Health *Call*

NHS

Oximetry @ Home

Background

Oximetry @ Home is a virtual ward remote monitoring solution.

Oximetry @ Home was initially developed by front line NHS teams at South Tees Hospitals NHS Foundation Trust in response to the COVID-19 pandemic.

The solution allows patients to either be 'stepped up' from primary care following a COVID-19 diagnosis, or 'stepped down' from secondary care following hospitalisation.

Patients complete their readings at set times, and depending on their results, the solution provides them with advice about what to do next.

How it works

- Eligible patients are added to the system and their bespoke oxygen levels are set by their clinician
- Twice a day, patients receive a text messages asking them to provide their breathing rate, heart rate, oxygen saturation, temperature (if they have a thermometer), type of oxygen supply and other details which may indicate deterioration
- Once completed, patients receive tailored advice
- Clinical teams receive a colour coded response based on the patients patient's readings in the clinical portal

Product features

- Automatically issued digital survey
- Patient use the mobile app when they access the survey
- Text message reminders
- Background triage logic to determine colour coding of submissions
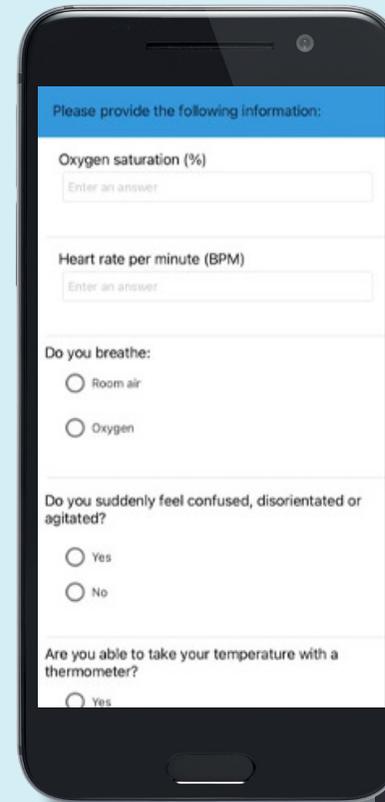- Web-based management portal where survey submissions are accessed

Oximetry@Home

Benefits

- Remote monitoring can be relied on to detect deterioration
- Patients can spend more time at home
- Hospital beds are released to accommodate patients who require urgent treatment
- Can be quicker than gathering the same data over telephone calls
- Medical attention can be directed to those at home who need it most urgently
- Patients are actively involved in their own care, managing and monitoring their own health
- Remote monitoring of the appropriate patients frees up staff time

Deployed

Oximetry @ Home is in place at South Tees Hospitals NHS Foundation Trust and County Durham and Darlington NHS Foundation Trust.

Please provide the following information:

Oxygen saturation (%)
Enter an answer

Heart rate per minute (BPM)
Enter an answer

Do you breathe:
○ Room air
○ Oxygen

Do you suddenly feel confused, disorientated or agitated?
○ Yes
○ No

Are you able to take your temperature with a thermometer?
○ Yes