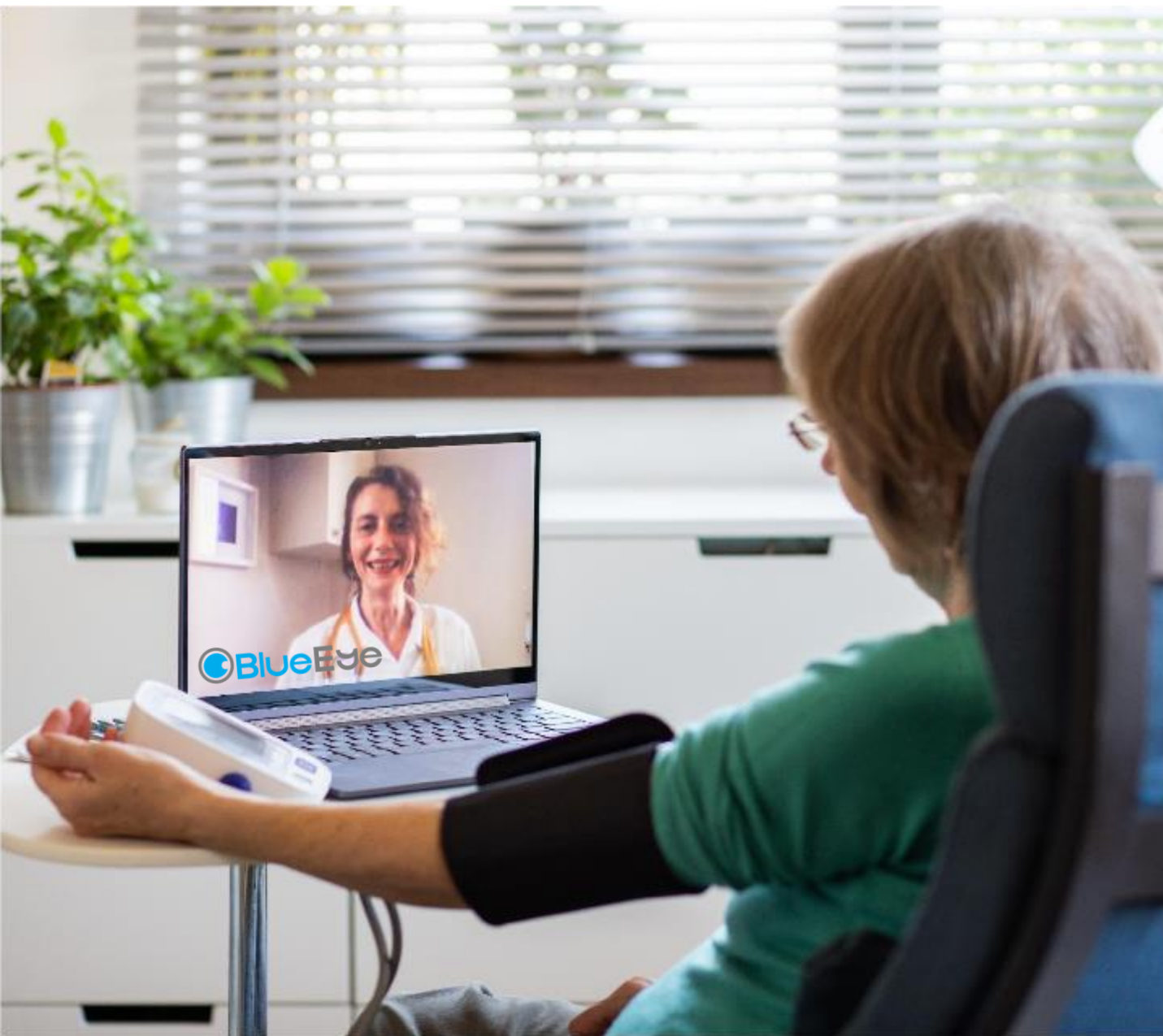


BlueEye Virtual Ward

Rapidly acquire extra bed capacity by utilizing clinical teams to treat & monitor patients at home



BlueEye Virtual Ward

About the Service

BlueEye Virtual Ward is an advanced **acute home care service** to deliver patient care at home. BlueEye Virtual Ward delivers peace of mind to patients knowing that they are being remotely monitored and have access to the clinical team 24 hours a day.

New Bed Capacity

BlueEye Virtual Ward objective is to ensure patients receive **quality treatment in the comfort of their own home** while their vital signs are monitored 24/7 by a clinical team.

BlueEye Virtual Ward frees up extra bed capacity at hospitals through **early supported patient discharge from hospitals** and **hospital admission avoidance**.

Components

BlueEye virtual ward evolved from the **award winning BlueEye Video Clinic** service into the open telemedicine platform integrating remote monitoring with NEWS2 and configurable clinical pathways.

There are three main components to the BlueEye Virtual Ward service

- **Remote Monitoring wearable sensors** to remotely track and monitor patient vitals such as heart rate, blood pressure, respiration rate, oxygen levels, blood glucose, actigraphy etc.
- **BlueEye Care App** for patients to engage with healthcare professionals.
- **Cloud-based browser interface for Healthcare professionals (Nurses, Doctors & Consultants)** to set out patient treatment plans and escalation to MDT teams.

BlueEye Virtual Ward Platform

BlueEye Virtual Ward is an integrated collaborative platform including:



I. Monitoring

Green box containing different types of sensors, smartphone, and BlueEye care app for capturing patient vital signs data.

Two types of Green boxes are available;

- Green box starter kit
- Green box pick n mix kit

II. BlueEye Virtual Ward Dashboard

Online portal for patient onboarding, remote patient monitoring, patient records, and escalations.

III. Healthcare Professionals

To remotely monitor patient health and escalate to other teams if needed.



- Patients admitted to a virtual ward have their care reviewed daily by remote monitoring and video nurses under a rules based approach overseen by a senior medical officer at consultant or GP level.
- Escalation is available to a multidisciplinary team including GP, Emergency Department, Acute Hospital Ward.

Green Box

Green Box Starter Sensor Kit

The Green Box is a kit of sensors for virtual ward and home hospital support.

Green Box starter kit includes

- Respirasens (Respiration Rate)
- MultiVital Cardio Patch (ECG and Heart Rate)
- SpO2 Sensor (SpO2 and Heart Rate)
- Axillary Temperature Patch (Clinical Thermometer)
- Blood Pressure Cuff Sys/Dia Blood pressure values
- Smartphone with SIM Card for 4G, 5G & Wifi
- BlueEye Care App



Green Box

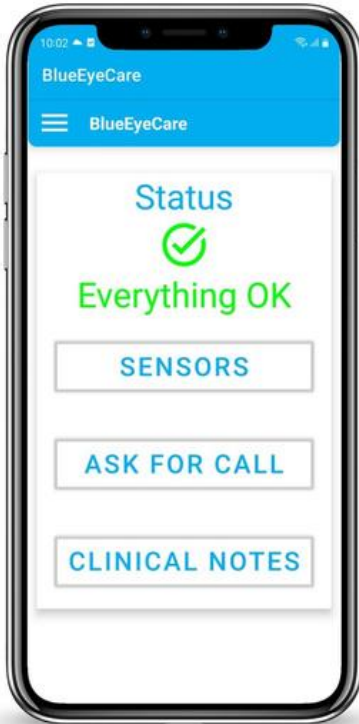
The Green Box Pick 'n' Mix sensors allows the clinician to pick from a list of sensors to customise patient monitoring requirements by choosing from a list of available sensors. It also includes the BlueEye Care App

Some of the additional sensors available are

- Actigraphy & Sleep Vivoactive3/4/4S
- Actigraphy & Sleep ForeRunner245/935/945
- Blood Pressure Index BPM
- Weight Scale Index S2 Smart Scale
- CGM G6
- BP Cuff BP7450
- Blood Glucose AccuChek
- SpO2 MD300C208
- SpO2 O2 Ring
- SpO2 PediatricKidsO2
- SpO2 PediatricBabyO2
- Spirometer



BlueEye Care App

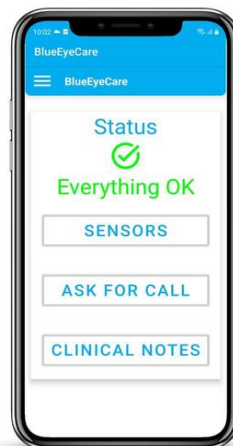


BlueEye Care App includes:

- Bluetooth and cloud connection for sensors
- Programmable questions for patient/patient family
- Glasgow score check



Bluetooth



4G/5G

Dashboard

- Easy to use online portal for healthcare professionals to remotely monitor vital signs of patients with option to engage in video consultation, if needed
- Critical alerts for immediate attention to outlier cases (high NEWS score)
- Manage patients on the virtual ward
- Assign questionnaires
- Conduct virtual ward rounds
- Chat with patients

Virtual Ward - Respiratory

Critical Alerts

Jane Wild

INEWS Score: 7
Started 5 minutes ago
[View Patient](#)

John Doe

INEWS Score: 5
Started 2 minutes ago
[View Patient](#)

All Alert Levels

INEWS score 3

Patients: 3
[View Patients](#)

INEWS Score 0-2

Patients: 24
[View Patients](#)

Device needs Action

Patients: 2
[View Patients](#)



[View All Patients](#)



[Onboard new Patient](#)



[View Clinical Pathways](#)



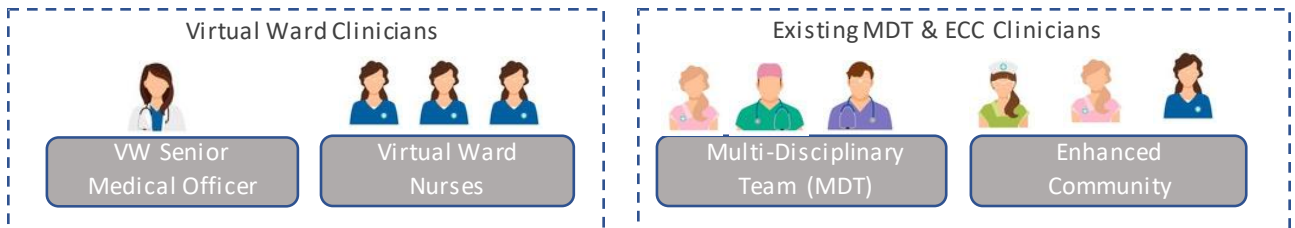
[Manage Questionnaires](#)



[INEWS Scores](#)

Healthcare Professionals

BlueEye Virtual Ward allows healthcare professionals to access patient data, layout patient treatment plans and monitor patients



- Healthcare providers normally supply the nursing and clinical staff for monitoring patients on BlueEye virtual ward
- You can use your own staff or we can help with recruitment with a recruitment partner
- A combination of working onsite and remotely can be attractive to the clinical staff needed for Virtual Wards

BlueEye Virtual Ward Ecosystem and partners



Patient Journey

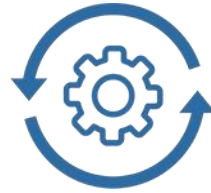


Key Features



Flexible

for video nurse resourcing,
video clinic service, patient
alarm monitoring



Interoperable

Integrable with different
healthcare IT providers



Tailorable

Customisable to suit local
needs



Easy touse

Supported with quick and
detailed user guides and videos



Simple

Intuitive to use. Layman's language and
terminology

Key Outcomes



Care delivery closer to home
leading to increased patient comfort



Potential avoidance of hospital admission
by treating patients at home



Earlier patient discharge from secondary care services
leading to cost savings and freed up hospital beds



Enhanced access to services for patients and families
leading to enhanced patient care



Earlier intervention in the treatment of disease
leading to increased patient comfort



Multiple cost savings
due to reduced hospitalisation



Contact us

RedZinc innovates in the medical and public safety sector with wearable video technology and video consultation solutions for healthcare professionals. These solutions can be used over Wi-Fi, 4G or combined with a software defined 5G network slicing solution. RedZinc has had a vision to improve the lives of those in healthcare and security industries, using mobile video services.

RedZinc has a rich history of participation in the European Union Horizon 2020 program. RedZinc is a winner in the Irish Health Care Awards 2020. RedZinc is Cyber Essentials certified.

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