILC 2009, at age 65, women spent 10.1 years (48% of their remaining life) without activity limitation (corresponding to Healthy Life Years (HLY)), 6.9 years (33%) with moderate activity limitation and 4.1 years (19%) with severe activity limitation.*

Men of the same age spent 10.5 years (60% of their remaining life) without activity limitation compared to 4.7 years (27%) with moderate activity limitation and 2.3 years (13%) with severe activity limitation.*

Although the total years lived by men were less than those for women, the number of years lived in very good or good perceived health and the years lived without activity limitation were almost similar. However the number of years lived without chronic morbidity was slightly greater for women than men. Compared to men, women spent a larger proportion of their life in iil health, and spent more years with severe health problems.

These results should be interpreted cautiously given the lack of the institutional population, such as people living in nursing homes, and in some countries the small sample size. The sample size for Belgium comprised 1168 women and 1023 men aged 65+ years in 2009.

Publications and reports on health expectancies for Belgium

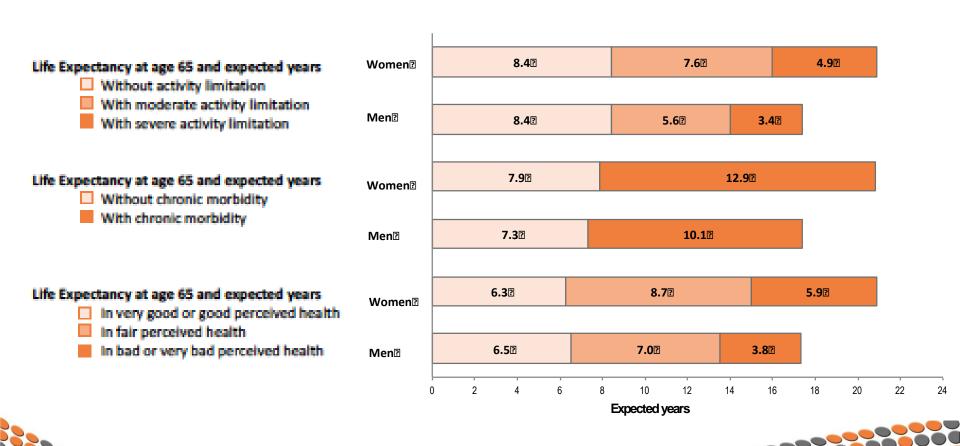
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^{*} These may not sum to Life Expectancy due to rounding

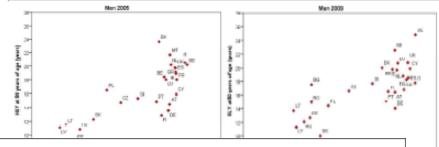


Life and health expectancies at age 65 in the European Union in 2009





ife expectancy (LE) and healthy life years (HLYs) at 50 years of age in 2005 and 2009, by sex ILC EU25 2005 and SILC EU27 200



Articles

www.thelancet.com Vol 372 December 20/27, 2008



M Inequalities in healthy life years in the 25 countries of the European Union in 2005: a cross-national meta-regression analysis

Carol Jaqqer, Clare Gillies, Francesco Moscone, Emmanuelle Cambois, Herman Van Oyen, Wilma Nusselder, Jean-Marie Robine, and the EHLEIS team

Summary

Lancet 2008; 372: 2124-31

Published Online November 17, 2008 DOI:10.1016/S0140-6736(08)61594-9

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See Comment page 2090

See Department of Error

Department of Health Sciences (Prof C Jagger PhD, C Gillies PhD) and Department of Economics (FMoscone PhD), University of Leicester, Leicester, UK; French Institute for Demographic Studies, INED, Paris, France (E Cambois PhD); Scientific Institute of Public Health. Brussels, Belgium (Prof H Van Oyen PhD); Erasmus Medical Center, University

Medical Center Rotterda

Background Although life expectancy in the European Union (EU) is increasing, whether most of these extra years are spent in good health is unclear. This information would be crucial to both contain health-care costs and increase labour-force participation for older people. We investigated inequalities in life expectancies and healthy life years (HLYs) at 50 years of age for the 25 countries in the EU in 2005 and the potential for increasing the proportion of older people in the labour force.

Methods We calculated life expectancies and HLYs at 50 years of age by sex and country by the Sullivan method, which was applied to Eurostat life tables and age-specific prevalence of activity limitation from the 2005 statistics of living and income conditions survey. We investigated differences between countries through meta-regression techniques, with structural and sustainable indicators for every country.

Findings In 2005, an average 50-year-old man in the 25 EU countries could expect to live until 67.3 years free of activity limitation, and a woman to 68.1 years. HLYs at 50 years for both men and women varied more between countries than did life expectancy (HLY range for men: from 9·1 years in Estonia to 23·6 years in Denmark; for women: from 10·4 years in Estonia to 24·1 years in Denmark). Gross domestic product and expenditure on elderly care were both positively associated with HLYs at 50 years in men and women (p<0.039 for both indicators and sexes); however, in men alone, long-term unemployment was negatively associated (p=0·023) and life-long learning positively associated (p=0.021) with HLYs at 50 years of age.

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int Action EHLEIS - Paris, April 19th, 2012

First annual meeti



Advanced research on European health expectancies



○ WELCOME

EurOhex is a website which provides access to research on health expectancies in Europe. It includes a database on health indicators comprising life expectancies and Healthy Life Years (HLY) for 27 European countries.

From 2011 onwards projects on health expectancies are conducted in the framework of a Joint Action between the European Commission and the Member-States:



The JA:EHLEIS contributes to the <u>European Innovation Partnership</u> (EIP) on Active an Healthy Ageing as well as to the European Year for Active Ageing.





The JA:EHLEIS follows:

Euro-REVES (1994-2002)



Ehemu (2004-2007)



Ehleis (2007-2010)



We hope that you find this site to be a useful online resource, and welcome any <u>comments</u> or questions that you may have about it or the Joint Action.

EurOhex is part of the international network on health expectancies

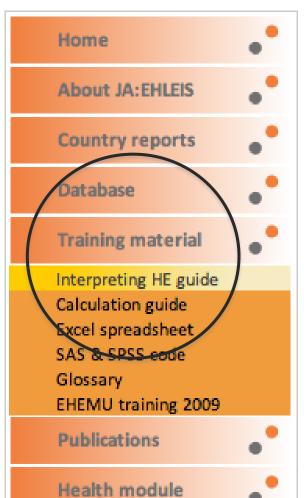


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Advanced research on European healt



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EHEMU Reports June 2007



INTERPRETING HEALTH EXPECTANCIES

Most countries in the world are ageing rapidly with longer and longer life expectancies. Whether these extra years are healthy or with increasing disability and dependence is important for governments, health services and individuals. Health expectancies were first developed to answer this question. The European Health Expectancy Monitoring Unit (EHEMU) has developed this guide to aid the understanding and interpreting health expectancies and to accompany the more technical guide on how to calculate health expectancies¹.

What are health expectancies?

Health expectancies are a natural extension of the well known indicators of life expectancies. Life expectancies measure the number of remaining years to be lived at a particular age, considering the current mortality level of the country. For example in 2004 the female life expectancy at birth in Belgium was 81.4 years, so a baby girl born in 2004 could expect to live to age 81 years, assuming the conditions of 2004 prevailed over her whole life. By considering not only mortality but also ill-health at particular ages we can divide this remaining number of years into years spent in good and bad health – these are then health expectancies. Health expectancies add a quality dimension to the quantity of life lived.

As there are many dimensions of health, there are many health expectancies. The proposed new EU structural indicator Healthy Life Years (HLY) is based on limitations in daily activities and is therefore a disability-free life expectancy, one of the most common health expectancies reported. Others include healthy life expectancy (based



Thank you for your attention!

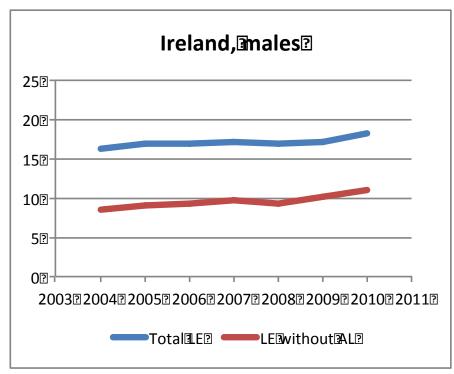


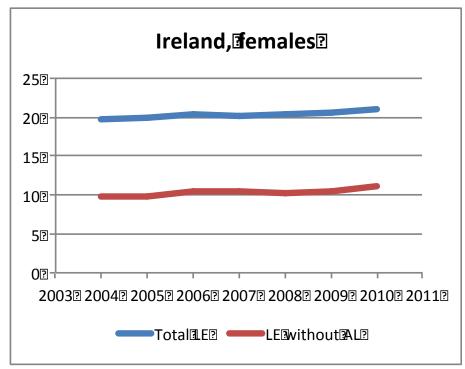


www.eurohex.eu



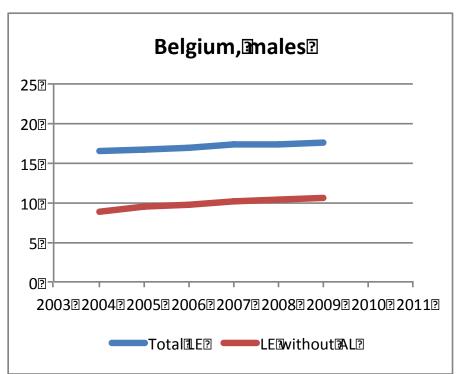


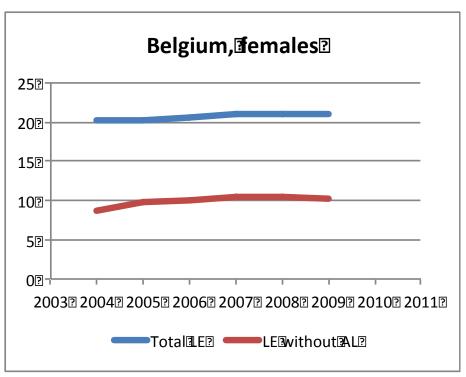




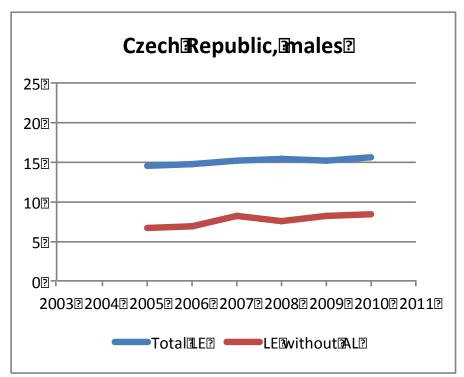


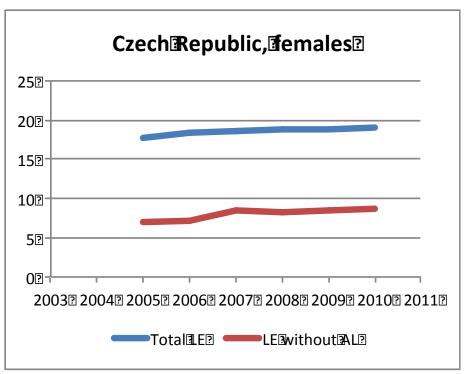




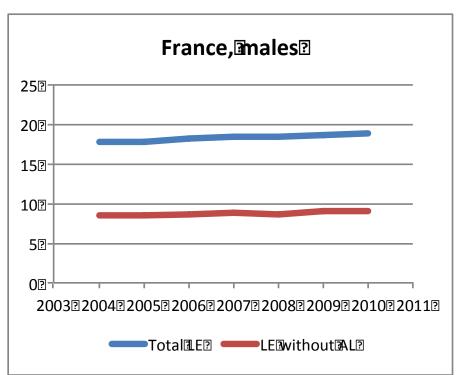


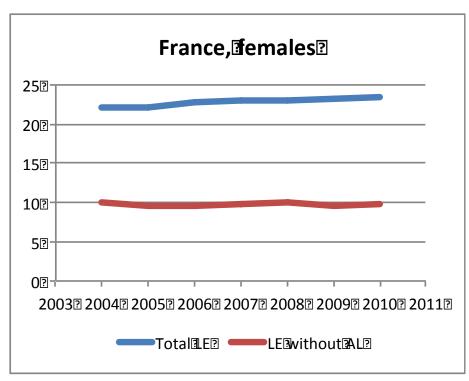




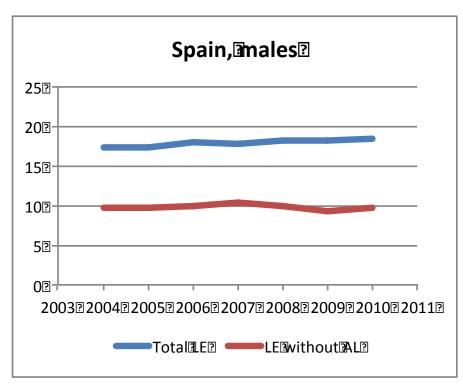


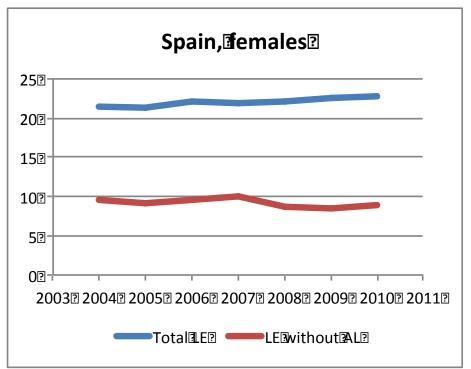




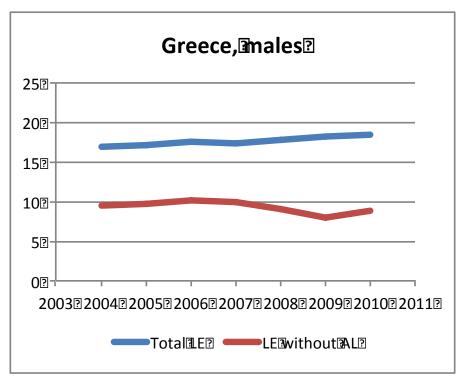


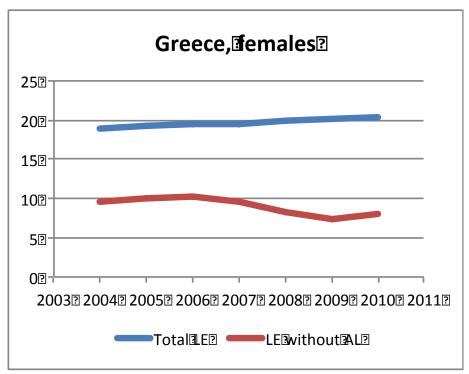




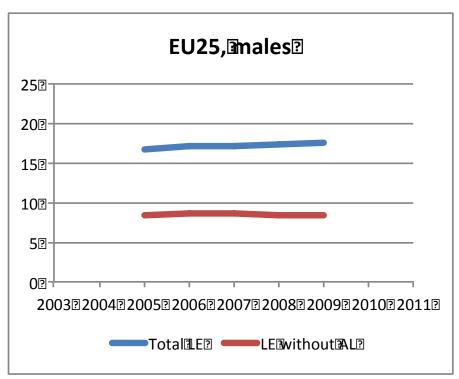


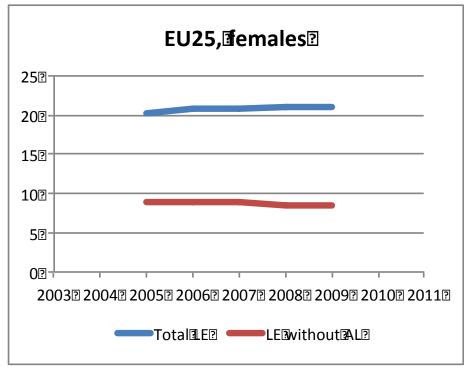
















Release of the new LE and HLY figures 2008-2010 values

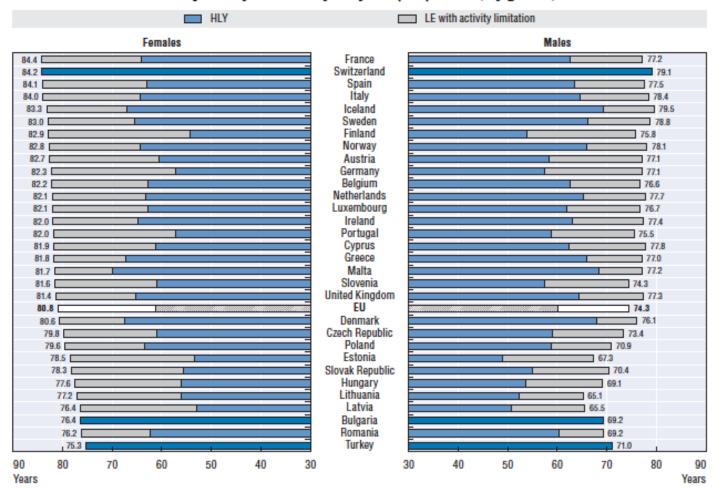
Jean-Marie Robine for the EHLEIS Group



Health at a Glance Europe 2010



1.1.1. Life expectancy and healthy life years (HLY) at birth, by gender, 2005-07



Source: European Health and Life Expectancy Information System (EHLEIS); OECD Health Data 2010; Eurostat Statistics Database.

StatLink ** http://dx.doi.org/10.1787/888932335400

1.1.2. Healthy life years (HLY) at birth, 2005-07 and GDP per capita, 2007

1.1.3. Healthy life years (HLY) at birth, 2005-07 and health spending per capita, 2007

HLY (years) HLY (years)