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EIC INNOVATION PROCUREMENT PROGRAMME

Vitalera Remote Patient Monitoring Platform

case study

vitalera

with the support of

Maastricht UMC+

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PILOT: Followhealth SL (Vitalera) & Maastricht University Medical Center+

Vitalera | Healthcare, Digital Health, and Remote Patient Monitoring

>750 DAYS	20 DOCTORS	17 BPM	TRL 8 to 9
MONITORING DATA LOGGED	**CLINICIANS PARTICIPATING**	**HEART RATE VARIATION DETECTED**	**CLINICAL READY MATURITY**
Over 750 days of continuous remote patient monitoring data collected	20 hospital doctors and nurses onboarded to the monitoring dashboard	Accurately detected personalized baseline resting heart rate variations	System fully integrated into hospital IT network for home monitoring

PILOT PROFILE

EIC Awardee: Followhealth SL (Vitalera)

Solution: Vitalera Remote Patient Monitoring Platform

Partner: Maastricht University Medical Center+ (MUMC+, Netherlands)

Testing Ground: Department of Plastic, Reconstructive and Hand Surgery at Maastricht University Medical Center+

Sector & Challenge Focus: Healthcare, Digital Health, and Remote Patient Monitoring

The Challenge

Patients recovering at home after complex surgeries (such as breast reconstruction using the patient's own tissue) face risks of post-operative complications (such as blood vessel blockages or infections). Once patients are discharged from the hospital, doctors have no visibility over their vital signs. Complications are often detected too late, forcing emergency readmissions that harm patient health and burden hospital budgets.

The Solution

Vitalera is a digital health remote patient monitoring platform. Patients wear medical-grade smart sensors at home that track heart rate and vital signs continuously. Data is transmitted securely to a hospital dashboard via standardized medical computer languages (FHIR/HL7). If vital signs show abnormal changes, Artificial Intelligence triggers automatic alerts so doctors can intervene early before emergencies occur.

Objectives

The pilot aimed to adapt Vitalera for surgical recovery, conduct a clinical validation study with 20 hospital staff, and enroll home-recovering surgical patients. MUMC+ wanted to verify vital sign data accuracy and hospital computer network compatibility.

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Constrains

Connecting remote wearable data into Dutch academic hospital databases required passing strict cybersecurity audits and configuring clinical alert thresholds.

Performance

The platform logged over 750 days of continuous vital sign monitoring across 20 participating clinicians at Technology Readiness Level 8-9. It accurately detected resting heart rate variations of 17 beats per minute, successfully enrolling its first home-monitored surgical patient and preventing readmission risks.

Partner Operational Improvements

Faster post-operative complication detection, reduced emergency hospital readmissions, and automated digital patient survey collection.

SUCCESSFUL PILOT VALIDATION

MUMC+ is completing the active patient trial with intent to execute an annual hospital licensing contract upon study completion.

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