

eHealth innovation Thematic Network

Scaling up eHealth facilitated personalised health services: Developing a European roadmap for sustained eHealth innovation

The focus of this Thematic Network is the re-architecting of healthcare services towards a patient centric cooperation of actors and the meaningful integration of information, to support dynamic and virtual teams working efficiently and effectively at enabling and empowering patients to play greater roles in their own health and wellness. Special emphasis is put on chronic disease management and integrated care for an ageing population.

Project Summary

eHealth Innovation is an EU-funded Thematic Network (TN) working to develop consensus among stakeholders on required actions to further the deployment of more personalised eHealth services across Europe. Its focus is interoperable eHealth services that can be scaled up across Europe to support health and social care teams to deliver better integrated services, and support patients in managing their own health.

The network, led by UCL Consultants Ltd, involves 22 partners – 20 from 10 Member States and two from Switzerland – representing a broad range of stakeholders including national and regional authorities, industry (ICT and Pharma), nation solution providers, researchers and users (health professionals, patients, healthcare providers and insurers), as well as European and national associations.

The project is examining the challenges that presently limit the widespread availability of patient empowering services, such as market fragmentation, inflexible reimbursement models and the lack of organisational support for self-caring patients. The objective of eHealth Innovation is to identify and examine emerging best practices in how to re-architect healthcare services towards a patient-centric co-operation of actors and the meaningful integration of information. The project focuses on

the systems and services that support dynamic and virtual teams working efficiently and effectively at enabling and empowering patients to play greater roles in their own health and wellness, with a focus on personalised health services and a supportive eHealth infostructure. Special emphasis is put on chronic disease management and care integration for an ageing population, by aiming to identify solutions that enable and empower patients to have more responsibility for their own wellbeing.

Challenges such as market fragmentation and lack of interoperability, lack of legal certainty and insufficient availability of financial support are explored, along with procurement and organisational issues.

Particular emphasis is put on how to articulate the further development, innovation and deployment measures as perceived by various stakeholder and expert groups. Critical success factors for scaling up solutions including the efficient engagement of individuals in managing their health, improved, interactive communication, shared doctor-patient decision support and improved care co-ordination are identified.

Objectives and methodology

Objectives. eHealth Innovation develops consensus among stakeholders and produce a detailed eHealth Innovation report towards making interoperable

eHealth services deployed at large scale in Europe, thereby also supporting patients in managing their health. The resulting requirements for a supportive infostructure and for further innovation measures are further objectives.

The eHealth Innovation TN addresses four main thematic areas:

1) *Chronic disease management for an ageing population*

Work in this area focuses on identification of good practice and innovative solutions, including reviewing different models of sharing care and management decisions with patients.

2) *From integrated care towards co-production of health*

Work in this area focuses on cooperation between patient and health professionals and include topics such as improved information and communication, patients' access to their health data, improved care and care coordination through electronic patient records (EPR), personal health records (PHR) and personal health systems (PHS).

3) *eHealth solutions for patient-centred care*

Work in this area focuses on support for patients in managing their health and includes topics such as Personal Health Systems (PHS), Personal Guidance Systems (PGS, part of PHS), chronic disease management (CDM) and integrated care (IC) that goes beyond contemporary models of chronic disease management. This thematic area focuses on innovative solutions and lessons learnt from implementation.

4) *EU-wide eHealth infostructure*

Focus is put on the need for and creation of a pan-European infostructure (information and knowledge infrastructure) based on and further supporting the development of existing national infrastructures, and facilitating patient care, public health, health research, health education, (self-)health management.

eHealth Innovation TN

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Klinisk Informatiky

European Institute for Health Records

Continua Health Alliance

The University of Manchester

National Institute of Public Health, Rep. of Slovenia

Ministry of Health, France

Dutch Association for primary & integrated health-care

County Council of Uppsala

Royal College of Physicians

European Connected Health Campus

University of Sheffield

AOK Rheinland/Hamburg – die Gesundheitskasse

Government of Catalonia HTA Agency

Czech National eHealth Forum

European Health Telematics Association

European Coordination Committee of the Radiological, Electromedical and Healthcare IT Industry

Universitat Pompeu Fabra

Health Consumer Powerhouse

University Hospitals of Geneva

F. Hoffmann-La Roche AG

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