



# BOOSTING DIGITAL TRANSFORMATION OF HEALTHCARE ACROSS REGIONS

Primorsko-Goranska, Croatia

I3 Instrument  
Strengthen Innovation  
in Europe's Regions

**I3** Interregional  
Innovation  
Investments  
Instrument



Co-funded by  
the European Union



**HEALTHCHAIN** offers a model for co-created, demand-driven technological solutions in health care by creating optimal value-chains. It provides a framework in which innovations do not arise from technological vacuum and therefore have a short lifespan.

10

European regions from 8 countries

33

SMEs cocreating solutions with healthcare organisations

24

Digital solutions to be implemented in 10 hospitals focused on:

Self-management

Care coordination

Data Integration & Management

Education & Information

Remote patient monitoring

Data Analytics & AI

Symptoms tracking

Diagnostics



Croatia

# PRIMORSKO GORANSKA REGION



## Healthcare Organisation

Klinički bolnički centar Rijeka (KBCRI)

KBCRI is one of five clinical hospital centers in Croatia and it is the main one in this region. The medical services provided cover three counties, for approximately 600,000 inhabitants.



## Ecosystem supporter

SUSTAINABLE SOLUTIONS GIU

Sustainable Solutions GIU is an Economic Interest Grouping that facilitates partnerships between the public and private sectors to access EU funding for initiatives in healthcare, waste management and sustainable energy.

### SAFE

SAFE is an innovative system equipped with a thermal sensor and smart algorithms designed to detect potentially risky bed positions of patients. It enables healthcare workers to monitor patient care remotely and receive alerts about potential falls from the bed.



RiniGARD

### RM4HEART FAILURE PATIENTS

Remote Monitoring for Heart Failure Patients is a solution that uses a wearable sensor for remote monitoring and tracking heart failure patients' vital signs, enabling early detection of deterioration and reducing hospital readmissions.



Verso Altima Group

### STABILITYGUARD

StabilityGuard is a solution that integrates machine learning and wearable technology. It utilizes real-time data analysis and predictive algorithms to monitor, forecast, and address fall risks of patients in movement.



Sparky Solution Consector Biro

### BIT4HEALTH






Bit4Health is a telemedicine communication platform that connects specialists from hospital with family doctors and patients in remote areas. It facilitates simultaneous consultations, integrating patient medical history, ongoing treatments, and data from third-party medical devices.



Bit4Bytes ClubHub



SAFE is an innovative system equipped with a thermal sensor and smart algorithms designed to detect potentially risky bed positions of patients. It enables healthcare workers to monitor patient care remotely and receive alerts about potential falls from the bed.

-  Monitors patients 24/7 using thermal sensors without compromising patient privacy.
-  Adjusts sensitivity to individual needs, minimizing false alarms and unnecessary interruptions.
-  Discreet ceiling-mounted system avoids stigma associated with wearable fall detection devices.
-  Helps clinicians allocate resources efficiently, improving patient care and experience.
-  Reduces treatment costs by preventing injuries and extended stays due to in-patient falls.

## Regional Partners

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Klinički bolnički centar  
Rijeka



Sustainable  
Solutions GIU



RiniGARD



# REMOTE MONITORING FOR HEART FAILURE PATIENTS



Remote Monitoring for Heart Failure Patients is a solution that uses a wearable sensor for remote monitoring and tracking heart failure patients' vital signs, enabling early detection of deterioration and reducing hospital readmissions.



Enables continuous remote monitoring for vital signs and atrial fibrillation detection post-discharge.



Improves patient engagement by enabling them to self-record data and actively participate in care.



Reduces hospital readmissions by providing real-time alerts for abnormal cardiovascular parameters.



Encourages timely interventions through early detection of health deterioration and prompt medical responses.



Promotes healthcare efficiency by reducing the workload on medical staff through automated data collection.

## Regional Partners



Klinički bolnički centar  
Rijeka



Sustainable  
Solutions GIU



Verso Altima  
Group





StabilityGuard is a solution that integrates machine learning and wearable technology. It utilizes real-time data analysis and predictive algorithms to monitor, forecast, and address fall risks of patients in movement.



Enables proactive fall prevention through real-time monitoring and predictive algorithms.



Provides rapid response to fall incidents with an integrated alert system for staff.



Enhances healthcare quality with continuous monitoring via wearable sensors and AI insights.



Optimizes resource allocation by reducing the need for constant staff supervision.



Boosts patient engagement in physical activity with confidence in safety measures.

## Regional Partners

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Klinički bolnički centar  
Rijeka



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Sparky Solution  
+ Consector Biro





Bit4Health is a telemedicine communication platform that connects specialists from hospital with family doctors and patients in remote areas. It facilitates simultaneous consultations, integrating patient medical history, ongoing treatments, and data from third-party medical devices.

-  Facilitates real-time collaboration among specialists, family doctors, and patients.
-  Reduces delays in treatment through rapid consultations and documentation sharing.
-  Minimizes patient travel and associated healthcare costs with remote consultations.
-  Integrates third-party medical devices, enhancing the platform's diagnostic capabilities.
-  Supports compliance with health standards like HL7 and DICOM for safe data exchange.

## Regional Partners

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Klinički bolnički centar  
Rijeka



Sustainable  
Solutions GIU



ClubHub  
+ Bit4Bytes





[www.healthchain-i3.eu](http://www.healthchain-i3.eu)



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