



# BOOSTING DIGITAL TRANSFORMATION OF HEALTHCARE ACROSS REGIONS

Western Slovenia, Slovenia

13 Instrument  
Strengthen Innovation  
in Europe's Regions

**13** 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



## Healthcare Organisation

Surgical Centre Rožna Dolina (KSRD)

KSRD which has been operating since 1997, is the first private surgical clinic in Slovenia. It was designed as a self-paying hospital that offers its patients higher standards of care and accommodation. During the years of operation, they also obtained concessions from the Ministry of Health for its activities.



## Ecosystem supporter

SLOVENIAN INNOVATION HUB (SIH EEIG)

Slovenian Innovation Hub (SIH) offers support to strategic-innovation partnerships in priority area of Slovenia's smart specialization strategy i.e. in health and medicine. SIH connects individual stakeholders, companies, research organisations, technology centers and value chains.

### EARLY HOME REHABILITATION AFTER FAST-TRACK HIP SURGERY

The solution enables hip replacement patients to begin home rehabilitation after just 2-3 days of hospitalization by using IT tools to maintain continuous communication with patients, guiding them through pre-surgery preparation and post-surgery rehabilitation at home.



Health Lord

### MOBILECARE+

MobileCare+ is a patient-centered mobile app designed for real-time monitoring of rehabilitation progress. By integrating data from wearable devices, the system provides healthcare professionals with actionable insights into patients' recovery. This allows for personalized adjustments to treatment plans.



ZenLab Biromatik

### COMPASS

COMPASS is a comprehensive framework designed to collect digital biomarkers non-intrusively and assess individuals for the risk of mental distress. It enables early detection of mental distress and enhances communication between patients and healthcare providers.








Dita Nvision



# EARLY HOME REHABILITATION AFTER FAST-TRACK HIP SURGERY



The solution enables hip replacement patients to begin home rehabilitation after just 2–3 days of hospitalization by using IT tools to maintain continuous communication with patients, guiding them through pre-surgery preparation and post-surgery rehabilitation at home.

-  Improves quality of life through tailored rehabilitation supervision and remote support.
-  Reduces the waiting lists for patients and improves access to healthcare services.
-  Increases healthcare system efficiency and effectiveness by optimizing the cost of intervention.
-  Enables informed healthcare decisions via seamless access to health history and pharmacotherapy data.
-  Establishes transparent communication channels, improving collaboration between patients and healthcare providers.

## Regional Partners

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Surgical Centre Rožna  
Dolina (KSRD)



Slovenian  
Innovation Hub



Parsek  
+ HealthLord





MobileCare+ is a patient-centered mobile app designed for real-time monitoring of rehabilitation progress. By integrating data from wearable devices, the system provides healthcare professionals with actionable insights into patients' recovery. This allows for personalized adjustments to treatment plans.



Enables early detection and management of post-operative complications, reducing physical visits and ER admissions.



Enhances elderly patients' adherence to care plans with user-friendly interface.



Promotes smoother recovery and improved quality of life.



Facilitates scalability and adoption across hospitals with modular and integrative app design.



Boosts clinical efficiency by automating PROs data entry and enabling timely, informed decision-making.

## Regional Partners

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Facilitates self-monitoring of mental well-being, mood swings, and rehabilitation progress while offering personalized support.



Integrates with smart devices for comprehensive monitoring.



Improves clinician efficiency via centralized, actionable patient data insights.



Enables early identification of distress through personalized risk profiles, improving timely interventions.



Facilitates seamless patient-doctor communication via integrated messaging features and a centralized data collection platform.

## Regional Partners

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+ NVISION





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



HealthChain project is funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or European Innovation Council and SMEs Executive Agency (EISMEA). Neither the European Union nor the granting authority can be held responsible for them.