

Theater Mobile Computing Applications

...improving point-of-injury reporting capabilities through the continuum of care

The Theater Barcode Integration and COTS-Based Radio Frequency Identification Integration Project

This project provided an analysis of alternatives to identify the optimal Commercial Off-the-Shelf product and strategy for barcode use and RFID tracking for the MHS. The project also demonstrated the use of RFID/barcode integration into the TMIP Suite so that patient data could be easily transferred onto a barcode and the Electronic Health Record.

The Theater Mobile Computing/Care En Route Project

This project conducted research to determine the most appropriate handheld/small platform mobile computing software and hardware platform to serve the medical mission in Theater. The project evaluated the best combination of software/hardware and graphical user interface that would be needed for point-of-care treatment and clinical documentation on the battlefield, and designed secure mobile medical applications to meet Theater needs. This translates to a mobile development framework capable of providing mobile apps that are highly intuitive and fit right into the existing legacy frameworks without disruption of legacy services.

Project Goals

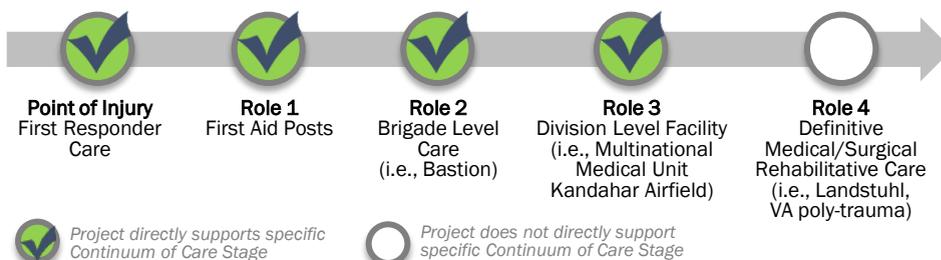
- Improve quality of care and health outcomes via accurate patient identification, reduction of medical errors, and the provision of comprehensive treatment information
- Support informed decisions across the continuum of care
- Better identify and track patients and treatments provided through the echelons of care

Functional Benefits

- Positive Patient ID – patient identified quickly and with high confidence; medical errors decrease; duplicate patient records avoided
- Improved Tracking Capabilities – automated alerts to next level of care on nature and timing of incoming casualties; data for automated COCOM health force reporting
- Enhanced management of patient treatment data and integration into the EHR from point-of injury, evac and definitive care treatment
- User-centered design – Solution designed in concert with clinical workflows; end-user complexity minimized; level-of-effort to record care decreased



Supporting the Continuum of Care



This project is managed by the **Pacific Joint Information Technology Center**, which focuses on rapidly researching, testing, and developing warfighter medical solutions and products, through pilots or prototypes in support of the DOD.