



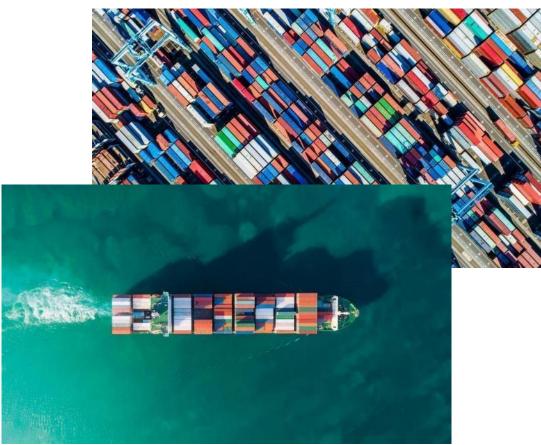
E-LOGISTICS IN RELATION TO THE PERFORMANCE OF HEALTHCARE SUPPLY CHAIN MANAGEMENT

INAS AL KHATIB







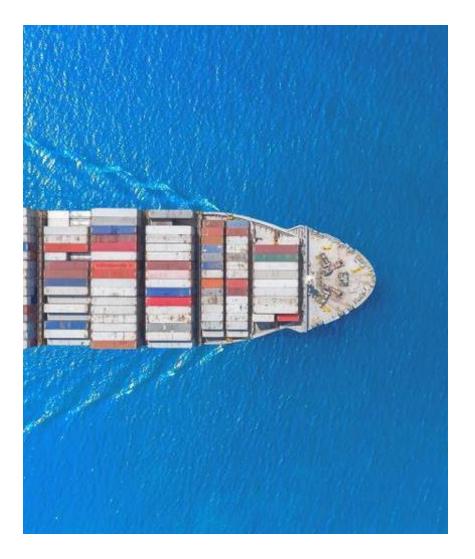


Agenda

- An Overview
- Role of Healthcare SCM
- SCM Technologies that shape the Future of Healthcare
- How e-logistics in improving SCM efficiency







"The potential to save patients' lives is contingent on an efficient healthcare supply chain, using technology is a significant step towards enhancing efficiency"





US\$ 2.2Billion

Worldwide Healthcare Supply Chain Market in 2020



US\$3.3Billion

The market is expected to reach US\$3.3 billion by 2025



Source: AWL India





Hospitals have not fully embraced technology in supply chain

management

Source: AWL India

Healthcare supply chain is to identify departmental weaknesses and provide strategies to reduce them

Supply chain costs is the highest for hospitals and healthcare

Hospitals are

restructuring

their SCM in

order to be more

efficient and

cost-effective in

operations and

find

development

opportunities

Automating and

standardizing

hospital supply

chain activities

through the use

of technology

saves \$11M per

hospital





ROLE OF HEALTHCARE SCM





Role of SCM in Healthcare Industry

- The technique of purchasing and distributing medical products and services as they are delivered from the loading port to the patient
- It is the management of upstream and downstream linkages between suppliers and consumers to give more customer value at less cost to the supply chain as a whole
- The main challenges in healthcare supply chain are hoarding of goods, a desire for specific products that are in stock, product expirations, out-of-stock issues that may result in high delivery costs, theft and an unjustified increase in inventory costs based on demand

Source: AWL India



SCM TECHNOLOGIES THAT SHAPE THE FUTURE OF HEALTHCARE

GROWTH



SCM Cutting-edge Technologies



Used in Healthcare SCM to use statistical data and manage the supply chain in hospitals and elsewhere by lowering variation while also learning more about demand trends and supply usage	The usage of IoT capable devices outfitted with hospital supply chain software and RDIF (Radio Frequency Identification) tracking systems may prove to be cost effective and time- saving	The use of RPA system eliminates labor-intensive, repetitive, and manual procedures in the healthcare supply chain. Reduces the time and money spent on supply chain and eliminates the possibility of human mistakes later on. Modernizing warehouses with RPA-enabled devices increases revenue and productivity	E-logistics digitalizes supply chains, enhances customer experience, optimizes operation, leads to personalized services, efficient inventory management, and seamless multi-channel fulfillment
AI Predictive Analysis	RFID Tracking	RPA Systems	E-logistics
			Source: AWL India



How e-logistics is improving SCM efficiency

GROWTH





AI and Blockchain reshapes e-logistics as Healthcare organizations can navigate the challenges such as cybersecurity to unlock the full potential of e-logistics The integration of real-time data into e-logistics transforms supply chain management. Leveraging up-to-the-minute information, supply chain leaders can accurately forecast demand and optimize inventory levels, striking a delicate balance between excess inventory and stockouts. This enables Healthcare procurement leaders to demonstrate a proven track record of demand prediction and prudent inventory utilization when engaging in negotiations and suppliers, leading to more favorable terms

AI and Blockchain

Efficient Inventory Management





E-logistics equips supply chain leaders in Healthcare with the tools required to expand their businesses across international borders. Collaboration with International carriers and customs experts becomes a strategic imperative for them to facilitate seamless cross-border ecommerce operations. By forging partnerships that establish a cohesive global supply chain, procurement leaders can capitalize on the opportunities presented by a broader customer base and optimize international operations of healthcare facilities. E-logistics systems facilitate transparency by providing real-time tracking updates spanning from dispatch to final delivery. Supply chain leaders in healthcare benefit from minimized disputes, more operational efficiency, and improved customer relationships.

Procurement leaders in Healthcare can leverage this feature during negotiations with logistics partners, positioning it as a fundamental requirement within the modern landscape of supply chain operations.

Facilitates International Expansion

Enhances Transparency

Source: GEP



THANK YOU Q&A



16th Global Supply Chain & Logistics Summit