

ARUP

Global Health Decarbonization RoadMap

November 2020

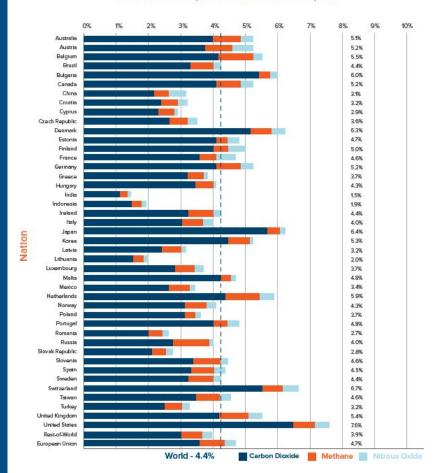
Align Health Care with the Paris Agreement

to Protect Public Health from Climate Change

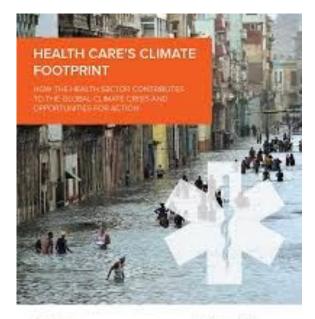
Power Health with Low Carbon Solutions to Promote Resilience, Equity and Universal Health Coverage



Health care footprint as % of national footprint



Significance of National healthcare carbon footprints







Health Care Althous Harry Climate surant braids sand string Excert Paper Norman One

Presqueet in collaboration with Anyst September 2018 The Roadmap will be published in Q1 2021 and support healthcare decarbonization policy dialogues, planning and implementation during 2021-22.

HCWH Climate Strategy refresh will be aligned and include an update to the Climate Challenge refresh and a facility footprint measurement tool for release in 2021





RoadMap Goal:

To create a north star to guide the health sector to decarbonize in alignment it with the ambition of the Paris agreement and a 1.5C world

RoadMap Objectives:

- 1. To enhance the baseline developed last year by refining the alignment of the data with health care spending categories, and developing data for some key areas that are not covered in the IO databases.
- To analyze national health development and growth trajectories together with several climate emissions scenarios.
- 3. To identify key priority actions to reduce health care's footprint globally and in selected countries so as to align the sector with the Paris Ambition.
- 4. To develop Green Paper #2, a roadmap for healthcare decarbonization and resilience.
- 5. To engage health care leadership around the world in a series of conversations and workshops on implementing the roadmap.

Spectrum of Interventions in consideration

Advocate outside Decide at ministry of Innovate inside health level healthcare facility health sector 'Traditional' **Action on social** Health Health system-**Preventative** Healthcare Upstream determinants of promotion & level reforms actions for outpatientdelivery measures for health health to disease control for improved based services green and lowinnovations to achieve health for avoiding improvement strategies access and reduce carbon with known equity (climate performance resourceinefficiency and healthcare climate benefits benefits not intensive carbon intensity obvious) inpatient care Ex. shift to Ex. housing Ex. tobacco Ex. universal Ex. cancer Ex. more Ex. solar energy, plant-based programs, food control policy, health coverage, screening, efficient care green building diet, air quality distribution 'One Health' adoption of vaccination. pathways for design improvement surveillance **EMR** social specific programs prescribing conditions

Reduce disease Improve healthcare Lower carbon burden performance intensity



RoadMap Timeline and Engagement

Roadmap release date in Q1 of 2021

- Technical Advisory Group with global experts in environment and/or in health: July 2020 - February 2021
- HCWH global climate team and partners: August 2020 January 2021

High level dialogues across countries/regions on implementing the road map during **2021-22**

Health sector engagement and preparations for COP26 - Nov 2021

Development of a tool for more granular national carbon footprinting/roadmapping for use in **2022** onwards

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