

## **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: Joe Humphry,MD

PROJECT NAME: Ohana Health Home Glucose Monitoring Program

ORGANIZATION/AGENCY (and primary contact): University of Hawaii Department of Electrical Engineering

FUNDING (source and amount): Department of Defense

START UP FUNDS: Approximately \$100,000

REIMBURSEMENT (submitted/not submitted): Not Submitted

DURATION (start time and date): 1/1999-8/1999

PURPOSE/INTENT (100 words maximum):

The demonstration project tested the impact of remote monitoring and home based patients support in the management of diabetes. Twenty two minority patients in the Waianae community were provided computers (\$500 ea.) and software to upload their home glucose monitoring data back to their primary care providers. Only 2 patient had ever used a computer prior to the project. Patient training and support was provided by a community health worker from the Waianae Coast Community Health Center. In addition to providing data uploads, the patients were able to participate in 2 web based "chat" rooms related to diabetes with a provider and the community health worker.

MAJOR CRITICAL ACCOMPLISHMENTS:

The patients' average A1C dropped 1.5% with improved overall health and the demonstration of the feasibility of remote monitoring

CRITICAL SUCCESS FACTORS:

Having a community health worker who was culturally sensitive be the primary contact for the patient for training and support.

CRITICAL BARRIERS (overcome or not):

Two patients did not send data because they refused to test their blood glucose.

MAJOR LESSON LEARNED:

Computer naive minority patients all adopted and adapted to the new technology. There was increase family involvement related to diabetes care as younger family members often assisted with the use of the computer.

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

Completed

PARTNERING ORGANIZATIONS:

Waianae Coast Comprehensive Health Center

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

TECHNOLOGY USED: Web based software allowing remote monitoring of glucose.