Road map to 70% CR participation

**Cardiac rehabilitation adherence**
- Set 36 CR sessions as goal
- Home-based CR option
- Flexible CR hours
- Work to minimize CR co-pays

**Cardiac rehabilitation enrollment**
- CR staff liaison
- Early appointment at CR
- CR enrollment as performance measure
- Work to minimize co-pays

**Cardiac rehabilitation referral**
- EMR-based referral
- CR staff liaison
- CR referral as performance measure

Cardiovascular Realities in Europe

Number of Cardiologists
OBJECTIVES

Contextualisation
Virtual coach, machine learning and knowledge integration
Unambiguous location & fall detection
Activity and Health Monitoring

HOW WILL WE DO IT?

Feedback & Serious games
Virtual coach, machine learning and knowledge integration
Unambiguous location & fall detection
Activity and Health Monitoring
Contextualisation
REPRESENTATION OF PROPOSED PERSONALIZED HOME REHABILITATION PATHWAY

- Emotional and motivational aspects
- Step tracking, home-based sensors
- ECG, heart rate measurement

vCare Platform

Interaction level

Educational and motivational support
Comments results
Home physical rehabilitation program
Correct home behaviours
Monitoring of daily activity and smoking behaviour

Patient Profile information
Risk management profile
Smoking management
Physical activity report

IT’S MORE THAN A PIECE OF TECHNOLOGY

www.telemedicine-momentum.eu
“THERE ARE MORE PILOTS IN TELEMEDICINE THAN IN ... BRUSSELS AIRLINE!”

*Be patient, a few more strokes and I’ll soon have the momentum going.*

18 CRITICAL SUCCESS FACTOR FOR SCALING-UP

#2: A compelling need

i.e. the recognition that the innovation is contributing to

- Quality of care/rehabilitation
- Quality of Life of patients
- Efficient use of healthcare resources
- ...

www.telemedicine-momentum.eu
ENABLING SERVICE DEPLOYMENT: 18 CRITICAL SUCCESS FACTORS

THE SHIFT LEFT = A COMPELLING NEED FOR TELESERVICES

- Proactive health and Wellness:
  - Reduce illness. Promote wellness and empowerment

- Home Care:

- Residential/Community/Ambulatory Care:
  - Reduce hospital (re)admissions. Manage at home.

- Acute Care:
  - Reduce ALOS. Earlier Discharge to Ambulatory environments.

© Intel 2011
HOME REHABILITATION WITH VIRTUAL COACH

Proof of Concept: The journey is just starting

ROADMAPPING FOR SERVICE INNOVATION

- **TRL9**
  - Actual system proven in operational environment

- **TRL8**
  - System complete and qualified

- **TRL7**
  - System prototype demonstration in operational environment

- **TRL6**
  - Technology demonstrated in relevant environment

- **TRL5**
  - Technology validated in relevant environment

- **TRL4**
  - Technology validated in lab

- **TRL3**
  - Experimental proof of concept

- **TRL2**
  - Technology concept formulated

- **TRL1**
  - Basic principles observed

- **SRL8**
  - The service has been rolled out to its target population

- **SRL7**
  - The organisation supporting the services has been adapted as appropriate.

- **SRL6**
  - Wide-scale adoption: The service (with its technology solution) is adopted by its users and non-users

- **SRL5**
  - Evidence of the benefits of the service has been assessed with a statistically significant number of users and non-users

- **SRL4**
  - Service prototype developed, tested and validated in lab

- **SRL3**
  - Technology identified as an enabler for the desired change

- **SRL2**
  - User readiness to change a process or create a new one

- **SRL1**
  - Capturing drivers and scoping area for change
H2020 vCARE PROJECT

Virtual Coaching Activities for Rehabilitation in Elderly
Started 1 September 2017
Length 48 months

www.vcare-project.eu

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 769607.