**Introduction**

To successfully mitigate Scope 3 emissions, it is imperative to gain a comprehensive understanding of their origins and implement precise measurement methods. Scope 3 emissions encompass Greenhouse Gas (GHG) emissions that do not stem directly from an organization's 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.

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

**Methods**

- A comprehensive literature review was conducted with the primary objectives of identifying historical references and examining contemporary practices related to Scope 3 emissions reporting.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.

**Results**

On a global scale, healthcare systems are responsible for over 4% of total CO2 emissions. In numerous developed nations, this figure rises to approximately 10%, surpassing the emissions generated by the aviation and shipping sectors combined.

Scope 3 emissions, responsible for a significant 71% of the healthcare industry's total emissions, predominantly stem from the sector's intricate supply chain. This encompasses various stages, such as the manufacture, transportation, utilization, and disposal of goods and services that are essential to the industry's operations.

**Conclusions**

**Recommendation**

- Communication and Collaboration
- Incentives and Rewards
- Supply Chain Assessment
- Share Best Practices
- Certifications and Standards
- Innovation and Technology

**Future Research**

- A research on lifecycle study of the products purchased and used within the supply chain
- The interaction 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.

**Literature Review**

Why the Healthcare Sector should Report Emissions
- Environmental Responsibility
- Regulatory Compliance
- Public Health and Safety Challenges
- Data Collection
- Boundary Setting
- Scope and Categorization
- Data Accuracy and Completeness
- Reporting Frequency

**Thematic Analysis**

- Lack of Knowledge
- Cost
- Barriers to Reporting
- Autonomy
- Common Theme

**Bibliography**