

Beyond DNO: The Changing Landscape of Laboratory Services

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Agenda

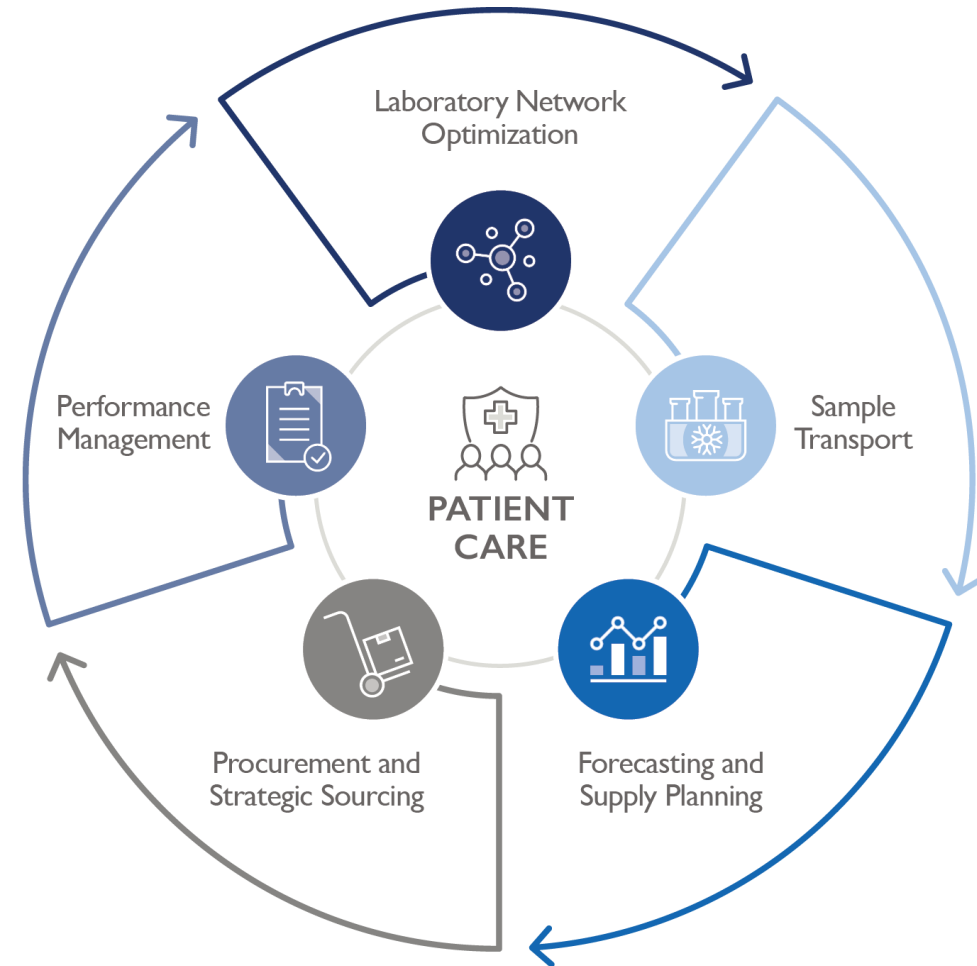
- The Network Approach to Strengthening Laboratory Networks
- The Network Approach Elements
- What is DNO and How Can Outputs Be Applied
- Future Webinars on Remaining Elements

The Network Approach to Strengthening Laboratory Networks

- Aligns instrument capacity with patient demand and diagnostic equipment utilization
- Enables procurement and placement of laboratory equipment through all-inclusive service delivery agreements
- Allows for costed implementation plans to create more efficient transport of patient samples
- Informs laboratory-related decision making at the national level, national laboratory policy, and vendor management of machines and commodities

Network Approach Elements

- Diagnostic network optimization (DNO)
- Sample Transport
- Forecasting and supply planning
- Procurement and strategic sourcing
- Performance management



What is DNO?

- Broad and persistent stakeholder engagement
- Basic GIS mapping of laboratories (capacity), test and sample types, health facilities, and patient numbers (demand)
- Mapping of the current specimen transport network
- Network modeling using epidemiological data and systems capacity analysis
- Development of optimized specimen referral and equipment location scenarios and maps
- Costing and modeling of budget constraints, commodity pricing, operational costs, and cost per kilometer

How Can DNO Outputs be Applied?

- Facilitates country leadership decisions on instrument mix (conventional vs Point of Care) and Multi-plexing
- Enables procurement transition to Service Level Agreements for diagnostic testing needs
- Provides costed implementation plans that can be used by governments and donors to properly support laboratory and sample transport networks
- Develops resiliency by leveraging national testing capacity to reduce result turnaround times and minimize sample backlogs

Future Webinars to Delve in other DNO elements

- GHSC-PSM sponsored webinar series to be launched shortly!
- Sample Transport
- Forecasting and supply planning
- Procurement and strategic sourcing
- Performance management

Scan this QR code to access our new guide:

Beyond Diagnostics Network Optimization: A Network Approach to Strengthening and Scaling Up Laboratory Services



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The USAID Global Health Supply Chain Program-Procurement and Supply Management (GHSC-PSM) project is funded under USAID Contract No. AID-OAA-I-15-0004. GHSC-PSM connects technical solutions and proven commercial processes to promote efficient and cost-effective health supply chains worldwide. Our goal is to ensure uninterrupted supplies of health commodities to save lives and create a healthier future for all. The project purchases and delivers health commodities, offers comprehensive technical assistance to strengthen national supply chain systems, and provides global supply chain leadership. For more information, visit ghsupplychain.org.

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