

"Improving Healthcare Access through a Personal Health Monitoring System - eHEALTH Monitoring"

Thessaloniki, October 1st, 2020

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The project shortly

6 Partners *initially*
24 months *initially*
629.753,24 euro *initially*

A challenging innovative project regarding a new approach in primary health system

The project “eHealth Monitoring” aims to develop and validate an efficient and advanced ICT based integrated health information system, that not only provide a mean for monitoring health parameters outside of the traditional hospital environment but also is able to create a permanent link between patients and healthcare personnel, providing in this way a direct improvement of the concept of equal access, equal quality and efficiency of health monitoring for the societal and economical development of enlarged Europe. The strategic goal is the improvement of public health and quality of life, adapting to changing needs and utilizing existing and new technological capabilities, while at the same time increasing the efficiency and cost-effectiveness of these services. The main target of the project is to study, design and implement a novel, user friendly, flexible, highly efficient, interactive mobile application for health monitoring anyplace, anytime, for anyone.



PBS & location of activities

- Centre of Caring and Solidarity of Komotini Municipality (GR)
 - Democritus University of Thrace (GR)
 - Union of Municipalities of Greece (GR)
 - Municipality of Kirkovo (BG)
 - Association EURORADAR (BG)

 - Rhodope (GR)
 - Kardzhali (BG)
 - Smolyan (BG)
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List of Deliverables (1)

- • Mapping & identification activities - data collection
- • Good Practices identification & assessment
- • Joint Strategy towards sustainable e-health management
- • Policy Implementation Guidelines for achieving long-term objectives
- • Implementation study
- • Installation of Equipment

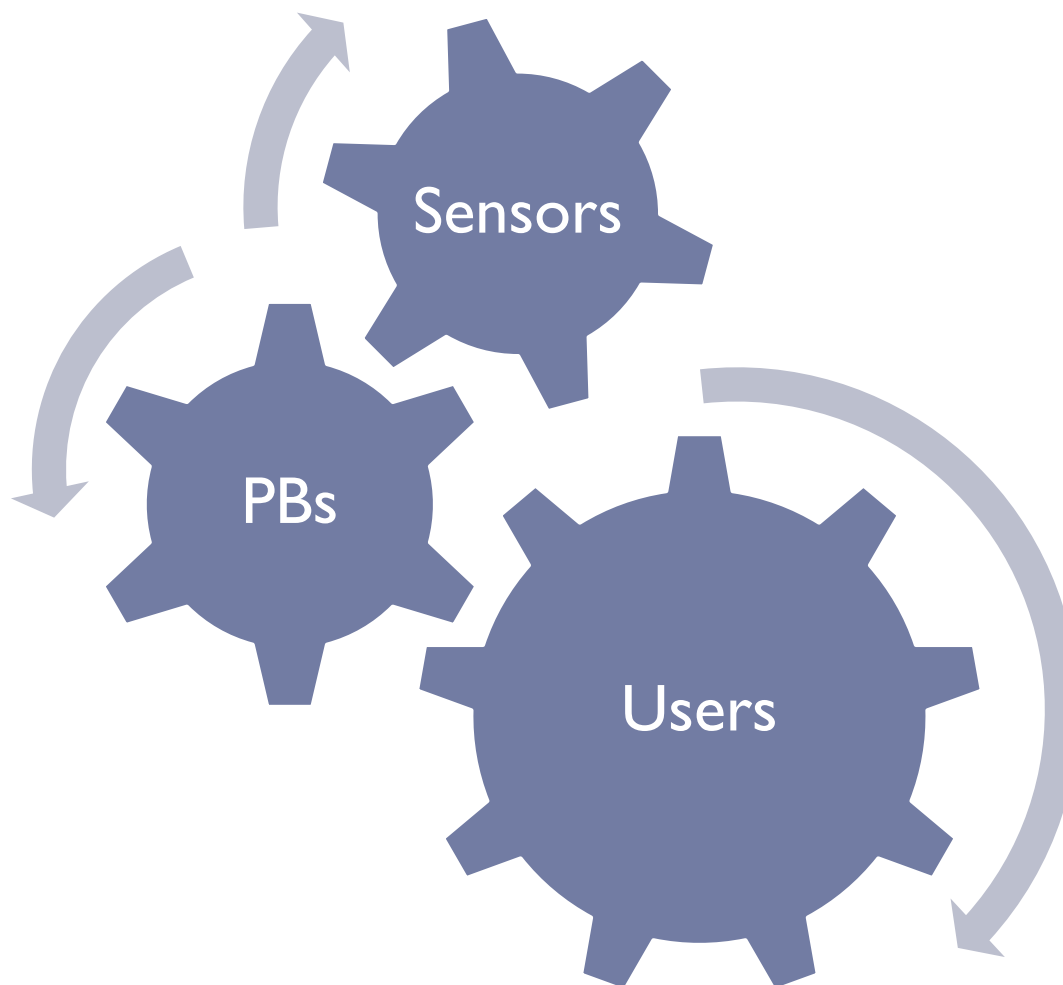


List of Deliverables (2)

- • Application/Software Development
- • Integration, parameterization and testing
- • Pilot implementation report
- • Training sessions
- • Information & awareness raising campaign - Expanding policy integration on sustainable e-health management



Main output - Operation of the system



Hardware

Each user is provided with:

Tablet

- Service provision through our mobile app
- Devices interconnection and videoconferencing



Wireless medical sensors

- Wireless connection with the mobile app for vital signs monitoring
 - ✓ SpO2
 - ✓ Pulse rate
 - ✓ Blood pressure
 - ✓ Physical activity
 - ✓ Sleep



Web app

Interreg Greece-Bulgaria

Mary Johnson
demo.patient@kforassist.gr
0000000000000000

Recent Signals
Daily Activity
2019-06-25 14:04

Recent Activity
Steps: 4280
2019-06-25

Recent Reminders
Remind Reminder
2019-06-25 15:00
Remind Reminder

Events and Notes
Watch now

Notes
You have no notes for this patient

Medications

Medication	Date	Notes
paracetamol	2019-02-23 - 2019-02-24	
phlor	2019-02-23 - 2019-02-25	

Allergies

Allergy	Date	Notes
orange juice/food	2019-02-02	
orange juice	2019-02-02	

Reminders

Date	Occurrence	Message
2019-06-25 14:00	Once	Remind Reminder
2019-06-25 15:00	Once	Remind Reminder
2019-07-14 00:00	Once	Remind Reminder

Notifications thresholds

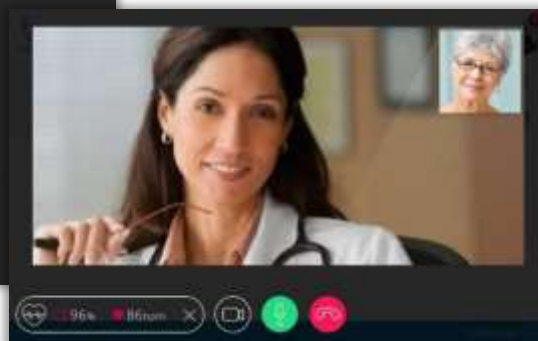
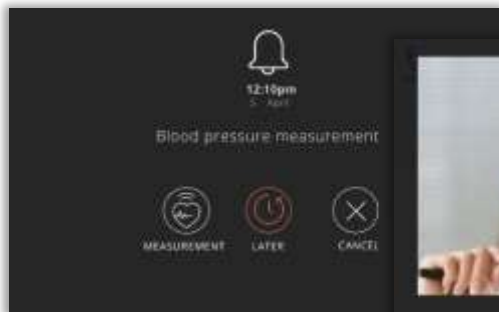
Signal: Condition: Threshold:

Signal: Condition: Threshold:

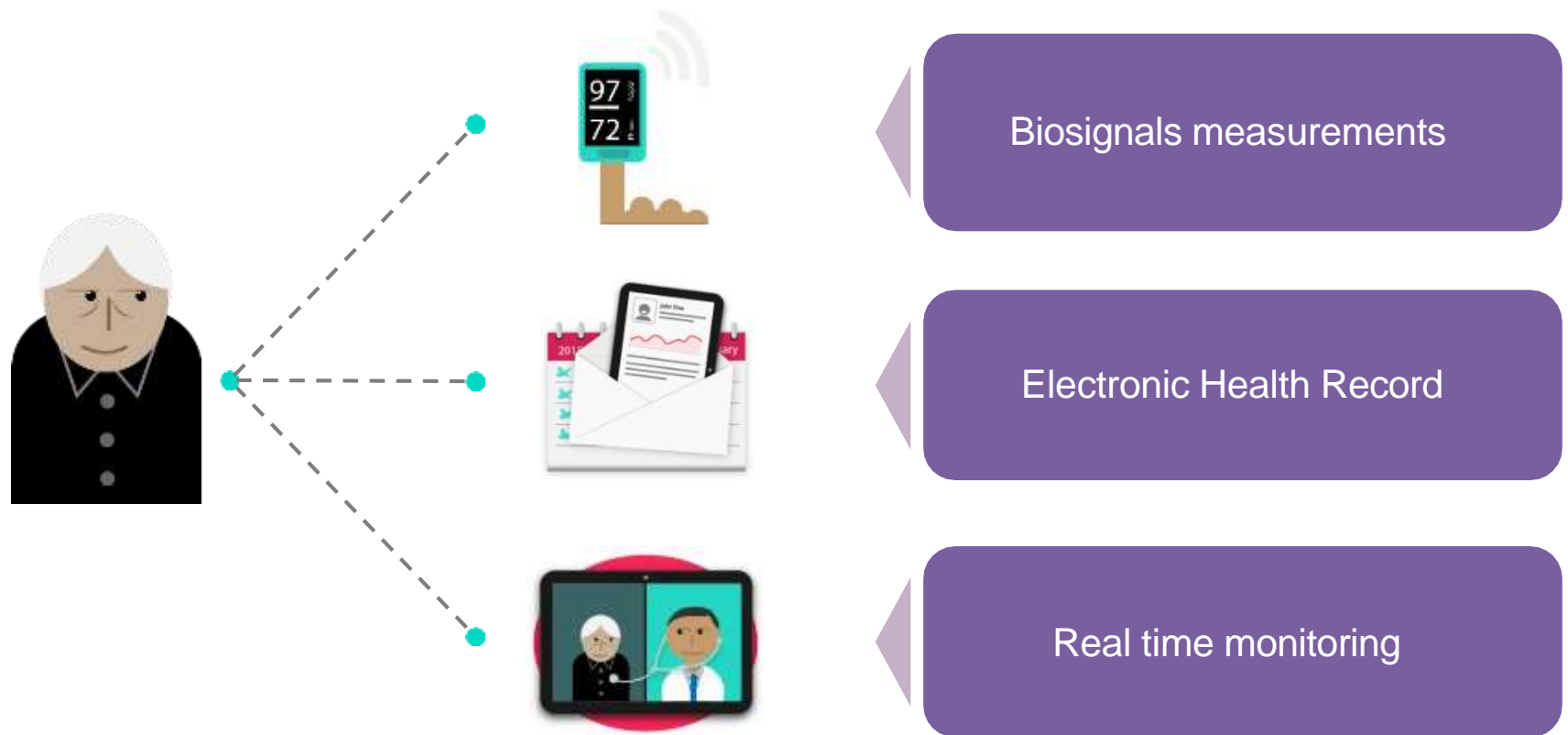
Signal	Condition	Threshold	Threshold
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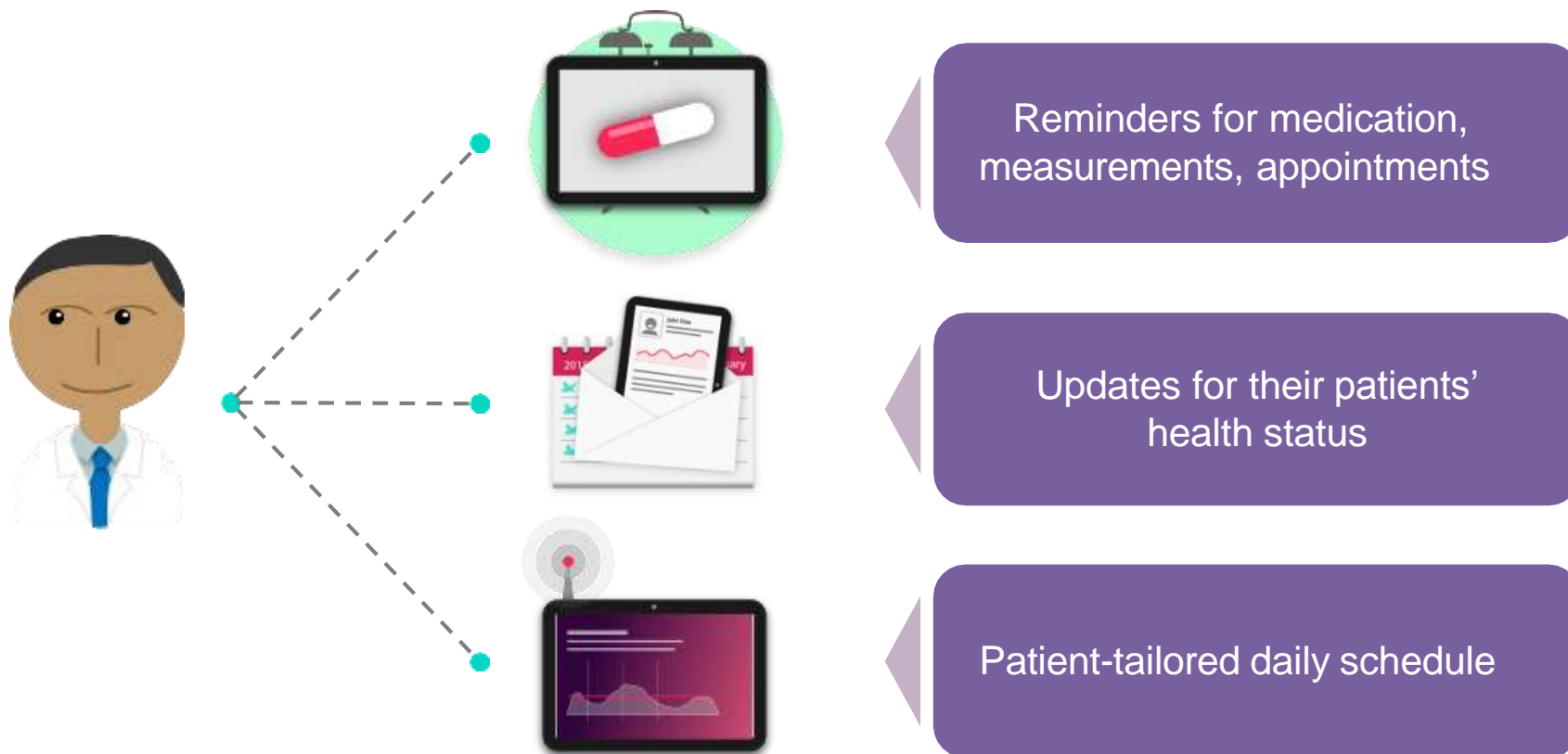
Mobile app



Patients



Doctors



Integrated Sensors

Oximeter



Jumper JPD-500F

Blood Pressure Monitor



iHealth Track

Activity Tracker



H10Pro

Measurable results and effects

- • Introduce in the clinical practice a new eHealth approach
- • Create a new wireless product that will decrease the cable tangle at the bedside
- • Allow an effective prevention of medical complications,
- • Allow less experienced professionals to conduct remote health monitoring under the supervision of more highly educated professionals
- • Save time for both the patient and the health professional by reducing unnecessary visits and tests, while at the same time assuring that critical cases are seen more quickly
- • Keep patient close to the local healthcare experts when away from home,
- • Provide healthcare in emergencies and remote areas, this system being able to ensure healthcare monitoring even to those living in remote areas, or regions cut off during emergencies.



Indicators

- Number of health care institutions reorganized, modernized or reequipped: 1,00
- Number of health ICT systems developed: 1,00
- Population covered by improved health services: 28625,00 (not valid anymore)



Sustainability and transferability

- Municipalities have committed themselves to maintain and expand the system
- Municipalities have developed a system for distributing and monitoring sensors
- Union of Municipalities of Greece secure the presentation of the system to Greek Municipalities
- Pandemia created new challenges and need for extra services and tools



Obstacles & problems

- The common and usual INTERREG problems
- Municipalities still haven't adopted policies, strategy and mentality regarding providing primary health care
- Technical and technological problems
- “Ownership” of responsibility



Recommendations towards 2021-2027

- It should be national policy whether municipalities will provide primary health care or not
- Connection of Territorial Cooperation Programme to Regional Operational Programmes
- Technical and scientific assistance

Question of the day!

Was the project useful?

Definitely yes!



Thank you very much for your
attention!

Questions are welcome

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