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: **Lawrence Eron MD**

PROJECT NAME: **Teledermatology**

ORGANIZATION/AGENCY (and primary contact): **Kaiser Permanente**

FUNDING (source and amount): **none--Digital cameras are owned by providers.**

START UP FUNDS: **zero**

REIMBURSEMENT (submitted/not submitted): **none**

DURATION (start time and date): **2005-present**

PURPOSE/INTENT (100 words maximum): **Dr. Bradley Lau has been using store and forward for teledermatology consults with primary care providers to allow them to provide history with some digital pictures sent by email via Lotus Notes. Responses are sent back.**

MAJOR CRITICAL ACCOMPLISHMENTS: **The cases are primarily from the Big Island between the Kona clinic and Kaiser dermatology on Oahu. Limited cases have also been sent from the Kaiser clinic in Nanaikeola, Waimea on the Big IslandFunding source. Teleconferencing camera equipment was used to transmit live video images from the Kaiser clinic in Kona of a child with a rash that were viewed and therapeutic decisions were then discussed with the mother. Follow up was done by phone. Image quality was marginal for the size of the rash being treated. Most of the benefit was in getting history and discussion of treatment with the mother and family.**

CRITICAL SUCCESS FACTORS: **see above**

CRITICAL BARRIERS (overcome or not): **The current system (Epic) does not support the storage of images. We are limited to patients that don't require diagnosis of a small melanoma which would be hard to see clearly on camera and limited to patients that don't need a procedure done- no biopsy or treatment with liquid nitrogen. Anyone needing a procedure is better seen in person. The quality of digital images varies greatly partly due to less experience with using the digital cameras. It is difficult to make an evaluation if the image is blurry or if the color is affected by poor lighting. A standardization of image capture would be helpful but digital cameras used do vary widely.**

MAJOR LESSON LEARNED: **We need to be working on an integrated image collection storage system to work with epic for all specialists that have a need to be documenting digtal or video images- Derm, Eye, ENT, GI, Pulmonology, etc.**

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

PARTNERING ORGANIZATIONS: **none**

IS THERE A CLINICAL CHAMPIOR OR A COMMITTEE OVERSEEING THE TELEMEDICINE PROGRAM? **no**

TECHNOLOGY USED: **digital camera images via store and forward**