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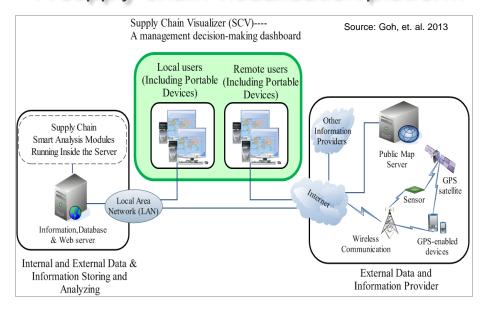
## Healthcare supply chain: Opportunities of cost reduction and quality improvement

- High operating cost in supply chain
- Low visibility of end-to-end performance
- High variation in customer preferences
- Quality and lead-time of data
- Decisions by individual

Manufacturers	Purchasers	Providers
Medical supplies Surgical supplies Pharmaceuticals Medical devices	Wholesalers, Distributors GPOs	Hospitals Clinics Pharmacies IDNs Nursing homes

### Source: Nachtman and Pohl 2009 Operating cost of healthcare supply chain 80% 70% 60% 50% Other 40% ■ Shipping/Receiving 30% ■ Transportation 20% ■ Order Management 10% 0% Inventory Management

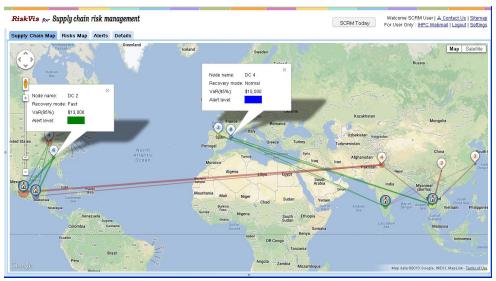
# A supply chain visualisation platform



#### To achieve:

- Increased end-to-end supply chain visibility
- Better information sharing and collaboration
- Shorter response time
- Reduced cost and improved medical care service quality

- Mobile real-time data capturing
- Processes streamline
- Collaboration among practitioners & stakeholders
- Data standards adoption, e.g. GS1
- Vendor management improvement
- Risk analysis and alerts



in Healthcare logistics, University of Arkansas.

Goh, S. M. et, al. (2013) "RiskVis: Supply Chain Visualization with Risk Management and Real-time Monitoring", The 9th annual IEEE nternational Conference on Automation Science and Engineering (IEEE CASE 2013).

