Pursuing Green Health-Assessing Sustainability of Hospital Operations HEALTH

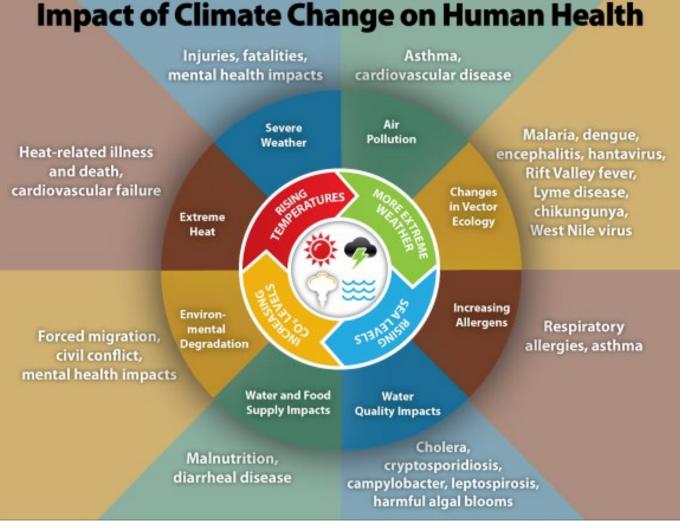
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THE ENVIRONMENT & HEALTH

Our health is impacted by our environment.

Climate change is already affecting public health.

The health impacts are not felt equally.



https://www.cdc.gov/climateandhealth/effects/default.htm



HEALTH CARE'S CONTRIBUTIONS



- Health Care responsible for ~5% of worldwide Greenhouse Gas (GHG) emissions
- U of U Health ~ 30% of campus emissions
- Health care contributes to the problem- but we can be a part of the solution!!!

Health Care Pollution And Public Health Damage In The United States: An Update



SUSTAINABILITY PRIORITIES

- Providing compassionate and environmentally sound care
- Preparing to be resilient in the face of climaterelated changes and event
- Education and research on sustainable health care



SUSTAINABILITY 2023 DIRECTED STEPS

ONE U

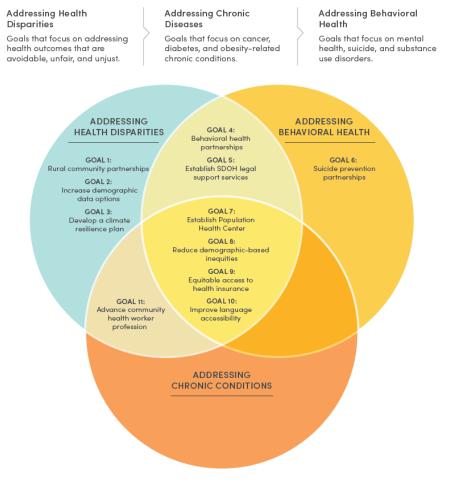
Participate in One U Sustainability efforts by ensuring that U of U Health patient and employee perspectives are included in the University of Utah Climate Change Action Plan.



Foster a culture of sustainability at U Health, including a deeper understanding of climate change impacts on patient health.



COMMUNITY HEALTH NEEDS ASSESSMENT GOAL



Develop and release a climate resilience plan for continuous operations by the end of 2023, anticipating the needs of groups in our community that experience disproportionate risk of climate-related harm.



Sustainability Benchmark Reports-Practice Greenhealth



PRACTICE Greenhealth

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2019 Sustainability

Benchmark Data

2020 Sustainability Benchmark Data



PRACTICE Greenhealth

Pandemic perspective:

Insights on health care sustainability in 2020





HEALTH CARE SUSTAINABILITY METRICS



Chemicals of Concern

- Green cleaning chemicals
- DEHP & PVC- free product lines

Energy use intensity

ENERGY STAR score



Sustainable Procurement

Green spend



Food

- Meat reduction
- Sustainably produced food
- Locally procured food

Greening the OR

- Reprocessed devices
- ORs with HVAC setback
- Greenhouse gas emissions from anesthetics

Water

- Water use intensity
- Reduction in water USE



CO2 Emissions

Lower Energy

(EUI)

Renewable energy Change in Scope 1 & Scope 2 emissions



Transportation

- Reduction in owned vehicle emissions
- Alternate fuel fleet vehicles

Less Waste

- Recycling
 - Regulated Medical Waste
- Total waste / pt day



PROCESS

- Met with U of U Health Green Team
 - 20+ teams represented
- Green Team members complete the Practice Greenhealth 'Partner for Change 2022'Award Application
- Specific conversations relevant to energy, food, anesthesia, patient support services



HEALTH CARE SUSTAINABILITY + U OF U DEPARTMENTS



Chemicals of Concern

- Purchasing
- Aesthetics & Standards
- Environmental Services



Sustainable Procurement

Purchasing &

- Contracting
- Pharmacy
- Patient Support Services
- Nutrition Care Services

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Greening the OR

- Perioperative Services
- Pharmacy
- Purchasing & Contracting
- Patient Support Services
- Facilities & Engineering

Lower Energy

Facilities & Engineering Design & Construction



Food

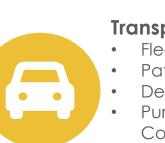
- Nutrition Care Services
- Purchasing &
- Contracting
- Environmental Services

Water

- Facilities & Engineering
- Design & Construction

CO2 Emissions

- Facilities & Engineering Perioperative Services
- Nutrition Care Services
- Fleet Services
- Patient Support Services



Transportation

- Fleet Services
 - Patient Support Services
 - Design & Construction
- Purchasing & Contracting
- HR

Less Waste

- Patient Support Services
- Perioperative Services
- Pharmacy
- Purchasing & Contracting
- Environmental Services



SPOTLIGHT: ENERGY



- U of U gets significant energy from renewables → 86th percentile for academic health centers
- Energy Use Intensity is going down!
- Many ongoing energy efficiency projects

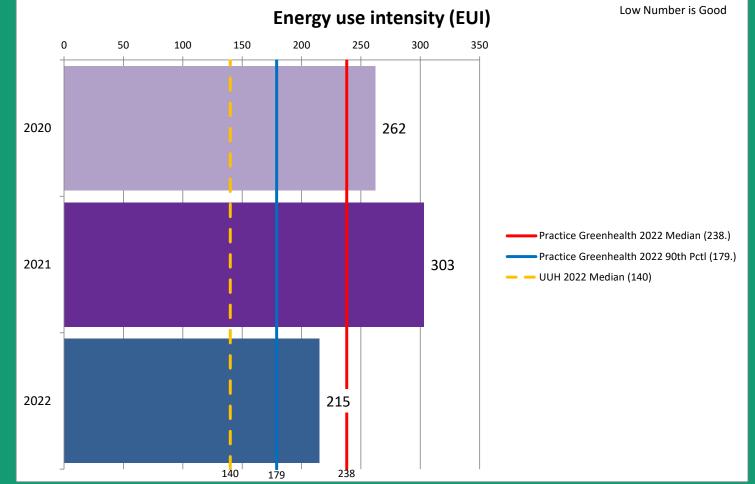














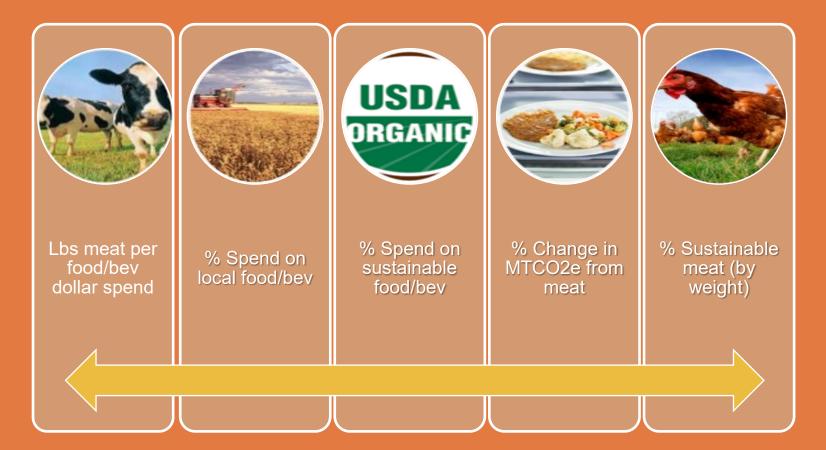


- Food waste reduction through Lean Path, donation to FeedU Pantry, anaerobic digester, food rescue
- 9.7% spend on sustainable food, up from 7.3% in 2020 – getting toward 20% goal!



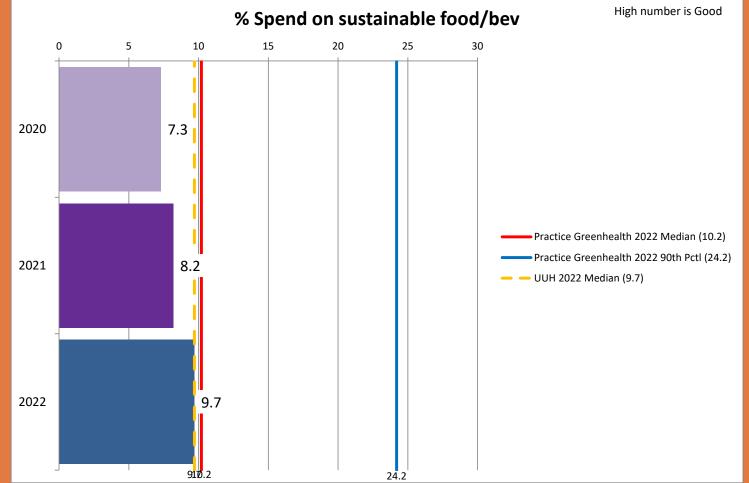














SPOTLIGHT: GREENING THE OR



- Hired Sustainability Product Portfolio Administrator!
- 10/34 reusable products vs. disposables
- Reducing CO2 equivalent from inhaled anesthetics
 - Stickers on anesthesia machines
 - Investigating nitrous oxide use



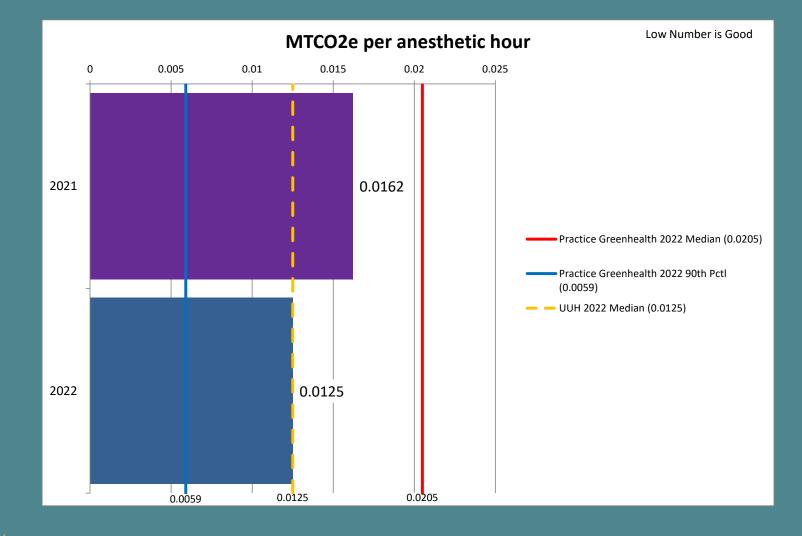
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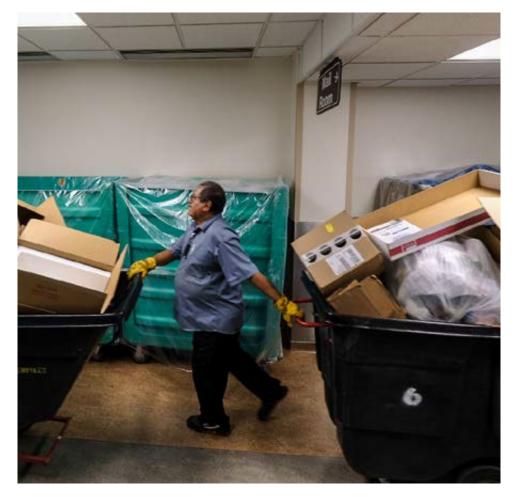


OR Greening the OR metrics





OPPORTUNITIES ON THE HORIZON



- HVAC Optimization
- Tracking Chemicals of Concern
- Waste RFP
- Room Service Model
- Nitrous Oxide Tracking
- Dashboard!

Thank you! Questions?

