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: **LTC C. Becket Mahnke (Christopher.Mahnke@us.army.mil)**

PROJECT NAME: **Asynchronous Local/Oversees Hospital Academic (ALOHA) System**

ORGANIZATION/AGENCY (and primary contact): **Tripler Army Medical Center; Departments of Pediatrics and Obstetrics/Gynecology**

FUNDING (source and amount): **Telemedicine and Advanced Technology Research Center (TATRC), AMEDD Advanced Medical Technology Initiative (AAMTI) 2008 award ($168,000)**

START UP FUNDS: **See above**

REIMBURSEMENT (submitted/not submitted): **N/A**

DURATION (start time and date): **Project initiated spring 2008; ongoing**

PURPOSE/INTENT (100 words maximum):

Current Graduate Medical Educational (GME) requirements are not being met by military physicians in the Hawaii-Pacific region due to a combination of geographic, regulatory and educational factors. Resident work hour restrictions have resulted in "Night Float" rotations and the need for external medical rotations have severely limited daytime scheduled educational activities, including departmental lectures and bedside medical rounds. To address this issue, a tele-educational portal within the existing Pacific Asynchronous TeleHealth system (PATH) serving the needs of Pediatric and OB/GYN GME is being developed. The ALOHA system will provide digitally recorded educational lectures within the two departments in an asynchronous ("store-and-forward") mode and provide Residency Program Directors with measures of competence as required by the American College of Graduate Medical Education. The ALOHA system will also ensure that a core curriculum is available to all Pediatric and OB/GYN residents. Future work will focus on expanding these educational opportunities to other GME programs at Tripler Army Medical Center as well as offering Continuing Medical Education (CME) credits for DoD healthcare providers stationed throughout the Pacific region.

MAJOR CRITICAL ACCOMPLISHMENTS:

When complete, the ALOHA system will address educational needs through the creation of a tele-educational portal that will: 1. Provide digitally recorded educational lectures that will be available throughout the medical center for Hawaii-based GME and CME. 2. Provide such recorded educational lectures to remote colleagues in asynchronous mode throughout the Pacific region for CME. 3. Contain interactive, case-based learning modules for independent study. Resident work hour limitations have reduced the number of patient encounters for trainees. The ALOHA system will expose resident trainees to all essential educational materials during training, ensuring a complete educational experience. These cases will be created from both staff teaching files and actual teleconsultations (once protected health information has been removed). 4. Electronically link lectures and case-based learning modules into actual patient cases within the established teleconsultation system. This will provide content-specific educational material for remote providers in the Pacific region. Additionally, this aspect will allow leveraging of diverse, military and geographically relevant patient database for educational means. When complete, the ALOHA system will address educational needs through the creation of a tele-educational portal that will: 1. Provide digitally recorded educational lectures that will be available throughout the medical center for Hawaii-based GME and CME. 2. Provide such recorded educational lectures to remote colleagues in asynchronous mode throughout the Pacific region for CME. 3. Contain interactive, case-based learning modules for independent study. Resident work hour limitations have reduced the number of patient encounters for trainees. The ALOHA system will expose resident trainees to all essential educational materials during training, ensuring a complete educational experience. These cases

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CRITICAL SUCCESS FACTORS:

Active

CRITICAL BARRIERS (overcome or not):

Educator (TAMC staff) and Learner (TAMC Housestaff) participation.

MAJOR LESSON LEARNED:

Financial support for ongoing development past the first GME phase.

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

Ongoing development

PARTNERING ORGANIZATIONS:

Telemedicine and Advanced Technology Research Center (TATRC), DoD healthcare facilities throughout the Pacific region

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

Clinical Champions

TECHNOLOGY USED: **Tele-educational portal within the existing Pacific Asynchronous TeleHealth system**