



IMAGINE

Hospitals around the world deploying
onsite energy and super-efficient
building design to dramatically reduce
their carbon footprint

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The health sector as a beacon
of, and advocate for, low-
carbon development

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HEALTHCARE

Climate Challenge

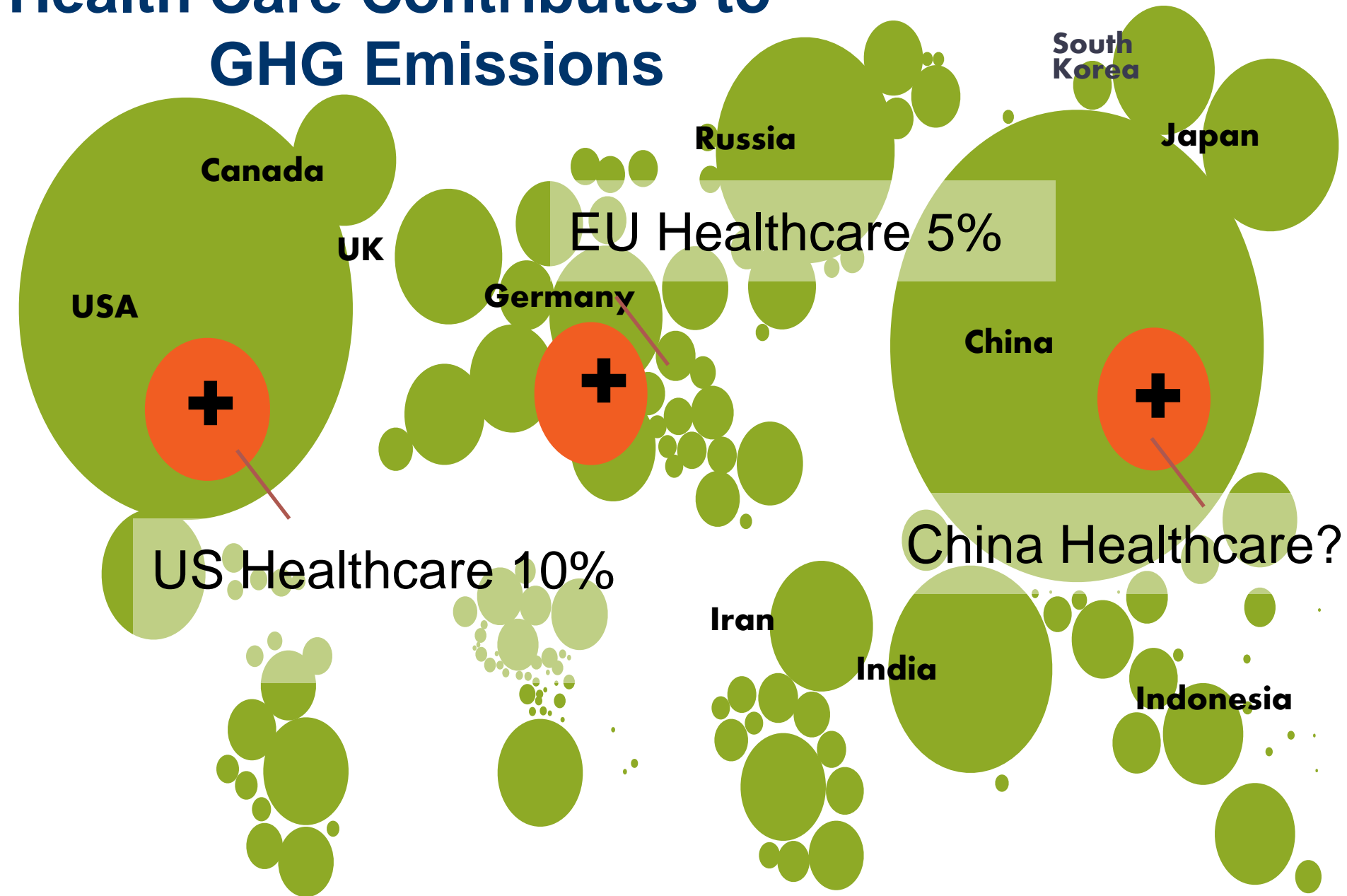
the Challenge

Climate Change is exacerbating a wide range of health problems the world over.

As the climate crisis continues to accelerate, GGHH is organizing the 2020 Health Care Climate Challenge to mobilize health care around the world to protect public health from climate change.



Health Care Contributes to GHG Emissions



Health care is not prepared for climate change



Health Care's Opportunity

Health Care **contributes to CO2 Emissions**

- Health Care can set a powerful example by reducing emissions

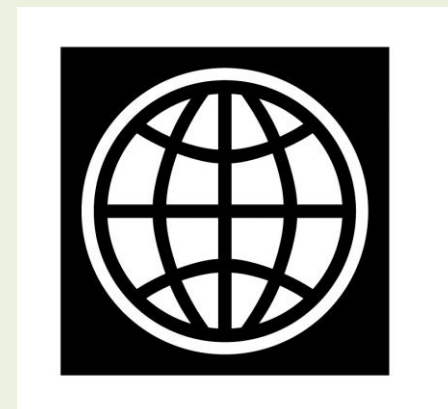
Health Care **is on the front line of climate change**

- We need to prepare for the impacts of extreme weather and the shifting burden of disease

Health Care **can lead the way**

- Health care can influence change by encouraging policies, investment strategies, etc.

Defining and promoting low-carbon health care



Mitigation

Resilience

Leadership

the 2020 HCCC Challenge

The Challenge is based on three pillars:

- **Mitigation** – Reducing health care's own carbon footprint.
- **Resilience** – Preparing for the impacts of extreme weather and the shifting burden of disease.
- **Leadership** – Educating staff and the public while promoting policies to protect public health from climate change.



Objectives:

Engage **leading hospitals and health** systems from across the globe to make major commitments to reducing their carbon reduction by 2020 and beyond.

Measure collective **health sector carbon footprint reduction**.

Encourage the development of increasingly **climate resilient health systems** around the world.

Mobilize health care to play a **leadership role** to advocate for a healthy climate via economic, policy and communications strategies.

Who Can Participate?

Hospitals, health centers, health systems, and health organizations **from everywhere in the world** are encouraged to participate and help foster climate friendly health care

Many of the initial participants have set **ambitious mitigation targets** of 30% or more carbon reduction by 2020



Participating Institutions

The 2020 Challenge currently has 131 participants, representing more than 9000 hospitals and health centers in 23 countries

- Sustainable Development Unit- NHS, Public Health England (UK)
- Region Skåne (Sweden)
- Western Cape Government (South Africa)
- Buddhist Tzu Chi Medical Foundation (Taiwan)
- Centre Hospitalier Niort (France)
- Kaiser Permanente (USA)
- Assistance Publique – Hôpitaux de Paris (France)
- Hospital Sírio Libanês (Brazil)
- CHU Mohammed VI (Morocco)



GREY'S HOSPITAL- South Africa

- Energy Efficiency
- Staff Engagement
- Behavior Change



GUNDERSEN HEALTH- USA

Energy independence in 2014

- 40% Energy reduction
 - Saves US \$2-million per year
- Renewable energy
 - Solar power
 - Geothermal energy
 - Wind Turbines
 - Dairy digesters
 - Combined heat and power
 - Biomass boiler



GUNJAMAN SING HOSPITAL- Nepal

Solar panels/batteries provide all power for hospital

- Includes power for x-ray and waste autoclave
- Avoids power cuts from unreliable power grid
- Power management enables use up to 18 hours per day



GEORGETOWN HOSPITAL- St Vincent and the Grenadines

- Strengthened roof to withstand Hurricanes and volcanic ash
- Solar Panels to generate electricity
- Reduced energy consumption by over 60%
- Water storage system
- Natural lighting



Georgetown Hospital (Photo: stlucianewsonline.com)

How to Participate

Each participant will:

- **Sign a pledge** to reduce their carbon footprint, become more climate resilient and exert leadership for a healthy climate.
- **Establish carbon reduction targets** for the year 2020 (or enter existing targets if they are already established).
- **Share data** on progress over time.
- **Compete for Health Care Climate Awards** which will recognize leaders globally, by region, and for each of the three pillars.
- **Receive an automatic membership in GGHH** and with it, access to tools and resources, including our online collaboration platform, GGHH Connect.

For more information

and to sign up for the 2020 Health Care Climate
Challenge visit:

www.greenhospitals.net





AWARDS