The Swedish National Medication List

Emmeli Gross, Swedish eHealth Agency
Who am I?

• Emmeli Gross
• Solutions Architect, Swedish eHealth Agency
The Swedish eHealth Agency

Formed in 2014

What does the Swedish eHealth Agency do?
• Coordinates the Swedish government’s e-health investments
• National registry for Swedish e-prescriptions
• Provides national medical statistics
• Develops the Swedish National Medication List
• ...

The Swedish National Medication List

• The Swedish national medication list is a digital service for all health care staff, pharmacists and patients.

• It provides patients, care providers, healthcare staff and pharmacists with the same information about a patients’ prescribed and dispensed medicine.

• The service aims at improving patient safety nationwide.

• External systems connect to the national medication list through API:s
Prerequisites

• In May 2021, a new piece of legislation comes into force.
• Access to the service will begin May 2021, and full participation by healthcare staff and pharmacists will be mandatory by May 2023.
• Participation in the national medication list will be mandatory for pharmacies and prescribers of medicine.

• ~50 systems are connected to our APIs
Technical shift and challenges

• Today’s situation: SOA with WebService and SOAP
• National medication list: RESTful FHIR API

• External systems will gradually start connecting to the National medication list
• Shift to a new technology and a new paradigm

• A lot of old services remain. External systems need to use both RESTful/FHIR and SOAP/WebServices.
Adopting FHIR challenges

• Interpretation of the intention of resources, elements, codes etc
• Internal understanding of the FHIR and RESTful standards
• Profiling. ”Try not to be special”, API usability...
• Documentation, parts in English and parts in Swedish, Simplifier, internal handbook, FHIR website ...
Future

• Continue to apply FHIR on existing APIs
• Further develop FHIR mechanisms
  • Validation
  • Provenance resource
  • Versioning (FHIR version, resource version, release version, profile version…)
  • ...

Contact

• During DevDays, you can find / reach me here:
  • Via Whova App – Speaker’s Gallery
  • Email: emmeli.gross@ehalsomyndigheten.se
Q&A

• Any questions?