

InteropEHRRate architecture, protocols and API's

Mid-term public workshop – Part 2

Wednesday, 21 October 2020, 10:00 – 12:00 h (online)

InteropEHRRate - “Interoperable EHRs at user edge” - helps to pave the way towards an open European EHR sharing process. Project partners jointly develop open interchange protocols supporting patient-centred exchange of health records between patients, healthcare actors and researchers.

This workshop invites stakeholders, experts and industry to see first results, demos and plans.

10:00 – 10:05

Opening and Introduction

Workshop Facilitators: Tino Marti, Stephan Schug, EHTEL

10:05 – 10:10

Welcome from the Project Coordinator

Matteo Melideo, InteropEHRRate Project Coordinator, Engineering

10:10 – 10:20

Architecture for decentral health data sharing

InteropEHRRate prepares an open health data sharing process for European citizens and patients. The self-managed EHR exchange supports national and cross-border settings
Francesco Torelli, Technical coordinator, Engineering

10:20 – 10:35

InteropEHRRate D2D Protocol

- D2D enables secure peer to peer exchange of structured health records among Patients and HCPs by means of Bluetooth.
- How a European patient may easily receive electronic health records during a medical visit everywhere in Europe.
- How Health Professionals can access the health history of European patients without the involvement of national Electronic Health Records (EHR) and without the Internet.
- How healthcare providers can share healthcare encounter results and updates to patient summaries with their patients at distance or in a delayed way, without a need for national EHRs or other intermediaries.

Thanos Kiourtis, UPRC Piraeus, Greece

Q&A

10:35 – 10:50

InteropEHRRate R2D Access | Cloud | Emergency Protocols

- Patient's secure access to structured health records across EU exploiting eIDAS and FHIR.
- Encrypted backup for patients and controlled access to health records in emergency for HCPs.
- How healthcare providers can share healthcare encounter results and updates to patient summaries with their patients at distance or in a delayed way, without a need for national EHRs or other intermediaries.
- How patients can securely store their health data on the cloud without disclosing them to the cloud provider or any third party.
- How authorised HCPs may access to health records stored on private clouds in emergency situations.

Alessio Graziani, Engineering, Italy

Q&A



10:50 – 11:05

InteropEHRate RDS [Research Data Sharing] Protocol

- Cross-border sharing of FHIR based health records with research under citizens' control.
- How citizens can control if and when to share some health data with specific research initiatives they approve.
- How researchers can invite any citizen to participate to cross-border research studies and receive trustable health records directly from them.

Gabor Bella, University of Trento, Italy

Q&A

11:05 – 11:20

InteropEHRate Semantic Mapping Tools

- How citizens and health care professionals can consult health records translated in their own languages, and how researchers can query those records, thanks to:
 - A knowledge based representation.
 - Tools used by data scientists to map local data schemas to international medical terminologies and common data formats based on the HL7-FHIR standard.

Simone Bocca, University of Trento, Italy

Q&A

11:20 – 11:55

Panel: Stakeholders' feedback on InteropEHRate approach and impact

Facilitator: Vincent Keunen Andaman7, Liège, Belgium

Panellists:

- [EU Project] Maria Marques, Smart4Health, UNINOVA, Lisbon, Portugal
- [Hospitals] Marta Calvano, IT Clinical Application Manager, UPMC, Italy
- [eHealth Competence Centres] Christof Geßner, Gematik, Germany
- [Technology Industry] Ernest Sarrias Ramis, Cerner, Spain
- [App based Services] Frédéric Lambrechts, OSIMIS S.A., Liège, Belgium
- [Standard Development Organisations] Giorgio Cangioli, HL7, Italy

11:55

Wrap-up / Next steps

- Dr Ceri Thompson, Deputy Head of Unit H3 eHealth, Well-Being and Ageing, DG CONNECT, European Commission
- Matteo Melideo, Project Coordinator, Engineering, Rome – Italy