Climate Impact Checkup FAQs

Health care's GHG emissions calculator

What is Climate Impact Checkup?

Climate Impact Checkup estimates GHG emissions from health care institutions using data primarily from energy consumption, transport, waste management, and other activities relevant to the sector's climate impact. It calculates the carbon footprint based on national emission factors. Health care systems and facilities are able to benchmark their footprint against similar facilities in their country, region, and globally.

The calculator is expected to be used by health care facilities globally to set a baseline, identify priorities, develop plans, and promote action for carbon reduction in operations and some procurement procedures.

What are the benefits of using Climate Impact Checkup?

In addition to providing carbon footprint data and establishing a mitigation starting point, Checkup also gives you access to a peer network, where members can share experiences and advice through discussion forums and a global community of practice.

What are some of Climate Impact Checkup's features?

The calculator is aligned with the GHG Protocol, has health care specific emissions such as those produced from using anesthetic gases and inhalers, and contains emission factors for more than 200 nations and territories to allow for accurate health facilities' footprint estimation in most countries. Checkup is available online and can be downloaded as a spreadsheet. It is accompanied by a guide to support users and direct them to resources to reduce their footprint.

Who can use the calculator?

Checkup is available for all Global Green and Healthy Hospital (GGHH) network and Practice GreenHealth members.It will soon be available for non-GGHH member national health ministries.

What GHG emission sources does Checkup calculate?

Checkup GHG sources include health care sector-specific emissions (e.g., fugitive medicinal gases), and those for which representative and accurate data is available. Further upgrades will be made over time. The input Health Care Without Harm receives from its users will be essential for this process. Below are the sources emissions by Scope.

Scope 1	Scope 2	Scope 3
● Stationary combustion ● Mobile combustion ● Fugitive emissions (cooling and medicinal/anesthetic gases) ● Waste: on-site final disposal, composting, incineration	● Purchased electricity	● Business travel ● Employee commuting ● Patient commuting ● Electricity transmission and distribution losses ● Inhalers ● Waste: off site final disposal, composting, incineration

Future developments and improvements

More emissions sources will be added along with more local/specific data. Some sources currently being analyzed for future inclusion are wastewater treatment, purchase of heat, electromobility. Users' feedback from all regions will provide important information about the priorities and needs at the facility and system levels.

Health Care Without Harm is also developing a Carbon Hotspot Tool for Scope 3 GHG emissions in collaboration with UNDP. The outcome of this project will be integrated into the calculator and strengthen the Climate Impact Checkup indirect emission source categories.

What resources does the Checkup provide to GGHH, Practice Greenhealth and Health Ministries members?

Checkup online uses Health Care Without Harm's Hippocrates platform. This platform includes live calculations, graphics, and benchmarking by year. Other resources include:

- PDF report of annual emissions with graphics and tables
- Offline (excel) version of the tool for annual calculations
- Discussion forum and community of practice
- Workshops to learn how to use the tool and increase the quality of inventories
- Guidelines to use the tool, set goals and create action plans

Reports, graphics, and benchmarking

All online version users can generate graphics to visual data per year and compare one metric (CO2eq/patient/year) with other institutions in the same country, or globally of the same level of complexity and more. Users can also see their reports in a map depicting the geographies of where other hospitals are reporting. All reports can be downloadable in PDF and CSV formats.
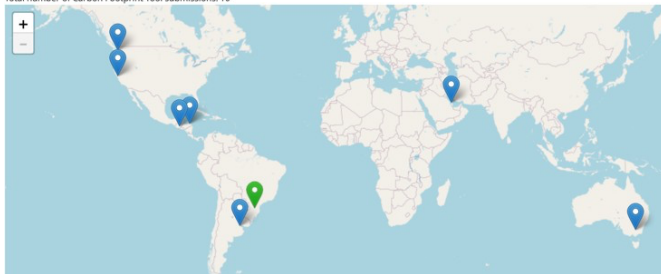
Is Checkup user data and information confidential?

All data is treated with absolute confidentiality. For example, the map only shows the location of the report by state, (not city), level of complexity and number of reports shared by that institution and does not show the name of the institution.
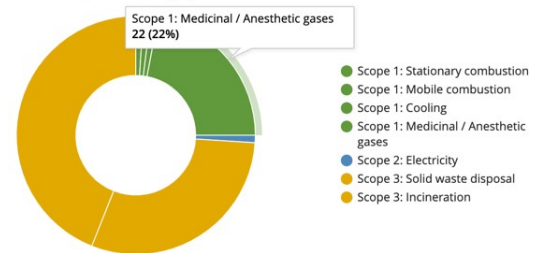
Partial visualization of Checkup's reports section in Hippocrates platform

About Health Care Without Harm

Health Care Without Harm works through regional offices in Asia, Europe, and the United States; a regional team in Latin America; and country-level partnerships with national organizations in Australia, Brazil, China, India, Nepal, and South Africa. Our mission is to transform health care worldwide so that it reduces its environmental footprint, becomes a community anchor for sustainability and a leader in the global movement for environmental health and justice.
We have a comprehensive set of partnerships with health organizations, health professionals, international organizations, and government ministries, comprising a global network of more than 1,450 institutions representing more than 43,000 hospitals and health centers in 72 countries worldwide (February 2021 data).

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For more information about Health Care Without Harm, please visit https://noharm-global.org/