

2024 VIZIENT CONNECTIONS SUMMIT

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REFLECTION

REFLECT | ADAPT | EVOLVE



Transforming Today for a Healthy and Sustainable Tomorrow

Corey Perry, JD, MDiv, Vice President, Mission, Ministry and Ethics, OhioHealth

Terri M. Scannell, MBA and Law, Principal Advisor, Sustainability and ESG, OhioHealth

Allegra Wiesler, Advisor, Sustainability, OhioHealth

Meredith Edwards, MBA, Director of Supply Chain Sustainability & Diversity, Stanford Health Care

Terry Duffina, MBA, MA, Director of the Sustainability Program Office, Stanford Health Care

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Learning Objectives

Describe two supply chain sustainability initiatives that help decrease healthcare's carbon footprint.

Discuss leading practices to improve operational efficiency and community health in the face of climate change.



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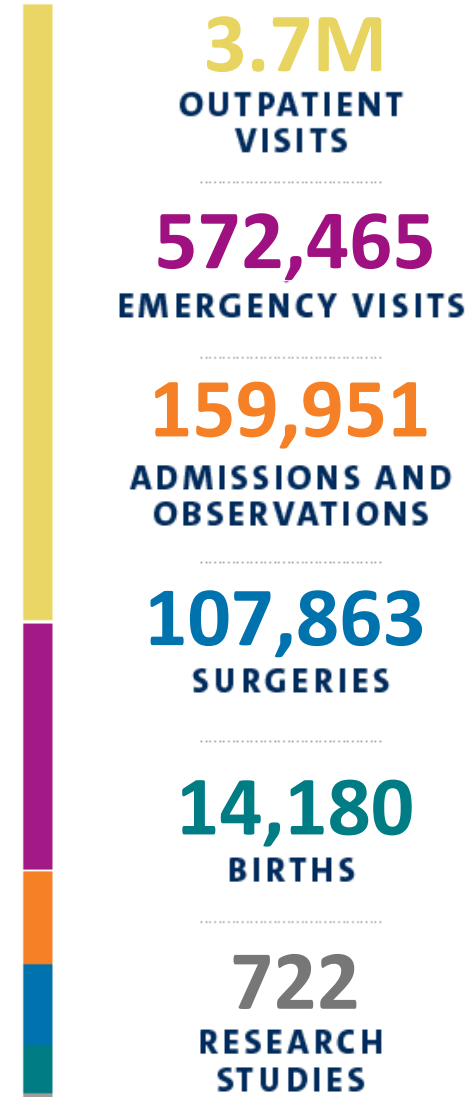
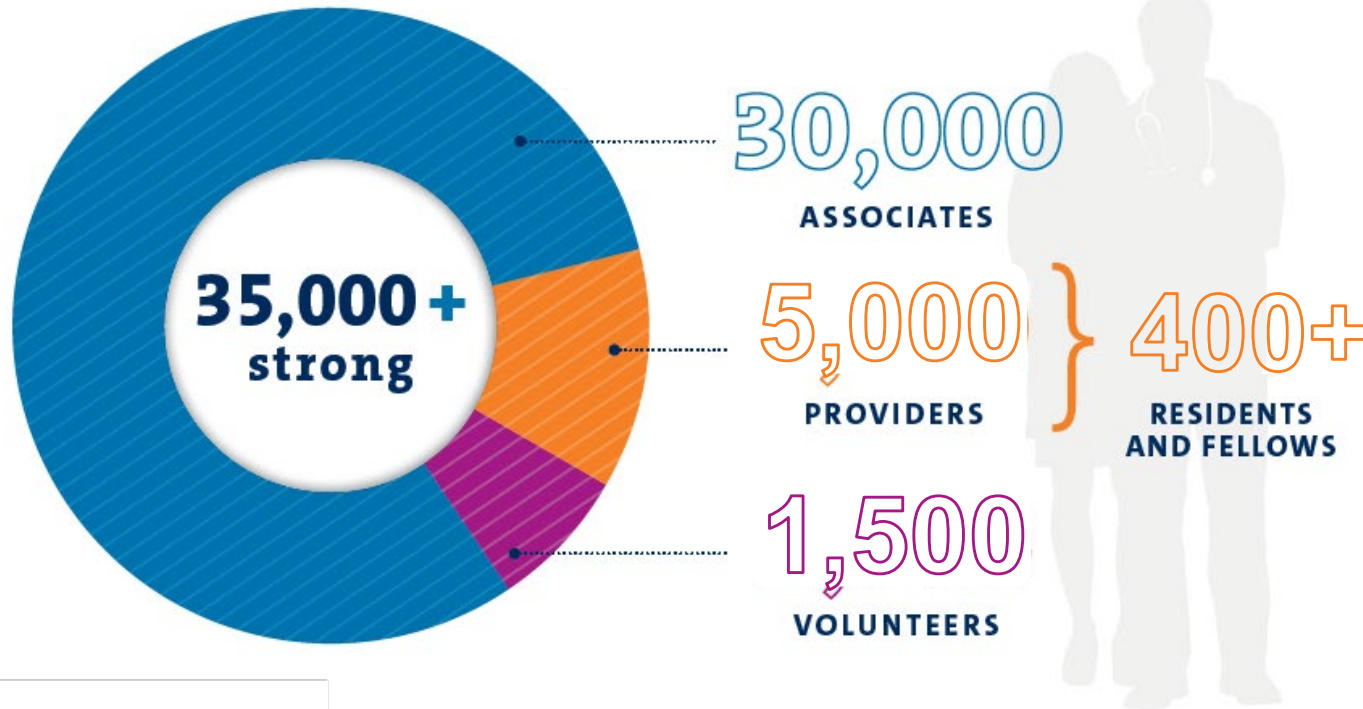
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OhioHealth Size and Scale

West Ohio Conference of United Methodist Church



We are a faith-based, not-for-profit healthcare system.



REFLECTION

Represents Fiscal Year 2022 Data

18 Hospitals and Over 200 Care Sites Across Ohio



■ OhioHealth Service Area

● Member, Managed, & JV Hospitals

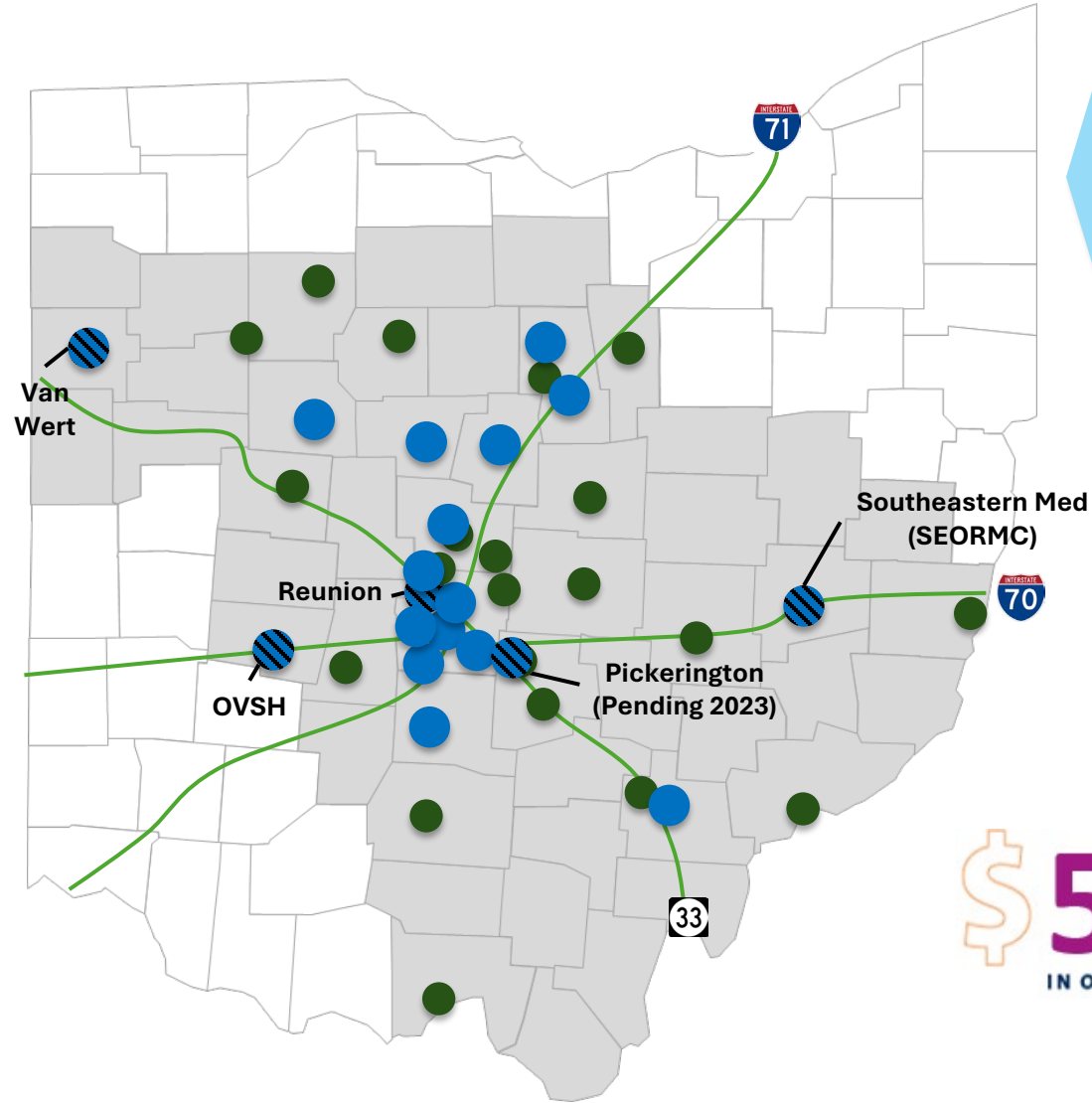
▨ 2021+ Additions

● Additional Program Deployment

➤ Service Line Outreach/Support

➤ OhioHealth Stroke Network

➤ Supply Chain Management



• Collectively, our 50-county service area includes ~4M people

2020, 2021, 2022 & 2023
TOP HOSPITALS & HEALTH
SYSTEMS FOR DIVERSITY

BY DIVERSITY INC

\$5.4b { FINANCIAL STRENGTH RATING
 IN OPERATING REVENUE In FY22
 AA+ BY STANDARD & POOR'S
 Aa2 BY MOODY'S
 AA+ BY FITCH

REFLECTION

WHAT WE BELIEVE

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Mission

To improve the health of those we serve.

Vision

To provide exceptional care for all through experiences that earn a lifetime of trust.

Values

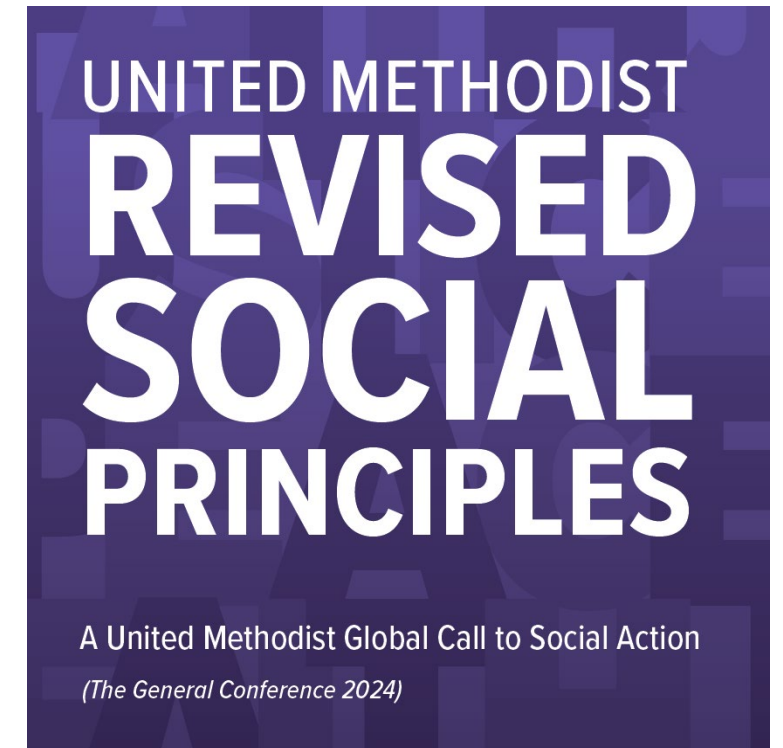
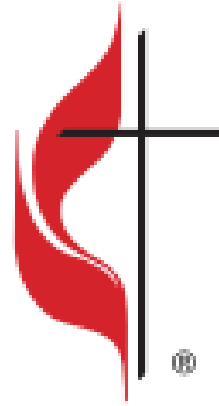
**Compassion, Excellence, Inclusion,
Integrity and Stewardship**

Cardinal Value

**To honor the dignity and
worth of each person.**

Social Principles and Environmental Stewardship

- As an extension of UMC, Environmental Stewardship is fundamental
- Formed and informed by the Church's teachings and Social Principles
- Demonstrated in our commitment to protect and heal the communities WE serve
- **Creation care:** care of the planet, all people and all species



Why OhioHealth Set Sustainability Goals

*“Climate Change is the greatest **health** threat of the twenty-first century, and also the greatest opportunity to address social determinates of health”*

-The Lancet

SUSTAINABILITY

HAS A DIRECT

IMPACT

on **human health**

AND it directly connects to our value of

STEWARDSHIP.

At OhioHealth, sustainability is not peripheral: our patients deserve it and our associates expect it

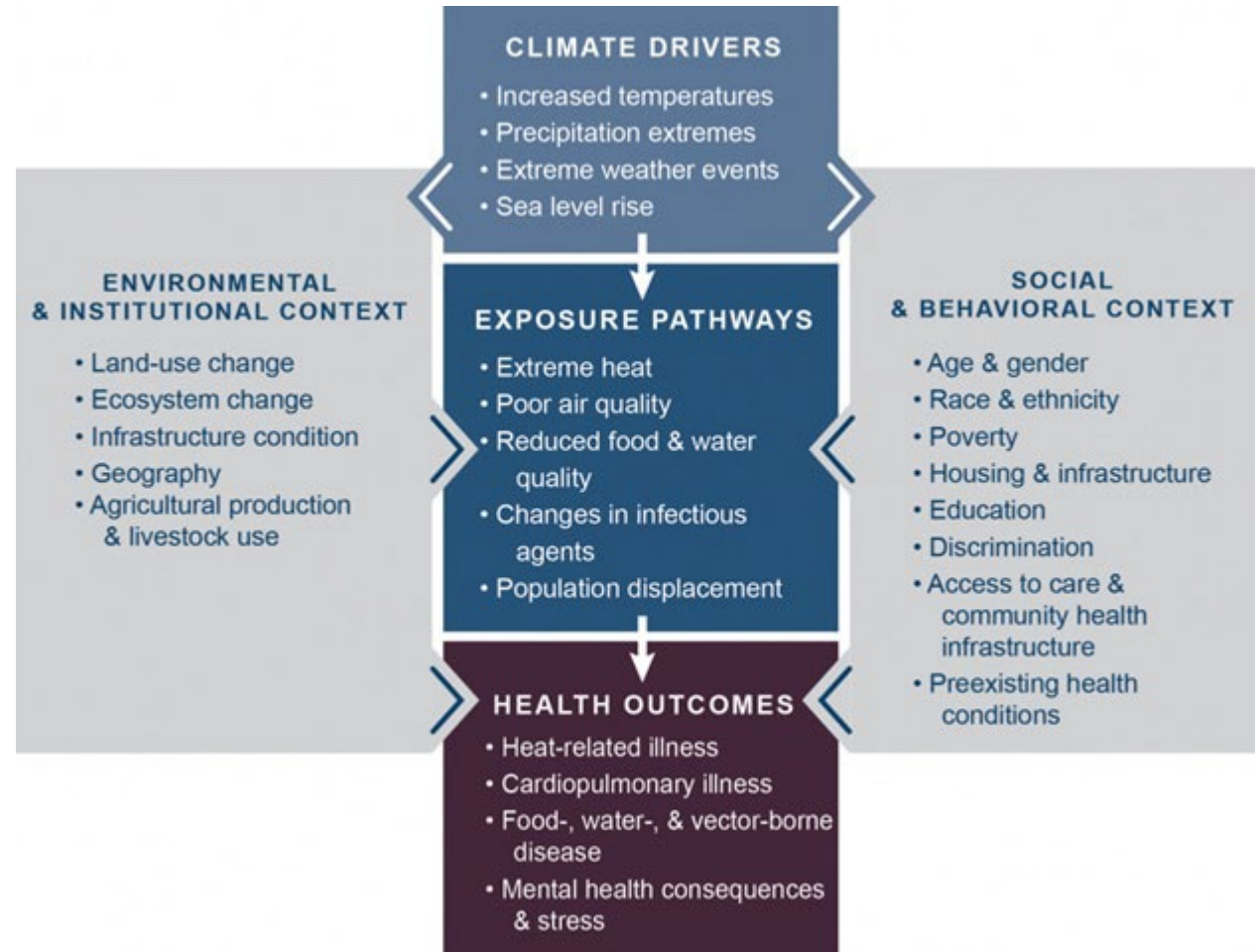
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Code Red for Humanity

IPCC Working Group 1 report is a **code red for humanity**. The alarm bells are deafening and the evidence is irrefutable: greenhouse-gas emissions from fossil-fuel burning and deforestation are *choking our planet and putting billions of people at immediate risk*
 IPCC August 2021

The last time CO2 levels in our atmosphere were this high was over two million years ago. We've already warmed the planet by 1.1°C since pre-industrial times, and this is *causing dangerous disruption in nature and impacts on people across the world*.

IPCC Mar 20, 2023



USGCRP, 2016: *The Impacts of Climate Change on Human Health in the United States: A Scientific Assessment*. Crimmins, A., J. Balbus, J.L. Gamble, C.B. Beard, J.E. Bell, D. Dodgen, R.J. Eisen, N. Fann, M.D. Hawkins, S.C. Herring, L. Jantarasami, D.M. Mills, S. Saha, M.C. Sarofim, J. Tritanji, and L. Ziska, Eds. U.S. Global Change Research Program, Washington, DC, 312 pp.

IPCC=Intergovernmental Panel on Climate Change

REFLECTION








Impacts of Climate Change on Human Health



CHANGES IN CLIMATE

-  Increased global temperature
-  Extreme weather and disasters
-  Precipitation extremes
-  Sea level rise
-  Changes in land use and growing seasons

EFFECTS OF CLIMATE CHANGE

-  Extreme heat
-  Air and water pollution
-  Reduced food and water quality
-  Changes in infectious diseases and vector transmissions
-  Increasing allergens

HEALTH IMPACTS

-  Heat related illness
-  Cardiovascular disease, stroke, and other chronic conditions
-  Injuries and death
-  Mental and neurological disorders
-  Zoonotic, vector- and water- borne diseases
-  Respiratory diseases and asthma



Climate Change Affects Us Unequally



Under-served populations with health disparities

(Some communities of color; Low-income populations; Low-educational attainment groups; Immigrant groups; Indigenous populations)



Exposed workers

(e.g., farmers, construction workers)



Persons with disabilities



Vulnerability by life stage

(Fetal/pre-natal, infants, young children, pregnant women, elderly)



Vulnerability associated with chronic medical conditions

(e.g., diabetes, asthma, cardiorespiratory diseases, psychiatric diseases)



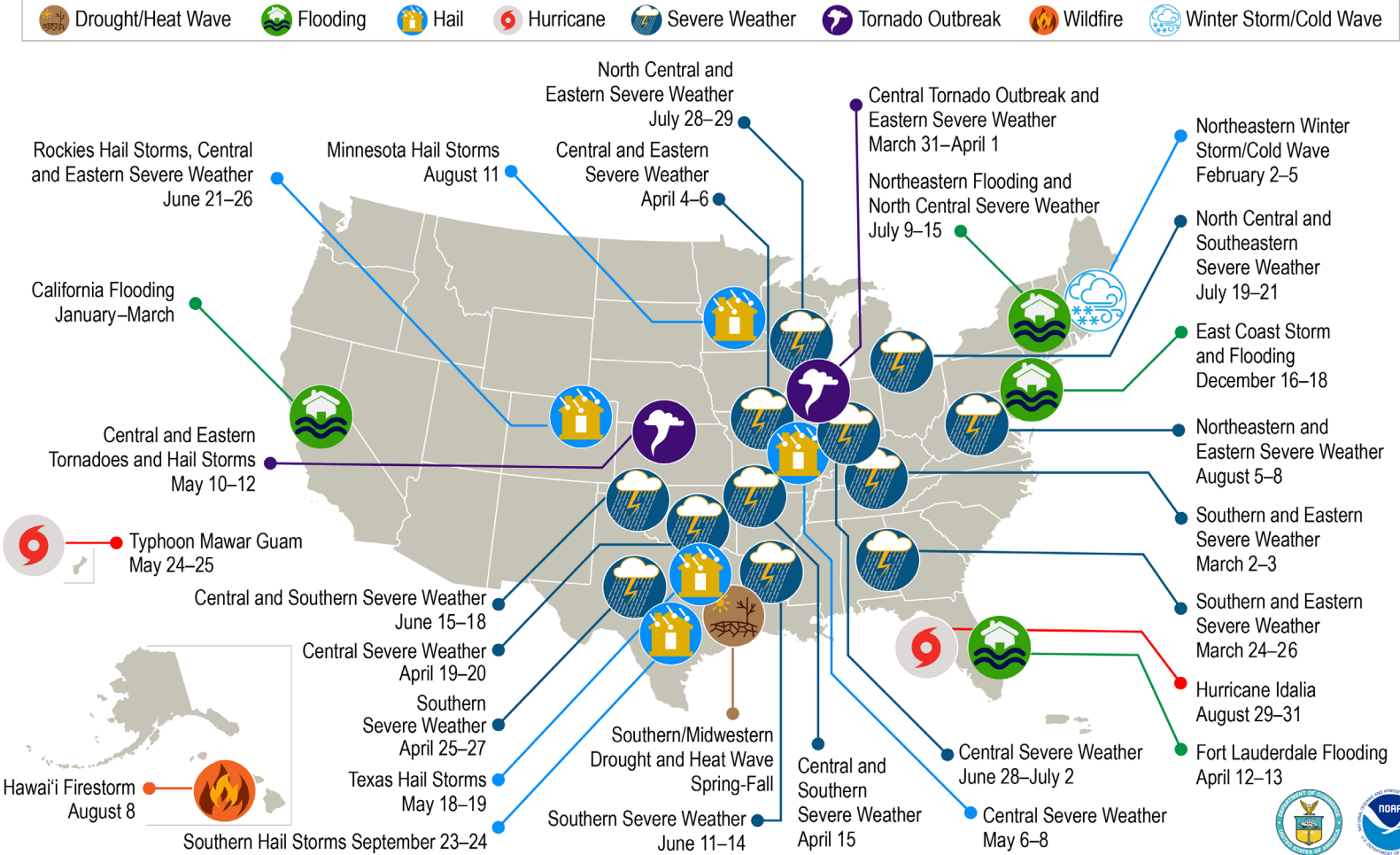
Populations in LMICs

(Higher rates of existing diseases, malnutrition, and extreme poverty)

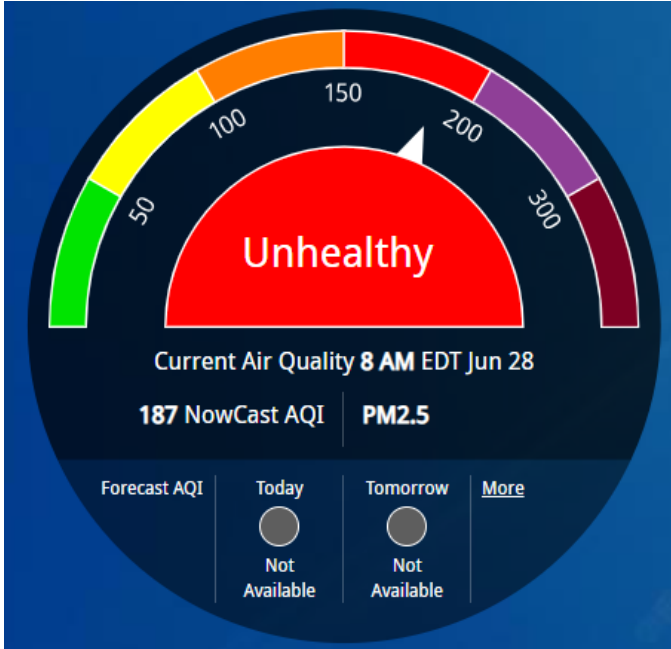
Climate Events Impact Health and Care Delivery



U.S. 2023 Billion-Dollar Weather and Climate Disasters

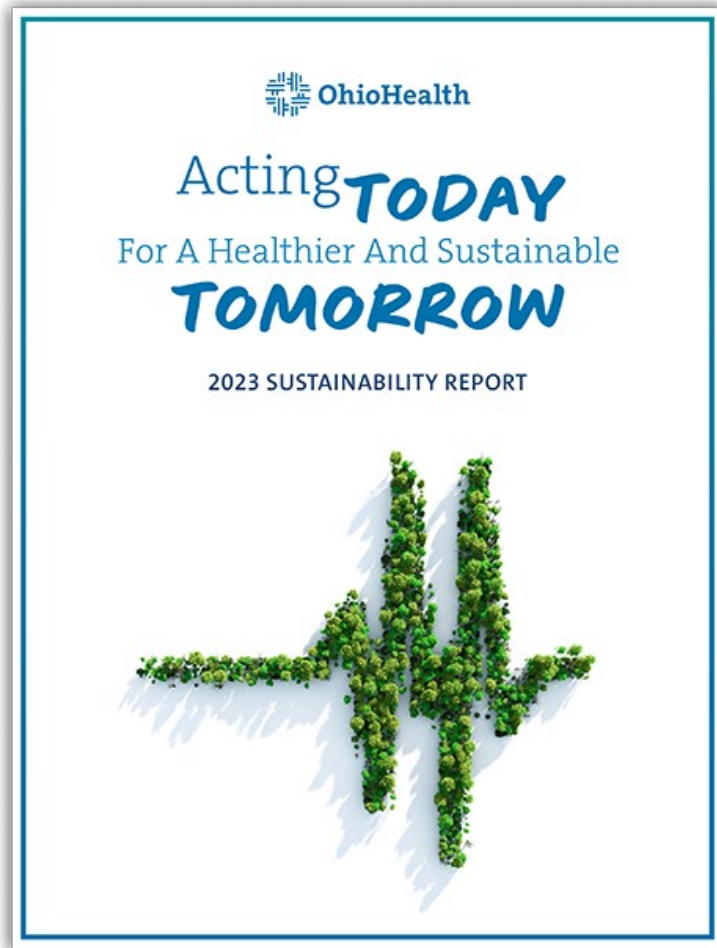


This map denotes the approximate location for each of the 28 separate billion-dollar weather and climate disasters that impacted the United States in 2023.



Source: The Columbus Dispatch

OhioHealth's Climate Pledge and Sustainability Reporting



Reduce organizational emissions by 50% by 2030 and achieve net-zero by 2050



Designate an executive-level lead and conduct an inventory of Scope 3 (supply chain) emissions

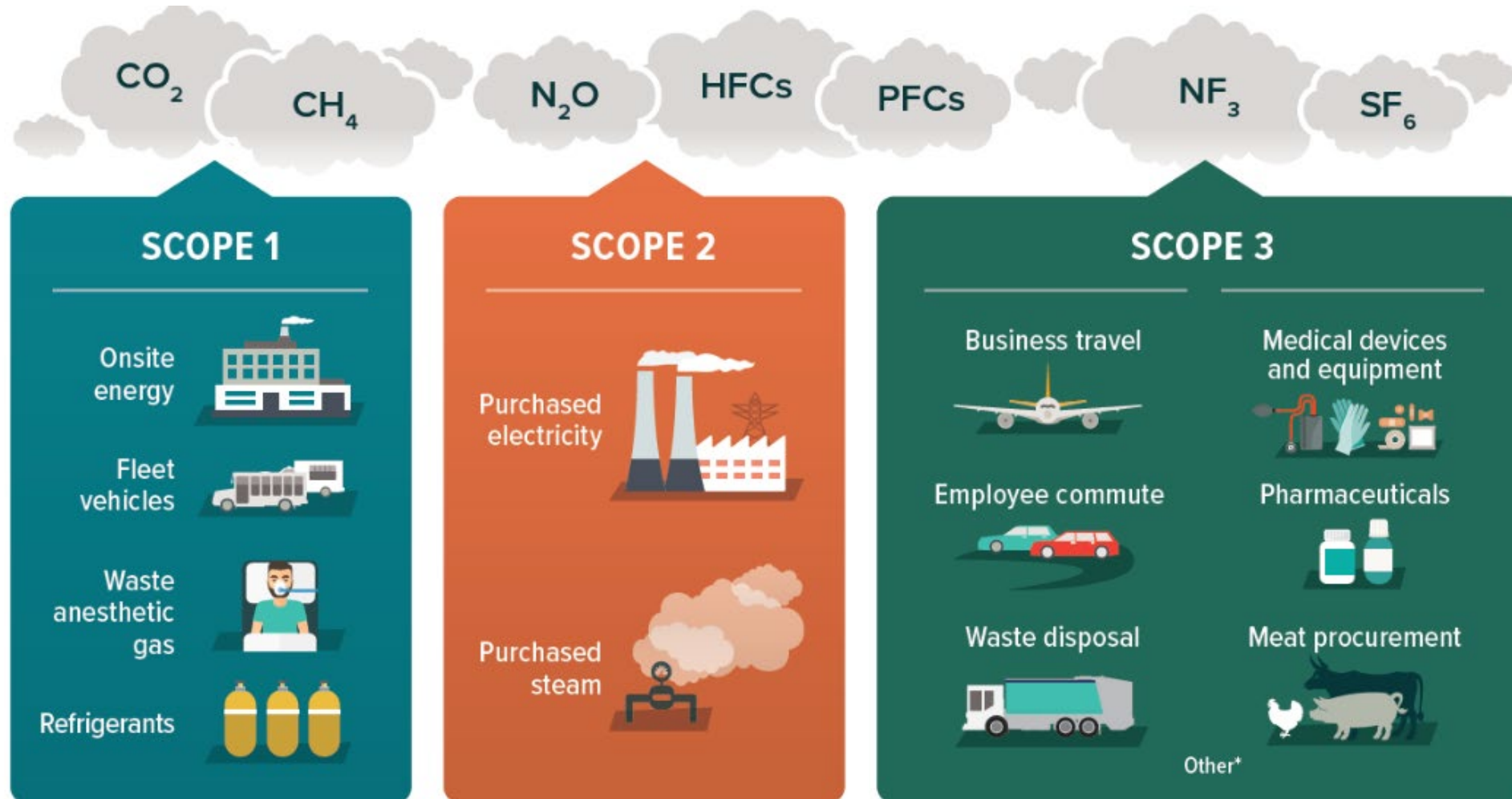


Develop and release a climate resilience plan, anticipating the needs of groups in our community that experience disproportionate risk of climate-related harm

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Targeting Healthcare Emissions

The health care sector accounts for 8.5% of U.S. emissions



Source: Health Care Without Harm & Arup, 2019

Set Goals to Improve Operational Performance



We have made meaningful progress in Sustainability
by setting board goals in 5 focus areas



**SMART
ENERGY**



**RESPONSIBLE
PURCHASING**



**HEALTHY
BUILDINGS**



**LESS
WASTE**



**GREEN
TRANSPORTATION**

REFLECTION



Smart Energy



WHERE WE ARE:

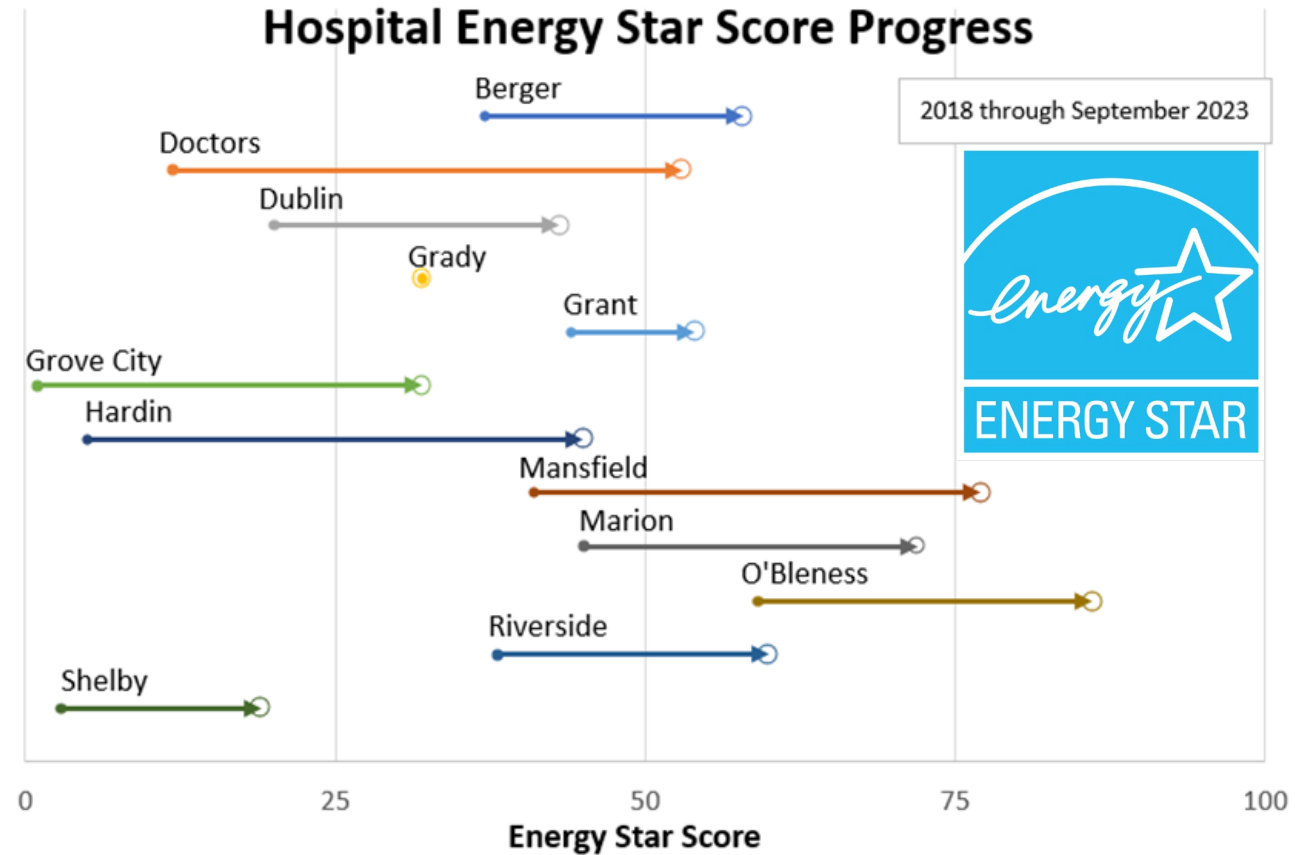
16% energy per square foot reduction since 2018

WHAT WE'VE DONE:

- Efficiency and resiliency improved at each hospital
- Pathway for all electric buildings + renewable energy

WHAT THIS MEANS:

- Reduced Scope 1 and 2 emissions by 49,000 tons of CO2 annually, resulting in 100,000 tons less coal



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Green Transportation

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WHERE WE ARE:

Prioritizing low/zero emission vehicles to minimize air pollution

WHAT WE'VE DONE:

- 100+ charging stations across central Ohio
- Courier routes moving to all EV; improving air quality
- Drone deliveries tackling access and emissions reduction

WHAT THIS MEANS:

- Shifting to green transportation means zero tailpipe pollution and reduced Scope 1 emissions reducing particulate matter in central Ohio



REFLECTION



Responsible Purchasing



WHERE WE ARE:

Implementing Sustainable Procurement program alongside Supplier Diversity

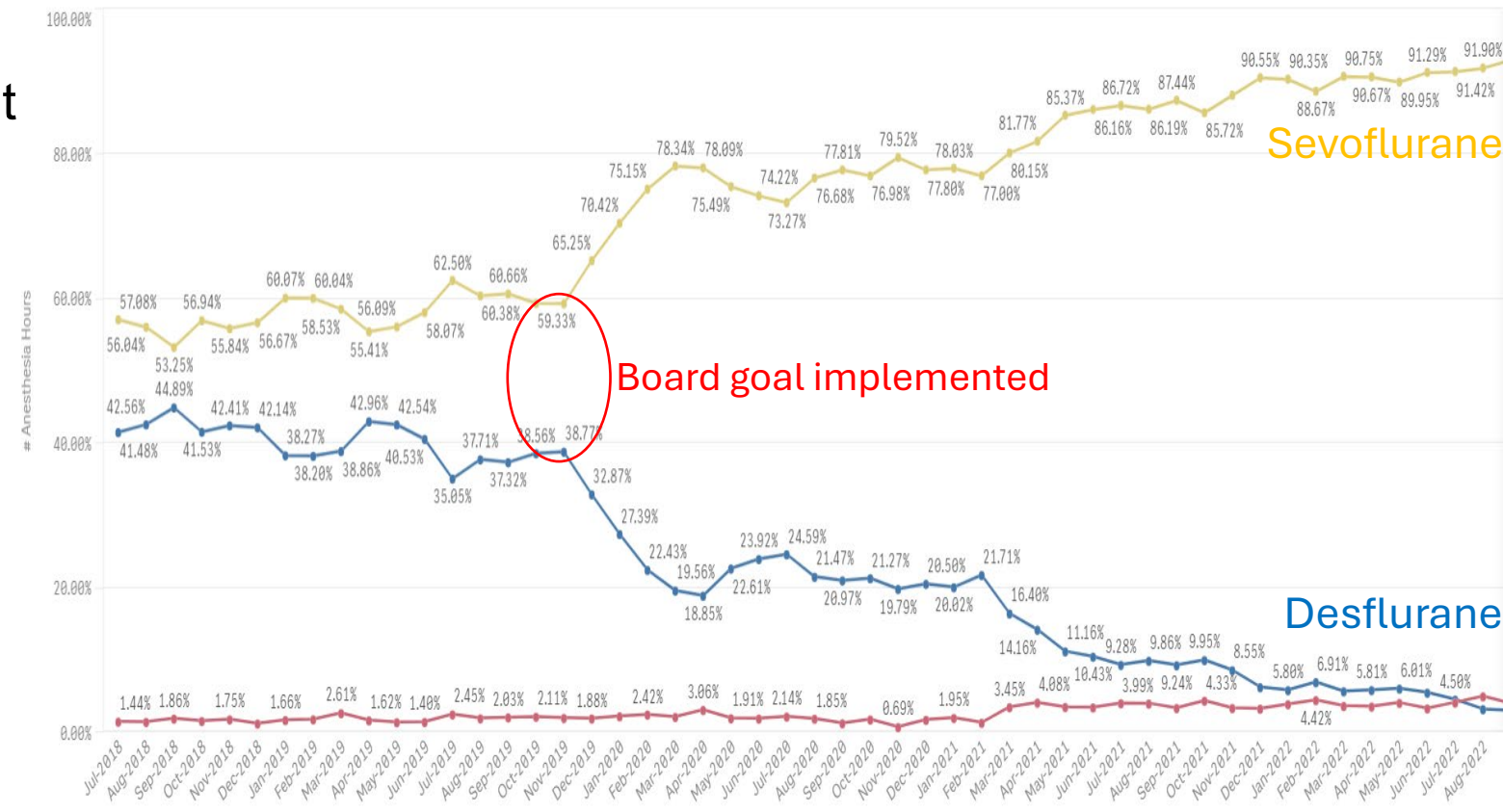
WHAT WE'VE DONE:

- Established policy to prioritize emissions reductions, chemicals of concern, and more
- Implemented projects, such as eliminating desflurane (anesthetic gas)

WHAT THIS MEANS

- Healthier environment for our patients and clinicians

Anesthesia Gas Usage by Month





Healthy Buildings

WHERE WE ARE:

Sustainability standards integrated into all construction projects and building resiliency

WHAT WE'VE DONE:

- Standards reinforce equitable charging access across our communities
- Commitment to community, patient, and associate health

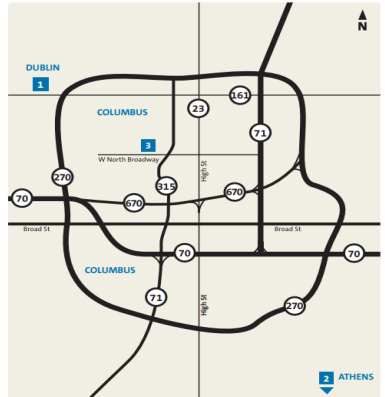

WHAT THIS MEANS

- Targeting building standards aligns with climate resiliency strategy, extends asset life, and supports culture



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OhioHealth Electric Vehicle Charging Ports



Facility	Charging Port Type	Count
OhioHealth Dublin Methodist Hospital Visitor Lot	Universal	2
OhioHealth O'Bleness Hospital Lot J / Cornwell Center	Universal	6
OhioHealth Riverside Methodist Hospital Green Garage	Tesla	4
OhioHealth Riverside Methodist Hospital Green Garage	Universal	2
OhioHealth Riverside Methodist Hospital Purple Garage	Garage Level 3 Universal	4

REFLECTION



LESS
WASTE

Less Waste



WHERE WE ARE:

Recycling rates are at 23% and diverted 240 tons of food waste

WHAT WE'VE DONE:

- Over 2,500 tons of waste is recycled each year
- Controlling food waste reduces cost, remain at budget despite 18% inflation in food cost
- OhioHealth Kitchens do not add to 1 million lbs. of food waste a day in Franklin County

WHAT THIS MEANS:

- Minimizing waste reduces methane and CO2 Scope 3 emissions and reduces hunger of most vulnerable populations.



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Imagine...

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What does our vision need to look like if, as the leading healthcare steward in our communities, WE restore health for current and future generations?



REFLECTION

Lessons Learned

- A board-level goal moves the needle on environmental sustainability and a three-year goal window accelerated wins.
- Advisory and structure support from our Faith, Culture and Community Benefit Board Committee is a critical success factor for aligning with mission.
- Leadership support and trust of functional implementation teams to make an impact was key to sustainability goal ownership across the organization.
- Implementation of sustainability goals requires consideration of key community stakeholders.

Key Takeaways

- We're far from done but integrating sustainability will continue to support meaningful advancements in environmental leadership, operational performance, and community health while building a culture of stewardship and ethics.
- Don't outsource the hard work and of insight and creativity; trust internal experts and community members to know their areas, leveraging sustainability to foster engagement and boost culture.
- Set teams up for success by celebrating wins AND learning from challenges.



Stanford
MEDICINE



1,198
Licensed Beds



\$9.8B
Annual Revenue



+27,000
Employees



>400
Clinic Locations



**STANFORD
HEALTH CARE**



**LUCILE PACKARD
CHILDREN'S HOSPITAL**



**STANFORD HEALTH CARE
– TRI-VALLEY**

Stanford Medicine's Sustainability Commitments



Stanford Medicine has committed across the entire strategic framework, from Board of Directors to Stanford Health Care Annual Operational Plan.

Stanford Medicine leaders sign Biden administration pledge to address climate change

A roundtable at the White House on reducing the health care industry's climate-warming emissions includes leaders from Stanford Medicine.

Related News

November 28, 2022

Editor's note: This article was published on June 30, 2022, and was updated on November 28, 2022.

Stanford Medicine's health leaders have joined the Biden White House roundtable, part of the health care sector and more resilient to the effects of climate change. The June 30 event included representatives from hospitals and numerous pharmaceutical companies, suppliers and group purchasers committed to meeting the health care industry's goal of reducing climate-warming emissions by 50% by 2030.

Sustainability Affirmation Statement

Stanford Medicine

Climate change is a threat to global public health. As one of the most significant contributors of greenhouse gas emissions, the health sector has an important role to play in tackling this threat.

A pioneer and innovator in health care, Stanford Medicine is committed to leading the way in reducing our environmental footprint and promoting the health and well-being of the people and communities we serve.



Integrated Strategic Plan 2030

Our Mission
Improving Human Health through Discovery and Care. Through innovative discovery and the translation of new knowledge, we improve human health locally and globally. We serve our community by providing outstanding and compassionate care. We inspire and prepare the future leaders of science and medicine.

Our Vision
Precision Health: Predict. Prevent. Care. Precisely. Heal humanity through science and compassion by leading the biomedical revolution in Precision Health.

Our Values
Excellence and Service
Leadership and Integrity
Innovation and Impact
Diversity, Inclusion, and Health Equity
Collaboration and Partnership

We are, therefore, committed to:

- 1) setting a standard for sustainability
- 2) implementing innovative solutions
- 3) reducing the environmental footprint

While this achievement will continue to explore, identify and implement solutions.

Through this undertaking, we will continue to explore, identify and implement solutions.

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Human Centered & Discovery Led

Value Focused	Digitally Driven	Uniquely Stanford
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Extend Stanford Medicine's impact globally through measured growth in our academic medical system.

Manage current and future patient care embracing novel solutions and existing partnerships.

Develop sustainable funding for research and discovery through philanthropy.

Support human and environmental health by harnessing our unique capabilities and environmental impact.

Promote physical, mental, financial, and emotional well-being and resilience: Foster a supportive atmosphere so that all can thrive.

DRAFT 9.13.23

FY-2024 TARGET FOR YEAR

QUALITY, SAFETY & HEALTH EQUITY (Q) **VIZIENT TOP PERFORMER***

*Vizient Top Performer is 5 Star Inpatient and Top Ten Ambulatory (Goal is for SHC only)

PATIENT *********

Stanford Health Care's Value Equation
Value equals quality plus service divided by cost, amplified by the engagement of our employees

Mortality
Mortality Index: <0.70

Safety
Hospital Acquired Conditions (HACs):
- Reportable HAPI Rate: ≤0.12/1,000 Patient Days
- Inpatient Falls with Injury Rate: ≤0.40/1,000 Patient Days

Health Equity
Annual Health Equity Report: Continue to identify and analyze disparities in Quality and Safety outcomes. Develop a written action plan to describe SHC's approach to address at least one hospital and ambulatory-based health care disparity in our patient population. Equitable Access to Research: Perform baseline assessment of inclusion practices related to underserved populations/patients enrolled in hospital-based clinical trials.

Sustainability/Climate Health
Greenhouse Gas Emissions Reduced by 3%
Waste Diversion from Landfill by 5%

Effectiveness and Efficiency
30-Day Readmission Rate: <11%
Length of Stay Index: <0.91
Advance Care Plan Rate: >25%

* Data sources: Vizient, NCHQ, NHQ, and SHC Internal Data

Overall Ratings:
Likelihood to Recommend: 86.2% Video
Visits Overall Experience: 85.0%

Timely, Appropriate Access
Improve Access for Urgent/Emergent Patients (as Defined by SGM and SHC)

Communication

Improve utilization of MyHealth/Digital Access by:
- 90% of patients enrolled
- 30% of appointments added to waitlist
- 20% of referrals lead to a scheduling ticket as appropriate

Federal Commitment

Reduce organizational emissions by 50% by 2030 (from a baseline of 2012) and achieve net-zero by 2050, publicly accounting for progress on this goal every year.

Stanford Medicine Board of Directors Commitment

Committed to promoting the health and well-being of the people and communities Stanford Medicine serves while safeguarding the environment for future generations

Stanford Medicine Integrated Strategic Plan (ISP)

Support human and environmental health by harnessing our unique capabilities and reducing our environmental impact

Stanford Health Care FY24 Operational Plan

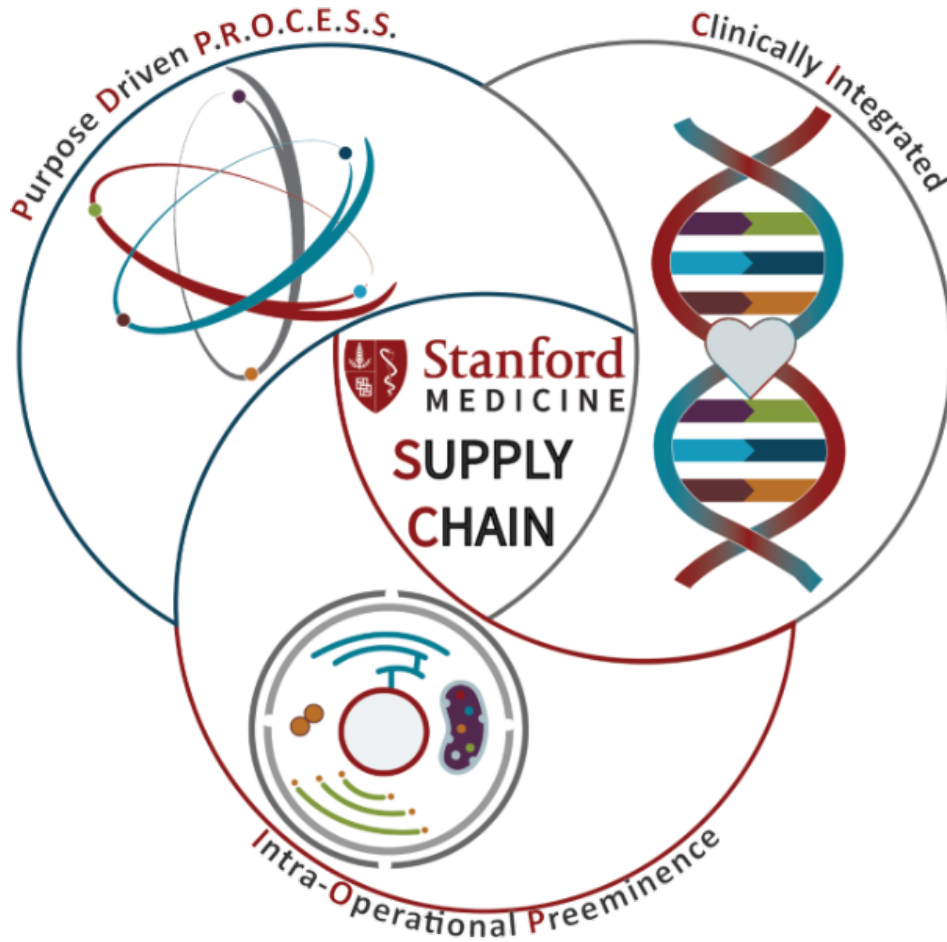
- Greenhouse Gas Emissions reduced by 3%
- Waste Diversion from Landfill by 5%
- Improve Air Quality by Reducing Single Occupancy Vehicle by 5.7%

REFLECTION

Transforming Tomorrow's Health Care Supply Chain



Stanford Medicine's vision is to be a leading-edge Supply Chain Organization.



Digitally Driven: Enhancing people, process, and technology through digital innovation and intelligence

Purpose Driven P.R.O.C.E.S.S.: Purchasing Reliable services and products that are Outcomes-Based and Clinically-Integrated from Equitable and Sustainable Sources

Intra-Operational Preeminence: Delivering premium value together as a single network, as one supply chain

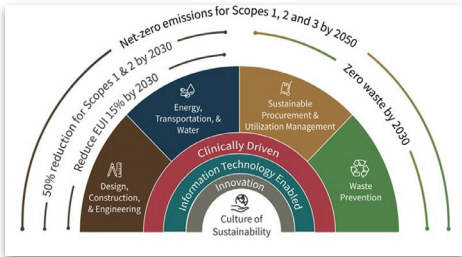
Clinically Integrated: Serving the healing hands and our patients through ensuring all the 'rights' are met in bringing forward value, impact, and linking to outcomes

REFLECTION

The Why: Benefits of Sustainable Procurement



Sustainable procurement promotes environmental responsibility, supports employee engagement, and enhances community and patient health.



Contributes to sustainability goals

Integrates and balances sustainability alongside other organizational goals such as safety, budget, resilience, and diversity



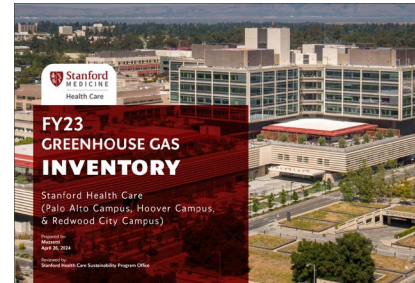
Contributes to patient, employee, and community health

Reduces exposures to chemicals of concern throughout Stanford Medicine's facilities



Reduces unnecessary waste

15,000 pounds of waste is generated daily at the Palo Alto campus alone



Supports a healthier environment

Reduces greenhouse gas emissions associated with purchased goods and services, which account for the majority of Stanford Medicine's total emissions



Emphasizes product lifecycle cost

Considers production, packaging, transportation, use, and disposal

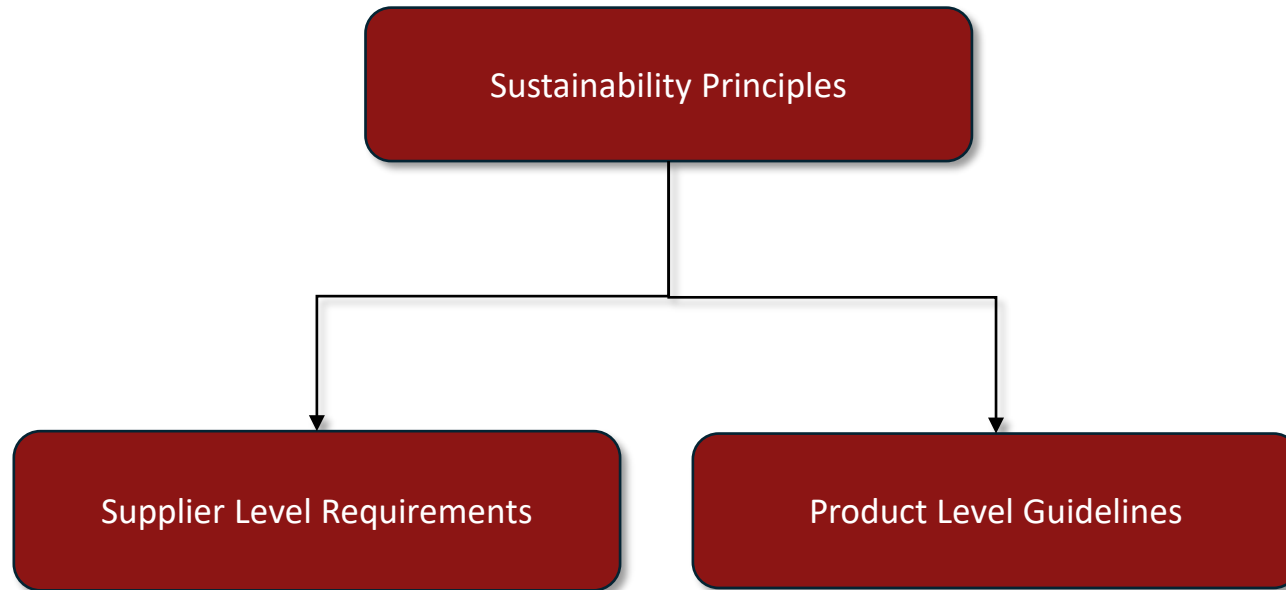


Attracts new employees and helps with engagement

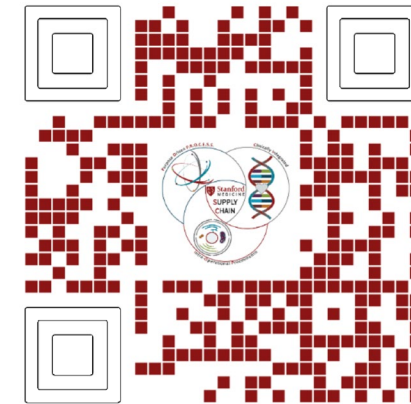
86% of Stanford Health Care employees state that it's important for them to work for an employer that prioritizes sustainability

Stanford Medicine's Sustainable Procurement Policy (SPP) **vizient.**

In May 2023, Stanford Medicine adopted a Sustainable Procurement Policy.



The SPP is founded on a set of principles that require suppliers to consider operational practices and product level attributes.



Sustainable Procurement Policy

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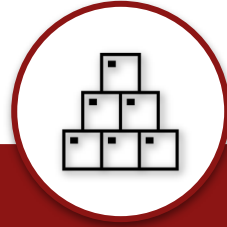
Sustainable Procurement Policy: Principles

The SPP includes five overarching sustainability principles, with specific supplier and/or purchasing requirements related to each principle.



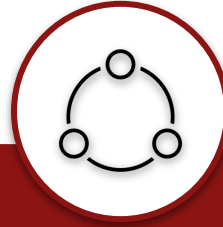
Reduce
greenhouse gas
(GHG) emissions

Example:
Suppliers reduce
Scopes 1 & 2
emissions



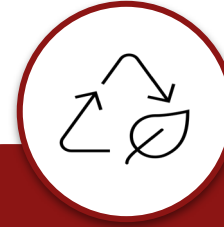
Incorporate
healthy
materials

Example:
Products do not
contain specific
chemicals
of concern



Design for a
circular
economy
(waste)

Example:
Products can
be reused,
reprocessed, or
recycled



Promote water
and energy
efficiency

Example:
Energy Star or
WaterSense
certification



Prioritize local
and regional
manufacturers

Example:
Suppliers
are locally or
regionally based

Sustainable Procurement Policy: Product Level Guidelines



Stanford Medicine is developing detailed sustainability requirements for each major product category.



Medical

- Medical Products
- Lab Supplies
- Pharmacy Supplies



Technology, Digital Services, and Bio-Med

- Bio-Medical Equipment
- IT Equipment
- Print Management



Hospitality and Environmental Services

- Food Services
- Cleaning Supplies
- Medical Device Disinfectants
- Patient Equipment
- Waste Management



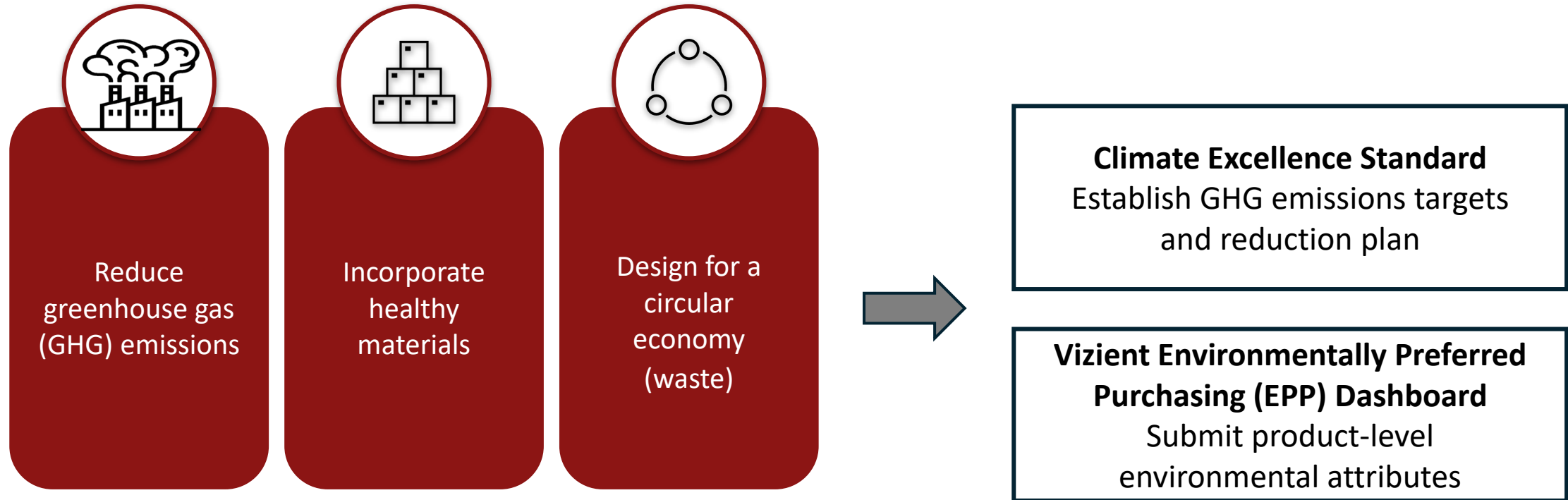
Facilities Management, Construction, & Interiors

- Logistics
- Interiors
- Construction Materials
- Office Supplies
- Maintenance, Repair, and Operations (MRO)

REFLECTION

Sustainable Procurement Policy: Current Targets

The current focus of the SPP is on greenhouse gases (GHG), healthy materials, and circular economy. There are targets set for each principle.



Supplier Level Requirement: Climate Excellence Standard



Suppliers must establish greenhouse gas (GHG) emissions targets and reduction plan aligned with the Climate Excellence Standard.

Phase 1 Requirements (2023 – 2025)

- Set emissions reduction targets approved by Science Based Targets Initiative (SBTi)
- Measure and disclose emissions
- Verify emissions data through third-party
- Minimize carbon offsets and plan to reduce operational emissions
- Encourage vendors to adopt science-based targets



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Product Level Requirement: Vizient EPP Dashboard



Suppliers must submit environmental data to Vizient for inclusion in its dashboard.

EPP Attribute Analysis

Health System

Data Range: 01/01/2017 - 12/31/2017

*Total EPP spend is any product that has at least one EPP attribute.

Overall EPP Spend Percentage

System_ID	System_Name	Total EPP Spend*	Total Overall Spend	EPP %*
123456	Health System	\$1,655,082	\$54,614,766	3.03%

Contract/Non-Contract Spend

System_ID	System_Name	Total EPP Spend*	Contract*	Non-Contract*
123456	Health System	\$1,655,082	\$1,288,770	\$366,312

EPP Attribute Name

BPA_Free	DEHP_Free
Energy_Star	Flame Retardant Free
Latex_Free	Mercury_Free
Polystyrene Free (Packaging)	PVC_Free
Recycled (Packaging)	Recycled (Product)
Reprocessable	(blank)

Clinical_Label

Capital Equipment	Clinical Commodity
Clinical Preference	Commodity
Other	Out of Scope
Pharmacy	PPI

- Vizient's Environmentally Preferred Purchasing (EPP) dashboard shows the spend on products with environmental attributes
- Validates purchasing items free of harmful chemicals, such as PVC, PFAS, antimicrobials, and flame retardants
- Stanford Medicine will use Vizient's EPP dashboard to choose products aligned with the Sustainable Procurement Policy

REFLECTION

Industry Leadership in Sustainable Procurement



Stanford Medicine is an industry leader in sustainability as evidenced by leadership in numerous industry groups. These groups are advancing sustainable procurement across the sector.



Supplier Involvement:

Collective Healthcare Action to Reduce MedTech Emissions (CHARME)

Roadmap development to reduce MedTech supply chain emissions

National Academy of Medicine (NAM) Climate Action Collaborative

Webinar and roadmap development to help systems get started with sustainability

Vizient Environmental Sustainability Task Force

Vizient and select supplier collaboration to enhance environmental sustainability in healthcare through data standards development and transparency promotion

Healthcare Anchor Network (HAN)

Supports health systems on leveraging institutional assets to create economically and racially equitable local economies that sustain healthy communities

Health Care Climate Council (HCCC)

Establishment and promotion of healthcare's Climate Excellence Standard for suppliers

Vizient Environmental Advisory Council (EAC)

Offers guidance to Vizient on sustainability tools for suppliers and providers

REFLECTION

Sustainable Procurement Policy: Food Services

The following sustainability criteria apply to food purchases as outlined in the SPP.

- Fresh, seasonal, and local
- Climate-resilient
- Whole, minimally processed foods
- Less meat, better meat
 - Antibiotic and hormone free
 - Grass fed / Free range
 - USDA Organic
 - Non-GMO Certified
- Cage free eggs and rbGH-free / rBST-free dairy
- Seafood with Marine Stewardship Council Certification



Sustainable Menu

“ Reducing the overall amount of meat served in hospitals provides health, social and environmental benefits consistent with prevention-based medicine.

Hospitals...
messa...
reduci...
they s...
produ...

Plant-Forward

Stanford Health Care shifts the center of the plate to focus on vegetables and grains

OUR INITIATIVES

- Plant-Forward Meals
- Using **less meat in recipes** increases nutrition while reducing costs and environmental impact
- Serving **plant-based alternatives** to meat can provide both health and environmental benefits
- Local, sustainable produce** is cost-effective and supports local farms
- Offering **meat as an add-on option** encourages plant-forward eating and reduces meat consumption

Stanford Health Care Food Services: Sustainability Impact

In 2013, Food Services began a transformation to offer healthier and more sustainable food options, prioritizing both patient nutrition and environmental impact.

Current State (FY24):

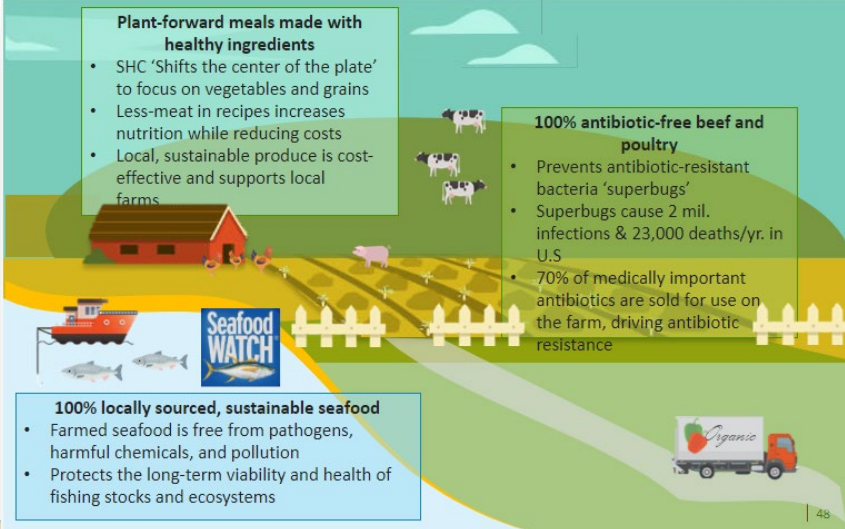
89% Produce spend is local and/or sustainable

97% Sustainable seafood purchases

92% Antibiotic-free meat purchases

100% Reusable or compostable cafeteria service ware

15.7K Meals delivered to local nonprofits from January to August 2024, diverting edible leftovers



Plant-forward meals made with healthy ingredients

- SHC 'Shifts the center of the plate' to focus on vegetables and grains
- Less-meat in recipes increases nutrition while reducing costs
- Local, sustainable produce is cost-effective and supports local farms

100% antibiotic-free beef and poultry

- Prevents antibiotic-resistant bacteria 'superbugs'
- Superbugs cause 2 mil. infections & 23,000 deaths/yr. in U.S.
- 70% of medically important antibiotics are sold for use on the farm, driving antibiotic resistance

100% locally sourced, sustainable seafood

- Farmed seafood is free from pathogens, harmful chemicals, and pollution
- Protects the long-term viability and health of fishing stocks and ecosystems

Seafood WATCH

Organic



Local Foods

The health care sector can increase access to healthy, fresh foods while addressing the social and environmental determinants of health in their communities by creating jobs and contributing to a strong and equitable food economy.

— HEALTH CARE WITHOUT HARM

We buy directly from our vendors and prioritize sustainable, healthy, and local foods. Our vendors have strong relationships with local producers and work with Stanford Health Care and producers to meet demand for high-quality ingredients.

Featured Local Partners
Select a local partner to learn more about their sustainability initiatives

- 1 Urban Remedy
- 1 Hodo
- 1 Numi Tea
- 2 Cream Co.
- 3 Clover Sonoma
- 4 The Organic Coup
- 5 Silva Sausage Co
- 6 Lundberg Family Farms
- 7 Diestel Family Ranch
- 8 Santa Cruz Organic

Stanford Health Care
Sustainability Learning Center

HOME BACK

SHC CoolFood Pledge



Led by the World Resources Institute, the CoolFood Pledge aims to cut food-related emissions 25% by 2030 through meat reduction and plant-forward meals.

Food as Medicine

- Shifted the center of the plate: emphasizing healthy vegetables and grains
- Local sourcing and meal planning centered around seasonal produce

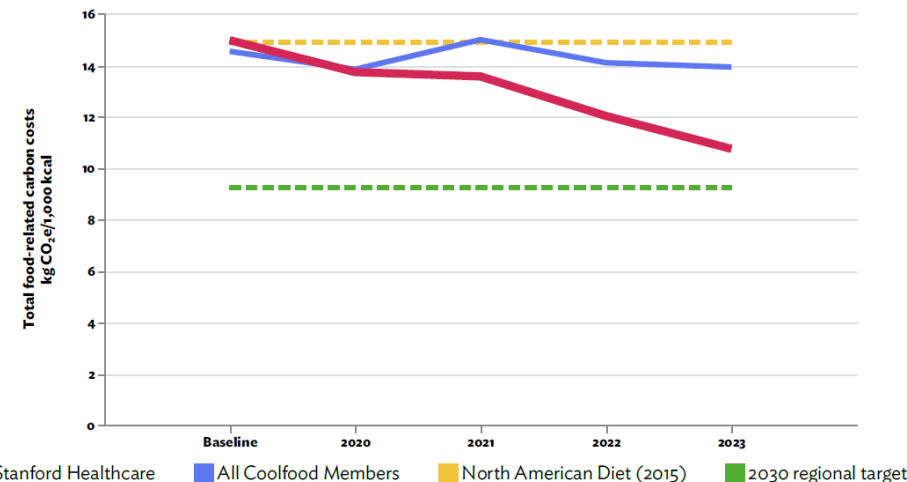
Less Meat, Better Meat

- Reducing total meat purchases
- Sourcing antibiotic and hormone-free meats, poultry, and dairy

Food Waste Prevention and Reduction

- Surplus ingredient recovery for reuse or donation

Benchmarking against all Coolfood and regional performance (per 1,000 kcal)



Sources: Emission factors from Poore and Nemecek (2018) (agricultural supply chain) and Searchinger et al. (2018) (carbon opportunity costs). Note: only "mandatory foods" (animal and plant proteins) are counted in this chart for comparability across all members.



- Emissions per 1,000 kcal (or "per plate") declined by 41% between 2019 and 2023

REFLECTION

Food Services: Food Waste Reduction



By minimizing food waste, Stanford Health Care is reducing its environmental impact and addressing food insecurity through four key initiatives.

First In, First Out (FIFO)

Food storage and organization method



Reduces food waste by ensuring that food is used prior to its best-by or expiration date

Maximizes freshness and helps minimize the amount of time food spends in storage

Tracking Food Waste

Pre-consumer food waste is tracked daily against targets and is shared with frontline staff during huddles to engage the entire team around waste prevention.



Menu Planning & Forecasting

Reduces food waste by limiting over purchasing and overproduction of food



COPIA Food Recovery

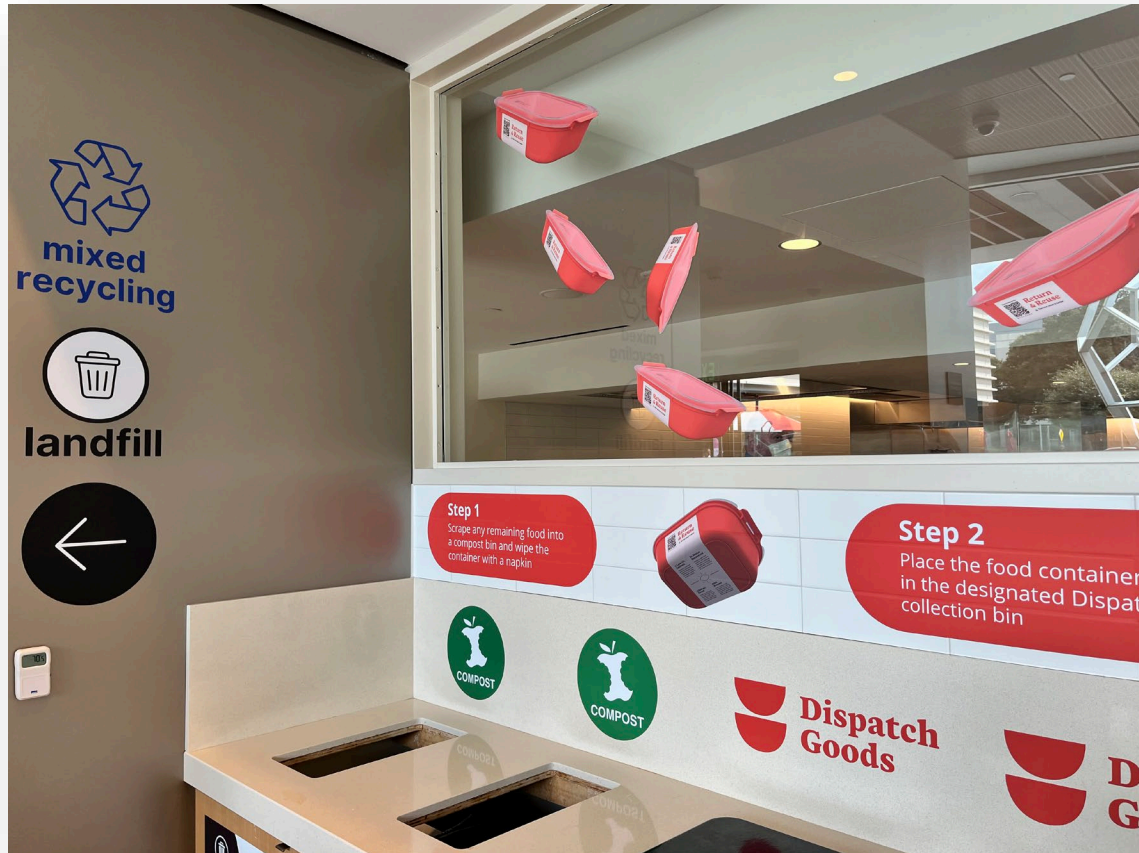
Reduces food waste and combats food insecurity by redistributing surplus food to the local community.

IN 2022, STANFORD HEALTH CARE'S IMPACT THROUGH FOOD RECOVERY WAS...

 880,000 gallons of water saved	 39,700 pounds of CO2 emissions diverted
 8,890 pounds of perfectly edible food donated	 7,400 meals delivered to local non-profits

Food Services: Design For Circular Economy

Stanford Health Care Food Services provides reusable takeout containers in place of disposables.



- Provided and serviced by a local green business, Dispatch Goods
- When returned, the containers are washed and redeployed for up to **100 uses**
- Reusable takeout containers use **1/5 of the water** and emit **1/3 of the greenhouse gases** of disposable containers
- Reusable containers improve waste sorting in the cafeteria
- **77% return rate** for the reusable containers

Questions?



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SPO Website



Sustainable Procurement Policy



REFLECTION