

## TELEHEALTH PROJECT SUMMARY TEMPLATE

Please provide information on all major projects in the last ten years (1998-2008) and any planned future projects

SUMMARY WRITER: COL Suzie Martin

PROJECT NAME: eICU

ORGANIZATION/AGENCY (and primary contact): Tripler Army Medical Center, Critical Care Medicine

FUNDING (source and amount): Congressional Appropriations totaling \$6,411,500 since FY02

START UP FUNDS: Initial research funding was \$1.2M

REIMBURSEMENT (submitted/not submitted): N/A

DURATION (start time and date): Started 2003

PURPOSE/INTENT (100 words maximum):

To provide board certified critical care specialist services to remote Intensive Care Units using a proprietary technology solution (eICU®, VISICU Inc., Baltimore, MD) which is HIPAA compliant and FDA approved. Daily physician to physician consultation rounds and multi-disciplinary (pharmacy, respiratory therapy, critical care nursing and physician specialty) consultation rounds are offered to the Naval Hospital Guam and the 121 General Hospital in Yongsan, Seoul Korea.

MAJOR CRITICAL ACCOMPLISHMENTS:

Overcomes the gaps in care resulting from shortages of board certified critical care specialists and critical care nurses in the military health system. Benefits include improved clinical outcomes, reduced clinical variation, increased patient safety, and more efficient resource utilization, as well as reduced mortality and ICU length of stay

CRITICAL SUCCESS FACTORS:

Four "hard factors" contribute to the success of the eICU Program: 1) project continuity, 2) performance integrity, 3) commitment of senior government personnel, and 4) additional effort of medical and clinical personnel needed to fulfill eICU requirements.

CRITICAL BARRIERS (overcome or not):

Limited in scope to an intermittent consultative care model due to funding provided. Full benefit of the system and expansion to other facilities or for continuous operations would require more funding. Current funding will only sustain the system at its current operational level through May 2009.

MAJOR LESSON LEARNED:

Success is realized in saving just one life, but security requirement limit the capabilities of the robust medical and clinical interface. To remediate this issue, a Liaison position was established to support the additional operational activities until such time as system integration can be accomplished.

CURRENT STATUS (active, planned, dormant, completed, other?):

Active

PARTNERING ORGANIZATIONS:

Tripler Army Medical Center, John A. Burns School of Medicine, Pacific Telehealth and Technology Hui, Naval Hospital Guam and 121 General Hospital, Korea.

IS THERE A CLINICAL CHAMPION OR A COMMITTEE OVERSEEING THE TELEMEDICINE PROGRAM?

Clinical Champion

TECHNOLOGY USED: Proprietary technology solution (eICU®, VISICU Inc., Baltimore, MD)