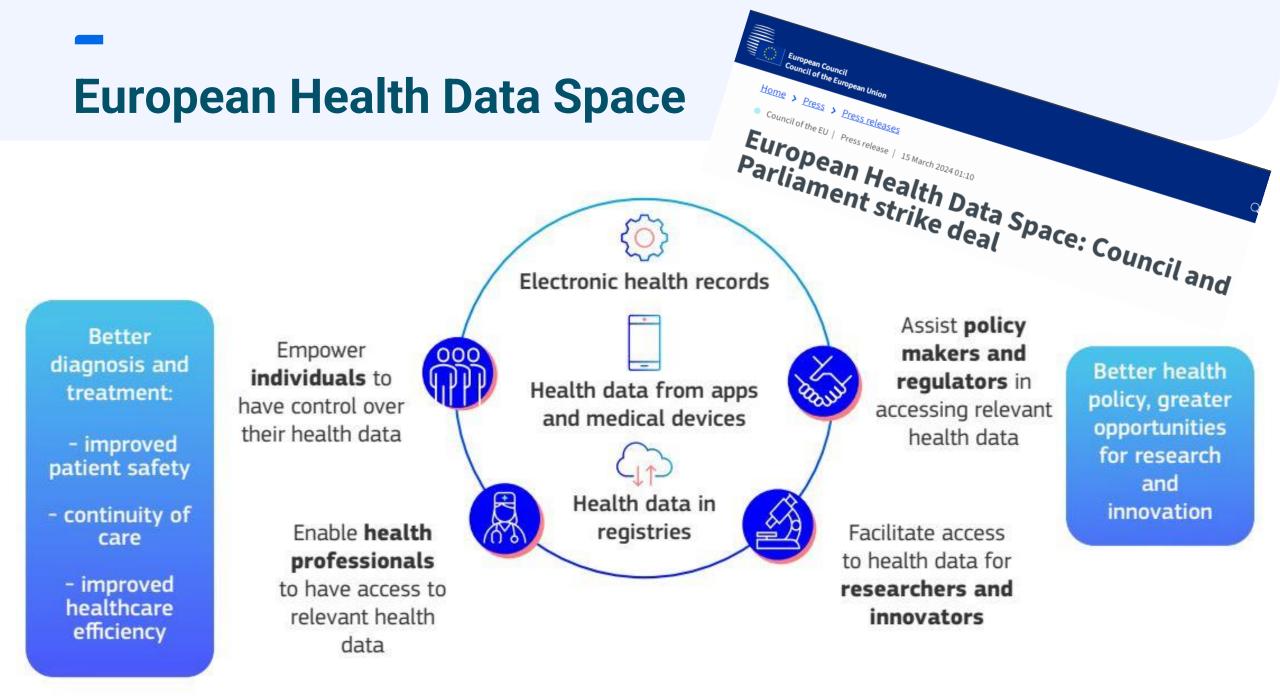


Standardization activities in Europe

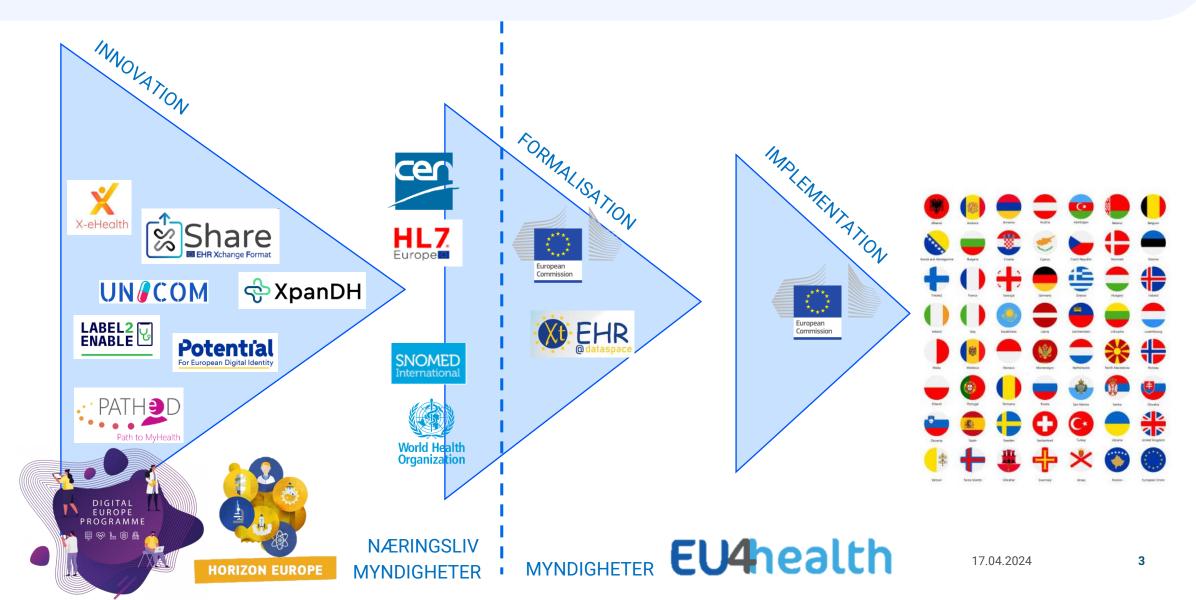
...and how does this affect the use of eHealth standards in Norway?

FHIR Fagforum 17. april 2024

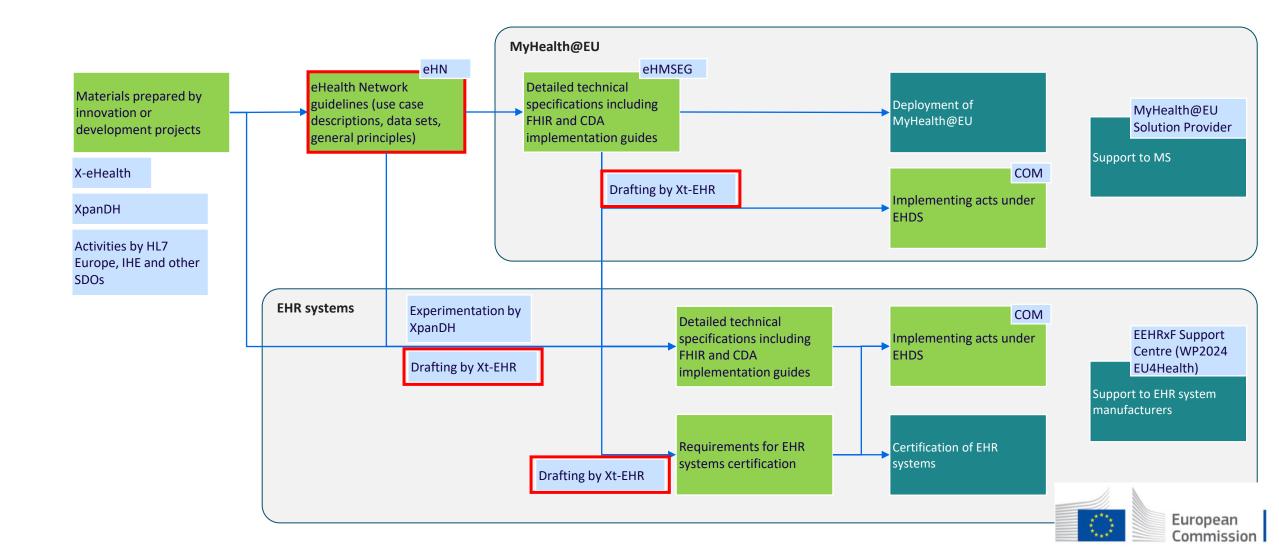
Kerstin Engelhardt and Mari Svardal



Development of eHealth specifications in EU-funded projects



Development of eHealth specifications at EU-level



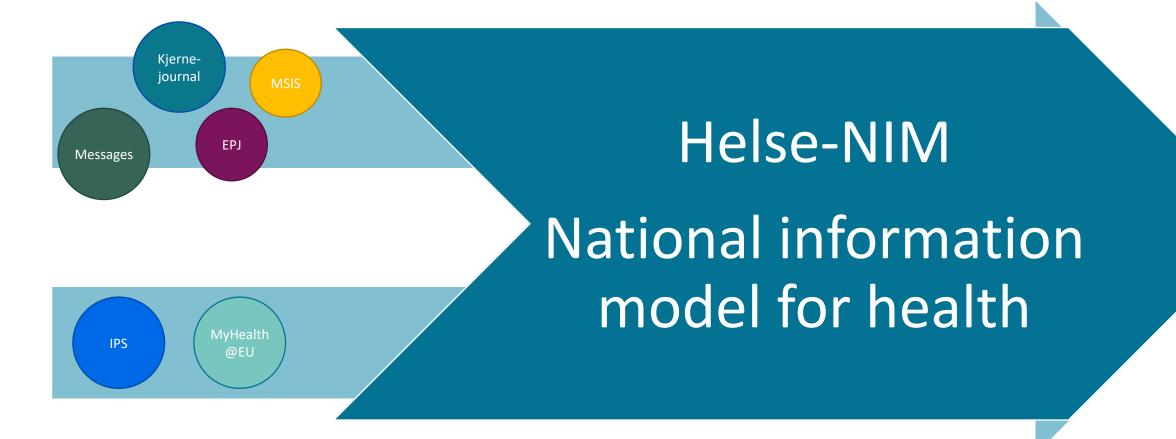
Our role as public authorities



Participate and contribute to development of international standards / specifications

Improve standardisation and interoperability within Norway

How do we combine what's happening in Norway with what's happening in the EU?



17.04.2024

Experiences from other countries



U.S. Core Data for Interoperability (USCDI)

- Information models
- Code systems / Terminology
- Sorted by Applications and Main Areas

USA



NHS – Pathology

•

- High level Information model
- Mandatory code systems
- Exchange format FHIR

ZIBS - Zorg informatie bouwstenen

- Information model in table
 form
- Code systems and value sets
- Technology independent
- Referance to FHIR profiles

The Netherlands



MIO – Medical information objects

- Logical information models
- Code systems/ terminology
 and value sets
- Referance to FHIR profiles

Germany

UK



- A Helse-NIM is a high-level national information model for health
- Merge international demands and safeguarding national needs
- For healthcare personnel
- A response to growing needs in the Norwegian health sector for faster development of standards and normative guidelines
- Objective: create a predictable framework and contribute to innovation and business development

- Prepare information models
- for various areas where either
- the area is not digitized today or
- the digital solutions that exist are differently
- structured **or**

What do we do in a Helse-NIM?

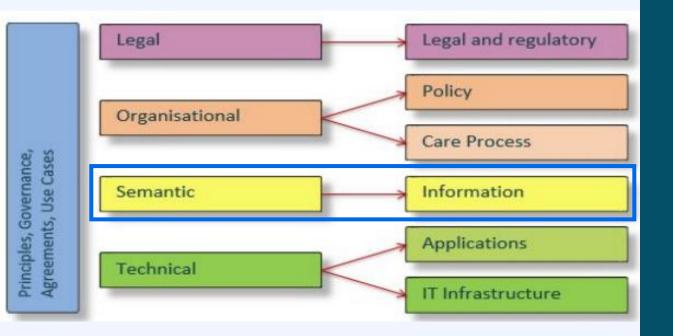
- there will be new international requirements for the information to be shared
- We try to find out which

information needs are

common, regardless of what the information is to be used for and in what context



- Maternity health record
- Smoking status
- Administrative variables for health records and registries
- Critical information
 - Problems:
 - Infections
 - Critical medical conditions
 - Complications of anesthesia
- Current treatments / implants
- Allergies and intolerances
- Advanced directives

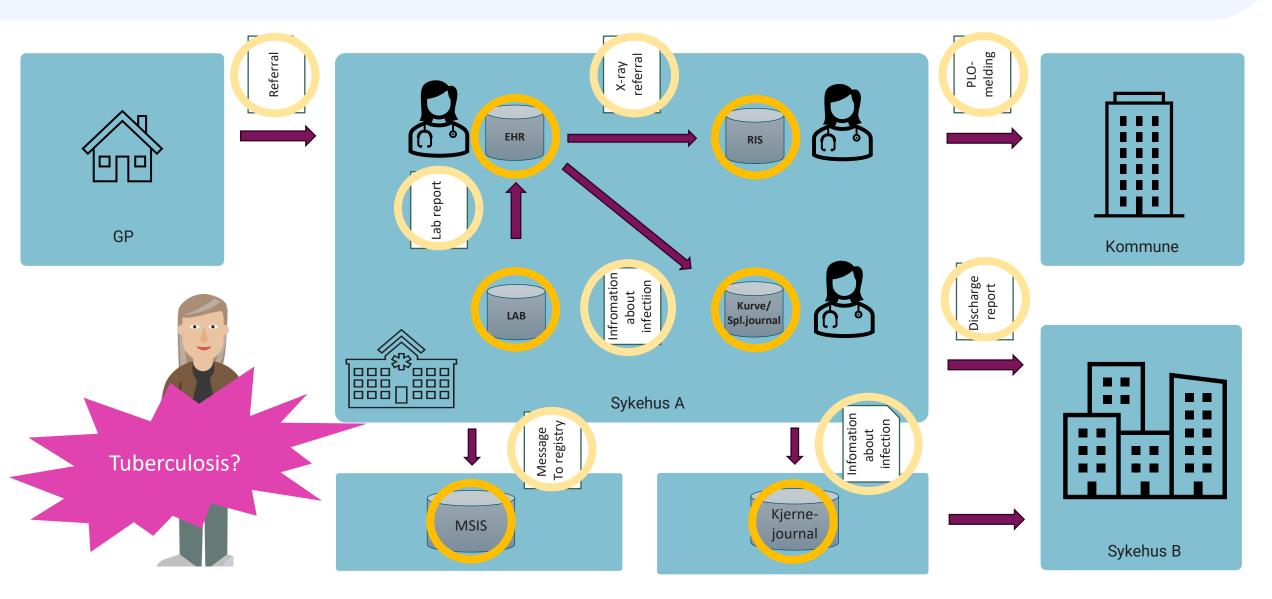


In a Helse-NIM, we only look at semantics

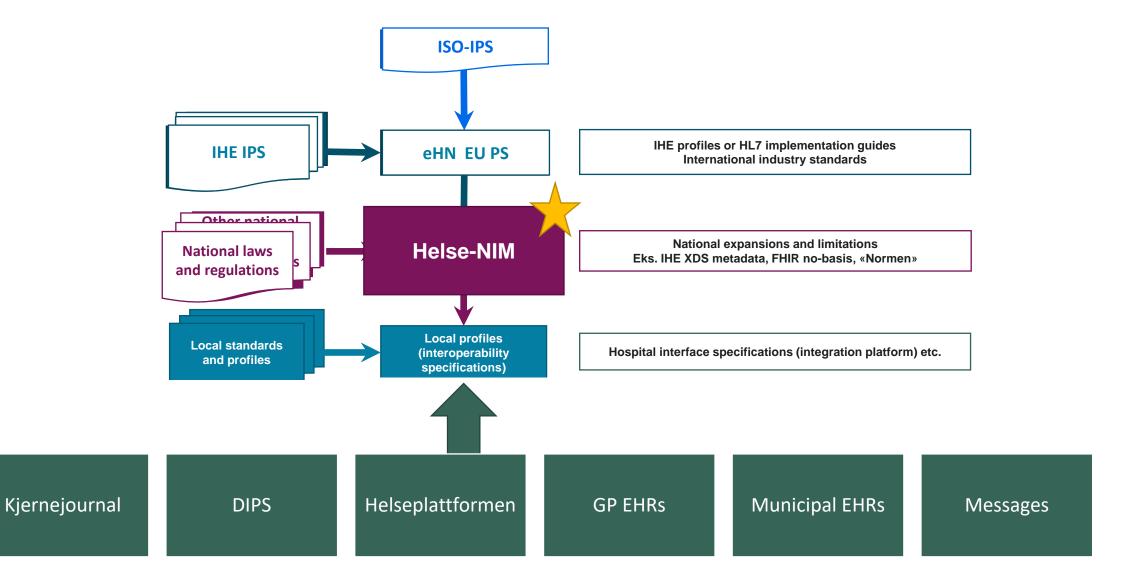
• We look at

- which information elements are common
- which definitions, codes and / or terminology can cover clinical needs
- This means that we do not look at what is required legally, organizationally and technically to share information within and between businesses
- We are not looking at how this will be technically implemented in specific solutions, such as electronic health records systems (EHR) or kjernejournal

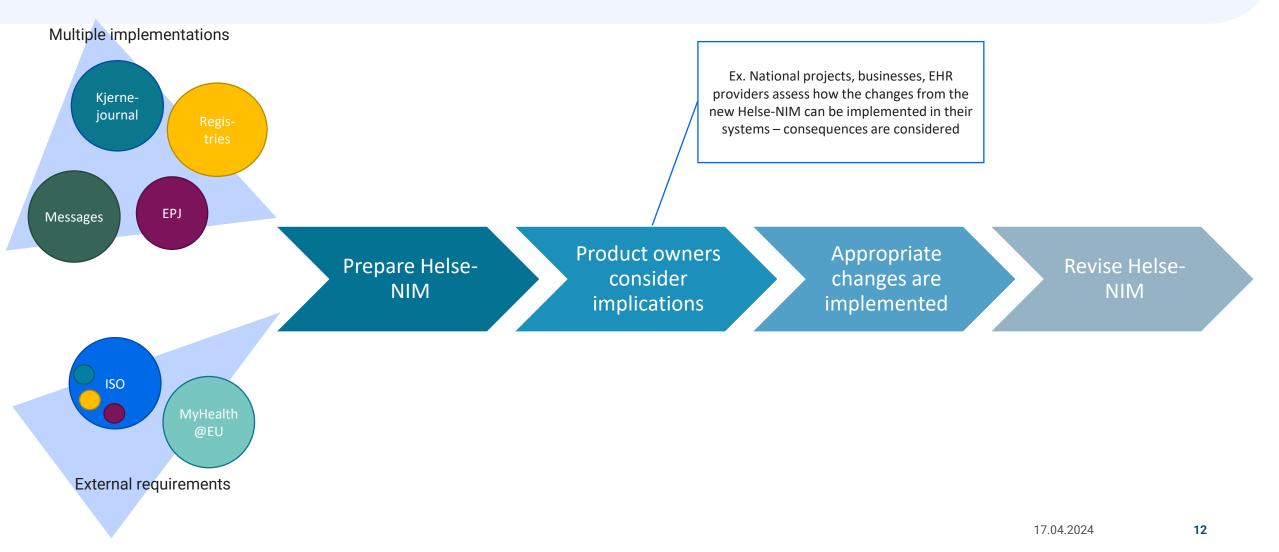
Helse-NIM must take into account many areas of use



How does what we do in Norway relate to international standards?



Our strategy



Why only high-level information models?

Helse-NIM:

- addresses the "difficult" questions about code systems / value sets
- Focuses on the content of meaning in health information
- Provides a broad process with strong involvement of clinicians - without going too much into the technical details
- Is stable across FHIR versions
- Can just as easily be used for other technical implementations such as OpenEHR or proprietary data models

