**Data Sources**

The following contains links to all data sources used in the manuscript. All links were last accessed on March 14th, 2023.

**Life tables and population by country**

Life tables and population data were sourced from the Human Mortality Database: <https://www.mortality.org/>

**Sources for population of Italy and Austria by age (2021 only)**

**Italian** population data for 2021 was sourced from the Italian National Institute of Statistics (ISTAT): <http://dati.istat.it/Index.aspx?QueryId=42869&lang=en>

**Austrian** population data for 2021 was sourced from Statistics Austria: <https://www.statistik.at/en/statistics/population-and-society/population/population-stock/population-by-age-/sex>

**Sources for yearly death tolls by country**

**Eurostat** data was used for all included countries except for France: <https://ec.europa.eu/eurostat/databrowser/view/DEMO_GIND__custom_2089936/bookmark/table?lang=en&bookmarkId=b375e0f9-584c-464f-8e8b-8e1b2e18399f>

In the following, links to all sources for all other analysed countries are given.

**France** death counts: INSEE - <https://www.insee.fr/en/statistiques/series/103039135>

**US** final death counts (up to 2019): CDC <https://www.cdc.gov/nchs/data/nvsr/nvsr70/nvsr70-08-508.pdf>

US provisional mortality for 2020 and 2021: CDC <https://www.cdc.gov/mmwr/volumes/71/wr/pdfs/mm7117e1-H.pdf>

**UK** final deaths counts up to 2020: ons.gov.uk <https://www.ons.gov.uk/peoplepopulationandcommunity/populationandmigration/populationestimates/datasets/vitalstatisticspopulationandhealthreferencetables>

UK death count for 2021 was obtained as the sum of Scotland, Northern Ireland, and England & Wales. The specific sources follow.

England & wales deaths 2021:

<https://www.ons.gov.uk/peoplepopulationandcommunity/birthsdeathsandmarriages/deaths/bulletins/deathsregistrationsummarytables/2021>

Scotland 2021:

<https://www.nrscotland.gov.uk/statistics-and-data/statistics/statistics-by-theme/vital-events/general-publications/weekly-and-monthly-data-on-births-and-deaths/monthly-data-on-births-and-deaths-registered-in-scotland>

Northern Ireland 2021:

<https://www.nisra.gov.uk/publications/monthly-deaths>

**New Zealand**: Statistics New Zealand. <https://www.stats.govt.nz/publications?filters=Births%20and%20deaths%2CInformation%20releases&start=0>

**Hong Kong**:

<https://www.chp.gov.hk/en/statistics/data/10/27/380.html>

**South Korea**:

<https://kosis.kr/statHtml/statHtml.do?orgId=101&tblId=DT_1B8000F&language=en>

**Japan**:

2021 official figure: 1,452,289 <https://www.asahi.com/ajw/articles/14558577>

2015-2020: <https://www.mhlw.go.jp/toukei/saikin/hw/jinkou/kakutei20/dl/16_all.pdf>

**Canada**: 2015-2020 official figures: <https://www150.statcan.gc.ca/t1/tbl1/en/tv.action?pid=1310070901>

2021 total toll was obtained from weekly figures, found at: <https://www150.statcan.gc.ca/t1/tbl1/en/tv.action?pid=1310070901>

**Australia**: Australian Bureau of Statistics

<https://www.abs.gov.au/statistics/people/population/deaths-australia/latest-release>

**Reported COVID-19 deaths by country and year:**

Officially reported COVID-19 deaths by country and year, included in the supplementary material, were sourced from the “Our World In Data” public repository:

<https://github.com/owid/covid-19-data/tree/master/public/data>