

# Collaboration on standardisation «Memorandum»

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## Various processes with different target groups

- **Treatment process (eHealth):** Collaboration between health professionals with (or without) the involvement of patients
- **Government process (eGovernment):** Collaboration between authorities and their target groups in the health sector.
- **Billing process:** Reimbursement of services between health professionals and payers

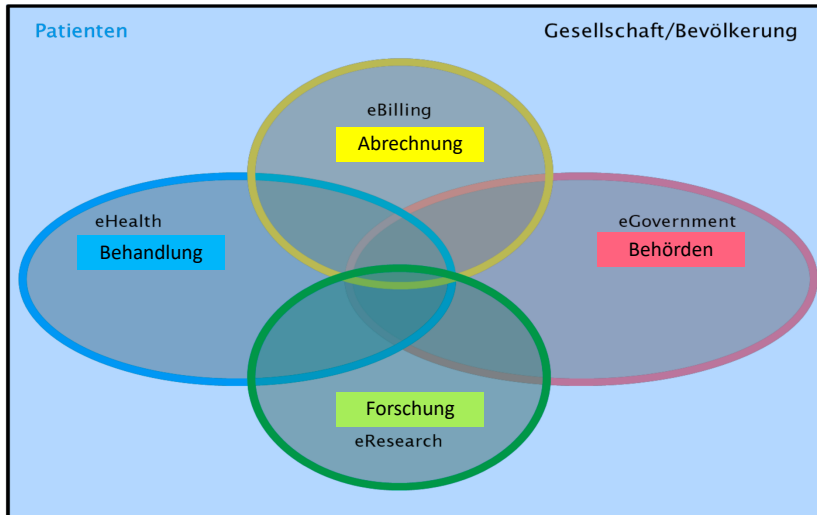


Research

## Processes (data flows) in the healthcare system (not complete)

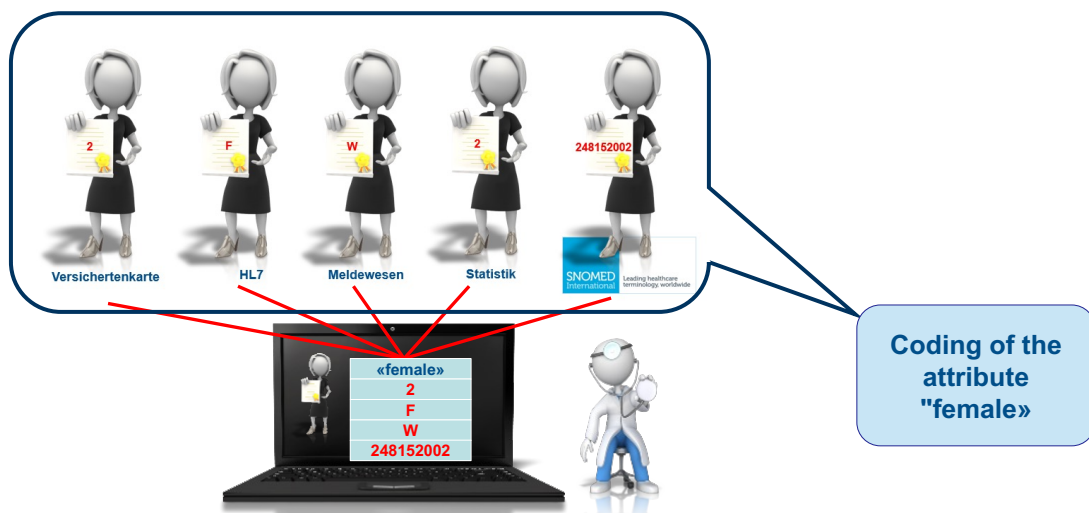
Behandlung / eHealth	Abrechnung / eBilling	Behörden / eGovernment	Forschung / eResearch
Rezept	Leistungsabrechnung	Strukturdaten Arztpraxen und Ambulatorien (MAS)	Swiss Personalized Health Network (SPHN)
Medikation	Kostengutsprache	Statistik Sozialmedizin (SOMED)	Forschung Apotheken
Impfungen	Information zu Rahmenbedingungen	Statistik Hilfe & Pflege zu Hause (Spitex Register)	Klinische Forschung
Allergien	Vertrauensärztlicher Dienst	Medizinische Statistik der Krankenhäuser	Health Management Studien
Austrittsbericht	Kodierprüfung	Patientendaten Spital ambulant	Health Policy Studien
Zuweisung		Vollzug KVG	Pharma Studien
Berichtstransfer		Kosten und Leistungsdaten	Klinische Studien Pharma
Medizinische Kollaboration		Fallkostenstatistik	
Labor: Auftrag und Befunde		Krebsregister	
Radiologie: Auftrag und Befunde		Geburtenstatistik	
Termine / Anmeldung / Check-in		Statistik der Todesursachen	
Qualitätsfragen			
Telemonitoring			
Pflegepläne			
Patientenverfügungen			
Organspenden			
Consent Management			
Versichertenkarte			
Verzeichnis Leistungserbringer			
Verzeichnis PatientInnen			

## Different areas - but with overlaps

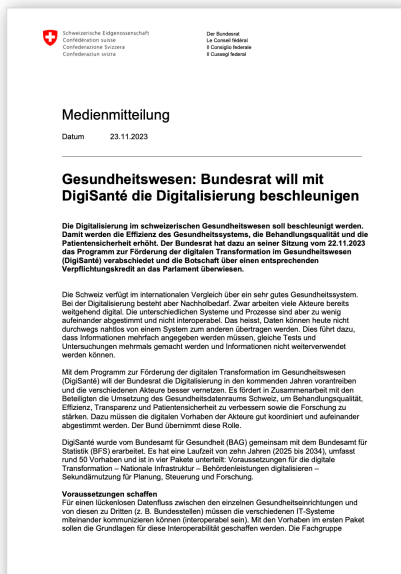


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## But: No national coordination



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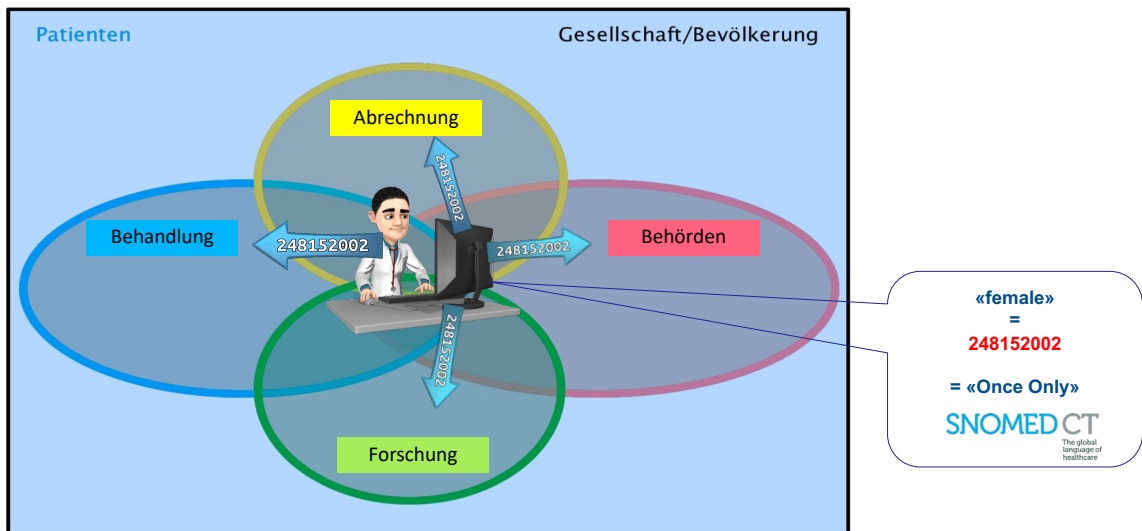
## Die Umsetzungspakete des Programmes

DigiSanté umfasst voraussichtlich rund 50 verschiedene Vorhaben, die darauf abzielen, die digitale Transformation im Gesundheitswesen zu fördern. Die Vorhaben weisen teilweise Abhängigkeiten auf, was die Komplexität des Programms erhöht. Sie reichen von Rechtssetzungsvorhaben über Softwareentwicklung bis hin zur Entwicklung von national abgestimmten Vorgaben für die Standardisierung. Es handelt sich um Vorhaben, für die bereits Aufträge von Volk, Parlament oder Bundesrat bestehen. Die Vorhaben werden in vier Massnahmenpaketen zusammengefasst.

...nationally coordinated guidelines for standardisation...



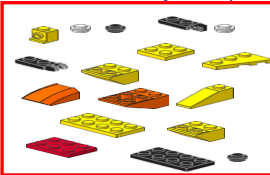
## Possible example: Coordinated coding of 'female'



# What is meant by 'standards'?



**Basic standard:** Fundamental standards with a very high degree of dissemination and maturity (e.g. Internet protocols, XML).



**Standard framework:** Standards with a high degree of distribution and maturity in a domain (e.g. healthcare), which are prepared for individualisation for specific use cases and enable corresponding extensions and specialisations (e.g. FHIR).



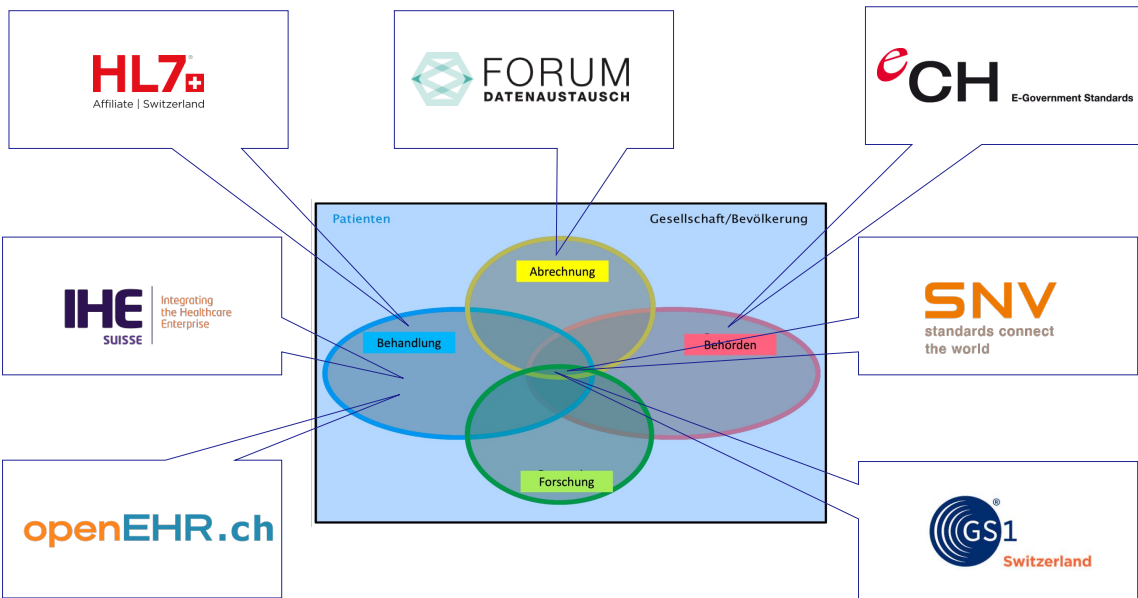
**Standard in use:** Standard in a domain with a high degree of specialisation, typically for individual use cases with defined syntax and terminology (e.g. national FHIR Implementation Guides, eCH standards).



TCP/IP, http, UTF, XML, JSON, ...

Snomed CT, FHIR, OAuth, SAML, ...

FHIR CH, eCH, ...  
Forum Datenaustausch





## Specifications in the EPR → “Standard in use” based on “Standard Frameworks”



**SNV**  
standards connect  
the world

- IHE Profiles
- Swiss XDS Metadata
- National Integration Profiles
- General XSD Schemas
- eCH (UPI)
- Electronic Authentication Means and Their Issues
- Exchange Formats (according to Annex 4 EPRO-FDHA)
- Other Exchange Formats (not regulated in Annex 4 EPRO-FDHA)
- Link to Specifications
- Annexes to the EPRO-FDHA:



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HL7 liefert in erster primarily provides specifications for medical data and information that can be transported using various communication protocols.

eCH promotes, develops and adopts standards in the field of eGovernment for digital collaboration between public authorities, companies and private individuals.

The "Forum Datenaustausch" promotes the digital exchange of data between service providers and payers in the administrative healthcare sector

IHE does not define its own standards, but publishes profiles that show how standards can be used for interoperable data exchange in the healthcare sector.

GS1 is a network of not-for-profit organisations that develop, negotiate and maintain standards for cross-company processes worldwide.

The SNV is a full member of the International Organisation for Standardisation (ISO) and the European Committee for Standardisation (CEN).

openEHR is an open specification that describes the management, storage, retrieval and exchange of health data in electronic health records.



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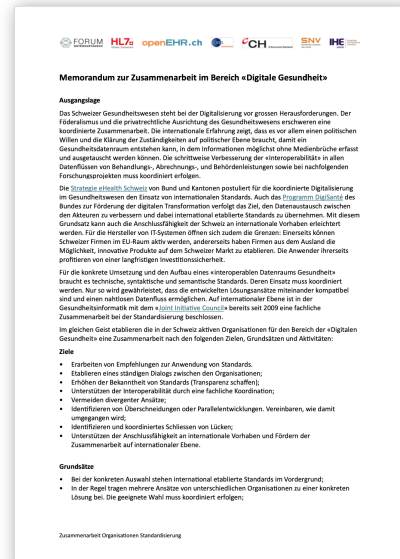
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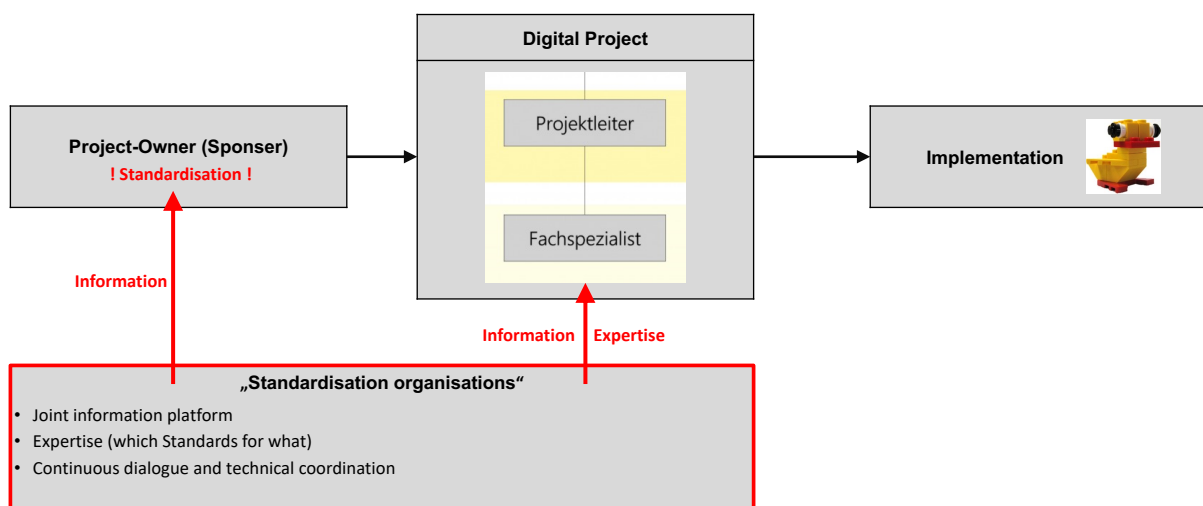
## The main objectives of the cooperation

- Preliminary remark: No signed «agreement» but a «Memorandum» on the form and content of coordination.
- Development of recommendations (application of standards).
- Establish a permanent dialogue among each other.
- Increase awareness of standards (transparency).
- Avoid divergent approaches.
- Identifying overlaps or parallel developments. Agree on how to deal with this.
- Identifying and coordinated closing of gaps.



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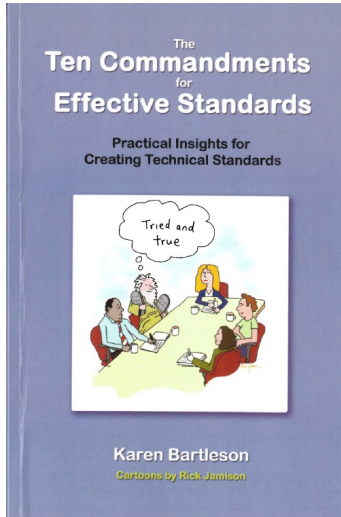
## What does this mean for digital projects



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## The 10 commandments of standardisation

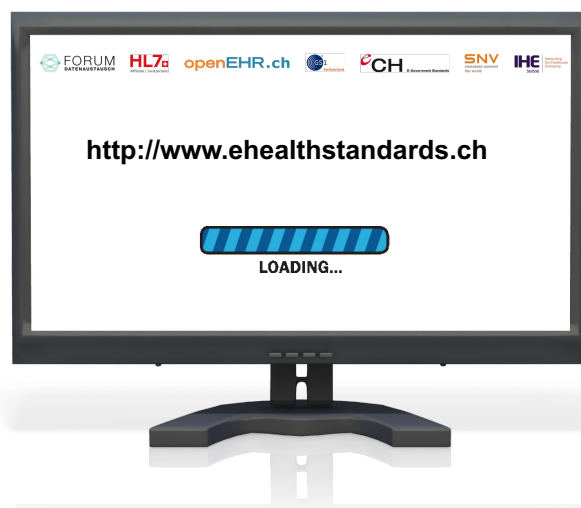


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<b>The First Commandment: Cooperate on Standards, Compete on Products .....</b>	<b>19</b>
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The first commandment:  
"Cooperation on standards, competition on products".



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