

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: **Dale Moyen**

PROJECT NAME: **Fetal TeleUltrasound**

ORGANIZATION/AGENCY (and primary contact): **Hawaii Pacific Health / Fetal Diagnostic Center**

FUNDING (source and amount): **U.S. Dept of Commerce - Technology Opportunities Program: \$550,000**

START UP FUNDS: **Weinberg Grant 1998: \$200,000 + \$1,185,000 matching funds**

REIMBURSEMENT (submitted/not submitted): **Submitted**

DURATION (start time and date): **10/01/1999 to 09/30/2003**

PURPOSE/INTENT (100 words maximum):

To improve access to specialty medical care for women in Hawaii with High Risk pregnancies, the Kapi`olani Medical Center for Women and Children Fetal TeleUltrasound Project began in October 1999 with the goal to link the Neighbor Islands of Hawaii to Hawaii's urban center of Honolulu on the Island of Oahu via real time clinical video conferencing (telemedicine) systems and the necessary network infrastructure. 10 Remote Ultrasound Examination sites were established across the Hawaiian Islands with the Hub site located at Kapiolani Medical Center for Women and Children in Honolulu.

MAJOR CRITICAL ACCOMPLISHMENTS:

281 Patients seen during Pilot Project Period of 3/01/2001 to /09/30/2003. Awards: Telecon National 12/2000 - Best Healthcare Project in US; Hawaii Pono Tech 12/2001 - Best Non Profit Project in Hawaii. Fetal TeleUltrasound Program featured on PBS Kids Health Episode #104. Fetal TeleUltrasound was first program of it's kind in U.S.. Model for Arizona tele-ultrasound program.

CRITICAL SUCCESS FACTORS:

100% of the 98 patient surveys received answered Yes to the question 'Would you be agreeable to using tele-ultrasound again'?

CRITICAL BARRIERS (overcome or not):

After departure of original Physician Champion, utilization of service has dropped significantly.

MAJOR LESSON LEARNED:

Must have strong physician champion and physician motivation to utilize telemedicine.

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

Still active and operationalized however only offered within HPH system at this time due to lack of utilization and cost of maintaining ISDN network to neighbor island sites.

PARTNERING ORGANIZATIONS:

Hawaii Radiology Associates, Maui Radiologic Associates, North Hawaii Community Hospital, Kapiolani Medical Center at Pali Momi; Wilcox Hospital; Hawaii Health Systems Corporation; Kauai Veterans Memorial Hospital; Maui Memorial Hospital; Molokai General Hospital; & The State of Hawaii Telehealth Access Network.

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

Yes - Hawaii Pacific Health Telehealth Manager

TECHNOLOGY USED: **Tandberg Health Care System III over direct dial 768kbps ISDN lines**