



WEBINAR SERIES

THE FUTURE OF HEALTH DATA IN THE EU

FROM BURDEN 2 BENEFIT

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Health Data Flow

Data provider

Data facilitator

Data user



Data in



Data out



EHDS & Trustworthy use of high quality, interoperable health data

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Data in



Data out



Data Quality

Transparent – Secure

EHR Digital maturity

Data Flow Data Quality

- Data quality management process:
 - level of maturity of the data quality management processes
 - including review and audit processes
- Data quality as a dynamic complexity
- Obligation to check the data for completeness and accuracy
 - other quality dimensions such as correctness – timeliness – contextualisation
Consistency - ...



Jens Declerck
Data Quality
Manager

DATA FLOW – EHR REQUIREMENTS

Business requirements
and functions

ISO 18308 EHR Architecture Requirements
HL7 EHR Functional Model
ISO EN 13940 Systems for Continuity of Care
ISO EN 12967-1 HISA Enterprise Viewpoint

Information models

EHR Reference Model *openEHR* and EN ISO 13606-1
HL7 Clinical Document Architecture
Clinical content model representation *openEHR* and EN ISO 13606-2 archetypes
ISO 21090 Healthcare Datatypes
ISO EN 12967-2 HISA Information Viewpoint

Clinical knowledge
and content models

Terminologies: SNOMED CT, LOINC, etc.
Clinical models: Archetypes, Templates, etc.
Ontology standards...
Genomic standards...
Metabolic standards....

Computational services
and message models

EHR Communication Interface Specification ISO/EN 13606-5
ISO EN 12967-3 HISA Computational Viewpoint
HL7 SOA Retrieve, Locate, and Update Service DSTU
HL7 FHIR

Privacy and security

EHR Communication Security ISO/EN 13606-4
ISO 22600 Privilege Management and Access Control
ISO 14265 Classification of Purposes of Use of Personal Health Information
ISO 27789 EHR Audit Trails

EHR interoperability
EEHRxF
EU EHR exchange
format

eSource Readiness

EDHS

EHR
Essential
Requirements

Data collected in
quality

Health Data Flow

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Building Digital Trust

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Data Flow Certification - Governance

Data provider

Data facilitator

Data user

Building Digital Trust

EHDS & Certification Data Governance & link and interaction with GDPR regulation

- **EHR**
- **Controller – Processor**
- **Quality of the Data Governance**
- **Secure processing environment**
- **Transparency – accountability – Data protection**



RESPONSIBILITY



THANK YOU

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