

# Healthcare System and Scope 3 Emissions Reduction Ezinne Osisiogu

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### Introduction

successfully mitigate Scope 3 To emissions, it is imperative to gain a comprehensive understanding of their

### Methods

A comprehensive literature review was conducted with the primary objectives of identifying historical

### Results

On a global scale, healthcare systems are responsible for over 4% of total emissions. CO2 In numerous



# Conclusions

#### Recommendation

Communication and Collaboration

origins implement precise and Scope 3 methods. measurement Greenhouse emissions encompass Gas (GHG) emissions that do not stem organization's directly from an operations or activities involving its own assets.

The Alberta health sector faces the critical challenge of engaging its value chain suppliers in the ambitious objective of reducing Scope 3 emissions. My research is dedicated to crafting practical strategies that will enable the Alberta Health Services (AHS) to effectively align its suppliers with this sustainability goal.

CFCs

PFCs

examining references and contemporary practices related to Scope 3 emissions reporting.



Virtual interviews were conducted with five (5) healthcare industry experts.

The qualitative analysis entailed the utilization of template-based methods and coding techniques to meticulously scrutinize and derive insights from the interview data.

developed nations, this figure rises to approximately 10%, surpassing the emissions generated by the aviation and shipping sectors combined.



Incentives and Rewards

- Supply Chain Assessment
- Share Best Practices
- Certifications and Standards
- Innovation and Technology

### **Future Research**

This

Autonomy

chain.

A research on lifecycle study of the products purchased and used within the supply chain

interaction



MAJOR EMISSIONS CH4 N2O SF6 CO2

To tackle the pressing issue of climate change, it is imperative for AHS to address the environmental footprint associated with healthcare services to delivering the population, a crucial aspect of which involves mitigating and reducing Scope 3 emissions

### Interdisciplinary Aspect



Public Health Sustainability



Why the Healthcare Sector should **Report Emissions** 

- **Environmental Responsibility**
- Regulatory Compliance

Challenges

Data Collection

Boundary Setting

• Public Health and Safety

the manufacture, transportation, utilization, and disposal of goods and services that are essential to the industry's operations.

encompasses various stages, such as

supply

intricate



The between environmental performance, social responsibility, and governance can also be studied further, and a model based on ESG can be developed to assess the performance of the green supply chain.

### Bibliography

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