

Analytics for Healthcare Supply Chain

Course Overview

This program provides an in-depth appreciation on the application of big data in healthcare supply chain. Upon completion of this program, participants will learn how to use descriptive, diagnostic, predictive and prescriptive analytics to uncover insights in the Healthcare Supply Chain Environment. Participants will gain an understanding of the future opportunities of integrating AI and analytics in healthcare services and the positive impact it will have on healthcare operations.

Level: Basic

Who Should Attend

Professionals, managers, and executives (PMEs) who are considering to enter the healthcare industry as well as Healthcare professionals who aspire to move into a management role.

Topics

1. What is Artificial Intelligence, Business Intelligence and Big Data in Hospitals?
2. Applications of Business Intelligence in Hospitals
3. Best practices for analyzing healthcare data
4. Key challenges in hospital SCM
5. Application of big data for fact-based decision making during:
 - a. Value Analysis
 - b. Sourcing and Procurement
 - c. ERP Implementation
 - d. Process Improvement
 - e. Inventory Management
6. How to establish effective analytics and align to business goals
7. Application of AI for demand driven material requirements planning
8. Practicum – Designing a supply chain data analytics dashboard

Schedule

Time	Agenda
08:30 – 08:45	Introduction to Healthcare Operations Management
08:45 – 09:00	Introduction to Healthcare Supply Chain
09:00 – 09:15	Understanding the insights of Healthcare Supply Chain
09:15 – 09:45	Application of AI, BI and Business Applications in Hospitals
09:45 – 10:15	Application of big data and AI in Healthcare Supply Chain
10:15 – 10:30	Tea Break

10:30 – 11:30	Using data analytics to address Supply Chain challenges
11:30 – 12:00	Business continuity in Healthcare Supply Chain
12:00 – 13:00	Lunch Break
13:00 – 14:00	Requirements of Supply Chain analytics dashboard
14:00 – 15:00	Group breakout session to build an analytics dashboard
15:00 – 16:30	Group presentation on the dashboard
16:30 – 17:00	Group assessment and debrief

Course Mode: Online Course Via Zoom

Assessment

Case studies to provide solutions to a set of problems as discussed in the topics above.
*Participants are required to achieve at least 75% attendance and pass any prescribed assessments under the course requirement.

Fees & Funding

Full Fees (Inclusive of 7% GST):	S\$909.50
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Application Procedures

Please email to Mr Dionysius Soh, dionsoh@hmi.com.sg for registration & enquiries.