Health and environment scorecard
Sierra Leone

Extent of the problem

**Air pollution**

- WHO Guideline (annual mean): 5 μg/m³
- Sierra Leone annual mean: 39 μg/m³
- 8x the WHO air quality guideline value for PM$_{2.5}$
- 99% of population without clean fuels and technology for cooking

**WASH**

- 90% of population without safe drinking water
- 85% of population without safe sanitation

**Climate change**

- Percentage of hot days in 2050 under a high emissions scenario
- Heat deaths in 2050 compared to 1961-1990 period under a high emissions scenario

Health impact

- 52% of deaths from stroke and ischaemic heart disease caused by air pollution

Policies

- Existence of legal standards for PM$_{2.5}$
- Compliant with WHO Air Quality Guidelines
- Existence of national policy on household energy
- Financial resources available for implementation of national plans

WASH

- Drinking water
  - Urban: <50% of what is needed
  - Rural: <50% of what is needed
- Sanitation
  - <50% of what is needed

Health care facilities

- INSUFFICIENT DATA

Schools

- INSUFFICIENT DATA

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### Health and environment scorecard: Sierra Leone

#### Chemicals

- **International Health Regulations (IHR) capacity score for chemical events**
  - IHR capacity score of **20%** for chemical events
  - 80% not attained

  1 Key informants report on attainment of a set of attributes for chemical events (core capacity 14) using a standard WHO instrument.

- **Existence of national radon regulations for dwellings**
  - INSUFFICIENT DATA

- **Existence of legal limit on lead paint**
  - ✗

- **Party to the Minamata Convention on Mercury**
  - ✗

- **Existence of regulation of artificial tanning devices/sun beds**
  - INSUFFICIENT DATA

- **Existence of programmes for occupational health and safety of health workers**
  - 2 of 3 key international labour conventions on occupational safety and health ratified

#### Radiation

- **International Health Regulations (IHR) capacity score for radiation emergencies**
  - IHR capacity score of **40%** for radiation emergencies
  - 60% not attained

  2 Key informants report on attainment of a set of attributes for radiation emergencies (core capacity 15) using a standard WHO instrument.

- **IHR capacity score**
  - 0 Min
  - 10 Max
  - 42nd of 47 countries in the African region

- **Existence of standards on electromagnetic fields**
  - INSUFFICIENT DATA

- **Existence of regulation of artificial tanning devices/sun beds**
  - INSUFFICIENT DATA

- **Existence of national radon regulations for dwellings**
  - INSUFFICIENT DATA

#### Occupational health

- **93% of informal employment in total employment**

- **14% of the working class population exposed to long working hours (≥55 hours/week)**

- **26 out of 100,000 people of working age die from diseases due to occupational risks every year**
  - Sierra Leone compared to regional values:
    - 3 Min
    - 26 Max
  - 47th of 47 countries in the African region

- **14 out of 100,000 people of working age die from injuries due to occupational risks every year**
  - Sierra Leone compared to regional values:
    - 0 Min
    - 29 Max
  - 33rd of 47 countries in the African region

- **1 out of 100,000 people die from melanoma and other skin cancers every year**
  - Sierra Leone compared to regional values:
    - 0 Min
    - 10 Max
  - 42nd of 47 countries in the African region

- **1 out of 100,000 people die from disease due to occupational risks every year**
  - Less than 1 out of 100,000 people die from residential radon every year

- **10 out of 100,000 children under five die from poisonings every year**
  - Sierra Leone compared to regional values:
    - 0 Min
    - 15 Max

- **6 out of 100,000 people of working age die from diseases due to occupational risks every year**

- **14 out of 100,000 people of working age die from injuries due to occupational risks every year**

- **INSUFFICIENT DATA**

# Health and environment scorecard

## Sierra Leone

### Health care facilities

<table>
<thead>
<tr>
<th>Health care facilities without basic services</th>
<th>Percentage</th>
<th>Health impact</th>
<th>Policies</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>75%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sanitation</td>
<td>85%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hygiene</td>
<td>61%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Waste management</td>
<td>36%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- 45% of health care facilities without reliable electricity supply

### Extent of the problem

- **Percentage of health care facilities without basic services**
  - Water: 75%
  - Sanitation: 85%
  - Hygiene: 61%
  - Waste management: 36%

### Health impact

- **INSUFFICIENT DATA**

### Policies

- **Vulnerability and adaptation assessment conducted for:**
  - Climate resilience
  - Environmental sustainability

- **Existence of standards for WASH in health care facilities**
  - **✓**

- **Existence of standards for health care waste management**
  - **✓**

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**References**

- **Air pollution:** WHO global air quality guidelines 2021 • WHO SDG Indicator 11.6.2 Concentrations of fine particulate matter (PM2.5); 2019 data • WHO household air pollution data; 2019 data • WHO Air pollution data portal; health impact data for 2019 • UNEP 2021: Regulating air quality: the first global assessment of air pollution legislation; data for 2020 • WHO Household energy policy repository; data continuously updated.
- **Climate change:**
  - **WHO Health and Climate Change Country Profiles** • Honda et al. 2014 • Kendrovski et al. 2017 • WHO Health and Climate Change Global Survey • WHO: Alliance for Transformative Action on Climate and Health (ATACH): Country Commitments.
  - **WHO 2023:** Health in the Nationally Determined Contributions [in press].
- **Chemicals:** WHO: International Health Regulations core capacity scores, 2022 data • WHO: Mortality rate attributed to unintentional poisonings; data for 2019 • WHO: Legally binding controls for lead paint, updated 2022.
- **Health care facilities:**

- **WHO:** World directory of poisons centres, updated 2023 • UNEP: Minamata Convention on Mercury, 2021 data.
- **Healthcare facilities:**

This scorecard is based on already published data (see references). It is a tool to measure and track the progress of Member States and is not intended for ranking.

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Please access the reading guide [here](#).