E+TRA Health Supply Chain Management System

Cloud-based system managing medical supply chains in developing countries for improved patient outcomes.

Researchers at Purdue University have developed a healthcare inventory-tracking and supply chain management system to improve patient outcomes in developing countries. Paper-based healthcare supply chain management systems, commonly used in developing countries, have many limitations related to providing the up-to-date information needed for real-time decision-making. This lack of data can result in undersupply of pharmaceuticals, overstocks of expired medications, or delays in treatment. The Purdue software has a cloud-based centralized database structure supported by an offline-compatible mobile platform and is able to triangulate patient admission data, diagnoses, supply delivery information, testing reports and inventory information and generate reports accordingly. This software aims to reduce time needed to prepare orders, incidence of stock-out and overstock of targeted medical supplies, and ultimately help improve patient outcomes.

Advantages:

-Complete transparent tracking (from donor resources to beneficiaries)

-Multiple organization and country program management

-Automatic reports (for inventory, beneficiary, monthly, etc.)

-Cloud-based (most up-to-date supply chain status, maintained and updated remotely)

-Web-based (accessible from location without installing any App)

-Cross-platform (Windows, MacOS, Android, iOS, etc.)

Potential Applications:

Technology ID

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Category

Digital Health & Medtech/Health Informatics

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View online

-Healthcare in developing countries

TRL: 6

Intellectual Property:

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