WHO country survey: Tracking progress on Health and Climate Change

Welcome to the WHO country survey on Tracking Progress on Health and Climate Change.

Please enter the following information to begin the survey.
   Name:
   Title/Position:
   Institution or Organization:
   Telephone:
   E-mail address:

   Country:
WHO UNFCCC climate and health country profile questionnaire

The purpose of this questionnaire is to collect national data to measure health sector response to climate change in 5 key areas:

- Leadership & governance
- Building climate resilience in the health sector
- Promoting health while cutting GHG emissions
- Climate and health finance
- Health sector participation in the UNFCCC process

*Estimated time to complete module 1: 30-45 minutes*

*Please Note: Responses are saved automatically, so you can close the survey without losing your work and re-enter to complete the survey at a later time. In order to continue where you left off, please use the same device and web browser that you used to start the survey.*
WHO UNFCCC Climate and Health Country Profile Project aims to provide Ministers of Health, health decision-makers and advocates with country-specific, evidence-based snapshots of the climate hazards and health risks facing countries and present opportunities for health co-benefits through mitigation actions. The project strengthens the linkages between climate and health communities, promotes innovative research on national climate hazard and health impact modeling; and engages an inter-ministerial network of climate and health focal points.

The purpose of the WHO UNFCCC climate and health country profile questionnaire is to collect national data to develop the following:

- WHO UNFCCC climate and health country profiles
- WHO global monitoring on climate and health progress (biennial tracking)

The first series of country profiles (2015) can be accessed through the following link.
Leadership and Governance

National Policy on Climate Change

1. Is there a national policy on climate change in your country?

☐ Yes
☐ Under Development
☐ No
☐ Unknown

1.1. Does the national policy on climate change include health as one of the main priority sectors?

☐ Yes
☐ No
☐ Unknown

Health Sector Policy

2. Is there a national health and climate strategy/plan developed or overseen by the Ministry of Health* (e.g. national health and climate strategy, health component of a national adaptation plan (H-NAP))? *Ministry of Health or relevant health authority

☐ Yes
☐ Under Development
☐ No
☐ Unknown

If yes, please provide the title of the strategy/plan (title can be in the same language as the original document, there is no need to translate the title into English)

Title:

Only answer Q 2.1-2.11 should your response to Q2 be “Yes”

2.1. Please upload the national health and climate strategy/plan.

OR provide a link to online national health and climate strategy/plan.
2.2. Is the national health and climate strategy/plan approved by the Ministry of Health*
*Ministry of Health or relevant health authority

☐ Approved
☐ Approval process is currently ongoing
☐ Not approved
☐ Declined
☐ Unknown

2.2.1. Please specify the year in which the national health and climate strategy/plan was approved* by the relevant government authority?
Please provide the year that the national strategy/plan was initially approved even if subsequent modifications have been made

2.2.2. If the approved national strategy/plan has been updated or modified please provide the most recent year in which modifications have taken place?

2.3. What are the main priorities for health adaptation included in the national health and climate strategy/plan?
WHO defines health adaptation projects as coordinated output-based initiatives whose overall goal is to avoid harm, or exploit beneficial opportunities for health, resulting from climate change. More specifically, health adaptation projects are initiatives that have as a primary aim to maintain or improve health in a changing climate, and that include activities that integrate climate change and health into the following areas of health system functions: Governance and Policy, Capacity Development, Information & EWS, Service delivery, Essential products & technologies and Financing.

Risk management
☐ Climate smart health programming (e.g. health programming and operations increasingly designed and implemented to take into consideration current and future climate change risks in climate-sensitive programmes such as communicable disease control, non-communicable diseases, water and sanitation, nutrition and food safety, mental health, etc.)

☐ Emergency preparedness and management (e.g. establishing effective risk management, early warning and response systems for climate-related events such
as heat-waves, air pollution, floods, storms, etc.)

**Environmental risk management** (e.g. establish regulatory policies protecting populations from environmental risks such as water resource management policies, climate resilient water safety plans, safe waste management approaches, control and prevention strategies for pollen-associated allergic diseases or increased UV radiation due to climate change, etc.)

**Information**
- **Research** (e.g. development of a national research agenda on climate change and health)

**Communication** (e.g. develop and implement communication strategy on climate risks to health for diverse audiences such as the public, health personnel, media and other sectors)

**Integrated risk monitoring** (e.g. establishment of effective risk mapping, early detection tools such as rapid diagnostics and/or syndromic surveillance and indicators of climate change impacts and vulnerability)

**Assessment** (e.g. conduct a comprehensive assessment of climate change impacts, vulnerability and capacity in the health sector, establish baselines of key risks, establish continual monitoring and review mechanisms)

**Foundations**
- **Capacity development** (e.g. identification of new and existing sources of financial and human resources for increasing climate resilience)

- **Public health services and systems** (e.g. strengthening organizational capacity)

- **Cross-sectoral governance and collaboration** (e.g. ensure that main policies and strategies from health determining sectors reflect climate change and health considerations both in relation to adaptation and mitigation)

**Other** (please specify):
2.4. For the following climate-related events, please indicate how thoroughly current and future climate risks have been addressed in the national health and climate strategy/plan.

<table>
<thead>
<tr>
<th></th>
<th>Current climate risks</th>
<th>Future climate risks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heat waves</td>
<td>Choose an item</td>
<td>Choose an item</td>
</tr>
<tr>
<td>Cold waves</td>
<td>Choose an item</td>
<td>Choose an item</td>
</tr>
<tr>
<td>Storms (e.g. hurricanes, monsoons, typhoons)</td>
<td>Choose an item</td>
<td>Choose an item</td>
</tr>
<tr>
<td>Flooding</td>
<td>Choose an item</td>
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</tr>
<tr>
<td>Fire (forest fires)</td>
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</tr>
<tr>
<td>Drought</td>
<td>Choose an item</td>
<td>Choose an item</td>
</tr>
<tr>
<td>Air quality (e.g. particulate matter, ozone levels)</td>
<td>Choose an item</td>
<td>Choose an item</td>
</tr>
<tr>
<td>Sand/dust storms</td>
<td>Choose an item</td>
<td>Choose an item</td>
</tr>
</tbody>
</table>

2.5. Does the national health and climate strategy/plan consider the health co-benefits of climate change mitigation actions?

The health co-benefits of climate change mitigation actions refer to the potential human health benefits that may be gained from implementing policies that cut greenhouse gas emissions and promote low-carbon, sustainable societies. For example, efforts to reduce GHG emissions in the transport sector can result in reduced air pollution and higher levels of physical activity such as cycling or walking consequently lowering the risks of respiratory diseases, cardio-vascular diseases, diabetes and obesity.

☐ Yes
☐ No
☐ Unknown

2.5.1. If yes, please provide a brief description? (Maximum 250 words)
2.6. Please describe the level of implementation of the national health and climate strategy/plan?
Implementation in this context describes the action which is currently being taken to achieve the specific objectives and priorities outlined in the national health and climate strategy/plan.

- High (action is being taken on most or all key priorities)
- Moderate (action is being taken on some of the key priorities)
- Low (limited action is being taken)
- Planning phase (no action is being taken but action is planned within the next 12 months)
- None (no action is being taken or is planned within the next 12 months)
- Unknown

2.7. Please briefly describe any challenges/barriers encountered in implementing the national health and climate strategy/plan. (Maximum 250 words)

2.8. Does the national health and climate strategy/plan include performance indicators?
Performance indicator in this context refers to any indicator, target or threshold specified to measure progress on achieving the objectives or priorities identified in the national health and climate strategy/plan.

- Yes
- No
- Unknown

2.8.1. Please list the core performance indicators included in the national health and climate strategy/plan.

2.8.2. Are the performance indicators monitored?

- Fully
- Partially
- No
- Unknown
- Not Applicable
2.8.2.1. Please describe how frequently the results from monitoring performance indicators are reviewed.

- review takes place at least once every two years
- review takes place between every two to five years
- review takes place less than every five years
- review of findings takes place but not on a regular basis
- NO review of findings
- unknown (frequency/review process is unknown)
- not applicable

2.9. Does your national health and climate strategy/plan outline budgetary requirements for its implementation?

- Yes
- No
- Unknown
- Not applicable

2.10. Does the current health budget cover the estimated costs of implementing the national health and climate strategy/plan?

- completely (costs to implement all of the main priorities have been included in the budget)
- partially (costs to implement some of the main priorities have been included)
- minimally (limited costs have been included but are insufficient to implement any of the main priorities)
- none
- unknown
- not applicable

2.11. What priorities identified in the national health and climate strategy/plan are currently unfunded or insufficiently funded (e.g. for the current funding cycle)? (Maximum 200 words)
Health and climate in non-health sectors (e.g. transport, electricity generation, household energy, agriculture)

3. For the following health determining sectors, please indicate if there is a joint memorandum of understanding or other agreement between the ministry of health and this sector which defines specific roles and responsibilities in relation to links between health and climate change policy.

<table>
<thead>
<tr>
<th>Sector</th>
<th>Choose an item</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transportation</td>
<td></td>
</tr>
<tr>
<td>Electricity generation</td>
<td></td>
</tr>
<tr>
<td>Household energy</td>
<td></td>
</tr>
<tr>
<td>Agriculture</td>
<td></td>
</tr>
<tr>
<td>Social services</td>
<td></td>
</tr>
<tr>
<td>Water, Sanitation &amp; Waste-water</td>
<td></td>
</tr>
<tr>
<td>management</td>
<td></td>
</tr>
</tbody>
</table>

4. For the following health determining sectors, please indicate if climate change adaptation policies in this sector consider the health implications of climate change.

<table>
<thead>
<tr>
<th>Sector</th>
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</tr>
</thead>
<tbody>
<tr>
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<td></td>
</tr>
<tr>
<td>management</td>
<td></td>
</tr>
</tbody>
</table>
5. For the following health determining sectors, please indicate if climate change mitigation policies in this sector consider the health co-benefits of mitigation action. Please also indicate if a valuation of the health co-benefits (health gains or cost-savings) of climate change mitigation measures have been undertaken in this sector?

<table>
<thead>
<tr>
<th>Sector</th>
<th>Policies consider the health co-benefits of mitigation action?</th>
<th>Valuation of health co-benefits has been undertaken?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transportation</td>
<td>Choose an item</td>
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<td>Agriculture</td>
<td>Choose an item</td>
<td>Choose an item</td>
</tr>
</tbody>
</table>

**Building health resilience to climate change**

**Health information systems**

6. Has a comprehensive scientific assessment of health vulnerability and impacts of climate change been conducted at a national level (e.g. a climate vulnerability and adaptation assessment)?

☐ Yes  ☐ No  ☐ Unknown  ☐ Not applicable

*Only answer Q 6.1-6.5 should you’re answer to Q6 is "yes"*

6.1 Please indicate what year(s) it was completed/published.

YEAR(s):

6.2. Please upload the assessment of health vulnerability and impacts of climate change **OR** provide a link to the online version.
6.3. Did the assessment of health vulnerability and impacts of climate change consider future projections of climate risks?

☐ Yes
☐ No

6.4. Have results of the assessment been used for policy prioritization?

☐ policy has been strongly influenced by assessment results
☐ policy has been somewhat influenced by assessment results
☐ policy has been minimally influenced by assessment results
☐ policy has NOT been influenced by assessment results
☐ unknown

6.5. Have results of the assessment been used to prioritize the allocation of human and financial resources to address health risks from climate change?

☐ the allocation of resources has been strongly influenced by assessment results
☐ the allocation of resources has been somewhat influenced by assessment results
☐ the allocation of resources has been minimally influenced by assessment results
☐ the allocation of resources has NOT been influenced by assessment results
☐ unknown

Integrated risk monitoring and early warning

7. For the following climate sensitive diseases and health outcomes, is there a monitoring system in place that identifies changing health risks or impacts AND that triggers early action?

<table>
<thead>
<tr>
<th>Climate sensitive diseases and health outcomes</th>
<th>Please select one of the following:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thermal stress (heat or cold stress)</td>
<td>Choose an item</td>
</tr>
<tr>
<td>Vector-borne diseases</td>
<td>Choose an item</td>
</tr>
<tr>
<td>Food-borne diseases</td>
<td>Choose an item</td>
</tr>
<tr>
<td>Water-borne diseases</td>
<td>Choose an item</td>
</tr>
<tr>
<td>Nutrition (e.g. malnutrition associated with extreme-climatic events)</td>
<td>Choose an item</td>
</tr>
<tr>
<td>Injuries (e.g. physical injuries or drowning in extreme weather events)</td>
<td>Choose an item</td>
</tr>
<tr>
<td>Mental health and well-being</td>
<td>Choose an item</td>
</tr>
<tr>
<td>Air-borne and respiratory diseases</td>
<td>Choose an item</td>
</tr>
</tbody>
</table>
8. If a monitoring system is in place, does it include meteorological information? (Meteorological information refers to either short-term weather information, seasonal climate information OR long-term climate information)

<table>
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<td>Air-borne and respiratory diseases</td>
<td>Choose an item</td>
</tr>
</tbody>
</table>

9. For the following climate sensitive diseases and health outcomes, is there a strategy in place to communicate early warnings and recommendations to health personnel? In addition, is there a strategy in place to communicate early warnings and prevention strategies to the affected population?

<table>
<thead>
<tr>
<th>Climate sensitive diseases and health outcomes</th>
<th>Strategy in place to communicate to health Personnel?</th>
<th>Early warning and prevention strategies in place to reach affected population?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thermal stress (heat or cold stress)</td>
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<td>Choose an item</td>
<td>Choose an item</td>
</tr>
</tbody>
</table>
Emergency preparedness

10. For the following climate-related events, please indicate if there is an early warning system in place. Additionally, please indicate if there is a health sector response plan in place and whether this plan includes meteorological information. Meteorological information refers to either short-term weather information, seasonal climate information OR long-term climate information.

<table>
<thead>
<tr>
<th></th>
<th>Early warning system in place? (yes/no/unknown/not applicable)</th>
<th>Health sector response plan in place? (yes/no/unknown/not applicable)</th>
<th>Health sector response plan includes meteorological information? (yes/no/unknown/not applicable)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heat waves</td>
<td>Choose an item</td>
<td>Choose an item</td>
<td>Choose an item</td>
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<td>Sand/dust storms</td>
<td>Choose an item</td>
<td>Choose an item</td>
<td>Choose an item</td>
</tr>
</tbody>
</table>
Health workforce

11. Is there a national curriculum developed to train health personnel on the health impacts of climate change?

☐ Yes
☐ Under Development
☐ No
☐ Unknown

12. Does your human resource capacity as measured through the International Health Regulations Monitoring Framework (IHR) adequately consider the human resource requirements to respond to climate-related events?

☐ Fully
☐ Partially
☐ No
☐ Unknown

Health infrastructure/technologies

13. Has there been a national assessment of the climate resilience* of health infrastructure and technology?

*With regard to health, climate resilience relates to the capacity of the system itself to cope with and manage health risks in a way that the essential functions, identity and structure of the health systems are maintained.

☐ the climate resilience of all health infrastructure and technology has been assessed
☐ the climate resilience of most health infrastructure and technology has been assessed (e.g. assessment covers most areas considered at high risk of extreme weather events)
☐ the climate resilience of some health infrastructure and technology has been assessed (e.g. assessment covers some but not all areas considered at high risk of extreme weather events)
☐ the climate resilience of a limited amount of health infrastructure and technology has been assessed (e.g. there has been some pilot assessments or assessments are just beginning in a few sites)
☐ no health infrastructure or technology has been assessed
☐ unknown
☐ not applicable

*No need to answer Q 13.1 should your answer to Q 13 be "no", "unknown", or "not applicable"
13.1. Did the assessment consider future projections of climate risks?

- Fully
- Partially
- No
- Unknown
- Not Applicable

14. Have measures been taken to increase the climate resilience of health infrastructure and technology?

- Fully
- Partially
- No
- Unknown
- Not Applicable

*Only answer the Q14.1 should your response to Q14 be "fully" or "partially"

14.1. Please indicate what measures have been taken to increase the climate resilience of health infrastructure and technology. (Please check all that apply)

- Updated building/planning codes for health facilities (infrastructure and technology) include climate resilience
- Contingency plans are in place to ensure access and evacuation routes to health facilities during extreme climate-related events
- Critical infrastructure/technologies have been equipped to operate when there are disruptions to energy or utility supplies
- Communication systems are equipped to operate when there are disruptions to energy, utility supplies or network disruptions
- Water supplies and sanitation services will be available during extreme climate related events
- Laboratories are equipped to function during extreme climate-related events
- Pharmaceutical warehouses are in disaster safe zones
- Ambulatory services are in disaster safe zones
- Other (please specify)
Promoting health while cutting carbon emissions

Greening the health sector

15. Is there a national target/recommendations for greenhouse gas emissions reductions in the health sector?

☐ Yes
☐ No
☐ Unknown

15.1. If Yes, please describe the target (Maximum 200 words).

16. Is there a national initiative/programme in place to promote the use of low-carbon, energy-efficient, sustainable technologies in the health sector?

☐ Yes
☐ No
☐ Unknown

17. Has a national energy audit or greenhouse gas inventory been conducted in the health sector?

☐ a full audit/inventory has been conducted covering all or most of the health sector
☐ a partial audit/inventory has been conducted covering some of the health sector
☐ a limited (pilot) audit/inventory has been conducted covering a very small portion of the health sector
☐ NO audit/inventory has been conducted
☐ unknown
☐ not applicable
Climate and health finance

International climate and health financing

18. Is your government currently accessing international funds to support climate change and health work?

☐ Yes
☐ No
☐ Unknown
☐ Not applicable

*Only answer the Q 21.1-21.2 should your response to Q 21 be "yes"

18.1. Please indicate which sources of international funding you are currently accessing: (please specify ALL that apply)

☐ Green Climate Fund (GCF)
☐ Global Environment Facility (GEF)
☐ Other multilateral donors
☐ Bilateral donors
☐ Other

If other than GCF and GEF, please specify the donor name.

18.2. What are the greatest challenges in accessing international funds for climate and health work?

Please check ALL that apply.

☐ Lack of information on the opportunities
☐ Lack of country eligibility
☐ Lack of connection by health actors to climate change processes
☐ Lack of capacity to prepare country proposals
☐ Lack of success in submitted applications
☐ None (no challenges/challenges were minimal)
☐ Not applicable
☐ Other (please specify):

United Nations Framework Convention on Climate Change and Health Representation

19. Did the Government preparations for the UNFCCC-COP22 include
representatives of the health sector?

- Yes
- No
- Unknown
- Not applicable

20. Was the health sector represented in the national delegation to UNFCCC-COP22?

- Yes
- No
- Unknown
- Not applicable

21. Did the health sector contribute to the development of the most recent National Communication to the UNFCCC?

- Yes
- No
- Unknown
- Not applicable

Consent to share documents

22. WHO headquarters would like to create a global repository for countries to share their resources (national health and climate strategy/plans and assessments of health vulnerability and impacts). Do you consent to having the documents you submitted shared publicly?

- Yes
- No