

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 3.9.2 Mortality rate attributed to unsafe water, unsafe sanitation and lack of hygiene (exposure to unsafe Water, Sanitation and Hygiene for All (WASH) services)

1. Name of data series	
Mortality rate attributed to a) diarrhea, b) intestinal nematode infections or c) protein-energy malnutrition	
Compliant with SDG metadata: yes	SDG Metadata

2. Definition of indicator
<p>The time series should express the number of deaths from inadequate water, sanitation and hygiene and is defined as the deaths classified to the following relevant causes of death according to ICD-10:</p> <ul style="list-style-type: none"> a) diarrhoea A00, A01, A03, A04, A06-A09, b) intestinal nematode infections B76-B77, B79, c) protein-energy malnutrition E40-E46. <p>ICD-10 is the International Statistical Classification of Diseases and Related Health Problems, version 2016.</p>
3. Comparison with SDG metadata (as of 12/07/2017)
The time series are compliant with the international metadata description of the SDG indicator 3.9.2.

4. Data description
<p>Data on deaths are derived from the causes of death statistics conducted by the Federal Statistical Office (analysis of the official death certificates).</p> <p>Data on population are the results of the latest population census (currently: 2011 Census) rolled forward in a breakdown by sex, age, marital status and citizenship, using both statistics of population change (migration, births, deaths, entering into marriages or registered same-sex partnerships) and information on changes in citizenship and the dissolution of marriages or registered same-sex partnerships. Before 2011, updated census data from 1987 (Federal Republic of Germany) and the population register of October 1990 (German Democratic Republic) were used. For the years before 2011 the results for population were calculated backwards using the census 2011 and migration, birth and death statistics.</p>
5. Calculation method
$\text{Mortality rate}_i = \frac{\text{deaths}_i \text{ (number)}}{\text{population (number)}}$ <p>i = diarrhoea (ICD-10: A00, A01, A03, A04, A06-A09), intestinal nematode infections (ICD-10: B76-B77, B79), protein-energy malnutrition (ICD-10: E40-E46)</p>

6. Unit of measure	Per 100,000 inhabitants
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7. Timeliness	8. Frequency
t + 20.5 months	Annual
9. Last regular revision	10. Revised period
Not applicable	Not applicable

11. Accessibility of source data
<p>Results of the cause of death statistics for Germany, detailed 4-digit codes of ICD-10 classification (Only available in German): https://www.destatis.de/DE/Themen/Gesellschaft-Umwelt/Gesundheit/Todesursachen/_inhalt.html</p> <p>Intercensal population updates: GENESIS online 12411-0003, Population: Germany, reference date, sex</p> <p>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</p>
12. Metadata on source data
<p>Quality report of causes of death statistics (Only available in German): https://www.destatis.de/DE/Methoden/Qualitaet/Qualitaetsberichte/Gesundheit/einfuehrung.html</p> <p>Quality report intercensal population updates: https://www.destatis.de/DE/Methoden/Qualitaet/Qualitaetsberichte/Bevoelkerung/einfuehrung.html</p>
13. Related SDG data series (duplicate indicators or sub-indicators to same indicator)
Not applicable

For more information please contact:

<https://www.destatis.de/EN/Service/Contact/Contact.html>