THE STYRIAN PERSONAL eXray-RECORD

Improving patient empowerment and safety via eHealth technology
Overview

• Acceptance and usage
• Cumulative exposure
• Information service
• **PAtient Leading and mANaging their healThcare through Ehealth**
  - 21 partners / 7 pilots
  - 2011 - 2015

• Main objective: **Patient empowerment via eHealth**

The PALANTE project has received funding from the European Union’s ICT Policy Support Programme as part of the Competitiveness and Innovation Framework Programme under GA No. 297260
PALANTE Pilot 5

- PALANTE Pilot 5: Austrian eXray-Record
  - Integrated into an existing patient portal
  - Styrian Hospital Cooperation KAGes
- Released to the public: October 2014
- As of March 2015
  - 1,400 accesses via the hospital information system
  - 270 accesses from the patient’s home
The Styrian Personal eXray-Record

ACCEPTANCE
AND USAGE
Expectations

• Patients
  – Available cumulative exposure
  – Reduction of unnecessary examinations
  – Improved communication with professionals

• Professionals
  – Quality assurance and improvement
  – Open discussion with patients
  – Reduce radiation anxiety
Evaluation April 2015

• Users are IT and health-savvy
  – higher education
  – young user group
  – health occupation

• User are empowered
  – responsible for own health
  – knew exposures of single examinations
  – are now able to track cumulative exposure with the eXray-Record
The Styrian Personal eXray-Record

CUMULATIVE EXPOSURE

11 - 13 MAY 2015
RIGA, LATVIA
Cumulative exposure

- Data extraction
  - DICOM / PACS / CDA
- Data processing
- Representation
- Integration
Data extraction and processing
Data Representation

- Normalise to a specific examination
- Compare to other radiation types
- Compare to risk of mortal cancer
- Compare to natural radiation
Integration

• Uses the Austrian Citizen Card for authentication
  – High level of safety
  – Access to ELGA’s data (Austrian EHR)
  – Smaller target group
The Styrian Personal eXray-Record

INFORMATION SERVICE
Information service

- Reducing the uncertainty
  - Procedures
  - Devices
  - Exposure units
Information service

https://www.youtube.com/watch?v=oMDTu7jegTg
THANK YOU

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