Virtual Health Monitoring connects healthcare providers with patients via a secure digital health platform enabling them to monitor the health and wellbeing of their patients remotely. The technologies that comprise Virtual Health Monitoring allow patients to have their symptoms and vital signs monitored in their own home when connected to the MyCareManager patient app (outlined below). This includes monitoring pulse and oxygen saturation using a SpO2 pulse oximeter, temperature, blood glucose, weight and blood pressure.

Using Bluetooth, data on a patient’s vital signs and symptoms can be either manually entered or transmitted to the MyCareManager patient app which then transmits the data securely to a web-based portal within the hospital environment. Once the data has been securely transmitted, information regarding deteriorating conditions can be automatically flagged to a clinician, enabling healthcare providers to follow up with patients by simply clicking to launch a secure video call, direct to the patient’s mobile device.

This solution is particularly relevant for those directly affected by COVID-19 (including those who are being monitored because they are at risk of contracting the virus through exposure to someone who has tested positive to the virus) as well as vulnerable populations, such as those with pre-existing chronic conditions or who are undergoing treatments that can weaken their immune systems, who need to have their health and wellbeing monitored whilst in isolation, thus reducing the risk to themselves and others who would otherwise have to monitor them in person. Our Virtual Health Monitoring solution can also be used as a resource for freeing up capacity within hospitals for patients who are more critical.

**Key benefits**

- **Increases healthcare providers’ ability to manage a larger cohort of patients (remotely)**
- **Information provided via the platform can help predict signs of exacerbating condition, allowing healthcare providers to initiate pre-emptive actions and helping to reduce unnecessary hospitalisations**
- **Delivers remote care when physical visits are not always required whilst reducing the risk to staff**
- **Supports workforce efficiency by digitising usual and emergency care practises**
- **Helps to reduce unnecessary hospitalisations/emergency department presentations and support early hospital discharge services (to achieve a reduction in Length of Stay)**
Deliver exceptional quality of care to patients in their own homes

This system allows patients (both COVID-19 and non COVID-19 affected patients) to have their vital signs and symptoms monitored in their own home when connected to the MyCareManager patient app. The vital signs include but are not limited to the patient’s pulse and oxygen saturation, temperature, blood glucose, weight and blood pressure. These can be manually entered or transmitted by Bluetooth to the MyCareManager patient app. The MyCareManager app then transmits the collected data securely to a web-based portal within the hospital environment, where information regarding deteriorating conditions can be automatically flagged to a clinician. The clinician is able to follow up with the patient through a secure WebRTC and sip-based video call. This solution can help monitor the stable COVID-19 patients and those at risk of contracting COVID-19.

Reduce bed demand in hospitals

Virtual Health Monitoring supports healthcare providers to deliver exceptional quality of care to patients in their own homes. This allows hospitals to free up beds that would otherwise be occupied. Read how Metro South Hospital & Health Service have improved access flow and reduced costs while taking on more patients.

Help to reduce unnecessary repeat presentations to the emergency department

Through Virtual Health Monitoring, healthcare providers are able to use information provided via the platform to help predict signs of an exacerbating condition, enabling them to initiate pre-emptive actions and helping to reduce unnecessary hospitalisations.