

OECD Health Statistics 2023

Definitions, Sources and Methods

Causes of mortality

Number of deaths and age-standardised death rates by causes of deaths.

The number of deaths according to sex and selected causes are extracted from the **World Health Organization Mortality Database** available at <https://www.who.int/data/data-collection-tools/who-mortality-database> (data extracted in June 2023). Detailed information on the coverage and reliability of the cause-of-death data is regularly published in World Health Statistics Annuals.

The selected **causes of death** presented in *OECD Health Statistics 2023* are detailed in an Excel file [available for download](#), with codes according to the **Tenth revision of the International Classification of Diseases (ICD) along with codes from other ICD revisions used in the WHO Mortality Database**. For a full definition of the latest codes, please consult the ICD-10 website at <https://icd.who.int/browse10/2019/en>.

i Note that data were included for the first time in 2022 for the new cause of death “COVID-19”, under the codes U07, U07.1, U07.2, U09.9, and U10.9 (part of the category “XXII. Codes for special purposes (U00-U85)”).

Age-standardised death rates per 100 000 population for selected causes are calculated by the OECD Secretariat, using the total OECD population for 2015 as the reference population, from this edition onwards. (Previous editions of the database used the total OECD population for 2010 as the reference population.)

The age-standardised death rates are necessary for comparing the level of mortality across countries and over time since they take into account the differences in age structure of the populations. The direct method of standardisation is used for age-standardised calculations.

i The **age structure of the population (2015)** used to compute the age-standardised death rates is as follows:

Age (years)	Population
0-4	5.8556
5-9	5.9688
10-14	5.7458
15-19	5.9803
20-24	6.5360
25-29	6.8008
30-34	6.9247
35-39	6.9704
40-44	7.0394
45-49	6.9554
50-54	6.8590
55-59	6.3507
60-64	5.6845

65-69	5.0384
70-74	3.8759
75-79	3.1256
80-84	2.2627
85+	2.0260
TOTAL	100.00

i The series of data presented reflect **mortality data collected using the following revisions of ICD: ICD-7, ICD-8, ICD-9 and ICD-10**. There may be breaks in the series due to implementation of a new revision of ICD (particularly with the transition from ICD-9 to ICD-10) as well as changes in the coding rules. Data are thus only consistent within the same ICD revision.

For each country, the table below shows **data availability for the category “All Causes” by year and by ICD revision**:

Country	ICD-7	ICD-8	ICD-9	ICD-10
Australia	1960-1967	1968-1978	1979-1997	1998-2004, 2006-2021
Austria	1960-1968	1969-1979	1980-2001	2002-2021
Belgium	1960-1967	1968-1978	1979-1997	1998-2018
Canada	1960-1968	1969-1978	1979-1999	2000-2019
Chile	1960-1967	1968-1979	1980-1996	1997-2018
Colombia	1960-1967	1960-1969, 1972, 1974	1979-1996	1997-2019
Costa Rica	1961-1967	1968-1979	1980-1996	1997-2020
Czech Republic	-	-	1986-1993	1994-2021
Denmark	1960-1968	1969-1993	-	1994-2020
Estonia	-	-	1981-1982, 1985-1996	1997-2020
Finland	1960-1968	1969-1986	1987-1995	1996-2020
France	1960-1967	1968-1978	1979-1999	2000-2017
Germany	-	-	1990-1997	1998-2020
Greece	1961-1967	1968-1978	1979-2013	2014-2020
Hungary	1960-1968	1969-1978	1979-1995	1996-2019
Iceland	1960-1970	1971-1980	1981-1995	1996-2021
Ireland	1960-1967	1968-1978	1979-2006	2007-2018
Israel *	-	1975-1978	1979-1997	1998-2021
Italy	1960-1967	1968-1978	1979-2002	2003-2019
Japan	1960-1967	1968-1978	1979-1994	1995-2020
Korea	-	-	1985-1994	1995-2020
Latvia	-	-	1980-1995	1996-2021
Lithuania	-	-	1981-1982/1985-1997	1998-2021
Luxembourg	1967-1970	1971-1978	1979-1997	1998-2021
Mexico	1960-1967	1968-1978	1979-1997	1998-2020
Netherlands	1960-1968	1969-1978	1979-1995	1996-2020
New Zealand	1960-1967	1968-1978	1979-1999	2000-2017
Norway	1960-1968	1969-1985	1986-1995	1996-2016
Poland	1960-1968	1969-1979	1980-1996	1999-2020
Portugal	1960-1970	1971-1979	1980-2001	2002-2003, 2007-2018
Slovak Republic	-	-	1992-1993	1994-2010, 2012-2014, 2016-2019
Slovenia	-	-	1985-1996	1997-2020
Spain	1960-1967	1968-1979	1980-1998	1999-2020
Sweden	1960-1968	1969-1986	1987-1996	1997-2018
Switzerland	1960-1968	1969-1994	-	1995-2019
Türkiye	-	-	-	2009-2016, 2019
United Kingdom	1960-1967	1968-1978	1979-1999	2001-2020

United States	1960-1967	1968-1978	1979-1998	1999-2020
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NON-OECD ECONOMIES

Country	ICD-7	ICD-8	ICD-9	ICD-10
Argentina	1966-1968	1969-1970, 1977-1978	1979-1996	1997-2019
Brazil	-	-	1979-1995	1996-2019
Bulgaria	1964-1967	1968-1979	1980-2004	2005-2020
China (People's Republic of)	-	-	-	-
Croatia			1985-1994	1995-2020
India	-	-	-	-
Indonesia	-	-	-	-
Peru	-	-	1980-1998	1999-2018
Romania	1959-1968	1969-1978	1980-1998	1999-2019
Russian Federation	-	-	1980-1998	1999-2015, 2019
South Africa	-	-	1993-1995	1996-2020

Notes

i France: Data refer to metropolitan France only, excluding overseas departments.

Israel: The statistical data for Israel are supplied by and under the responsibility of the relevant Israeli authorities. The use of such data by the OECD is without prejudice to the status of the Golan Heights, East Jerusalem and Israeli settlements in the West Bank under the terms of international law.

i Türkiye has been gradually increasing the coverage of population registers across the whole country. Caution is required when interpreting the evolution of data on mortality in Türkiye.

NON-OECD ECONOMIES

i China: Data for China are only for selected urban and rural areas and represent less than 10% of all deaths occurring in the country.

Russian Federation: This document, as well as any data and any map included herein, are without prejudice to the status of or sovereignty over any territory, to the delimitation of international frontiers and boundaries and to the name of any territory, city or area.

For further details on country coverage, please refer to the documentation and note available at <https://www.who.int/data/data-collection-tools/who-mortality-database>.