



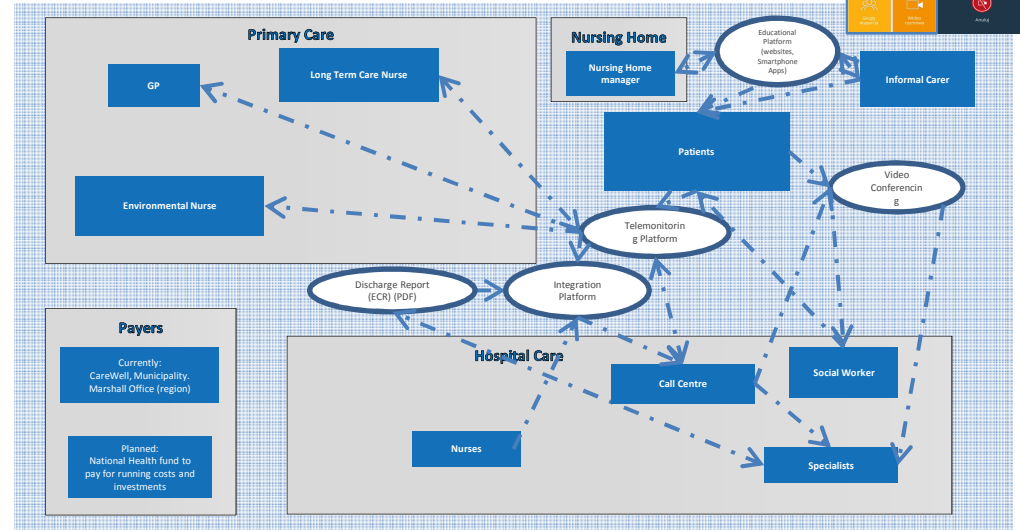
# Mobile Empowerment for CareWell Patients

Antoni Zwiefka<sup>1</sup>, Jarosław Maroszek<sup>1</sup>, Janusz Wróbel<sup>2</sup>, Katarzyna Krajewska<sup>2</sup>, Tomasz Nowak<sup>2</sup>

<sup>1</sup> LSV Marszał Office, wyb. Słowackiego 12-14, Wrocław, Poland

<sup>2</sup> A. Falkiewicz Specialist Hospital, ul. Warszawska 2, Wrocław, Poland

Traditional solutions no longer meet the needs of an aging population. The innovative CareWell Project concept is designed to solve the problems associated with demographic change. The main objective of the LSV pilot site of Project is to compare the effects of telecare, to the current model of care for frail patients. It is a group of people - over 65 years old - with at least two diseases where one of them is either Diabetes or COPD or Hypertension or Heart Failure. To empower such group of patients we have considered a Human-Computer Interaction (HCI) issues for elderly people. It is extremely important in the light of the rapidly ageing population in Poland. In addition, new technology offers great potential for this age group, but it will be useful only in the case it is used effectively by these target users. To overcome the existing barriers, we have developed a very simple mobile application to support patients with short information on the given disease, as well as to contact the Call Center. This mobile tool can empower patients also by social services they have chosen.



Deasease	Number of patients	Mobile Devices	Measurements		
			Daily	Weekly*	Alarms*
Diabetes	20	Glucometer	~40	260	~28
COPD	5	Peakflowmeter Pulse oxymeter	15	105	~7
Hypertension	15	Blood Pressure meter	30	210	~21
Heart Failure	10	Pulse oxymeter Weight scales	30	210	~14

\*Weekly measurements

## References:

- Frączkowski K., Zwiefka A., Zaremba M., Sikora K.: **Patient with Complex Needs - Experience in Implementation of LSV-Carewell Platform**, Proceedings of the Fourth International Conference on Telecommunications and Remote Sensing Including a Special Session on eHealth Services and Technologies (EHST) Rhodes, Greece 17-18 September 2015
- Nizinska A., Zwiefka A., Kozak K.: **Suggestions for the Elicitation of Seniors Involvement in ICT and Socially Innovative Solutions to Tackle IT**, Proceedings of the Fourth International Conference on Telecommunications and Remote Sensing Including a Special Session on eHealth Services and Technologies (EHST) Rhodes, Greece 17-18 September 2015