PROJECT NUMBER

22785

Virtual ward platform for higher-acuity patient Monitoring

Developed at the University of Oxford and implemented in NHS care, this virtual ward platform enables continuous monitoring of higher-acuity patients across hospital and home. It integrates continuous wearable and intermittent monitoring with real-time deterioration alerts and a unified clinician dashboard, providing remote patient visibility through a scalable, device-agnostic platform.

Applications: virtual wards, hospital-at-home, post-ICU monitoring, post-surgical monitoring, acute ward monitoring, clinical research

Features	Benefits
Integrated continuous wearable and intermittent monitoring	Enables higher-acuity monitoring at home
Real-time NEWS2 driven deterioration alerts with facility to incorporate additional risk algorithms	Reduces monitoring burden while preserving patient safety
Clinician dashboard for real-time data and historical patient trends	Helps prioritise patients requiring attention
Device-agnostic, scalable architecture with EPR integration	Enables mobile, passive patient monitoring
Secure data handling with automated connectivity and fault recovery	Implemented and evaluated in NHS clinical care

Available for

- Co-development
- Consulting
- Licensing

To find out more, contact enquiries@innovation.ox.ac.uk and quote the project number.

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