



# Complete Life Tables for Singapore Resident Population 2020-2021

**Complete Life Tables for Singapore Resident Population, 2020-2021**  
**ISSN 2591-7560**

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We deliver Insightful Statistics and Trusted Statistical Services that  
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<b>Accessibility</b>	<i>We make our statistics readily available through user-friendly platforms.</i>
<b>Confidentiality</b>	<i>We protect the confidentiality of information collected by us.</i>
<b>Timeliness</b>	<i>We disseminate statistics at the earliest possible date while maintaining data quality.</i>
<b>Innovation</b>	<i>We constantly seek ways to improve our processes, leveraging on new technology where feasible, to deliver better products and services to users.</i>
<b>Collaboration</b>	<i>We engage users on data needs, data providers and respondents on supply of data, and undertake the role of national statistical coordination.</i>
<b>Effectiveness</b>	<i>We optimise resource utilisation, leveraging on administrative and alternative data sources to ease respondent burden.</i>



# Complete Life Tables for Singapore Resident Population, 2020-2021

## Background

1. This annual publication reports the key trends in life expectancy for 2020-2021 based on the complete life table<sup>1</sup>. [Complete life tables since 2003 and an interactive Life Expectancy Calculator](#) are available on the Singstat website.
2. These life tables depict the mortality experience of a given population, assuming that this group is subject to the current age-specific mortality rates of the reference period throughout their lives.
3. The life expectancy of persons at various ages in this report shows the average number of additional years that persons (at birth or at a specific age such as age 65 years) might expect to live if these mortality rates were held constant over their lifetime. It does not take into account future changes in mortality. The derived life expectancies give an indication of the average longevity of the population, but do not necessarily reflect the longevity of an individual.

## Key Trends

4. Overall, life expectancy continues to improve for the Singapore resident population over the last decade. Declines in life expectancy were however observed in 2020 and 2021 when compared with 2019, arising from higher mortality rates due to the COVID-19 pandemic.
5. As the 2020 and 2021 data assumes that the pandemic affected higher mortality rates are held constant over a lifetime (as mentioned in paras 2 and 3 above), **the life expectancy figures for 2020 and 2021 should be interpreted with the understanding that they may not be representative of the number of years that individuals can expect to live if mortality rates were to return to pre-pandemic levels.**

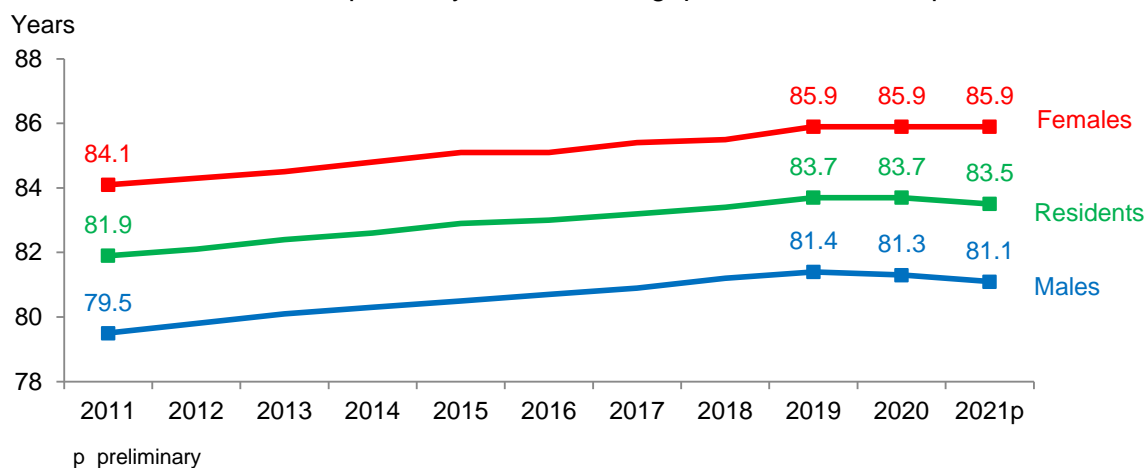
## Life Expectancy at Birth

6. Life expectancy at birth of Singapore residents was 83.5 years in 2021, a decrease of 0.2 years compared with 83.7 years in 2019 before the COVID-19 pandemic (Chart 1). Arising from the pandemic, this was the first decline in life expectancy at birth since 1957, the earliest year for which data is available. Nonetheless, life expectancy at birth of Singapore residents still improved over the last decade, increasing by 1.6 years from 81.9 years in 2011.

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<sup>1</sup> The methodology for constructing complete life tables for the Singapore resident population is presented in the Singapore Department of Statistics' Information Paper "[Complete Life Tables 2003 – 2006 for Singapore Resident Population](#)". To reduce the impact of year to year random fluctuations, central death rates are derived based on the average number of deaths over a 3-year period and the mid-year population. The death rates for 2021 are preliminary as they are derived based on the average number of deaths and mid-year population in 2020 and 2021.

Chart 1: Life Expectancy at Birth of Singapore's Resident Population

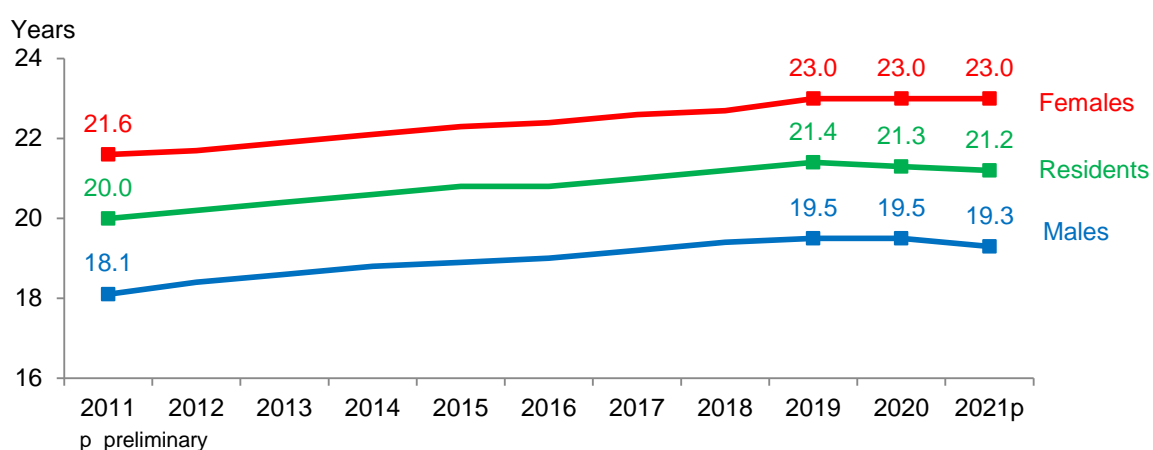


7. While female life expectancy at birth had remained at 85.9 years between 2019 and 2021, male life expectancy at birth decreased 0.3 years to 81.1 years in 2021, from 81.4 years in 2019. Compared to a decade ago, the male and female life expectancy were higher by 1.6 years and 1.8 years respectively.

#### Life Expectancy at Age 65 Years

8. While life expectancy at age 65 years for males decreased 0.2 years from 19.5 years in 2019 to 19.3 years in 2021, it remained at 23.0 years for females over the same period (Chart 2). Life expectancy at age 65 years increased by 1.2 years compared with a decade ago.

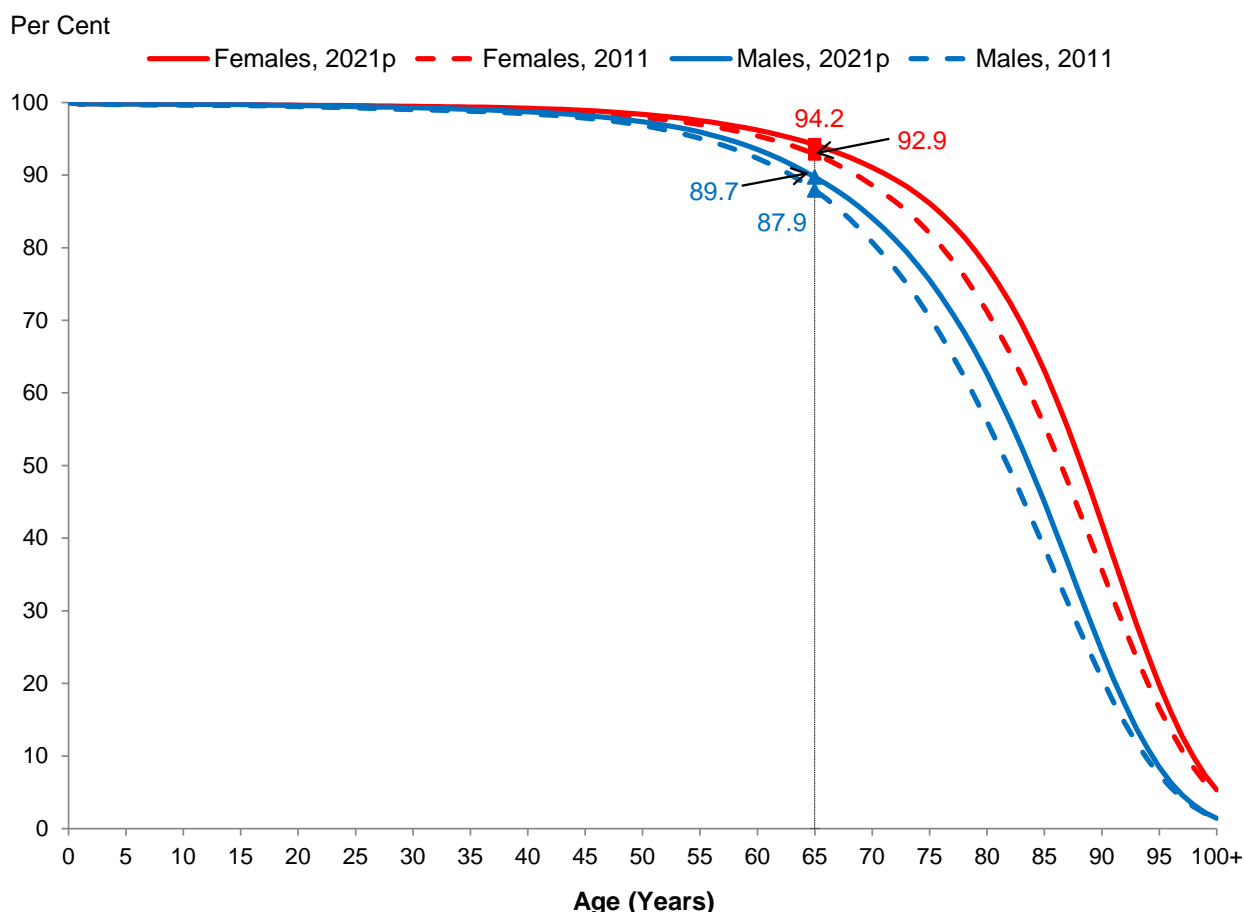
Chart 2: Life Expectancy at Age 65 Years of Singapore's Resident Population



## Proportion of New-Born Babies Expected to be Alive<sup>2</sup>

9. The survival rates of the Singapore resident new-borns continued to improve over the past decade. 89.7 per cent of baby boys in 2021 can expect to be alive at age 65 years, higher than the 87.9 per cent in 2011 (Chart 5). For baby girls, 94.2 per cent of them in 2021 can expect to be alive at age 65 years, up from 92.9 per cent in 2011.

Chart 5: Proportion of New-Born Babies Expected to be Alive



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1 Jun 2022

<sup>2</sup> The proportion of new-born babies expected to be alive at age  $x$  is computed as the number of survivors at age  $x$  ( $l_x$ ) divided by the hypothetical population of 100,000 ( $l_0$ ) at age 0.





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