Our Work

As a multidisciplinary organization, Chemonics approaches global health security in the context of systems strengthening. We do this in health and across other sectors such as agriculture, environment, and governance. We believe we cannot achieve global health security without the creation of equitable, resilient, and efficient health systems for all people. In countries at risk for public health emergencies, we are using sophisticated data analytics networks, global best practices, capacity building approaches, private sector engagement, and practical tools to help governments and donors better prepare for and respond to emerging global health security threats.

GLOBAL HEALTH SECURITY ACHIEVEMENTS

3 countries receiving TECHNICAL ASSISTANCE for their National One Health Platforms

1M bottles of MOSQUITO REPELLENT procured and delivered to reduce the threat of Zika in Latin America and the Caribbean

36 countries in which MONTHLY ANALYSIS of food security takes place

Strengthening Country Capacity to Prepare for Public Health Emergencies

In our increasingly interconnected world, preparing for and responding to public health emergencies require approaches that help countries strengthen their multidisciplinary ties and address coordination challenges among different sectors.

At Chemonics, we embrace these approaches to create a world safe and secure from infectious disease threats. Our work draws upon strategies, tools, and approaches from decades of experience across multiple development sectors including health, agriculture, supply chain, information technology, climate studies, and food security.
Our Multisectoral Efforts Address Global Health Security

**National Governance:** In Ethiopia, Tanzania, and Cote d’Ivoire, Chemonics is providing technical assistance to the National One Health Platforms. We are working to ensure that national level policies and guidelines support a coordinated and multisectoral One Health approach to prevent, detect, and respond to the risks of zoonotic diseases.

**Private Sector Engagement:** As a member of the Global Health Security Agenda Private Sector Round Table, Chemonics leverages its technical and management expertise to help countries strengthen their systems to prevent, detect, and respond to health-related crises based on the gaps identified in their Joint External Evaluations.

**Workforce Development:** A strong health workforce — with the right skills and in the right places — is critical to create health systems that are more resilient and better prepared for emergencies. In more than 20 countries, we are working to identify and address shortfalls in the health workforce to improve the quality and accessibility of health services.

**Climate Change:** One of the most immediate effects of climate change on global health is the rise in vector-borne diseases such as Zika, West Nile Virus, and malaria. Our teams support governments to fill knowledge gaps in the local effects of climate change on health to help them better prevent and respond to disease outbreaks. In Mozambique, we are researching the link between climate trends and outbreaks and offering recommendations on how this knowledge could streamline future responses around malaria and diarrheal diseases.

**Public Health Supply Chain:** Our teams foster supportive environments for the security of health commodities to increase access to lifesaving medicines in more than 60 countries. Across the world, we are preparing countries to optimize supply chain management during emergencies, distribute products to combat diseases such as Zika and malaria, and strengthen health systems, allowing uninterrupted access to essential medicines at service delivery points.

**e-Governance:** In Liberia, we are strengthening the information and communications technology capacity of the government and increasing public sector internet connectivity to help the country more effectively prevent, detect, and respond to potential health crises in the aftermath of the Ebola virus epidemic.

**Infectious Disease:** To support Ukraine’s fight against increasing rates of multidrug-resistant tuberculosis, we helped the public health system make progress by improving diagnostic testing for quicker detection, strengthening access to more effective and shorter treatments, and increasing the use of tools and approaches to improve treatment adherence.

**Food Security:** In 36 of the world’s most food-insecure countries, we conduct in-depth monitoring of livelihoods, nutrition, agriculture production, climate, and conflict. Our data helps the international community identify and respond to populations that lack access to safe and nutritious food. Through the Famine Early Warning Systems Network (FEWS NET), we equip governments and donors with the evidence-based analysis they need to take action to prevent disaster or assist people already suffering from malnutrition and starvation who are vulnerable to other health risks.

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**PRACTICAL TOOL**

Emergency Supply Chain Preparedness and Response

To help countries prepare for and respond to epidemics, we developed a framework of competencies for emergency supply chain management: the Emergency Supply Chain Playbook. The playbook includes procedures and accessible tools to forecast, procure, and distribute commodities that treat and contain diseases. The tools utilize essential competencies and supply chain management checklists as well as one-health resources to adequately prepare for infectious disease outbreaks in animals and humans, while being cautious of the environment and ecosystem. Countries implementing the Global Health Security Agenda are using the playbook as a practical guide for their emergency supply chain specialists. Chemonics is supporting the customization and implementation of this playbook in Cameroon, Burkina Faso, Kenya, Liberia, and Sierra Leone.

*The framework can be accessed at ghsupplychain.org/emergency-supply-chain-playbook*