Nordic openEHR Collaboration Meeting

Tuesday December 5th 13:00-15:00 CET
Remote meeting through Teams
Agenda

• 13:00 - 13:05 Welcome
• 13:05 - 13:55 Presentations
  • *The Implementation guide creation process in Sweden*
  • *Implementation of the Swedish Attention Information in openEHR*
  • *Innovation projects related to openEHR in Sweden*
• 13:55 - 14:05 Break 📍
• 14:05-14:55 Round table discussions where participants can share what they are working on now or any other relevant information related to openEHR in the Nordics
  • *Please consider before the meeting if you would like to mention something*
• 14:55-15:00 Good bye
The Implementation Guide creation process in Sweden

Emma Molin
Agenda

- Purpose of implementation guides
- Creation process
  - Current status
  - Upcoming work
Purpose of implementation guides

• The models in openEHR are intended to be used globally and usually have features that cover a variety of national needs if used wisely.

• To suit laws and practices of a particular country, it may be necessary to agree on **how** to use the models to meet national requirements.

• This should be done in a common way so that different vendors and healthcare providers do the same and can more easily reuse applications, reuse software modules and exchange data.
Creation process
Current status

• Started by creating implementation guides for the following:
  • Patient data law (PDL)
  • Attention information
• Agreed on some common information in the implementation guide such as:
  • Status (DEV, TRIAL, STABLE)
  • Version history
  • Background about the field
  • Attachment containing information about the working group
• Created recommendations for usage of MUST, MUST NOT, SHOULD, SHOULD NOT, MAY
Creation process
Upcoming work

We have already identified more fields where an implementation guide would be useful, such as the following examples:

- Drains and catheters
- Care processes
- Attestation
Creation process
Upcoming work

Review content of the implementation guides

- What does it take to make an implementation guide “official”?
  - What is the process?
- Making sure we are consistent in our guides
  - Defined headlines
  - Writing conventions
  - Clear recommendations (MUST, SHOULD, MAY etc.)
  - How do we handle references?
  - How do we handle attachments?
Creation process

Upcoming work

- Decide on and document
  - how to package and publish implementation guides
  - the creation and approval process for implementation guides
  - how we handle English translations
Implementation of the Swedish Attention Information in openEHR

Claudia Ehrentraut
Agenda

• Attention information in Sweden
• Working group
• Presentation of template
  • Used archetypes
  • Demo
• Content of implementation guide
Attention Information in Sweden*

- Swedens National Board of Health and Welfare (NBHW) has developed an **information specification for attention information** which contains a nationally agreed description of attention information.
- The information is
  - structured based on the national information structure and national information sets
  - expressed with uniform terms and associated codes from the Swedish version of Snomed CT and the ICD-10-SE and ATC classifications
- The information should serve as a basis for the implementation of attention information in healthcare information systems

* The information on this slide is a direct translation of the NBHW’s description of the information specification for attention information on Uppmärksamhetsinformation - Socialstyrelsen
Working group

• Formed in 2022
• Consists of representatives from several stakeholders (mainly the Swedish regions and healthcare information system suppliers)
• Aim is to create
  • a template and
  • an associated implementation guide
• Approach
  • Base work on NBHW’s information specification for attention information
  • Take the work done in Norway into account, i.e., the template Kritisk informasjon i Kjernejournal
Presentation of template

Used archetypes

- COMPOSITION health summary v1
- SECTION adhoc v1
- EVALUATION adverse reaction risk v2
- EVALUATION precaution v1
- CLUSTER medication v2
- CLUSTER medical treatment category v0
Presentation of template
Demo
Content of implementation guide

• Description of attention information as defined by the NBHW

• Recommendation for implementing attention information in openEHR, including:
  • description of the created template and used archetypes
  • mapping between classes/attributes in NBHW’s information specification for attention information and the used archetypes
  • logic that isn’t expressed in template
Innovation projects related to openEHR in Sweden

Åsa Skagerhult
Innovation projects related to openEHR in Sweden

• Vinnova, the Swedish innovation authority, has funded 3 innovation projects with the aim to enhance health data management (30 MSEK each over 4 years, 2024-2027)

• One of the projects is coordinated by Region Östergötland
  • Project goal is to
    • Show spectrum of benefits with using international open informatics standards – mainly openEHR, but also Snomed CT and FHIR
    • Act as a role model for other actors in Sweden
  • Participants are Cambio, Linköping university, PredictMe, Region Uppsala, Karolinska university hospital, Region Kalmar and Region Jönköping
ASHA – Region Östergötland’s project

• Burn injuries application
  • Feral system with quality issues
  • All-in-one: EHR, quality registry, research db

• Breast cancer process support
  • Surgery, cytostatics, pathology, overview for multidisciplinary conferences

• Quality register ecocardiography
  • 4D protocol

• AI-based app for prediction of lung diseases
  • Feed with textual health data as complement to image data

1 Cambio Platform (openEHR) + University research db (AIDA data hub)
2-6 Subprojects on different use cases
Round table discussions
Round table discussions

- Norway
- Finland
- Sweden
Sweden
About openEHR Sweden

• Working group under the Swedish Association for Medical Informatics (SFMI)
• Open group where representatives from different actors in Sweden participate, including regions, healthcare information system suppliers and government agencies
• Everyone who wants to contribute with their knowledge in the clinical domain, informatically, or otherwise participate is welcome
• Work is held together by two product owners
• Work is done in Swedish
Sweden
Ongoing work in openEHR Sweden

• Creating templates via local initiatives for
  • Drains and catheters
  • Recommended treatment (Cancer theme)
  • Treatment decisions (Cancer theme)
  • Prescription of medical oncology treatment
  • Administered medical oncology treatment
  • Request (Breast Pathology)
  • Result report (Breast pathology)
Sweden
Ongoing work in openEHR Sweden

• Translating, creating and further developing archetypes via local initiatives
  • Translations into Swedish
    • Medical device
    • Laboratory archetypes
  • New development
    • Information on drug regimens
    • Information on clinical trials
  • Further development
    • Anatomical_pathology_exam
**Sweden**

**Ongoing work in openEHR Sweden**

- Developed Swedish definitions for archetype and template together with the Swedish eHealth Agency
- Creating implementation guides for
  - Patient data law (PDL)
  - Attention information (see separate presentation)
- Creating and documenting processes
  - Document process of translating archetypes and process of reviewing translations
  - Set process and structure for implementation guides (see separate presentation)
Sweden
Ongoing work in openEHR Sweden

• Involved in procurement activities
  • Joint request for information (RFI) for openEHR platform and tools
  • Joint requirement bank for openEHR platform and tools

• Responded to discussion paper “Roadmap for a national digital infrastructure for health data based on standards” initiated by the Swedish government

• Created LinkedIn channel to strengthen our external communication
  openEHR Sverige: Company Page Admin | LinkedIn