## Design & Evaluation of an Electronic Vital Signs Capture and Surveillance System



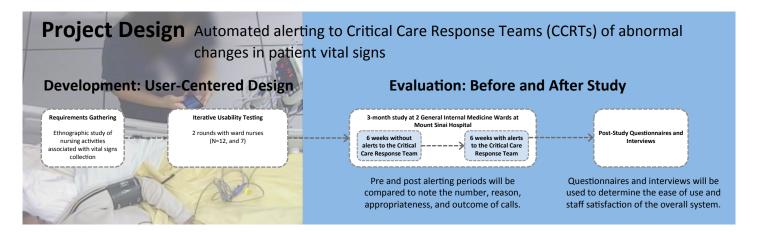
Vital Sign Collection

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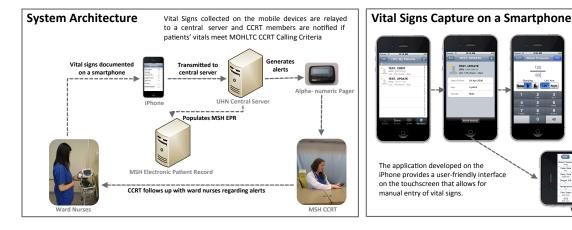
## **Problem Statement**

Given a timely recognition of conditions leading to an adverse event, as many as 1/2 of all adverse events are preventable.

Studies provide evidence that patients display identifiable signs of physiological abnormality up to 48 hours prior to deterioration. However, failure to recognize changes in a patient's condition is a barrier to the effectiveness of Critical Care Response Team programs.



## Solution



## **Implications**

The intent is to iteratively design the system so that it will enhance the effectiveness of Critical Care Response Teams by increasing the number of appropriate calls generated to these teams.