Medical Document Formats

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Medical Document Formats and their role in standardization

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Technology

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Foundations

Patient health

Confidence in globally uniform market access

Patient safety

Workplace safety

Why: Patient Care, Financing of Care, Health Technology Assessment & Monitoring, Population Health

What: Reporting, Reimbursement, Clinical Trials, Epidemiology & Incident Statistics

How: Communication, Architecture, Format, Content

Medical Document Formats: International Standards

DICOM

Patient-centric containers for images and notes

HL7

Reference Information Model, representation in XML

CDA – Clinical Document Architecture, in *Continuity of Care Docs*

clinical note as header & body; refers to free text plus structures

IHE XDS

A Pull-On-Demand server/registry architecture based on ebXML (UN)

ISO EN 13606 Archetypes & EHR

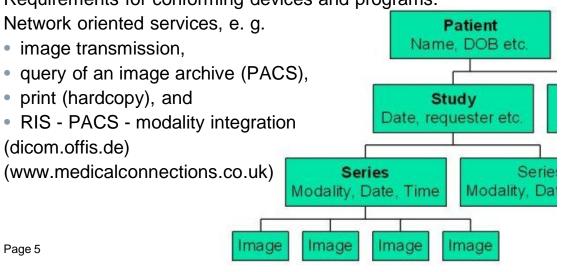
A semantic modelling platform and health record container structure

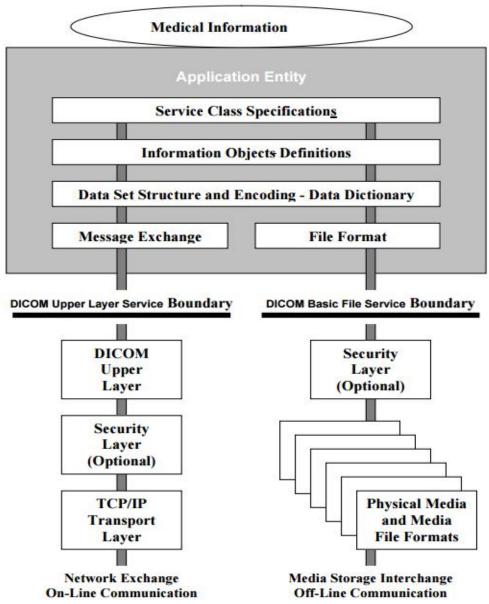
Medical Document Example: DICOM

Digital Imaging and Communications in Medicine

26 workgroups for various medical imaging topics started as ACR / NEMA f/c license model with RAND terms "printed edition with 20 chapters is one yard"

"Data structures (formats) for medical images and related data, Formats for storage media exchange, and Requirements for conforming devices and programs."





Quality Aspects of Medical Documents

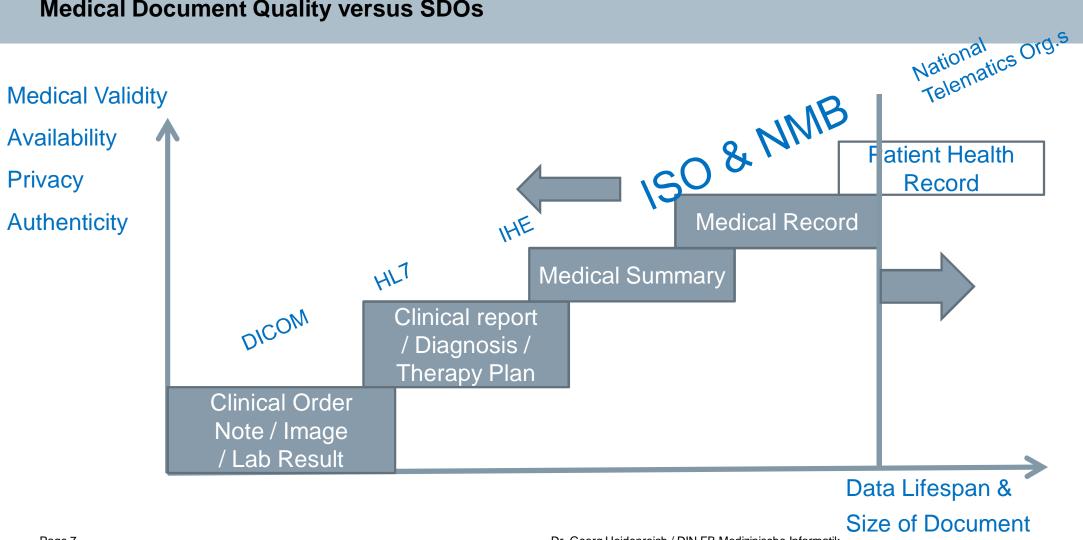
Medical validity data is relevant and correct

Availability will data be there ? (time, location)

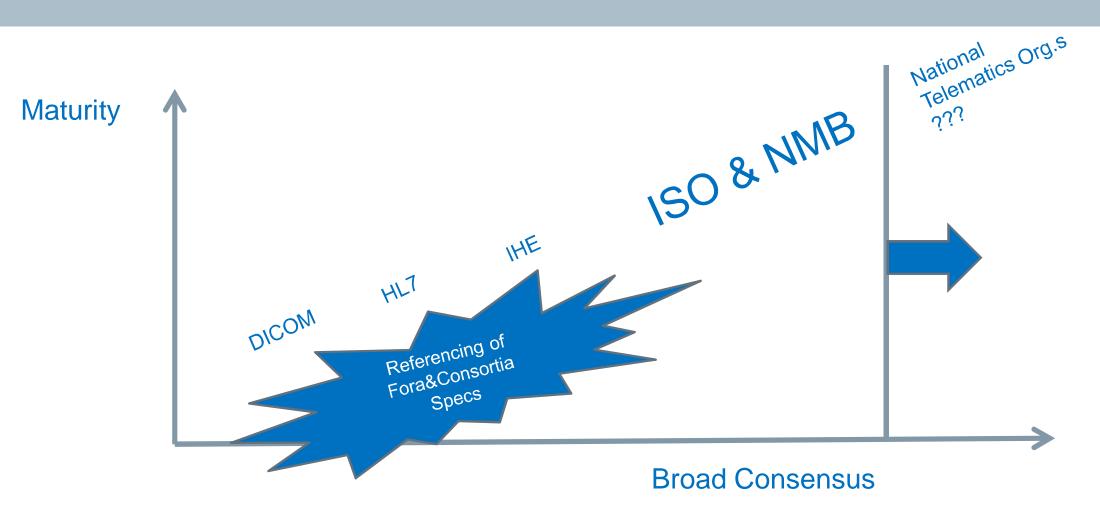
Privacy who can see my data?

Authenticity the right patient, the real data

Medical Document Quality versus SDOs



Medical Document Formats



Roles in Standardization

Basis for standardization

- user consensus
- confidence among market-players
- stability

Fora/Consortia

stability?

Authorities

- market needs?
- user consensus ?
- international harmonization?

ISO and NMB systems can deliver, if

- each stakeholder contributes
- projects do support specific use-cases

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