

Professional Development

Healthcare Logistics: Disease and Disaster Pandemic Planning

Course Code: PD601

The Pandemic Influenza Logistics Simulator (PILS) demonstrates the need to plan, create and operate a coordinated command and control system for managing resources in the dynamic, uncertain, highly constrained supply chain that supports the health care system during a pandemic. As the game plays out, local decisions inevitably produce chaotic system behavior and the supply chain systems fail. In subsequent play, visibility of total system demand combined with information sharing reduces inventories while increasing fill rates at the hospitals. The teams are measured across key performance metrics including customer service level, cost and profitability.

Learning Objectives

- Understand supply chain dynamics
- Identify critical resources required to maintain operations during a pandemic
- Design and operate a coordinated healthcare supply chain command and control system
- Forecast demand, set inventory levels and manage distribution and logistics across a multi-echelon healthcare supply chain
- Collaborate and reengineer processes to speed response for maximum prophylactic effect while minimizing costs
- Determine the potential financial and operational impact of an influenza pandemic

Topics & Content

- Laws of Supply Chain Physics
- The Five Principles of Supply Chain Design and Operation
- Application of these laws and principles to the healthcare supply chain
- The Pandemic Influenza Logistics Simulator (PILS) - a healthcare supply chain game
- Lessons: the value of collaboration, flexibility, lean logistics and rapid response

Course Information

Duration

1 day

Audience

This course is designed for personnel in the private or public workforce that wish to improve their supply chain knowledge and skills.

Accreditations

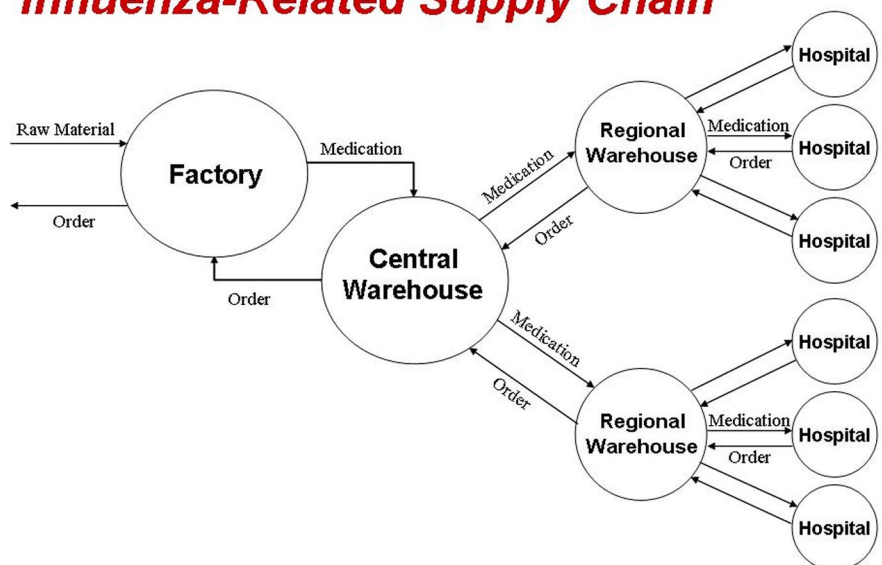
PMI: 7 PDUs

NASBA: 8 CPEs

OPM: 7 CLPs

OPM Competency: Customer Service

A Hypothetical Pandemic Influenza-Related Supply Chain



“Nobody said it would be easy, but attendees think it’s one of the most rewarding professional education experiences they have had.”