

## Overview

Mobile Heartbeat™ uses secure smartphones to improve clinical workflow and team communications, delivering better patient care at a lower cost. Mobile Heartbeat consolidates clinical communications, including alarms and notifications, pertinent patient information, lab data, texting, voice, and photography. Based upon its Clinical Urgent REsponse (CURE) technology, Mobile Heartbeat provides a real-time clinical team directory that efficiently connects all members of the patients' care team inside and outside the hospital as well as across multiple facilities. Eliminating the need for multiple devices, searching for caregivers or hunting for lab data, Mobile Heartbeat provides a highly efficient, patient-specific, clinical team collaboration solution.

## MH-CURE Capabilities

The combination of a secure smartphone application and server software forms the core technology for MH-CURE. Working together, MH-CURE delivers the following features, both inside and outside the healthcare provider enterprise:

### Patient-specific Workflow

- ✓ Real time patient-specific clinical team directory and presence status
- ✓ Complete clinical and communications access across multiple facilities
- ✓ Connects all members of the clinical team, eliminating physical searches for staff
- ✓ Asynchronous secure texting, no missed calls
- ✓ Pertinent patient information and alerts inside and outside the hospital
- ✓ Grab and go activation for busy clinicians

### Consolidated Communications

- ✓ Secure HIPAA compliant text messaging and High Definition Voice
- ✓ VoIP and PBX direct connectivity
- ✓ Caregiver-specific alarms and alerts
- ✓ Integration with EMR for clinical lab data, ADT, and upload of photography
- ✓ Critical lab results delivered directly to the care team
- ✓ Integrated with the hospital's cloud infrastructure

### Smartphone Technology

- ✓ Off-the-shelf Smartphone technology
- ✓ BYOD or use shared hospital devices
- ✓ Consolidated voice, data, texting, photography
- ✓ Use of integrated secure camera and video
- ✓ Push technology for all alerts, communication and information
- ✓ Pre-programmed texts for rapid response

## Industry Standards

MH-CURE supports industry standards such as:

- ✓ **Smartphones** – iOS and Android
- ✓ **Legacy System Connectivity** – HL7 and Active Directory
- ✓ **Notifications** – TAP, WCTP, Apple & Google push
- ✓ **Voice** – VoIP using SIP and Cellular
- ✓ **Security** – Totally secure and HIPAA compliant

**MH-CURE Delivers:**  
**Increased Staff Efficiency**  
**Increased Revenue**  
**Lower Cost**  
**Improved Patient Care**



For more information  
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Better patient care through secure smartphone technology and unique patient-specific workflow

## MH-CURE Smartphone Application

Available for both iOS and Android devices, the MH-CURE application delivers these core features on a smartphone or a tablet. The app features:

**Patient-specific dynamic care team** — displaying the unique care team for each patient along with each member's status and availability

**Hospital contact directory** — connected to the hospital phone directory and enabling up-to-date contact information at a single facility or even across multiple related hospitals

**Patient information** — complementing the in-depth view of an Electronic Medical Record (EMR) via a mobile view of patient information

**Patient-specific alerts and notifications** — messages generated by other hospital systems such as Nurse Call, Lab Information Systems and Telemetry are delivered directly to the appropriate members of the care team. All core features are integrated into a single application based around the patient-specific care team. The patient and related team information are available everywhere — both inside and outside the facility — a significant breakthrough over traditional workstations, desk phones and legacy wireless phones.

## Support for Shared and Personal (BYOD) Devices

MH-CURE supports two different modes of smartphone use:

**Shared Devices** — In a shared device environment multiple users have access to hospital-supplied devices. The patent-pending QuickLaunch capability enables hospital users to simply scan their ID badge to activate any smartphone housed in a charging rack. At the end of its use, the device is simply placed back in the rack. All patient and personalized data is erased and the smartphone is charged for the next user.

**Personal Devices** — MH-CURE provides the BYOD user with a secure connection both inside and outside the facility. Even when a personal smartphone user does not have the MH-CURE app running, the user is prompted to log in to the app and initiate a secure connection if another care team member needs to communicate.

## MH-CURE Application Server Software

Installed in either a single hospital or in a data center (private cloud computing) supporting multiple facilities, the MH-CURE Application Server software runs on both physical and virtual servers. Its unique ability to consolidate information from multiple hospitals enables care team members with patients in multiple facilities to have a unified and consistent view of all patients under their care. Utilizing industry standard HL7 along with additional protocols, the MH-CURE Application Server connects to hospital legacy systems such as:

**Patient Admit, Discharge, Transfer** — for providing the current status of every patient

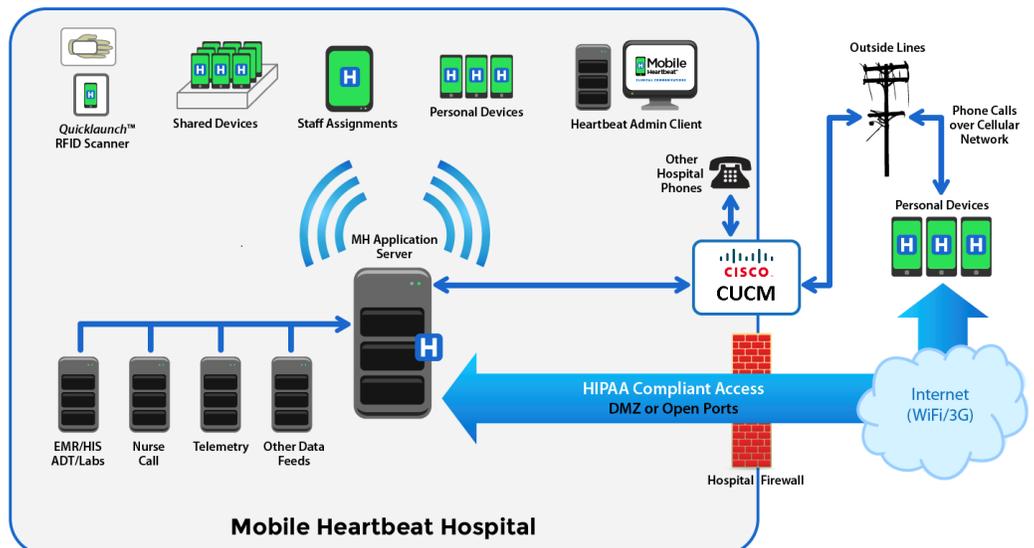
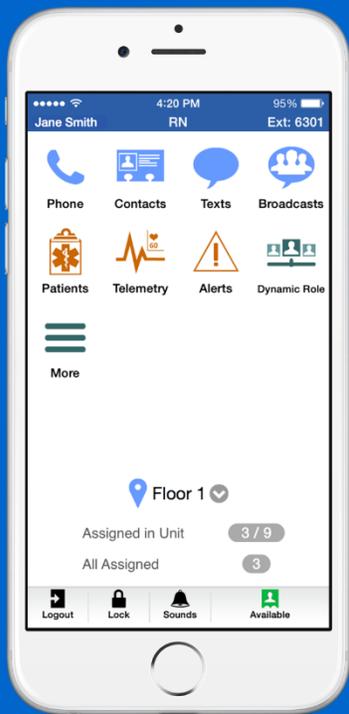
**Electronic Medical Record** — for patient demographic information

**Lab Information System** — for up-to-the minute lab results and notifications

**Telemetry Systems** — for telemetry vital signs and patient-specific notifications

**Document Repositories** — for securely storing and viewing patient-specific photography

**Hospital Staff Directory** — for keeping the staff contact list current and accurate



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