



Warehouse in Burundi. Photo Credit: GHSC-PSM

Efficient Supply Chains for Better Health Outcomes

We believe that access to safe, effective, quality, and affordable essential medicines and vaccines for all is elemental to ending extreme poverty, building resilient and sustainable local capacity, and creating vibrant markets around the world. From procurement and logistics to systems strengthening, Chemonics and our wholly owned supply chain subsidiary Connexi offer a full spectrum of supply chain services at best value for our clients. Chemonics manages global, regional, and bilateral health supply chain projects such as the flagships USAID Global Health Supply Chain Program-Procurement and Supply Management (GHSC-PSM) project and the USAID Global Health Supply Chain (GHSC) - Technical Assistance (TA) Francophone Task Order (FTO). Whether running an entire supply chain from end-to-end or tailoring components of our platform to meet a specific need, we monitor, evaluate, and optimize our services to provide the right product and service, to the right place, at the right time, and at the lowest sustainable cost.

What We Do

- Through our **data-driven, collaborative, and market-based supply chain management** approach and unique understanding of the local context, we improve our client's operations, optimize performance, and ensure sustainability of our work beyond the life of the project.
- We provide clients with near **real-time data visibility** into their order status and use **advanced analytics** to improve lead times, align supply to consumption, and minimize wastage.
- We develop and scale advanced tools like the **Quantification Analytics Tool** and **OptiDx**, working alongside local stakeholders to ensure we are providing the most efficient and sustainable services.
- We embed **flexibility across our systems, processes, and teams** to respond to crises and emergencies such as COVID-19 and the war against Ukraine.
- Our experts **tailor our global best-in-class processes** to create solutions that deliver value in diverse local contexts, creating resilient and sustainable in-country supply chains.
- We design **tailored network optimizations and procurement tools** to support delivery to more than 60 countries across Africa, Asia, Latin America, and the Caribbean with a sustained on-time delivery rate above 87 percent.

MEASURING OUR IMPACT*



\$4.59B

Health commodities delivered



20.5M

Patient-years of HIV treatment delivered



111M

Couple-years of protection delivered



482.6M

Infections treated by delivered antimalarials

*For GHSC-PSM, as of March 2023

Our Health Supply Chain Services

Chemonics' supply chain platform offers our clients end-to-end procurement and delivery of health commodities, from strategic sourcing to transportation, storage, transit, and distribution to the last mile.

Maximizing Access to Life-Saving Commodities

Our customizable, high-performing, and reliable supply chain management services enable our clients to efficiently connect communities around the globe with the products they need to thrive. We use and promote advanced quantification methods and tools to improve forecasts and provide suppliers and managers with more accurate information to plan their procurements and deliveries to avoid stockouts and product waste and to drive down commodity costs.

Sourcing and Procurement



Our approach to sourcing and procurement relies on evaluating market dynamics for informed decision-making to adjust inventory according to market fluctuations and liaising with key vendors and suppliers of commodities globally and locally. We develop sourcing strategies, build strategic relationships with suppliers that shape markets, enhance project performance, and achieve greater value for our client within each product category. We customize clients' product catalog design and management, manage orders and contracts through our in-house management information system, **Automated Requisition Tracking**

Management Information System

(ARTMIS) which tracks and traces commodities through the global supply chain. Through GHSC-PSM, Chemonics has delivered 34,146 line item orders.

International Freight and Logistics Management



As a fourth-party logistics provider (4PL), we utilize our extensive network of international logistics partners to optimize delivery times, minimize disruptions, and ensure that life-saving commodities reach the customers who need them. Using integrated logistics strategies, we adapt proven commercial methods and tools to optimize supply chain performance. Through GHSC-PSM, Chemonics is

utilizing vendor managed inventory for several health commodities, including male condoms and VMMC kits, to ensure that inventory is available to address urgent needs and guaranteed to be shipped within 8-10 business days. Products move directly from vendor warehouses to any GHSC-PSM and PEPFAR implementing countries, reducing cost to the client and time to deliver important commodities to patients.

Emergency Response



Emergency events like infectious disease outbreaks, natural disasters, and political conflict can have widespread ripple effects, stressing supply chains and putting patients at risk. Our Emergency Supply Chain (ESC) Playbook offers a practical guide to help countries prepare for and deploy the necessary systems and tools to respond to major disruptions. We have successfully worked with countries to strengthen their supply chain preparedness and response. Our team responded to recent Zika and Ebola epidemics, and the COVID-19 pandemic. GHSC-PSM has been at the forefront of commodity distribution for **COVID-19**, providing ultra-cold chain storage solutions for vaccines and supplying 8,724 ventilators to 43 countries while also coordinating in-country oxygen supply chain activities.



Enhancing Locally-Managed Procurement and Supply Chains Through Advisory Services

Our highly experienced team leverages market-based solutions and data analytics to provide quality advisory services and strengthen organizational and human capacity with an eye towards long-term sustainability. Capacity development is an investment to build resilient locally-led health supply chains that ensure access to quality and affordable life-saving commodities for all.

Photo Credit: GHSC-PSM | Employee at the Eastern Regional Medical Stores loading last mile deliveries in Korfidua, Ghana.

Forecasting and Supply Planning



Chemonics supports countries to more accurately and efficiently forecast for and quantify their health supply chain needs. Paramount to GHSC-PSM's success in enhancing data visibility and supply chain transparency, is the **Quantification Analytics Tool (QAT)**, a modern, open-source, web-enabled forecasting and supply planning solution for better data access and system interoperability. GHSC-PSM developed and rolled out QAT which ultimately brings greater visibility into commodities' stock levels and deliveries and improves stakeholder-partner connectivity in health supply chains.

Warehousing and Inventory Management



Using data-driven solutions to improve in-country warehousing and inventory methods, we work with local counterparts to establish and continuously maintain appropriate inventory strategies for commodities. These strategies seek to strike the right balance between cost (including inventory, operations, transportation, and capital deployment) and service (including lead time, stockouts, and on-time deliveries).

Transportation Management



We work with local counterparts to manage and outsource transportation services for efficient and sustainable health commodity distribution. This includes conducting assessments of the private sector supply chain services and 3PL market in a country, managing the tendering process, and providing assistance in ongoing vendor performance management, and service benchmarking. To enhance transport management, we apply advanced analytics to save costs through implementing route optimization, analyzing and recommending most

efficient routes for trucks and product distribution.

Human Resources for Supply Chain Management



We provide technical support to continuously improve the systems, processes, and factors affecting an organization's ability to plan for, manage, and support professionalized national cadres of supply chain professionals. Our projects have trained over 16,000 supply chain professionals, including youth. In Benin, the GHSC-TA FTO project has successfully implemented and scaled since 2019 the **Youth Logisticians Professionals Program**, increasing the capacity of young professionals to manage and monitor the health supply chain at the community level and achieving impressive improvements in the supply chain.

Laboratory Services



GHSC-PSM continues to promote the development of efficient and well-planned laboratory networks and support high-quality service delivery through data-driven optimization and geographic information system-based visualization applications. The use of modern software applications like OptiDx—developed by GHSC-PSM, Coupa, and FIND in collaboration with USAID—increases coverage and reduce costs by providing models and potential scenarios that improve visibility into network performance and costs and create opportunities to optimize laboratory equipment placement.

Pharmaceutical Management



We work with global partners and in-country stakeholders to build strong pharmaceutical systems, including creating an enabling environment with an effective regulatory framework, ensuring the pharmaceutical workforce is well-trained and equipped, and optimizing

services and products to promote rational use and protect patients.

Waste Management



We provide technical assistance to countries to mitigate both the direct and indirect impacts of improper waste management. We implement best practices that adhere to appropriate health and safety measures and environmental safeguards for the country and waste type, and include proper disposal of medical waste in accordance with international norms and regulations.

Data-driven Supply Chains



Chemonics maintains a smart supply chain management information system that automates every step along the chain, from demand planning and sourcing to order management, logistics and warehouse management, and supply chain optimization. Our technology platform has strong integration capabilities to exchange information with sophisticated as well with the most rudimentary warehousing and logistics management systems. We continuously invest in innovative technology solutions to provide our clients the best insights for decision-making.

Quality Assurance and Risk Management



Through early warning tools and on-the-ground relationships, we proactively identify and analyze risks to implement measures that reduce the likelihood of an adverse event occurring or to lessen its impact. Our quality assurance specialists work with manufacturers and supply chain managers to ensure that procured health commodities meet the highest quality assurance standards, including regulations and requirements for storage and distribution.

ABOUT CHEMONICS

Founded in 1975, Chemonics is one of the world's leading international development consulting firms. In 95 countries around the globe today, our network of 5,000 specialists pursue a higher standard in development, working with clients, partners, and communities to ask the right questions and deliver innovative solutions to the world's most intractable problems.



supplychainteam@chemonics.com | chemonics.com