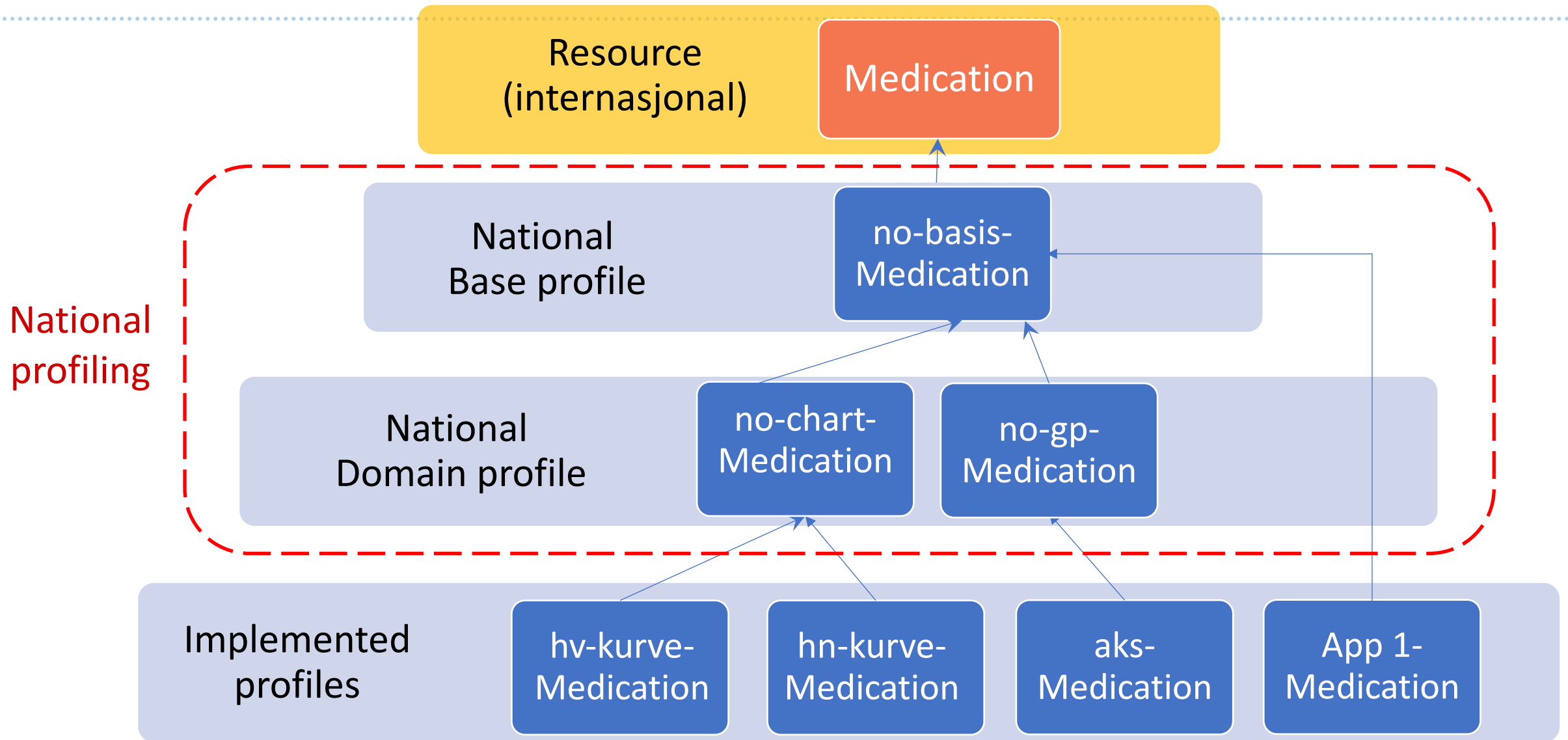


Affiliate presentation - Norway

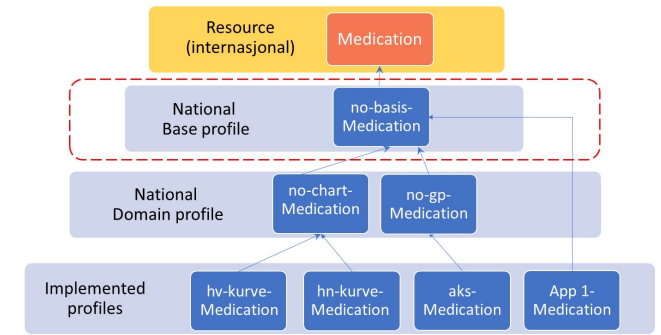
Øyvind Aassve
Lisbon WGM February 13th 2025

National framework for FHIR profiling



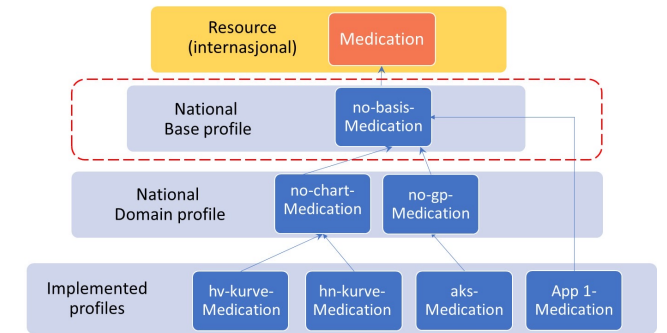
National base profiles (no-basis)

- Fundamental adaptations of international resources to *national* context – independent of use case
- Include restrictions that are *unique to Norway*
 - National identifiers and coding requirements
 - Common national extensions
- No use of «must-support»
- Prioritization driven by concrete needs in actual projects

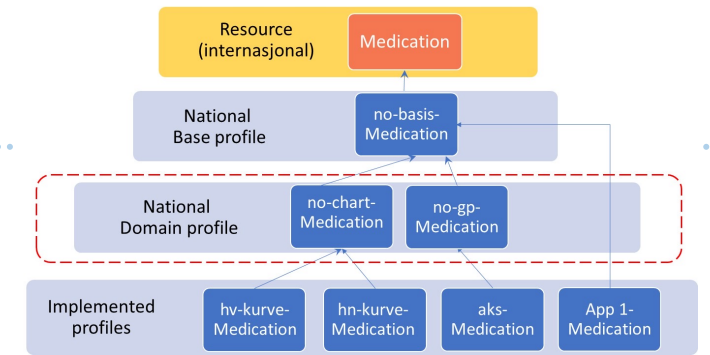


Approved National base profiles (feb 2025)

- Appointment
- AppointmentResponse
- AllergyIntolerance
- AuditEvent
- Composition
- DocumentReference
- Endpoint
- HealthCareService
- Location
- Medication
- MedicationStatement
- Organization
- Patient
- Person
- Practitioner
- PractitionerRole
- Procedure
- RelatedPerson
- Substance



National domain profiles (no-domain)



Definition:

A national domain profile adapts international resources for a specific use case. A national domain profile shall represent information structures that can be reused across implementations for the defined use case. A national domain profile can be used directly or profiled further for use in specific implementations.

Building an ecosystem

Vendor oriented?



National oriented?



International oriented?



If possible, domain profiles derived from international IGs:

- Clinical interoperability needs not particular to Norway
- Resource effective (draw on international efforts, experience and expertise)
- Facilitate interoperability with international vendor market
- Facilitate interoperability across national borders

Relevant International reference IGs and specifications

- FHIR-specification (for example Vital Signs)
- **EHDS-specifications Implementation Guides**
- FHIR Point-of-Care General IG (Medical PoC-devices)
- FHIR Personal Health Device (personal devices)
- HL7 Accelerator programs (ex mCode/ CodeX, Gravity, Vulcan)
- FHIR-profiles from IHE (Integrating the Health Enterprise)
- openEHR (basis for some extensions)
- Argonaut/ US Core

Next up: FHIR Observations Vital Signs

- No-domain- Vital Signs Observations. Includes:
 - been through review in TSC
 - coded attributes from openEHR archetypes (ca 100 attributes for example cuff size, body position).
 - mapping of LOINC magic values to SNOMED CT has been challenging – and resulted in substantial delays.
- No-basis- Vital Signs Observations
 - Very close to FHIR specification.

EHDS

- EHDS IGs expected to be handled as prioritized international IGs in no-domain-profiles.
- We have not discussed any possible consequences between HL7 Europe's base/core-profiles and national base profiles.
 - Want to avoid more than two levels of referenced profiles (no-basis, eu-core, eu-ehds).

Questions?

10 principles for national domain profiles

1. The use-case for the domain profile should be clearly defined
2. Domain profiles should be based on national base profiles where they exist
3. Profiles should describe requirements for reuse for the use-case
4. Domain profiles should follow national method for domain profile development
5. Domain profiles are independent of integration architecture (API, message, document)
6. Domain profiles should be based on relevant international references
7. Use of «must-support» should be explained in each profile
8. Domain profiles can describe optional national extensions
9. Domain profiles names should have a no-domain- prefix
10. Domain profiles should be published with an Implementation guide

Process – view from an implementation project

