Diabetic Mobile Health Research Study -
A Project Update

The TATRC mHIC team is hard at work on advancing the technology for a Diabetic Mobile Health Research study that will be conducted in partnership with the Patient Centered Medical Home and Clemson University. The research project is funded by Joint Program Committee - 1 (JPC-1). Recently, the selection of the equipment sets that will be used for home based monitoring in the patients' homes was finalized. Each patient who will participate in the research arm study will receive a glucometer, blood pressure monitor, weight scale and activity/sleep tracker that will synchronize data with the secure mCare application on their personal mobile devices, and will be monitored through the backend portal by case managers at Madigan Army Medical Center at Joint Base Lewis McCord and Mike O'Callaghan Federal Medical Center at Nellis Air Force Base. The home monitoring devices that will be used during this study include: My Glucohealth Glucometer, A&D Blood Pressure monitor, A&D weight scale and the Fitbit Charge. Information from these devices will be displayed in a secure mobile app on the patient's personal mobile phone and/or tablet, and will also be accessible to their assigned case managers through a secure portal interface at the clinical facilities. The features of the mobile and portal interfaces are under development now, and will be leveraged in an Institutional Review Board approved clinical trial. The outcomes of this clinical trial will help shape remote home monitoring Telehealth options for the Military Health System in the future.

Mrs. Jeanette Little, mHIC Lab Director stated, “The Diabetic Mobile Health Research study has the potential to be a landmark effort for the industry. Home monitoring devices are very popular within the industry, but there remains a paucity of information about the impact these technologies will have on patient activation and outcomes without clinical trials.”