

CASE STUDY

Transportable Exam Backpack in Field Healthcare



Access to quality healthcare remains a pressing challenge, particularly in remote or underserved regions. From inadequate infrastructure to a scarcity of medical professionals, these areas often face insurmountable barriers to delivering essential medical services.

However, the advent of telemedicine is revolutionizing the way healthcare is delivered, and one standout solution is GlobalMed's Transportable Exam Backpack (TEB). This portable telehealth system is making waves by providing much-needed medical care to hard-to-reach communities.

Imagine a healthcare system that fits into a backpack, ready to deliver comprehensive diagnostic services anywhere in the world. The TEB is precisely that—a lightweight, compact telemedicine kit equipped with cutting-edge tools such as the TotalVitals® Health Monitor for checking vital signs, high-quality medical imaging cameras, and devices for tele-auscultations and ECGs. Furthermore, optional tools like the ClearProbe® Ultrasound offer advanced diagnostic capabilities, making the TEB a versatile asset in the field.

USE CASES: TACKLING REAL-WORLD CHALLENGES

REMOTE RURAL HEALTHCARE

01

For communities nestled in remote rural areas, the TEB is a game-changer. Healthcare providers can now conduct full medical assessments without moving patients from their homes or villages. Using the TEB, providers can capture vital signs, conduct examinations, perform ultrasounds on-site and even collaborate in real-time with specialists in urban centers through the eNcounter® Virtual Health Platform.

This connectivity allows small clinics to leverage resources from larger medical centers, enhancing the quality of care delivered. Recently, GlobalMed assisted Puerto Rico Science, Technology and Research Trust along with GlobalMed's partner TeleMedik, with specialty care delivery, by deploying 45 Total Exam Backpacks. These backpacks helped to shorten the health care organization's specialty care wait times from 8-12 months, down to as little as 45 days. Soon, IPS SurSalud partnering with the Colombian Government in Bogota will soon implement 70 total exam backpacks to parallel this same access to specialty care.

HUMANITARIAN AND DISASTER RELIEF

02

Natural disasters and humanitarian crises often leave medical infrastructure in ruins. Here, the TEB proves indispensable, enabling rapid deployment of healthcare teams with essential diagnostic tools.

In a flood-hit area, for example, a health worker equipped with the TEB can offer immediate care, taking vital signs, heart and lung sounds, and images for remote expert consultations. This capability ensures that critical medical attention is available when it's needed most.

For elderly or immobile patients, receiving care at home can be challenging. The TEB, powered by eNcounter software, brings high-quality healthcare directly to these patients. Its portability means healthcare professionals can easily carry it, while its integration with Electronic Health Record (EHR) systems ensures seamless sharing and storage of patient data. Additionally, the ability to connect with specialists remotely enhances patient outcomes and reduces wait times between appointments.

One of our customers in Texas has 4 total exam backpacks they use in the community to deliver medical assistance for people experiencing homelessness. Coplin Health (WV) uses their 4 total exam backpacks for primary care services. In Ecuador, CEDIA (Corporación Ecuatoriana para el Desarrollo de la Investigación y la Academia) utilizes 2 backpacks to deliver care for people with diabetes in rural areas.

GLOBAL IMPACT + BENEFITS

Tested from urban environments in Texas to remote areas in Ecuador, the TEB has already made significant impacts worldwide. It can provide mobile medicine anywhere, even specialty care in remote and rural areas.

PORTABILITY: Designed for mobility, the TEB allows healthcare providers to reach even the most inaccessible locations.

COMPREHENSIVE DIAGNOSTICS: With tools for monitoring vitals, imaging, and advanced diagnostics, the TEB addresses a wide spectrum of medical needs.

REAL-TIME COLLABORATION: Integration with the eNcounter® platform facilitates real-time collaboration with specialists, ensuring faster and more accurate diagnoses.

COST-EFFICIENCY: The TEB offers an economical solution for remote care, especially where building permanent clinics isn't feasible.

MINIMAL IT SUPPORT: With efficient connectivity options, the TEB provides data-rich, video-powered virtual consultations with minimal bandwidth requirements.

GlobalMed's Transportable Exam Backpack is a testament to how technology can bridge the healthcare divide, bringing essential medical services to patients in remote or disaster-stricken areas. As telemedicine continues to evolve, solutions like the TEB promise a future where quality healthcare knows no boundaries.

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