

# SCAN Health: Supply Chain Advancement Network in Health

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**SCANH**  
Supply Chain Advancement  
Network in Health

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# What is SCAN Health?

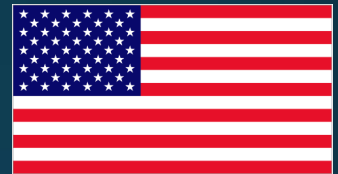
An International Knowledge Translation Platform (NCE-IKTP) funded to accelerate and advance supply chain infrastructure in global health systems. SCAN Health disseminates knowledge, and builds leadership capacity in health system supply chain by doing the following:

**Design Competitions**: brings solution provider expertise and supply chain innovation to solve global health system challenges.

**Business Case Competitions** build knowledge among future leaders emerging from global business schools to better understand the uniqueness of health sector supply chain challenges.

**Supply Chain Maturity Scale (H-SIMM)**: A Self assessment tool that health organizations can measure their progress towards transforming supply chain infrastructure to advance quality and safety in global health systems.

**Knowledge Exchange Platform**: global knowledge repository of supply chain tools, best practices, winning designs, awarded business cases.





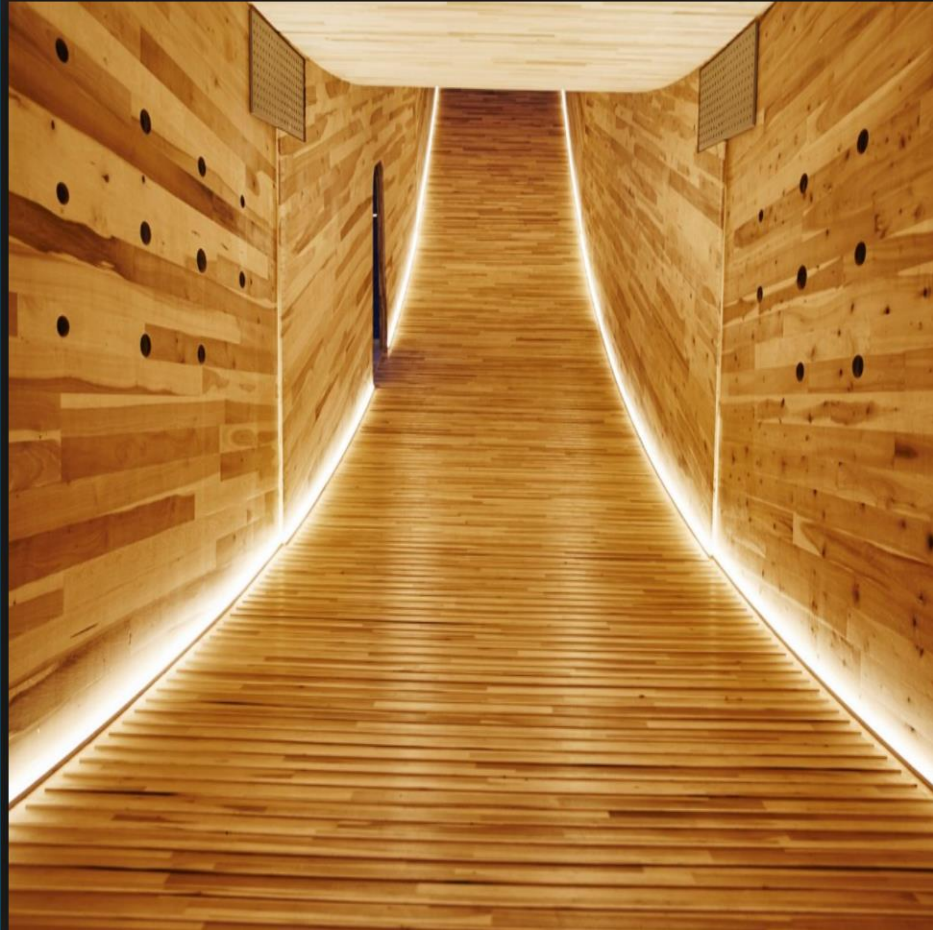
# Why Supply Chain Infrastructure Needed in Health Systems?

Medical Error is now the 3<sup>rd</sup> leading cause of death in North America

- \* **23,000** Canadians deaths annually due to preventable error in hospitals, **63** Canadian deaths every day (Baker, 2004,2014)
- \* **251,454** deaths annually in the USA.....**688** Americans every day (Makary, 2016)
- \* Rate of Error in community is double (**13.5%**) that of hospitals (CPSI, 2016)

Health System Costs globally are unsustainable, exceeding GDP growth in all OECD countries, supply chain reduces supplies cost and labour costs, up to 7:1 return on investment

Supply Chain Infrastructure tracks and traces every patient, every care process, all products used during care to ensure only the safest products are used, and risk of error is identified proactively so clinicians can ensure safest care possible.



## Maturity Tool Features

- Captures the progress and impact of the maturity of supply chain emerges across health systems
- Strategic partnership with HIMSS, global network of health system organizations, 73,000 worldwide
- **Evidence Based:** designed and informed by critical analysis of literature and empirical cases documenting supply chain impact and outcomes in 3 countries.
- Maturity Tool creates a strategic map of the key milestones of supply chain infrastructure to guide implementation, to document progress and impact
- Creates a global database of progress and impact of supply chain infrastructure to support dissemination of lessons learned, build collaboration across borders
- Informs Leadership Strategy: Supply chain is a strategic asset for health systems to advance quality, safety and fiscal sustainability



# Design of H-SIMM



# VALUE and IMPACT | H-SIMM

## 1. INVENTORY OPTIMIZATION

Significant Cost savings  
(4:1---- 8:1), self  
funding potential

## 2. PRODUCT TRACEABILITY

enables faster recall, accurate  
case costing, safety surveillance  
to ensure products are safe

## 3. INTEGRATION OF CLINICAL CARE FOR PATIENTS

Informs clinician practice and  
standardization of care that  
offers greatest Quality and Value



## 4. REAL WORLD EVIDENCE OF VALUE AND OUTCOMES

Visibility of care processes and  
products across Journey of Care  
linked to outcomes.

## 5. CAPTURES SYSTEM VALUE

Predictive Analytics enable  
proactive Intervention, evidence  
of best outcomes at lowest cost.

## 6. PERFORMANCE, SUSTAINABILITY, PERSONALIZATION

Creates real world evidence of value for  
population segments to inform precision  
medicine, personalization, system  
sustainability



- Validation and Testing with Global Health Systems - USA, Denmark, Canada, UK
- Launch with Beta site health systems
- Partner with HIMSS and Partner network on data infrastructure tools to measure value and impact of supply chain infrastructure
- AI-Enabled Supercluster Collaboration: Artificial intelligence predictive analytics to proactively inform patient care, measure impact, inform strategic implementation of supply chain infrastructure.
- Canadian Company market growth
- Canadian leadership in AI-enabled Supply Chain



## Next Steps



# Thank You

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