

2023 VIZIENT CONNECTIONS SUMMIT

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SEPT. 18–21, 2023
WYNN, LAS VEGAS

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THE OHIO STATE UNIVERSITY



Stanford
MEDICINE
Health Care
SUSTAINABILITY



Memorial Sloan Kettering
Cancer Center

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The New Healthcare Imperative: Advancing Sustainable Collaborations

Aparna Dial, MS, MBA, LEED AP, Senior Director, Sustainability, Ohio State University Wexner Medical Center, Columbus, Ohio

Terry Duffina, MBA, BEP, SFP, Director, Sustainability Program Office, Stanford Health Care, Palo Alto, Calif.

Shane Dunne, Manager, Sustainability, Memorial Sloan Kettering Cancer Center, New York, NY

Cristina Indiveri, MS, AVP, Core Tenet Programs, Environmental Sustainability, Vizient (Moderator)

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Learning Objectives

- Describe sustainability frameworks that can be used to increase patient safety, reduce risk and improve human and community health.
- Identify implementation barriers, track critical metrics, realize cost savings, and actionable solutions to improve environmental sustainability and health equity.

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SUSTAINABILITY



Resource Stewardship Goals

University Fleet's Carbon Footprint

Reduce carbon footprint of university fleet per thousand miles traveled by 25% by 2025



Carbon Neutrality

Achieve carbon neutrality by 2050 per Presidents' Climate Leadership Commitment



Locally Sourced Food

Increase production and purchase of locally and sustainably sourced food to 40% by 2025



Ecosystem Services

Increase Ecosystem Services Index score to 85% by 2025



Potable Water Consumption

Reduce potable water consumption by 10% per capita every 5 years – reset every 5 years



Zero Waste

Achieve Zero Waste by 2025 by diverting 90% of waste away from landfills



Building Energy Consumption

Increase the energy efficiency of the university by 25% per building sq. ft. by 2025



Preferred Products

Develop and Implement standards by 2025

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External Leadership Groups

- Healthcare Anchor Network
- Health Care Climate Council
- Vizient Environmental Advisory Council
- Healthcare Plastics Recycling Council
- ASHE Sustainability Taskforce

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Focus Areas



Buildings



Climate, Health and Wellbeing



Chemicals



Energy



Leadership & Community Engagement



Food



Greening the OR



Procurement



Transportation



Waste



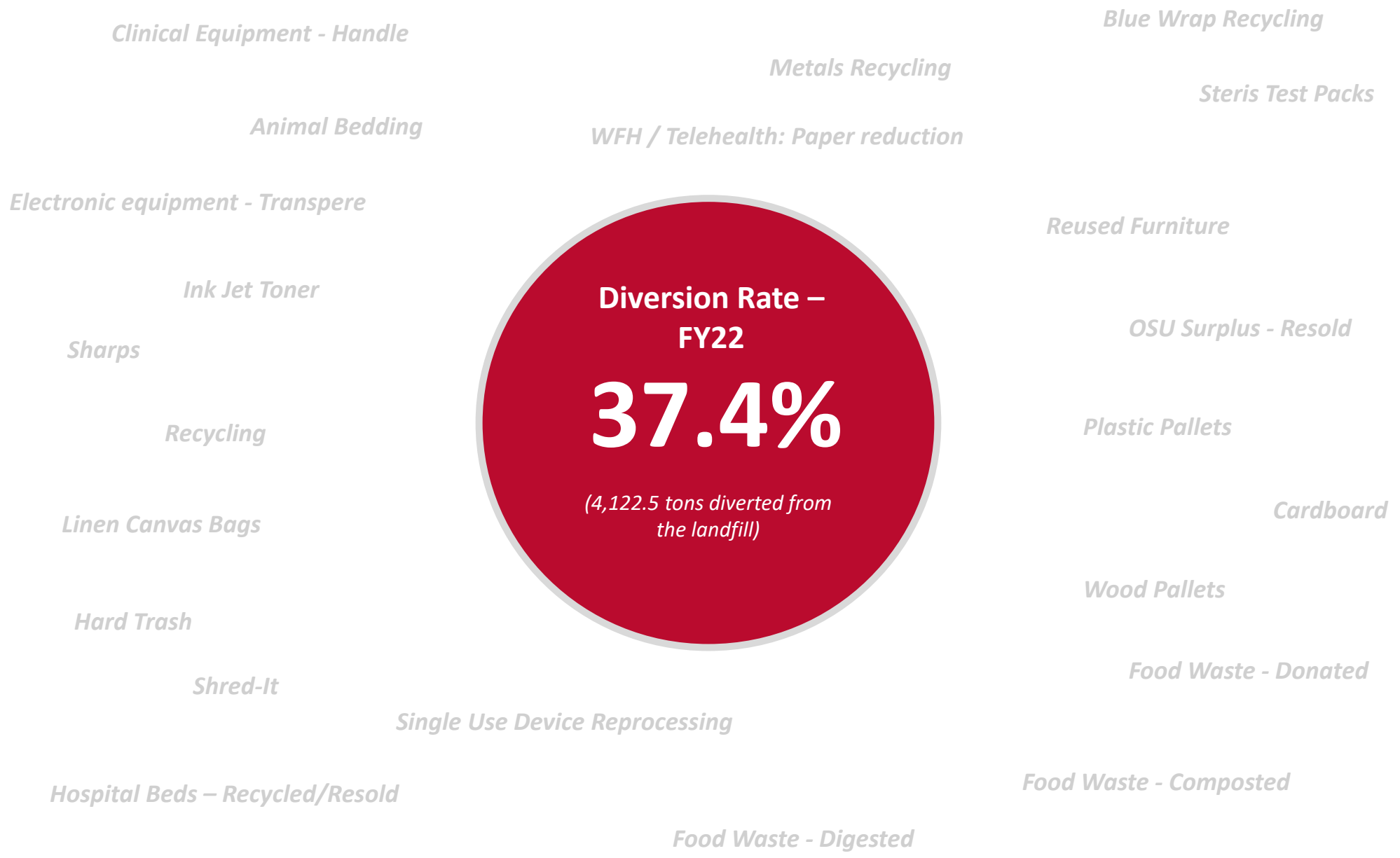
Water



Research & Education

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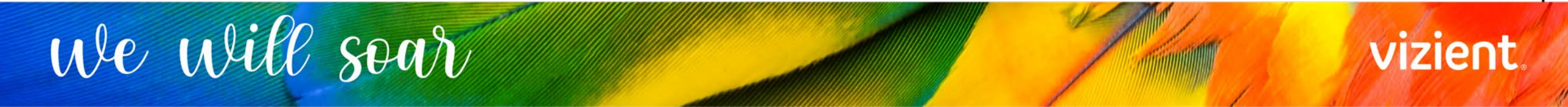
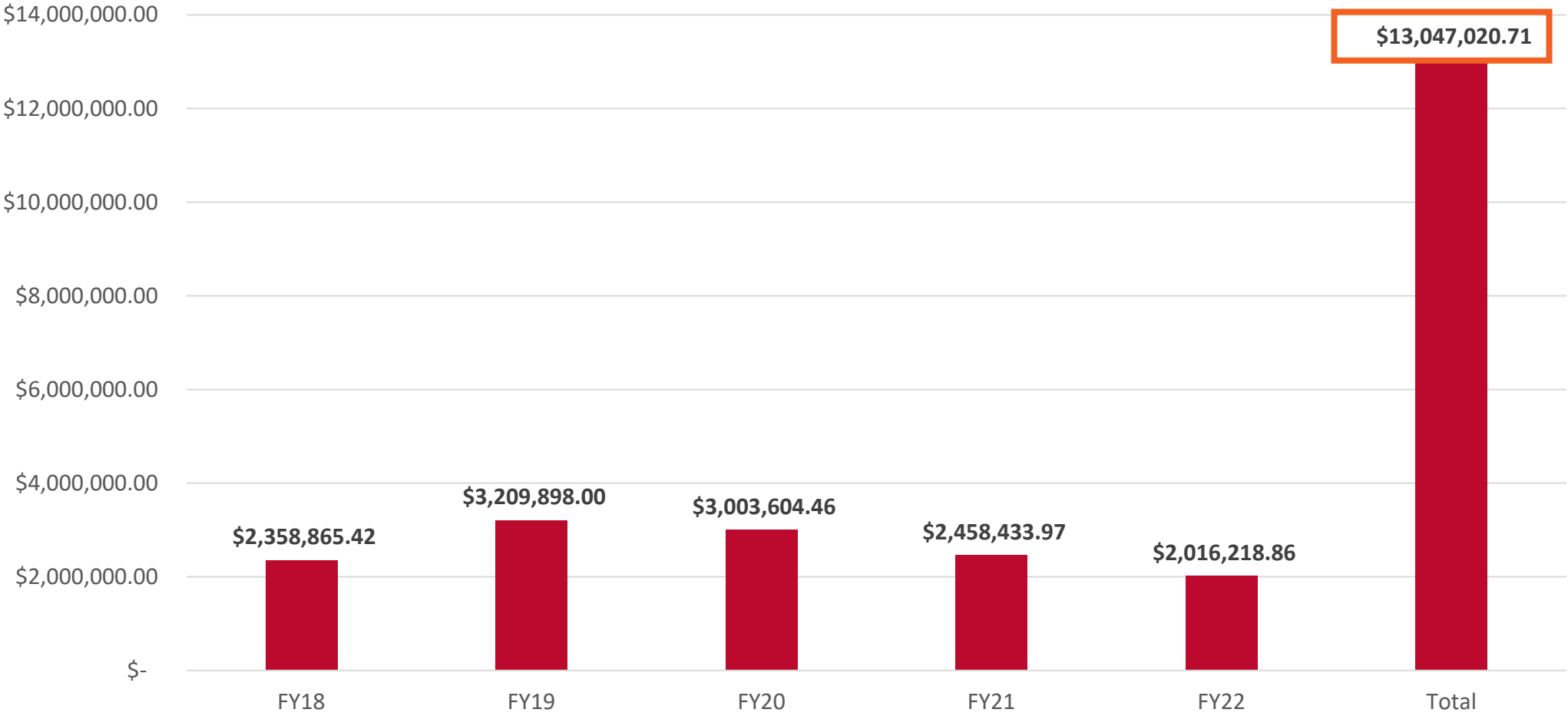
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Sustainability Program Cost Savings





**Shane Dunne, Manager, Sustainability, Memorial Sloan
Kettering Cancer Center, New York, NY**

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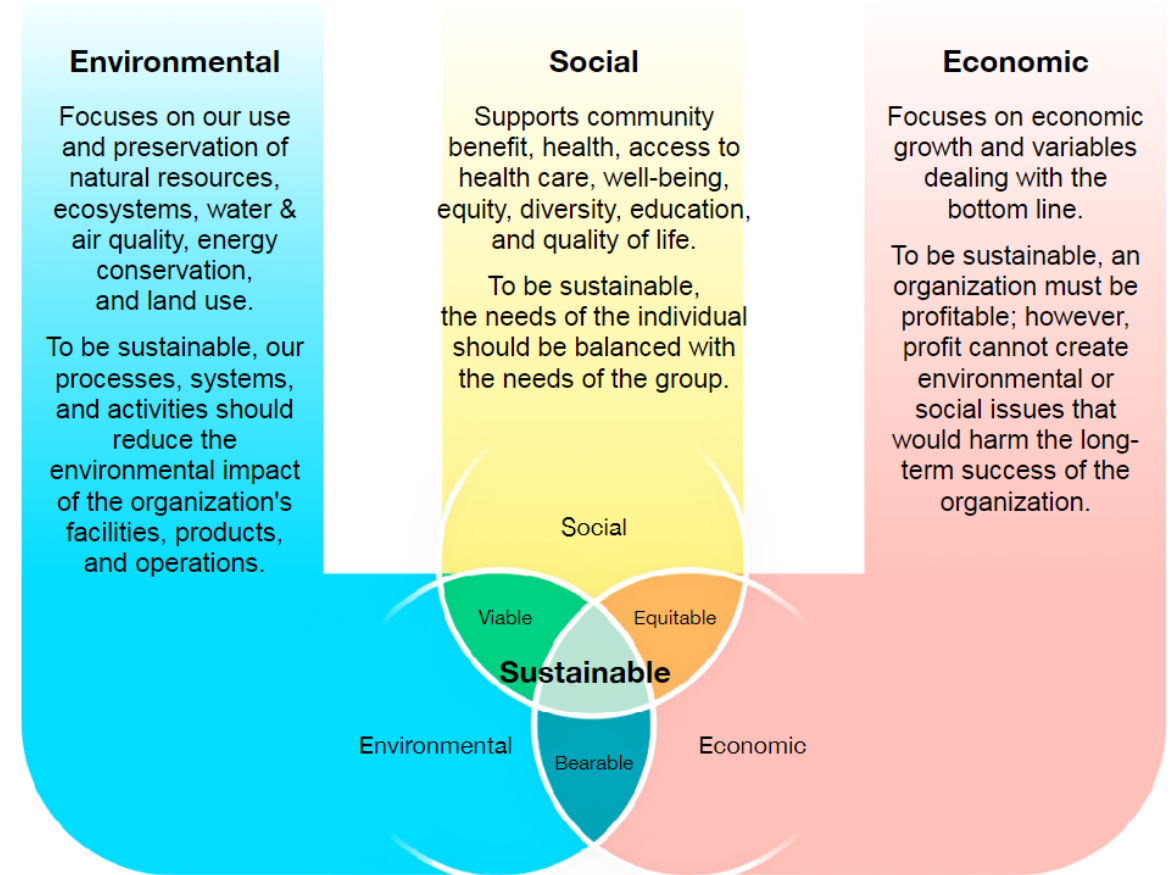
A Commitment to Sustainability at MSK

Sustainability Objective Statement:

To lead and innovate sustainable practices with an environmental, social, and economic benefit for our patients, staff, and community in support of MSK's mission to pursue excellence in the care and cure for cancer.

Sustainability Program Framework:

- Organizational Culture
- Climate Action & Resilience
- Energy Efficiency
- Water Reduction
- Waste Management/Reduction
- Sustainable Sourcing
- Green Building
- Food & Nutrition
- Stakeholder/Staff Engagement



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By the Numbers



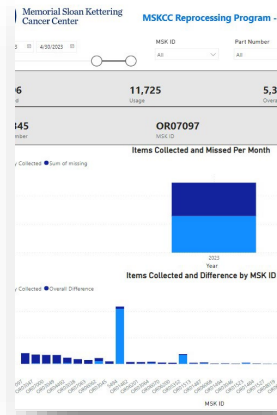
**\$12.5
million**

**Cost
Savings /
Avoidance
Annually**



500+

**MSK Staff
Members
Involved**



95+

**KPI's and
Metrics
Tracked /
Monitored**



5

**Internal
Committees
Managed**



100+

**Reports
Obtained /
Reviewed
Annually**

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2023 MSK Sustainability Goals



Energy Efficiency
Reduce 60% for NYC by 2025 and 75% by 2030 (from 2007) and 10% EUI for regional facilities by 2027



Recycle Waste
> 22.5% of total
Regulated Medical Waste
Max 6.25% of total
Increase data accuracy / visibility and targeted trainings



Green Building
Minimum LEED Silver or Gold Certification for all new MSK-owned buildings and major renovations



Sustainable Sourcing
Sustainable sourcing standards into MSK Supplier Relationship Management and RFX / go-to-market processes



Paper
Reduce total paper YOY 2018-2030) d
Reduce 75% (from 2008 baseline)
Leverage MSK's digital transformation within DigITs



Food & Nutrition
Spend 22% on sustainably certified or local sources
Reduce GHG 25% (from 2018-2030)



Sustainability Task Forces/ Staff Engagement
At least 1 task force at facilities > 50,000 sq ft.
Implement facility specific Sustainability Work Plan at additional sites



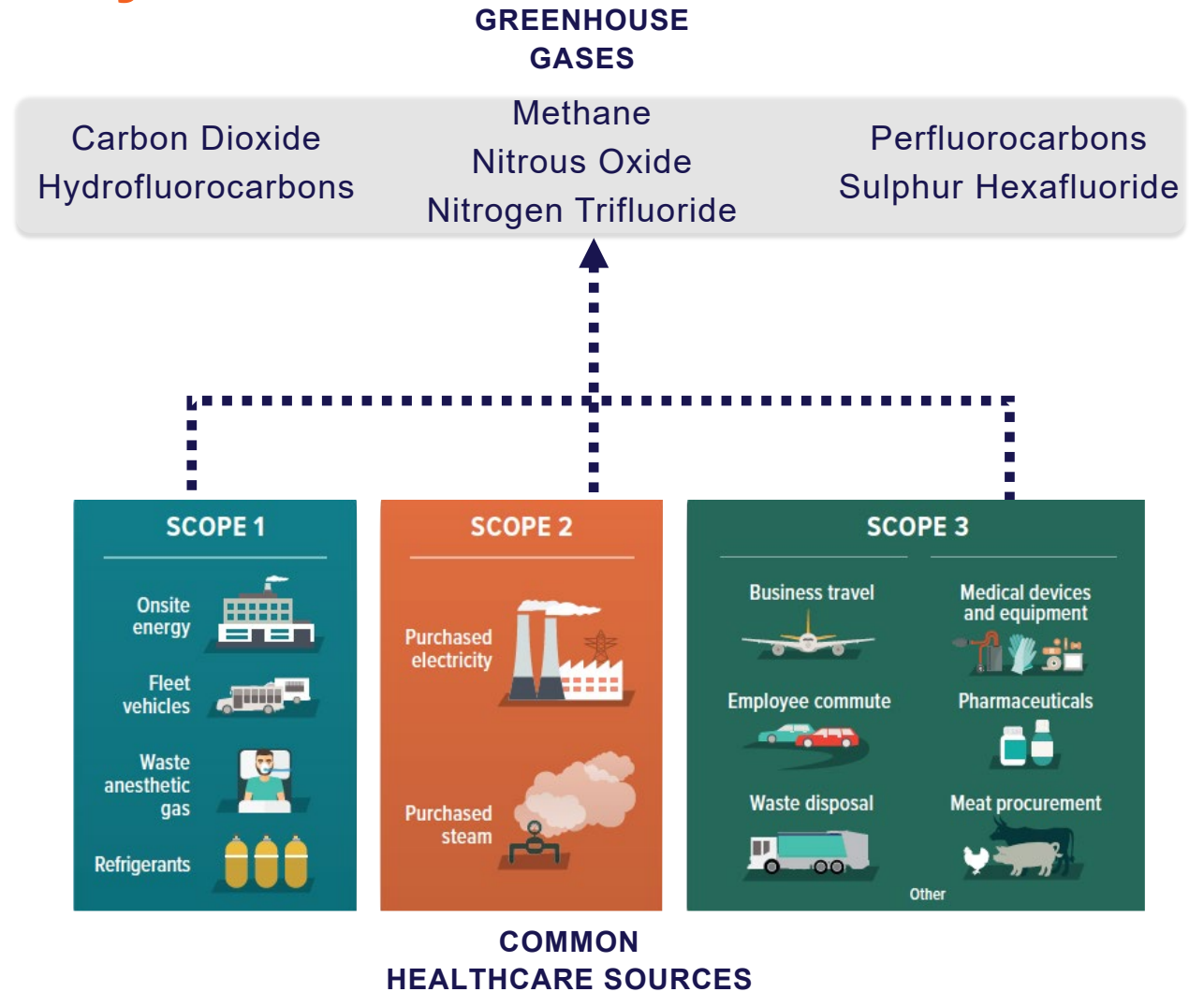
Green Labs/ Greening the OR
Promote and increase staff participation in key GOR and Green Labs programs

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MSK Climate Action and Resiliency Goals

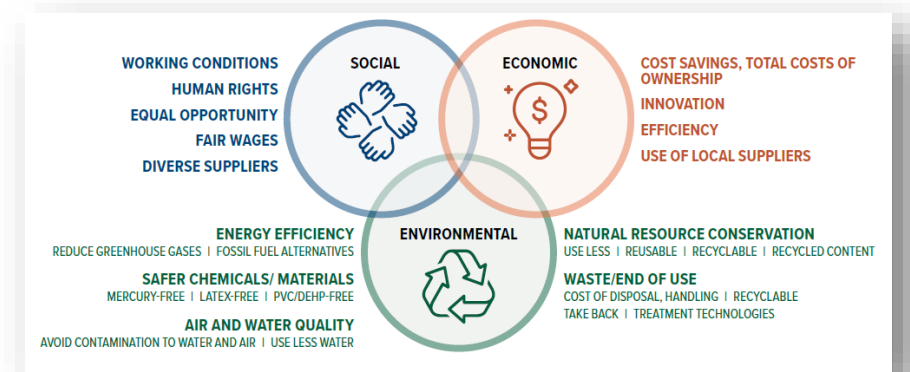
- Reduce organizational Scope 1 and Scope 2 emissions by 50% by 2030 and chart a roadmap to achieve net-zero by 2050
- Designate an executive-level lead for work on reducing GHG's by end of 2023 and conduct an inventory of Scope 3 (supply chain) emissions by end of 2024
- Develop a risk assessment and climate resilience plan for continuous operations by the end of 2024



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Sustainability Strategic Plan Example: Sustainable Procurement



MSK Sustainability Program Framework:

Organizational Culture
 Climate Action & Resilience
 Energy Efficiency
 Water Reduction
 Waste Management/Reduction
Sustainable Procurement
 Green Building
 Food & Nutrition
 Stakeholder/Staff Engagement
 Communications

MSK's Strategic Vision

- ❑ Integrate sustainable practices into sourcing processes to look at products that avoid chemicals of concern, improve energy and water efficiency, reduce climate impacts, optimize waste minimization, and reduce total cost of ownership
- ❑ Align with Supply Chain/Sourcing and other purchasing parties to ensure sustainability best practices are utilized in the supplier relationship management and product selection process
- ❑ Collaborate with the industry (e.g., GPO, peer organizations, suppliers) to advance the availability of sustainable products, packaging, and services
- ❑ Inventory MSK's (Scope 3) Greenhouse Gas emissions

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Terry Duffina, MBA, BEP, SFP, Director, Sustainability Program Office, Stanford Health Care, Palo Alto, Calif.

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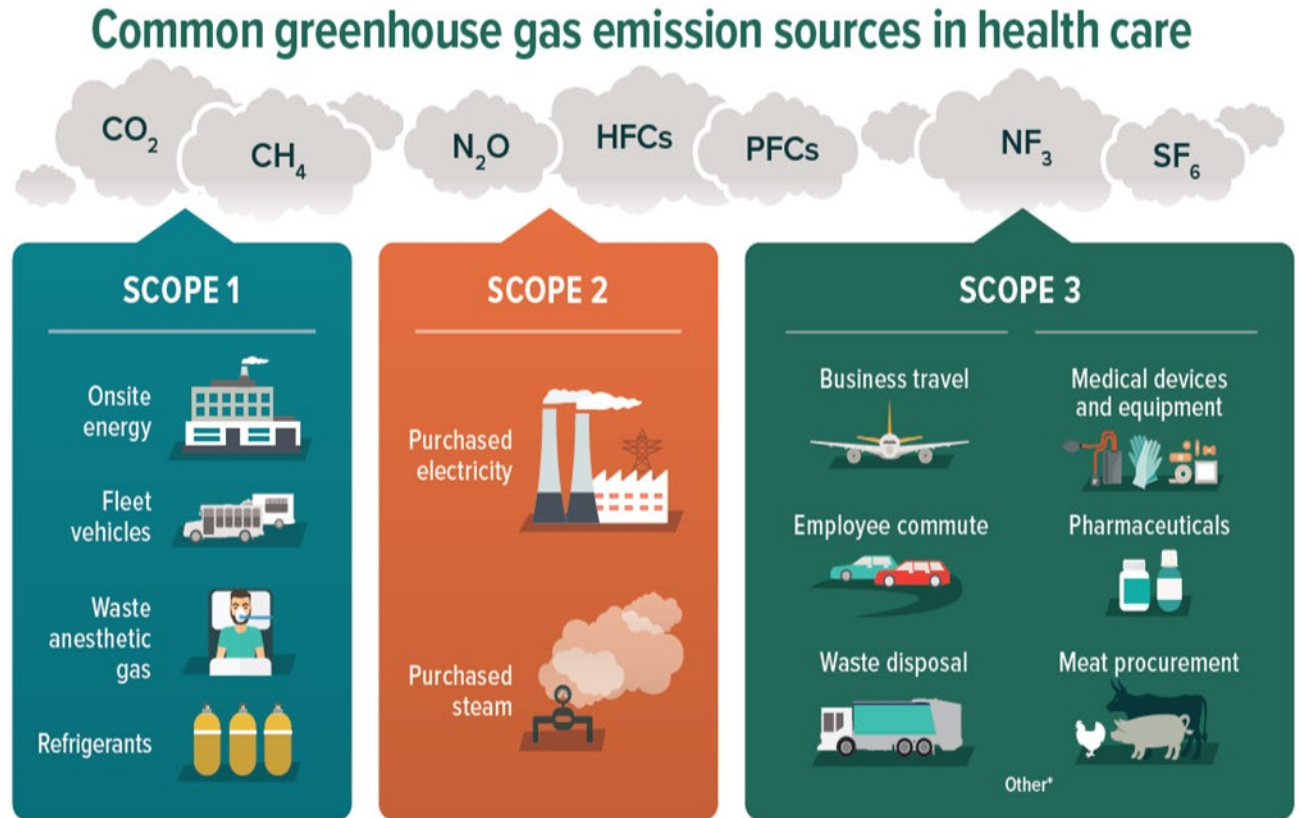
What is Scope 3?

A complete greenhouse gas inventory measures emissions across 3 scopes.

Scope 1: direct emissions from sources owned or controlled by SHC.

Scope 2: indirect emissions from purchased energy.

Scope 3: indirect emissions that occur due to SHC's activities, but they occur from sources not owned or controlled by SHC.

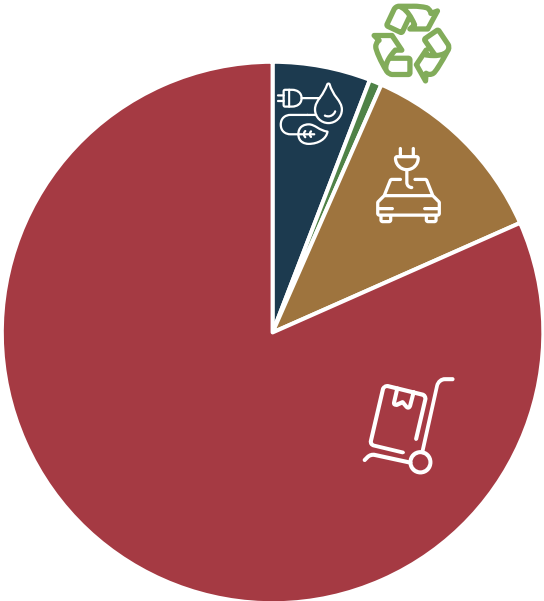


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2021 Emissions

SHC emits 375,106 metric tons of CO2 equivalent/year

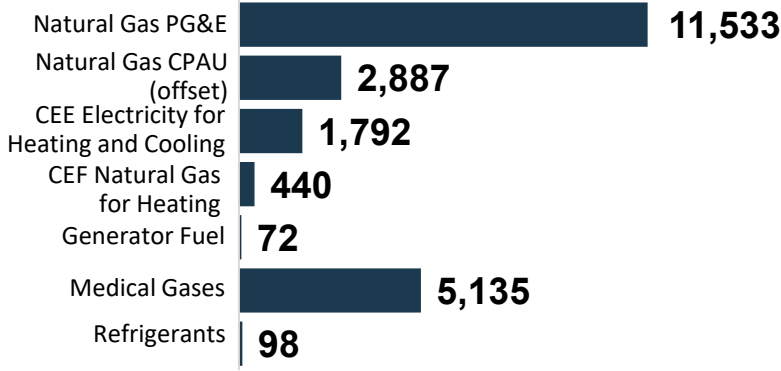


Source: Stanford Health Care

Energy, Emissions & Water

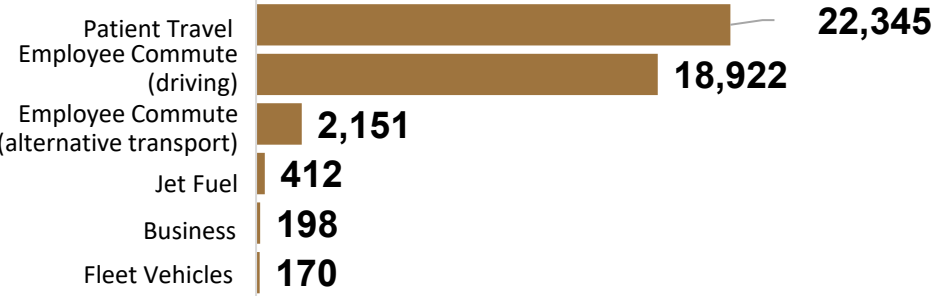
21,957 tons CO2e

Electricity sourced from the City of Palo Alto Utilities is 100% carbon-neutral. If not, SHC total GHG emissions would be 5% greater.



Transportation

44,199 tons CO2e



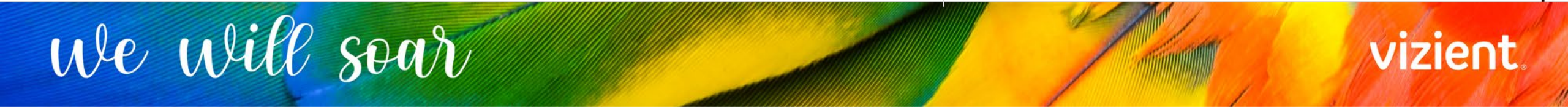
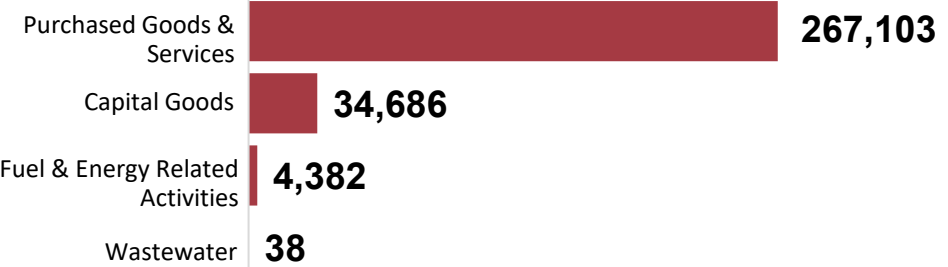
Zero Waste

2,741 tons CO2e



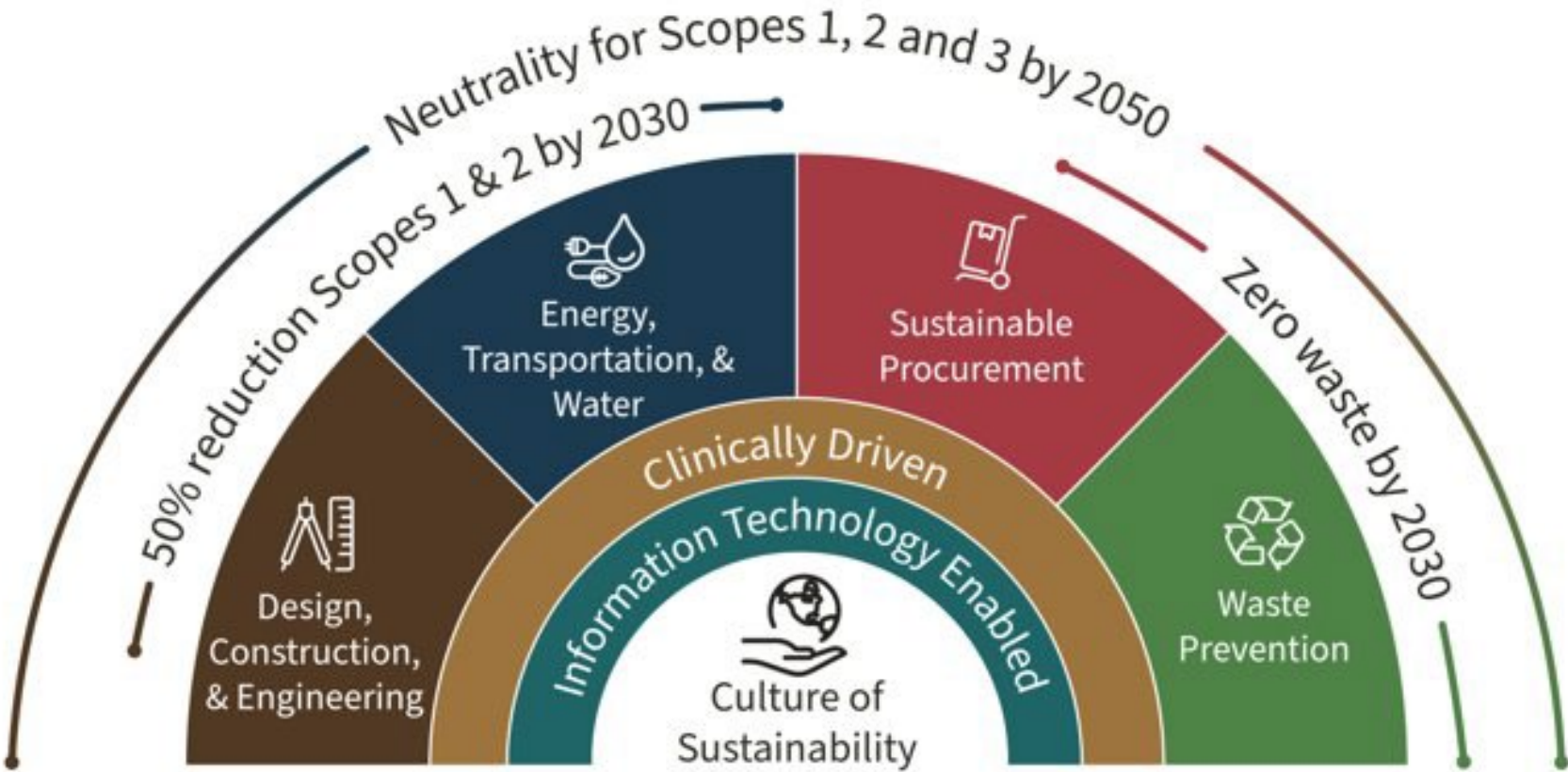
Procurement & Misc. Scope 3

306,209 tons CO2e



Stanford Health Care

Sustainability Framework



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Environmental, Social, and Governance (ESG)

ESG is a “scoring” of an organization on a series of metrics. There are investors (and bond issuance) directly focused in the ESG arena.



- A framework for risk evaluation based on environmental, social and governance practices. ESG metrics are quantitative, long term, and can be subject to public disclosure.
- High ESG scores correlate with high returns and low risk, which make such organizations attractive to investors.
- ESG scores also function as management tools, allowing business leaders to better understand the performance of their organization.
- Multiple organizations publish voluntary frameworks and standards for ESG reporting and disclosure.
- **Sustainability Accounting Standards Board (SASB)** and **Task Force on Climate Related Financial Disclosures (TCFD)** are standards and frameworks focused on investors.

Key Steps:



Conduct Materiality Assessment



Assess Current State & Establish Baseline



Set Objectives & Goals



Analyze Gaps to Achieving Goals



Develop Strategic ESG Roadmap



Set Action Plans & Measure KPIs



Disclose & Report Progress

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Sustainable Procurement Policy

Sustainability Principles



Reduce Greenhouse Gas Emissions



Incorporate Healthy Materials



Design for a Circular Economy



Promote Energy and Water Efficiency

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Dean Lloyd Minor

'As part of our mission to improve global human health, Stanford Medicine's health care delivery system is also committed to sustaining the health of our planet'

David Entwistle

'Addressing the impact of climate change is the most important step we can take to ensure the health of future generations'

Paul King

'Healthy People need a Healthy Planet: The link between climate and health is increasingly clear, and our organization is committed to reducing our own impact on climate and helping our community to prepare for climate impacts.'



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Aparna Dial, MS, MBA,
LEED AP, Senior Director,
Sustainability and
Facilities Management,
The Ohio State University
Wexner Medical Center



Terry Duffina, MBA, BEP,
SFP, Director,
Sustainability Program
Office, Stanford
Health Care



Shane Dunne, Manager,
Sustainability, Memorial
Sloan Kettering
Cancer Center



Cristina Indiveri, MS,
AVP, Core Tenet
Programs, Environmental
Sustainability, Vizient

Lessons Learned

- Climate change and human health impacts are material for **every** organization within health care.
- No one is in this alone. Leverage industry networks and resources. Seek out mentors and advisors.
- We can't do this without you. Every health care organization needs to make this a priority, or it will only have pockets of success.
- Specifically, the value chain needs to be addressed as a priority. Suppliers, providers and GPOs need to build efficient systems **together** to advance progress.
- The time to get started, if you have not already, is **now**.

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Key Takeaways



Accelerate Total Value through Environmental Sustainability

Sustainability is a strategic, fiscally responsible imperative which improves risk mitigation, resiliency, efficiency, human health and safety.



Industry Alignment is Essential

Leverage industry networks, resources, tools and partners.



Improve Sustainability Performance Through Abundant Opportunities

Environmental sustainability improvements are found across all, and any spend categories.

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Questions



Contact:

Aparna Dial, Aparna.Dial@osumc.edu

Terry Duffina, Tduffina@stanfordhealthcare.org

Shane Dunne, DunneS@mskcc.org

Cristina Indiveri, Cristina.Indiveri@vizientinc.com

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