

HEART FAILURE & VIRTUAL WARDS

DEFINITIONS HEART FAILURE

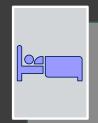
When the heart is not able to pump nutrient and oxygen rich blood around the body. Many different conditions can cause it.



Shortness of breath (SOB) when you're active or resting



Swollen feet, ankles, stomach and around the lower back area



Extreme tiredness and fatigue



Dizziness, loss of appetite, palpitations, cough



Many causes can lead to heart failure, and it is a long-term (chronic) conditions.

Sometimes it can deteriorate and result in an hospital admission

DEFINITIONS

VIRTUAL WARD

- To support patients unwell or at risk of deteriorating patients stay at home, or to discharge patients sooner from hospital.
- Healthcare professionals can continue to monitor your health readings (blood pressure, pulse, oxygen levels) after discharge at home using technology
- Advantages



Comfort of your home



Less risk of hospital acquired infections



Personalised care, the readings are reviewed live by experienced nurses

Disadvantages

Reliant on technology use, possibly a supportive family, health inequalities, communication barriers

EQUIPMENT

- 08:2
- Smart-phone (yours or given by the company)requires the app to be downloaded
- Tablet (like an iPAD) will come with the app installed



Blood Pressure Monitor



Portable electrocardiogram



Combination of digital remote monitoring and face-to-face treatment. At present there are 11 companies providing the NHS with technologies – depends on what hospital covers your area.



- Pulse oximeter that reads the oxygen level and the pulse through your finger (usually connects to the app for the transmission of the data)
- Thermometer



Spirometry (for respiratory conditions)



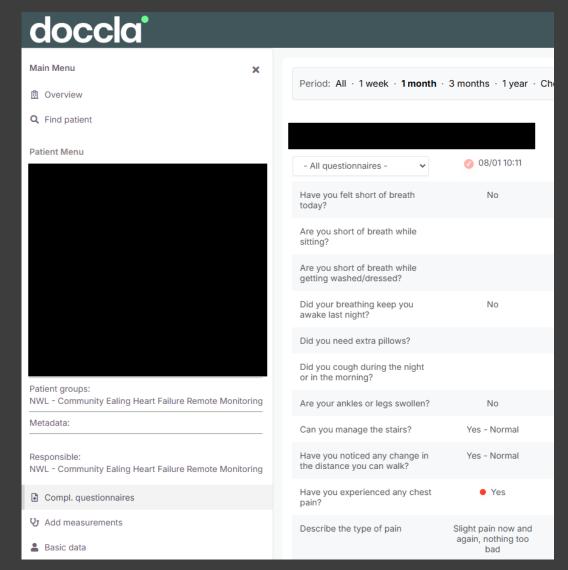
Weighting scales

FEATURES

Clinician features

- ✓ Alarms are sent to us when for example Blood Pressure is too high or too low for what we have set as "normal"
- ✓ We can communicate via messages, telephone or video-call
- ✓ We can send reminders for you to submit readings
- Machine learning (AI) to learn based on data to inform patients and clinicians

 Mixture of options for healthcare professionals and patients – these vary A LOT between companies offering the service



FEATURES

Patient features

- ✓ Questionnaires sometimes disease specific, covering symptoms, mental well being, free type in
- ✓ Free-type in feedback
- ✓ Education videos, leaflets or text
- ✓ Video, phone, picture uploading
- ✓ Patient reminders
- ✓ Access to 7 day week support, sometimes 24/7

 Mixture of options for healthcare professionals and patients – these vary A LOT between companies offering the service



FREQUENTLY ASKED QUESTIONS

Is it safe?

- ✓ Appears safe, our local experience shows very little re-admissions to hospital during the virtual ward period
- ✓ Nationally the data supports this

Is it better than hospital care?

- ✓ In some cases yes, when you don't need to be monitored 24/7
- ✓ Overall, we can't say the way we usually measure these things take a long time and involves recruiting patients to studies
- ✓ The 11 providers don't help

Is it just to free up the beds in hospital?

✓ Not at all, compared to the amount of patients that are in hospital at an point in time, only a few meet the criteria and that are strict pathways to ensure this

Who usually gets to be enrolled into a virtual ward?

✓ In the NHS, patients with long-term conditions such as Chronic Obstructive Disease (COPD), Heart Failure, diabetes or parenteral antimicrobial therapy