

## **Remote monitoring of heart failure risk in people with cardiac implantable electronic devices (provisional title)**

Heart failure is caused by any structural or functional cardiac disorder that impairs the heart's ability to function efficiently. Cardiac implantable electronic devices (CIED) are recommended as treatment options for specific people who have or are at high risk of heart failure. Monitoring is recommended for people who have CIEDs.

As an example, TriageHF Plus is a remote monitoring care pathway that is used to identify and manage an increased risk of heart failure or worsening heart failure in people with CIEDs. A heart failure risk score is generated using physiological data collected by a compatible Medtronic CIED. The score is used to categorise a person's risk (low, medium, or high) of hospitalisation from heart failure events within the next 30 days. The data is transmitted to the manufacturer's CareLink network service and is made available to health professionals. People who are at a high risk of having a heart failure event are contacted via telephone for further assessment with a health professional. Alternative remote monitoring care pathways that are compatible with CIEDs from other companies are available. Use of these remote monitoring pathways alongside standard care could lead to earlier identification of people at risk of heart failure, resulting in access to interventions earlier, improving health outcomes and resulting in fewer hospitalisations.

The NICE diagnostics assessment programme will assess the clinical and cost-effectiveness of remote monitoring pathways used to identify and manage heart failure risk in people with CIEDs in order to make recommendations on their use in the NHS.