



November 29<sup>th</sup> 2021

LIFE EXPECTANCY AT AGE 65 – Provisional data  
2019-2021

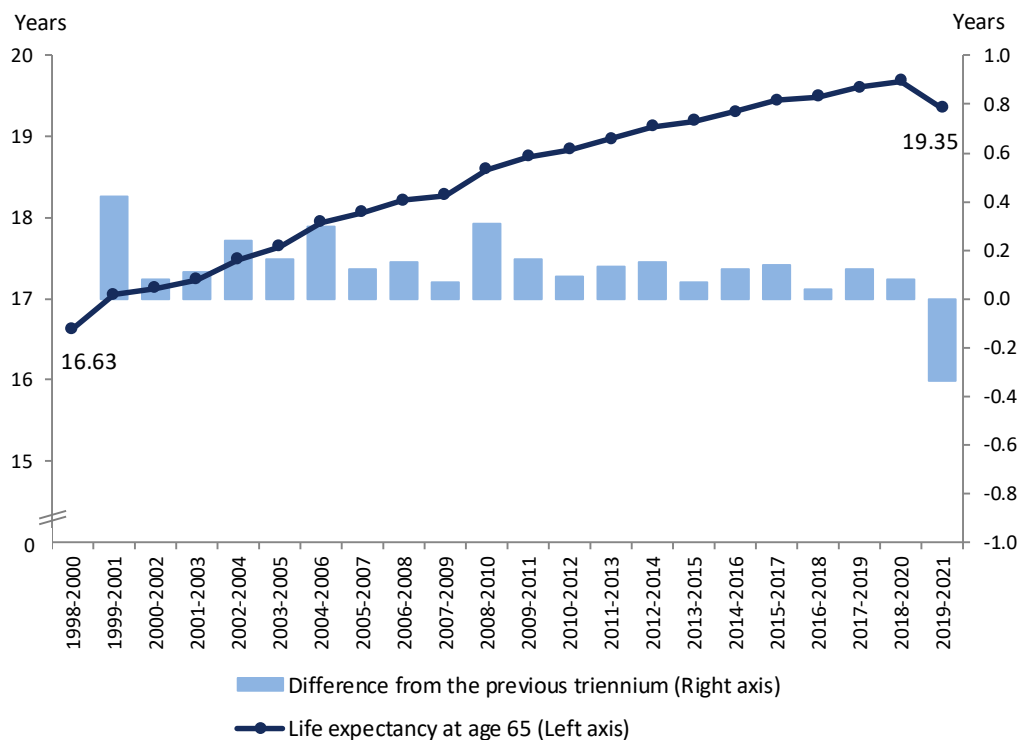
## 2019-2021 PROVISIONAL ESTIMATE OF LIFE EXPECTANCY AT AGE 65

### THE PROVISIONAL VALUE OF LIFE EXPECTANCY AT AGE 65 WAS ESTIMATED AT 19.35 YEARS

In the 2019-2021 triennium, the provisional value of life expectancy at age 65 was estimated at 19.35 years, which represents a decrease of 0.34 years from the 2018-2020 triennium.

INE publishes today on its website – [www.ine.pt](http://www.ine.pt) – the provisional value of life expectancy at age 65 for the 2019-2021 triennium. Life expectancy at age 65 was estimated at 19.35 years, corresponding to a reduction of 0.34 years (4 months) compared to the previous triennium (19.69 years in 2018-2020), as a result of the increase in the number of deaths in the context of the COVID-19 pandemic.

Figure 1: Life expectancy at age 65 (years), Portugal, 1998-2000 to 2019-2021



Source: Statistics Portugal, Complete life tables for Portugal 2000-2002, 2001-2003, 2002-2004, 2003-2005, 2004-2006, 2005-2007, 2006-2008, 2007-2009, 2008-2010, 2009-2011 (revised series based on the 2011 Census - final values), 2010-2012, 2012-2014, 2013-2015, 2014-2016, 2015-2017, 2016-2018, 2017-2019, 2018-2020 (post-census series) and 2019-2021 (provisional values), according to the methodology presented to the Statistical Council on November 19<sup>th</sup>, 2007.



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## TECHNICAL NOTE

The provisional estimate of life expectancy at age 65 for 2019-2021 is obtained from the provisional complete life table (age 65 and over) for Portugal (both sexes) for 2019-2021. The provisional value of life expectancy at age 65, calculated annually by INE, is published in November of each year, according to the Decree-Law No. 187/2007, of May 10<sup>th</sup>, and amendments and wording given by the Decree -Law No. 167-E/2013, of December 31<sup>st</sup>, for purposes of determining the normal access age to the old-age pension under the general social security regime and the sustainability factor to be applied to the statutory amount of old-age pensions under the general social security regime.

In calculation of the provisional estimate of life expectancy at age 65 for 2019-2021, the following are considered:

1. Deaths registered in the years 2019 and 2020.
2. The estimated value of deaths in the upper triangle of Lexis in 2021, based on the provisional values of deaths for the months of January to October 2021 registered in the Civil Registry Offices up to 9<sup>th</sup> November 2021.
3. Provisional resident population estimates for 2019 and 2020 based on the 2011 Census.

The methodology for calculating the provisional estimate of life expectancy at age 65 for the period 2019-2021 is broken down into the following steps:

1. Calculation of the provisional number of deaths registered from January to October 2021 in the upper triangle of Lexis.
2. Based on the hypothesis of uniform distribution of deaths in the upper triangle of Lexis, the missing proportion is applied to the value obtained in 1., obtaining the provisional total of deaths in this triangle for the year 2021.
3. Distribution of total deaths in Lexis' upper triangle by age (year to year), based on the average age structure of mortality observed in that triangle over the last three years.
4. Calculation of mortality quotients for the period 2019-2021, preparation of the mortality table and obtaining the estimated life expectancy at 65 years, according to the methodology described in the methodological document "Complete Mortality Tables, v. 2.0" available on the INE Portal.

## DEFINITIONS

**Life expectancy at age 65:** Average number of years that a person who reaches the exact age of 65 years can still expect to live, maintaining current age-specific mortality rates.

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Detailed methodological information available at: [www.ine.pt](http://www.ine.pt), option Products, Metadata system.

Detailed statistical information available at: [www.ine.pt](http://www.ine.pt), option Products, Statistical data, database, theme Population, subtheme Mortality and life expectancy.