Health Expectancy in Italy

What is health expectancy?

Health expectancies were first developed to address 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 time 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?

The 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).

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How do we compare health expectancies?

Health 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.

To address this, the European Union has decided to include a small set of health expectancies among its European Core 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?

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

- Life expectancies and Healthy Life Years (HLY) at age 65 for the country of interest and for the overall 28 European Union member states (EU28), using the SILC question on long term health related disability, known as the GALI (Global Activity Limitation Indicator), from 2004 to 2013. The wording of the question has been revised in 2008 for most countries. However it was made in 2007 in Italy;
- Prevalence of activity limitation in the country of interest and in the European Union based on the GALI question by sex and age group;
- Health expectancies based on the two additional dimensions of health (chronic morbidity and self-perceived health) for the country of interest, based on SILC 2013;
- Life expectancy and HLY at age 65 in the member states of European Union in 2008 and 2013, by gender.

References


* Before the revision of 2008, the translations of the module used in some countries were not optimum (See Eurostat-EU Task Force on Health Expectancies common statement about the SILC data quality).
Life expectancy (LE) and Healthy Life Years (HLY) at age 65 for Italy and the European Union (EU28) based on SILC (2007-2013*)

Key points:

Italian life expectancy (LE) at age 65 has increased by 1.3 years for women and 1.6 years for men over the period 2004-2013. LE was above the EU28 average (21.3 for women and 17.9 for men) in 2013.

The HLY series shows values for Italy in 2013 being below the EU28 average which is 8.6 for women and 8.5 for men. In 2013 women and men at age 65 can respectively expect to spend 31% and 41% of their life without self-reported long-term activity limitations.

Between 2007 and 2011 HLY remained almost stable for women and men in Italy but all remained below the EU 28 average. From 2011 to 2012 HLY remained stable for women but decreased for men, while no change was observed from 2012 to 2013.

*Data on activity limitation for 2010 have been estimated as the mean prevalence of 2009 and 2011. Time series of LE may be different from previous report because they have been recalculated according to Eurostat estimated.

Prevalence of activity limitation in Italy and in the European Union (EU27) based on the GALI question, by sex and age group (SILC, Mean 2011-2013)

Reports of limitation in usual activities strongly increase with age in the European Union and women systematically report slightly more activity limitation than men. Compared to the mean trajectory by age observed in the European Union in the years 2011-2013, Italy tends to display similar or slightly lower prevalence rate of activity limitation before the age of 65 years for men and 60 for women and higher after this age.

These results should be interpreted with caution as samples sizes in the SILC survey vary remarkably; for instance in 2013 they ranged from 5429 in Denmark to 38039 in Italy. In 2013, the sample size for Italy comprised 19958 women and 18081 men aged 16 years and over.
Life and health expectancies at age 65 based on activity limitation (Healthy Life Years), chronic morbidity and perceived health for Italy (Health data from SILC 2013)

**Key points:**

In 2013, LE at age 65 in Italy was 22.6 years for women and 18.9 years for men.

Based on the SILC 2013, at age 65, women spent 7.1 years (31% of remaining life) without activity limitation (corresponding to Healthy Life Years (HLY)), 8.9 years (39%) with moderate activity limitation and 6.5 years (29%) with severe activity limitation.*

Men of the same age spent 7.7 years (41% of remaining life) without activity limitation compared to 6.9 years (36%) with moderate activity limitation and 4.4 years (23%) with severe activity limitation.*

Although total years lived by men were less than those for women, the numbers of years lived in good or good perceived health and the years lived without activity limitation were slightly larger for men. However, the number of years lived without chronic morbidity was greater for women than men.

Compared to men, women spent a larger proportion of their life in ill health and the years of ill health were more likely to be years with severe health problems.

These results should be interpreted with caution given the lack of the institutional population, such as people living in nursing homes, and the sample size. For Italy it comprises 5753 women and 4473 men aged 65+ years in 2013.

* These may not sum to Life Expectancy due to rounding

**Publications and reports on health expectancies for Italy**

- Zauli S., Battisti A., Frova L., Lauriola P. “La speranza di vita per condizioni di salute (Healthy Life Years): un indice di grande interesse, ma da utilizzare con prudenza” (Healthy Life Years: a very promising indicator to be handled with caution) Epidemiologia & Prevenzione 2014; 38
- ISTAT. Il Benessere equo e sostenibile. 2012 http://www.misuredelbenessere.it /
Life expectancy (LE) and healthy life years (HLY) at age 65 in the member states (MS) of the European Union (EU) in 2008 and 2013: Correlation between genders (Health data from SILC 2008 and 2013)

In 2013, LE at age 65 varies by 9.7 years in the EU from 13.9 years for men in Latvia to 23.6 years for women in France. In each MS, LE for women is always higher than for men – around 3.4 years on average. The proportion of LE free of activity limitation (corresponding to HLY) varies by country from 19.8% to 68.9%. Even ignoring potential outliers there still appears to be considerable cross-national variation. Men and women live about the same amount of time without activity limitations. Next to the 7 MS where the number of HLY was already slightly larger for men than for women in 2008, a slightly larger HLY in men is observed in an additional 5 MS in 2013.

BRIDGE-Health (Bridging Information and Data Generation for Evidence-based Health Policy and Research)

The European Health and Life Expectancy Information System (EHLEIS) is part of BRIDGE-Health which aims to prepare the transition towards a sustainable and integrated EU health information system within the third EU Health Programme, 2014-2020 (www.bridge-health.eu).