

SDG Goal 3

Good health and well-being

SDG Target 3.9

By 2030, substantially reduce the number of deaths and illnesses from hazardous chemicals and air, water and soil pollution and contamination

SDG Indicator 3.9.3

Mortality rate attributed to unintentional poisoning

Time series

Mortality due to unintentional poisoning

1. General information on the time series

- Date of national metadata: 09 March 2022
- National data: <http://sdg-indikatoren.de/en/3-9-3/>
- Definition: The time series measures the number of deaths of unintentional poisonings, expressed per 1,000 inhabitants classified with the following ICD-10-diagnosis codes:
 - X40,
 - X43
 - X46-X49
 ICD-10 is the International Statistical Classification of Diseases and Related Health Problems 10th Revision (German Modification).
- Disaggregation: Not available.

2. Comparison with global metadata

- Date of global metadata: May 2021
- Global metadata: <https://unstats.un.org/sdgs/metadata/files/Metadata-03-09-03.pdf>
- The time series is compliant with the global metadata.

3. Data description

- The data on deaths is derived from the causes of death statistics conducted by the Federal Statistical Office (analysis of the official death certificates).

The population data comes from the intercensal population updates, the basis of which is the last census conducted in 2011. The population data is rolled forward using statistical results on natural population change (births, deaths) and migrations. For 2010, the population was calculated backwards using the 2011 census and migration, birth and death statistics.

4. Accessibility of source data

- Deaths - GBE:
https://www.gbe-bund.de/gbe/pkg_isgbe5.prc_menu_olap?p_uid=gast&p_aid=36812520&p_sprache=E&p_help=2&p_i ndnr=6&p_version=1&p_ansnr=85812731
- Average population – GENESIS online 12411-0041:
<https://www-genesis.destatis.de/genesis//online?operation=table&code=12411-0041&bypass=true&levelindex=1&levelid=1639396599054#abreadcrumb>
- Population data based on Census 2011 – 1991 to 2011 (only available in German):
https://www.destatis.de/DE/Themen/Gesellschaft-Umwelt/Bevoelkerung/Bevoelkerungsstand/_inhalt.html#sprg233540

5. Metadata on source data

- Quality Report - Causes of Death Statistics (only available in German):
<https://www.destatis.de/DE/Methoden/Qualitaet/Qualitaetsberichte/Gesundheit/todesursachen.pdf>
- Quality Report - Microcensus 2020 (only available in German):
<https://www.destatis.de/DE/Methoden/Qualitaet/Qualitaetsberichte/Bevoelkerung/mikrozensus-2020.pdf>

6. Timeliness and frequency

- Timeliness: t + 8.5 months
- Frequency: Annual

7. Calculation method

- Unit of measurement: Per 100,000 inhabitants
- Calculation method:

$$\text{Mortality rate due to unintentional poisoning} = \frac{\sum_i \text{Death of persons with allocated ICD } i \text{ [number]}}{\text{Population [number]}} \cdot 100,000$$

$$i \in \{X\ 40; X\ 43; X\ 46; \dots; X\ 49\}$$