

Clinicians as trusted messengers and advocates in their hospitals and communities

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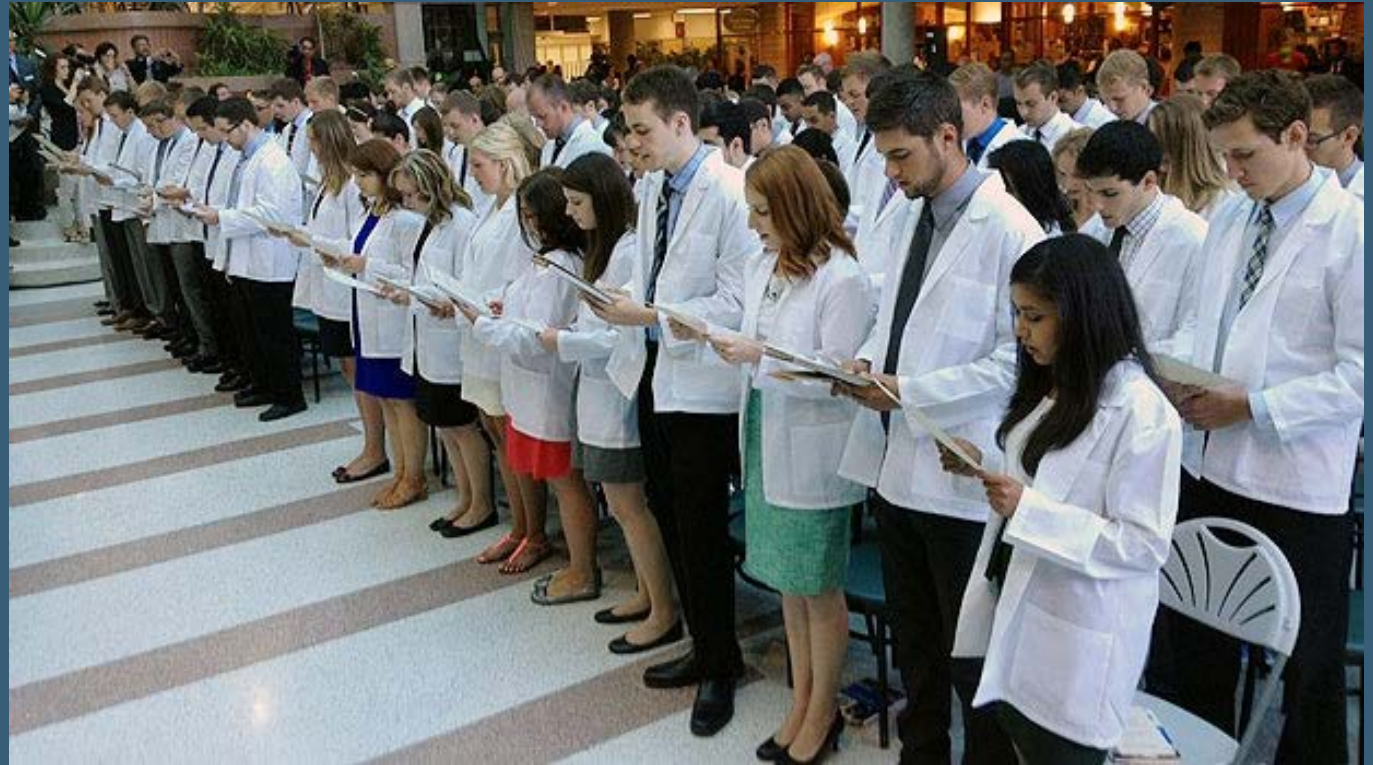


Do No Harm



The health care sector is responsible for 10% of greenhouse gas emissions in the United States.

If the U.S. health care sector was a country, it would rank 13th in the world for GHG emissions, ahead of the entire United Kingdom.



Health care contributes to climate change

Energy use for heating, cooling, lighting, & water use

Waste anesthetic gases

Waste hauling, treatment, & landfill gases

Meat production & food transport

Fleet vehicles

Employee commutes

Supplies & materials



What are the benefits of creating climate-smart health care?



- Savings from energy efficiency and waste reduction allow hospitals to divert resources to patient care.
- Investments in renewable energy and alternative transportation support local jobs and improve air quality.
- Hospitals can remain operational in the face of extreme weather events.

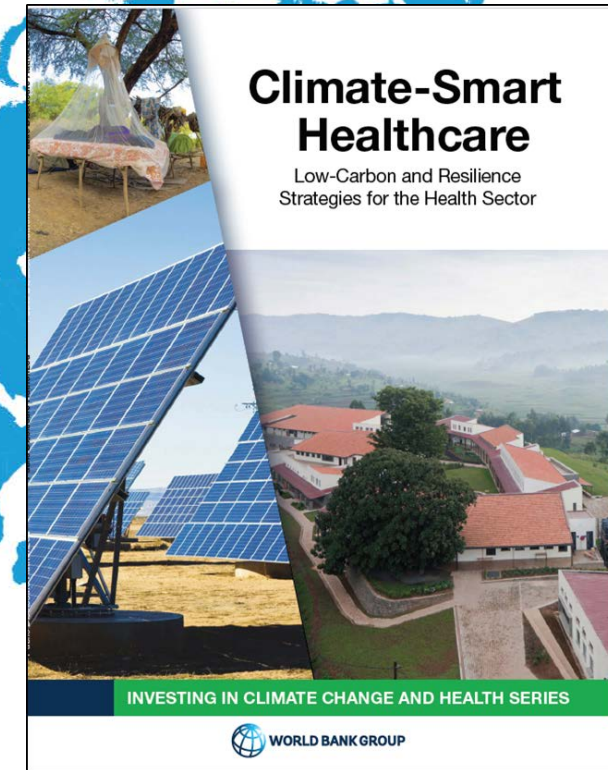
Health Care Without Harm

1996

Health Care Without Harm works to transform health care worldwide so that it reduces its environmental footprint, becomes a community anchor for sustainability and becomes a leader in the global movement for environmental health and justice.

32,000

Our reach includes 32,000 hospitals and health centers in 52 countries worldwide.



Climate and Health Program



Three Pillar Strategy

Mitigation

Reduce the carbon footprint of hospital operations.

Resilience

Prepare hospitals for climate impacts and anchor communities and regions for greater community resilience

Leadership

Leverage the moral, political, and economic influence of the health care sector to change policy and markets.

Our impact | Practice Greenhealth is the leading membership organization for Sustainable Health Care. Our members save more than \$1 million annually from initiatives drawn from our sustainability agenda.



Members report \$106,648 in waste reduction savings and a 30% recycling rate by leading hospitals.



Nearly 80% of facilities in our network purchase third-party certified green cleaning chemicals and 30% avoid purchasing furniture or furnishings containing chemicals of concern.



More than 65% of facilities in our network choose to purchase meat products raised without routine antibiotics.



Members report \$48,252 in water efficiency savings.



Members report \$178,731 in energy savings and an average reduction of 840 tons in greenhouse gas emissions.



Nearly 100% of our members have a strategic sustainability plan and 76% have added sustainability measures into performance objectives for leadership.

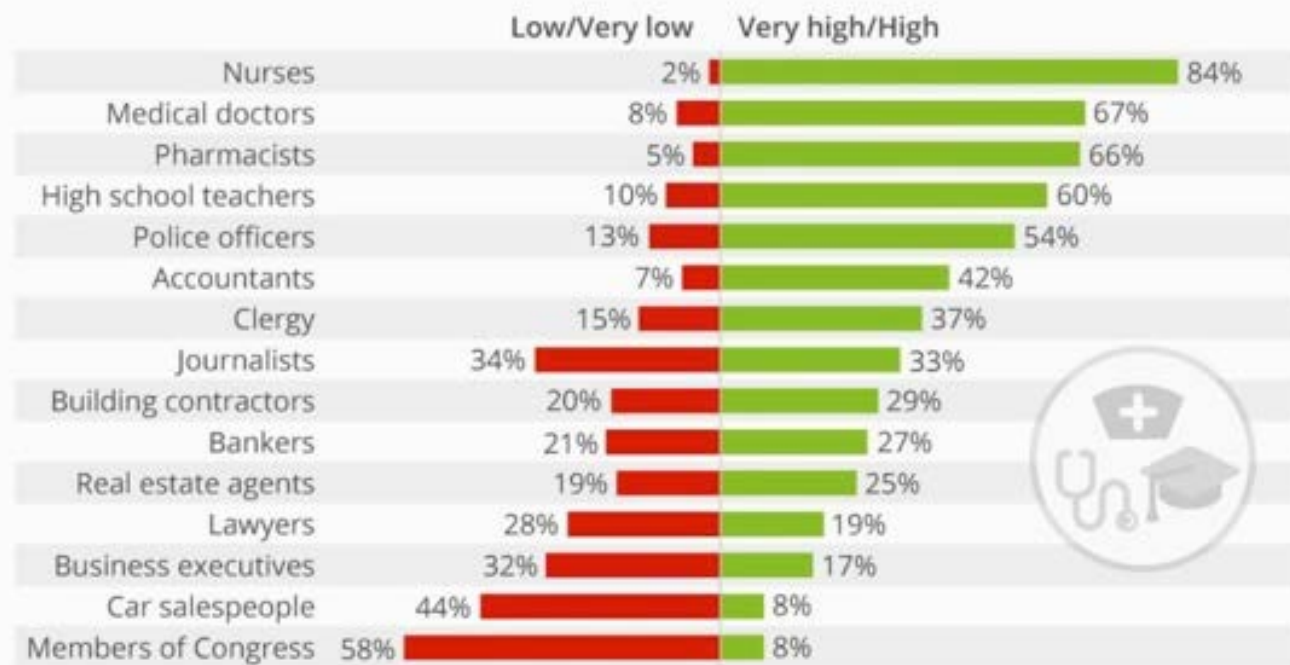
For more information visit www.practicegreenhealth.org or email our membership team at srich@practicegreenhealth.org.

Clinicians as Trusted Messengers

Nurses and physicians are powerful advocates for climate solutions inside and outside their clinical practice.

America's Most & Least Trusted Professions

Rating of selected U.S. professions in terms of honesty and ethical standards in 2018



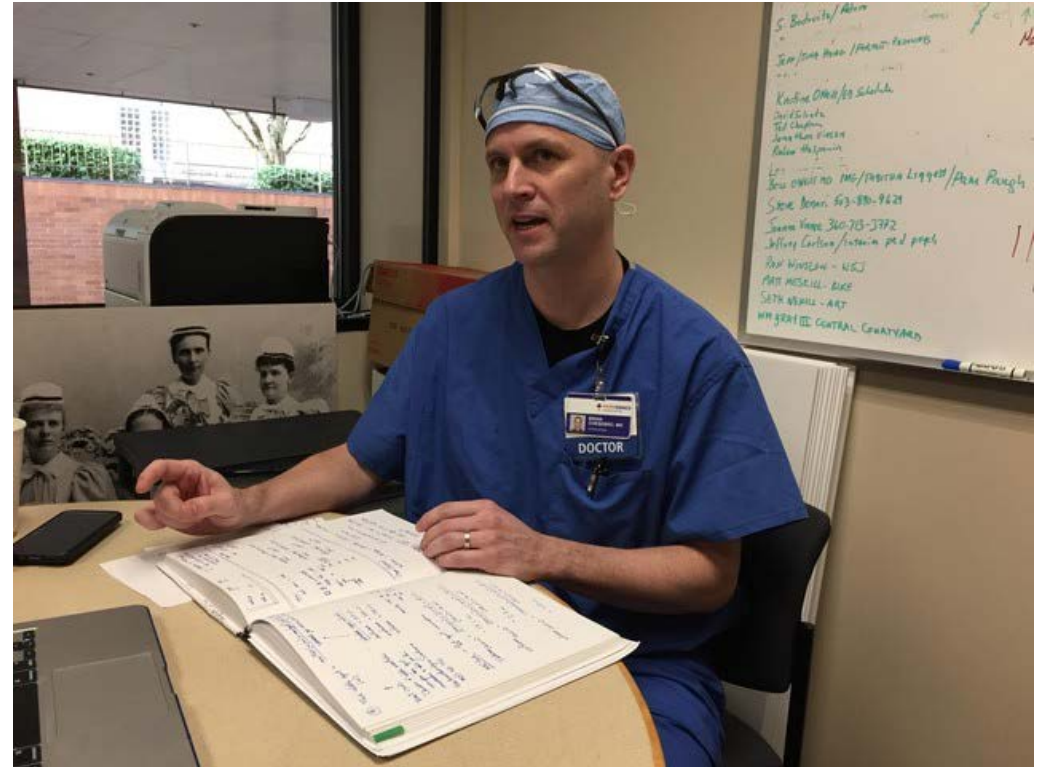
© @StatistaCharts n=1,025 U.S. adults
Source: Gallup

Forbes statista

Anesthetic Gases

“I got depressed for a while, and so I hit the pause button on myself and said, ‘Well, what’s the very best that I can do?’”

- Dr. Brian Chesebro



8 hours of desflurane = 116 days of



Join or start a Green Team!

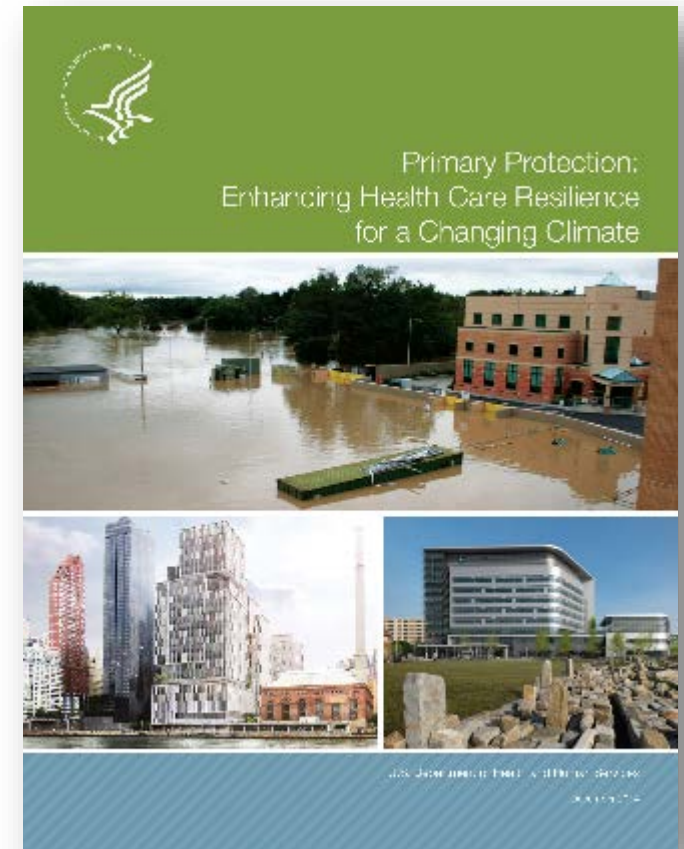
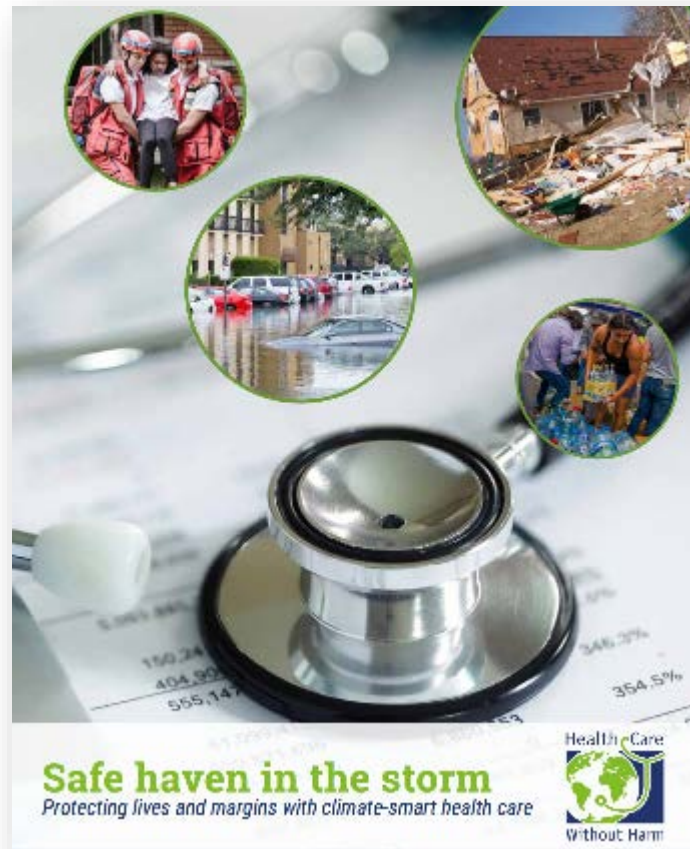


Ask your hospital to join the Health Care Climate Challenge

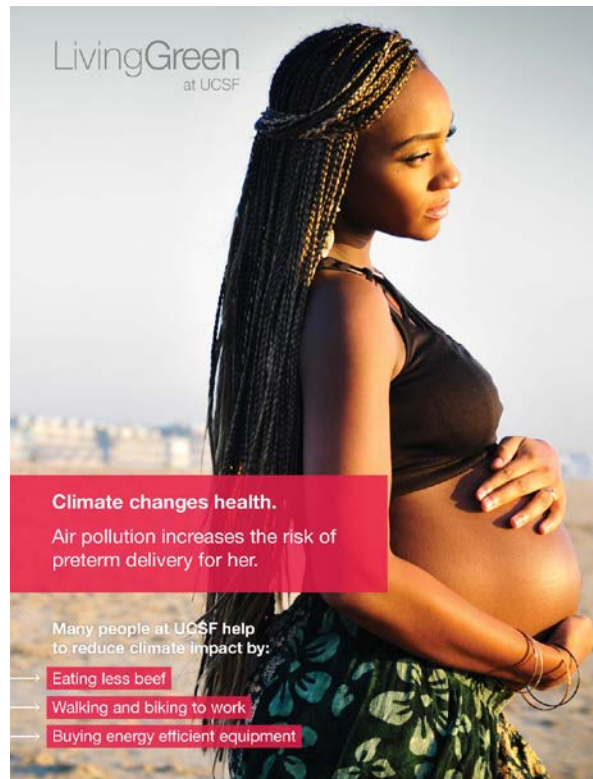


178 institutions across the globe representing the interests of 17,000 hospitals and health facilities have already committed to this challenge

Hospitals as Anchors for Resilient Communities



Help educate your patients



Patient FACTS

Climate Change and Your Health



What Is Climate Change?

There is clear proof that the world's climate is changing. These changes will affect the usual, expected weather patterns. They are caused by human activities, like operating factories, driving vehicles, and pollution. Climate change could have a serious effect on the health of the public. It can cause:



- Swings in temperature causing more heat waves and storms
- Higher sea levels
- Extreme weather events, such as droughts, floods, wildfires, and hurricanes
- Poor air quality, because of higher rates of pollution and dust
- Changes in food or clean water supply



How Can Climate Change Affect My Health?

All people will be affected by climate change, but children and older adults may be most affected. Climate change will be linked with health problems, such as:

- **Heat-related conditions:** Extreme heat can cause dangerous changes in your body. This can lead to dehydration, heat stroke, and exhaustion. Extreme heat can make many health conditions worse, such as heart and lung diseases.
- **Breathing problems:** Air pollution is dangerous and can irritate your lungs. It can also make problems, such as asthma and COPD worse.
- **Unsafe water supply:** Floods can cause problems with your town's water supply. For example, a flood could cause sewer systems to overflow into drinking water. This could lead to problems, such as diarrheal disease and cholera.
- **Disease spread by insects:** Weather changes can cause there to be more disease-spreading insects. These insects, such as mosquitos and ticks, can spread such diseases as Zika virus, malaria, and dengue fever.
- **Less food and water:** Climate change can cause problems with food supply. Crops can be damaged and seafood supply may become scarce. Droughts also affect the supply of water for drinking and bathing.
- **Mental health problems:** Extreme weather events like flooding, hurricanes, and heat waves can affect your family's emotional well-being. These events can cause stress, which could lead to such problems as anxiety or depression.



ACP is a national organization of internal medicine physicians whose mission is to promote quality, effectiveness, excellence and professionalism in the practice of medicine.



Join Health Care Without Harm's Physician Network

- A network of physicians interested in promoting climate-smart health care through mitigation, resilience and leadership.
- Supports physician action to reduce the environmental impact of health care delivery.

noharm.org/physiciannetwork



Physicians in action



Dr. Amy Collins

Learn what inspired Dr. Amy Collins to start a Physician Network at Health Care Without Harm.

Resources

- Practice Greenhealth
- Healthy Food in Health Care
- Medical Society Consortium for Climate and Health
- American College of Physicians’ Climate Change Toolkit
- Physicians for Social Responsibility’s Building Advocacy Skills
- U.S. Climate and Health Alliance State Policy Initiative
- American Society of Anesthesiologists Sustainable Anesthesia guidance
- My Green Doctor

Join our Physician Network

As trusted leaders, physicians have a unique opportunity to advance to influence public policy to protect the health of their patients.

Health Care Without Harm’s Physician Network supports emerging and leaders in leveraging their influence and expertise to advance the green sustainability movement and to create [climate-smart health care](#). The physicians together to share best practices and to inspire one another sustainable and healthy future.

While physicians take an oath to “do no harm,” the [enormous environmental operations](#) in the United States is contributing to the burden of disease patients and communities. The health care sector produces an estimated greenhouse gas emissions, and hospitals consume more than 8 percent all commercial buildings in the United States.

Leading hospitals have been working to reduce their environmental impact powerful champions to support the transition to environmentally sustainable inside and outside of their health care settings. As an [article in the Atlantic](#) out, “physicians and health organizations have obligations to use their resources to protect health, which includes promoting sustainability.”

Get involved

- [Join our network.](#)
- [Join our Facebook group.](#)
- [Plan to network with other physicians and sustainability leaders at CleanMed.](#)
- [Tell us about your sustainability work.](#)

Physician Network goals

Physicians can be effective sustainability champions in a variety of ways including:

Health sector and hospital advocacy

Physicians can support sustainable, climate-smart health care within their hospitals and health systems by leading green teams or working with your sustainability director or chief medical officer to implement sustainable practices, and also by advocating internally for the adoption of ambitious sustainability goals.

Physicians in action: Learn how Dr. Aparna Bole [launched a sustainability](#) Seema Gandhi [reduced waste](#) in the operating room.

Education

As experts on human health, physicians can educate the between the environment and health as well as the opposite and healthy communities.

Physicians in action: Watch grand rounds presentations from Dr. Aparna Hospitals and Dr. Karin Zuegge on [sustainable anesthesiology](#) at the United Health.

Research

Physicians can use their clinical expertise to engage in research sustainability forward and support evidence-based decision clinicians.

Physicians in action: Read a [study about the climate impact of anesthesia](#)

Speakers bureau

Physicians can educate their peers and communities about climate and health and other topics related to health sector sustainability by joining our speakers bureau.

Physicians in action: Read [how Drs. Lori and Rob Byron are educating](#) the public about climate and health.

Clinical practice

Physicians can modify their clinical practices at the bedside to protect both human and environmental health through patient education, use of environmental history tools, green pharmacy practices, and environmentally responsible delivery of patient care.

Physicians in action: See an example of an [environmental history tool](#) used by pediatricians.

Policy advocacy

As trusted messengers, physicians are powerful advocates for public policies that protect the health of their patients, communities, and our environment. Physicians can meet with legislators, submit comments to a regulatory agency, testify before a legislative committee, or sign petitions. They can also call on their health system to publicly support renewable energy and carbon reduction goals at local, state, and national levels.

Physicians in action: Learn how physicians in [Massachusetts](#), [Ohio](#), and [Virginia](#) are advocating for renewable energy and climate-smart policies.

Media

Physicians have numerous opportunities to engage the media as an advocacy tool through writing letters to the editor and op-eds, providing interviews, writing blogs or other articles and through social media.

Physicians in action: Read an [op-ed](#) by Dr. Nila Rafiq in support of the Clean Power Plan and a [letter to the editor](#) by Dr. Lisa Del Buono in support of the Paris Agreement.

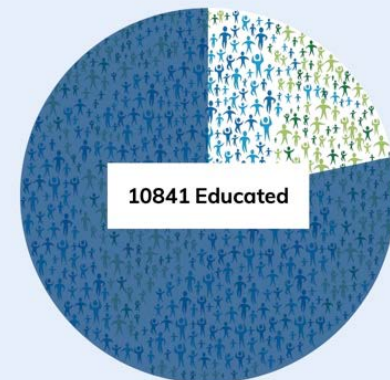


Nurses Climate Challenge

Become a Nurse Climate Champion!
NursesClimateChallenge.org

Nurses Climate Challenge Tracker

We are educating
50,000
health professionals on
climate and health by 2022



Ask your hospital leadership to join Practice Greenhealth



WHY SUSTAINABILITY

ABOUT

TOPICS

RESOURCES

MEMBERSHIP



SUSTAINABILITY SOLUTIONS FOR HEALTH CARE

Practice Greenhealth is the leading membership and networking organization for sustainable health care, delivering environmental solutions to hospitals and health systems across the United States.

SEE HOW WE CAN HELP YOU:



CLEANMED ORLANDO

May 12-14, 2020

Omni Orlando Resort at Championsgate | Orlando, Fla.



223
DAYS

17
HOURS

35
MIN

32
SEC

Climate-Smart Hospital

Set a greenhouse gas goal for the hospital / health system

Reduce OR energy use & waste

Invest in renewable energy

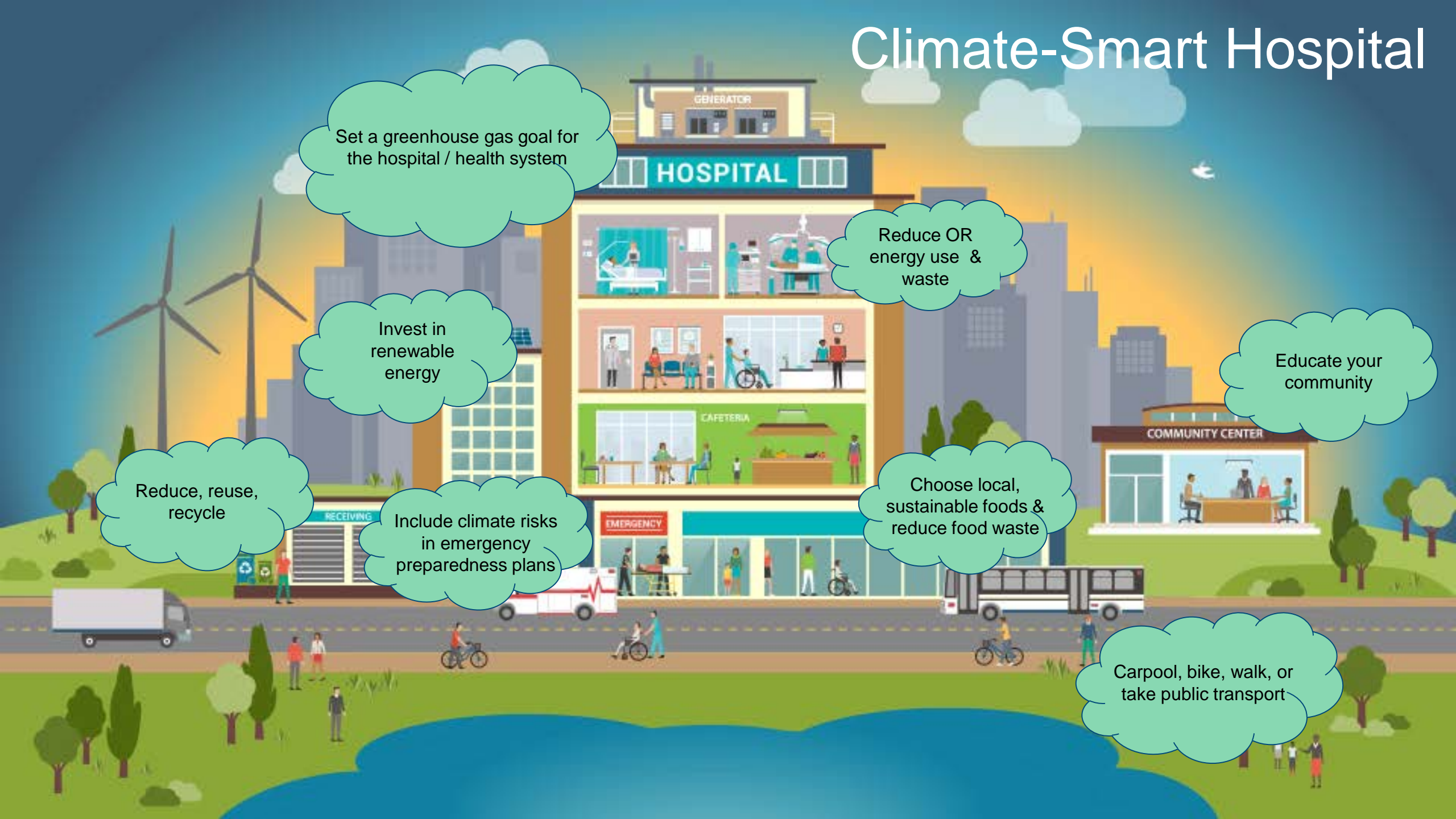
Educate your community

Reduce, reuse, recycle

Include climate risks in emergency preparedness plans

Choose local, sustainable foods & reduce food waste

Carpool, bike, walk, or take public transport



The background of the slide is a photograph of a field with tall, green grass. In the distance, a person is visible, though they are out of focus. The overall lighting is somewhat dim, giving it a serene or contemplative feel.

Questions?

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noharm.org/climateandhealth