

Best Practices in Supply Chain



BREAKOUT SESSION

Theme

**SUPPLY CHAIN ISSUES IN
PHARMACEUTICALS**

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Supply Chain Best Practices

- Demand driven
- Inventory Management
- Cost reduction
- Safety and security
- Cold chain Management
- Improve supplier performance
- Logistic Management
- Maximize Inventory yield
- Utilize meaningful metrics (time to value and return)
- Segment the supply chain
- Employ supply chain Technology
- Customer adherence and customer service

SUPPLY CHAIN CURRENT STATUS

Current Supply chain system costs 25% of product cost which is 15% higher than global best in class that may be due to -

- Lack of inventory tracking
- Lack of forecast
- Lack of customer service
- Lack of communication
- High transportation cost
- Issues with storage

MAJOR ISSUES TO ADDRESS TODAY

- Regulatory requirements with regard to packaging for security and prevention of counterfeits.
- Impact of transportation on quality of the products and means to overcome them.
- e - Pharmacy and challenges related to this emerging business
- Challenges related to cyber security of Cloud system
- Systematic approaches to strengthening human resources for health supply chains
- Extent of surveillance and monitoring to ascertain supply chain quality & integrity
- **SCM Health** - Performance attributes: Reliability, Responsiveness, Agility, Costs, Assets

SUPPLY CHAIN CHALLENGES

- Quality and Regulatory issues
- Product proliferation
- Supply chain fragmentation
- Infrastructure gaps
- Organizational Change Management
- Human resource dependency
- Adoption of green supply chain
- Ability to access and use Data
- Cross-Functional Alignment
- Lack of Coordination

SUPPLY CHAIN CHALLENGES

- Inventory management
- Absent demand information
- Order management
- Shortage avoidance
- Expiration
- Warehouse management
- Temperature control
- Shipment visibility

SUPPLY CHAIN TECHNOLOGY TRENDS

- Customer Centric investments
- Big Data Analytics
- Cyber security
- Going to the cloud
- Internet of Things (IoT)
- Digital Transformation
- Autonomous Supply Chain

SUPPLY CHAIN NEED

- Improving Forecast Accuracy
- Data Cleaning and System Integration
- Determine the Metrics that Matter
- Emerging technology
- Blockchain platform
- Creativity and Innovative inputs
- Risk Analysis
- Failure Investigation CAPA

ADDRESSING ISSUES

ENSURING ACHIEVING ASSURING

ENSURE

- Consistent Quality of Product
- Safety of Product
- Efficacy of Product
- Availability of Material
- Efficiency of Manufacturing Process
- Meets Regulatory Standards
- Seamless
- An Agile, Responsive and Streamlined SC
- Security of Patient Digital data

ACHIEVE

- Cost Effective Production
- Reduction In Supply Chain Costs
- Efficient Storage
- Prompt Transportation
- Greater Connection With Stakeholders
- Supply Chain Value
- Commercial Goal

ASSURE

- Prompt Availability to the Patient
- Enhanced Drug Distribution Security
- Reliability
- Customer satisfaction

SUPPLY CHAIN PERFORMANCE INDICATORS

- CUSTOMER SERVICE**
- INVENTORY LEVELS**
- SUPPLY CHAIN COSTS**

Supply Chain Excellence Strategies

- **Educate.** All links in supply chain must have a common understanding.
- **Benchmark.** Compare your performance with your competitors.
- **Assessment.** Business, Link Excellence, Visibility, Collaboration, Synthesis, Velocity
- **Prioritize.** Identify specific targets for supply chain enhancements.
- **Weakest Link.** The weakest link in your supply chain will drive performance.
- **Communicate.** Everyone understands what, why, when, who and when.

Supply Chain Excellence Strategies

- **Partnerships.** Partnering with those achieved Link Excellence.
- **Leadership.** Identify the skills required. Assure clarity of roles and responsibilities and cultural compatibility.
- **Core Competencies.** Identify these, focus on them and outsource the rest. Determine the unique business processes that make you successful, then use a robust process to outsource other functions.
- **Continuous Improvement.** Never stop pushing for the next level of excellence

PROCESS EXCELLENCE CULTURE

- All levels of the organisation should be committed to continually improve total value
- Continuous learning and implementation
- Assign and make responsible for improvement
- Leadership helps in driving the business
- Identify, prioritise and sponsor improvement efforts
- Initiate Kaizen for creative and innovative ideas. Apply and rate it with certified belts
- Apply Metrics as performance measure

CURRENT TECHNOLOGY

SUPPLY CHAIN 4.0 (Track & Trace)

1. The IoT platform

2. Cloud Computing

3. Big data analytics

4. Authentication

5. Fraud detection

6. 3D printing

7. Smart sensors

8. Advance Man & Machine interface

9. Augmented Realities & wearables

10. Location Detection Technology

11. Multilevel Customer interaction and profiling

INNOVATIVE PRACTICES

- Supplier Qualification, validation and audit.
- Involvement of the Persons.
- Award and Reward
- Robot picker
- Drone - Bridge inspection and quick deliveries
- Solar powered Warehouse /vessel cooling system
- Delivery inside their home using cloud security
- Blockchain technology to prevent counterfeit
- Timely access to various emerging technologies

BEST FACILITIES

- Ideal location of transportation hub
- Good facility
- Minimum pollution level
- Consistent Power
- Road connectivity
- Approachable Port and Airport
- Ease of loading / unloading
- Disaster preparedness

Discussion and Presentation