

Department of Cardiology

Cardiac Implantable Electronic Devices (CIEDs) on Home Monitoring



What is a Cardiac Implantable Electronic Device (CIED)?

A cardiac implantable electronic device (CIED) is an electronic device implanted in the chest to monitor the heart rhythm and control heart rhythm abnormalities & symptoms. CIEDs include implantable loop recorders (ILR), permanent pacemakers (PPM) and implantable cardioverter defibrillators (ICD).

Home Monitoring

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 A <u>program</u> that allows your doctor to: Monitor your CIED outside the clinic setting Provide routine checks for your device Track device's function Record abnormal heart rhythms A supplement to your clinic visits 	 An emergency service A provider of 24/7 monitoring of your CIED A replacement of regular doctor follow-up visits Please seek medical attention at your nearest hospital if you are unwell, or if you have experienced a shock from your CIED.

What are the Benefits of Home Monitoring?

- 1. May reduce the number of clinic visits needed
- 2. Increases the frequency of CIED monitoring
- 3. Improves early detection of heart rhythm abnormalities that require medical attention
- 4. Improves patient satisfaction and safety

If no abnormal heart rhythm events are detected during home monitoring, you will only need to follow-up with your doctor once a year. If abnormality is detected, we will contact you to schedule for an earlier clinic appointment.

Note

If you choose not to be on Home Monitoring, you will need to return to the clinic once every 3 to 6 months for CIED check and review.

What is a Transmitter Device?

You will be given a transmitter to plug in, switch on, and place at your bedside.

This transmitter sends data from your CIED to the manufacturer's server, which will be verified and compiled into a report for the-hospital.



Illustration for reference only. Actual transmitters provided may differ.

Disclaimer

- 1. During your clinic visits, please ensure that your contact details are updated so that we can contact you if there are any CIED-related issues picked up on Home Monitoring.
- 2. Please note that transmission of information from your CIED is dependent on cellular network or wireless connection. Transmission is only possible if your transmitter is plugged in, switched on at home and in close proximity to your CIED.
- 3. Personal data from your CIED, including medical and technical data will be collected and transmitted to the manufacturer's central servers not located in Singapore, and will be stored in their database. The hospital will comply with data protection laws. This information can be accessed by the manufacturers, our cardiac technicians and doctors.
- 4. To ensure proper functioning of the home transmitter, it is important to take care of the device and follow the instructions for proper use.
- 5. You may, at any time in your own discretion, terminate your participation in Home Monitoring without any detrimental or negative effects on your medical therapy and treatment.
- 6. Please note that fees for Home Monitoring Service is not included in the cost of your CIED and procedure. Financial counselling will be conducted prior to your CIED implantation.
- 7. Home Monitoring Service and its related fees are non-transferrable across Hospitals.

TTSH Medical Centre, Level 3

The Cardiac Centre Clinic 3A (Cardiology Clinic, Cardiac Ambulatory Services, Cardiac Rehabilitation Gym) Clinic 3B (The Heart Atrium, Cardiac Imaging Centre)

TTSH Emergency (A&E) Block, Level 3

Invasive Cardiac Laboratory

Contact: 6357 7000 (Central Hotline)



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