

TEC4Home: Using technology to monitor heart failure patients recovering at home

PURPOSE OF THIS STUDY:

TEC4Home is a project that studies how technology can help heart failure patients manage their health at home, after leaving the hospital or clinic. This technology is called home health monitoring. We hope to show this home health monitoring solution decreases revisits to the emergency department (ED) and readmissions to the hospital, while increasing quality of life for patients.

WHO CAN PARTICIPATE?

Patients with heart failure presenting to the emergency department who are under diuretic therapy, and have one or more of the typical symptoms, signs, AND objective measures are eligible for this study.

WHAT IS INVOLVED?

Patients will be asked to complete an enrollment survey to collect baseline/demographic information. He/ she will then be set up with a home health monitoring device kit which will allow him/her to send biometric data (e.g. weight, pulse, blood pressure, oxygen saturation) to the monitoring nurse on a daily basis for 60 days. 30 days post-monitoring, patients will be contacted to participate in a study completion survey and interview/focus group to collect experiences with the monitoring service. All study procedures are in addition to the standard of care that patients receive in the ED/hospital.

CONTACT INFORMATION:

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To learn more about this study, visit vchri.ca/participate

STUDY TIME/DURATION

Recruitment of patients from the emergency department and hospital began in October 2016. Enrollment will be open until the end of June 2017. Monitoring activities will end 60 days after the last patient is enrolled and evaluation activities will end by August/September 2017.

STUDY LOCATION

Participant recruitment will take place at VGH and St. Paul's Hospital. Participants will collect and send their biometrics to the monitoring nurse from their own home.

PRINCIPAL INVESTIGATOR

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