Norwegian Medical
Products Agency

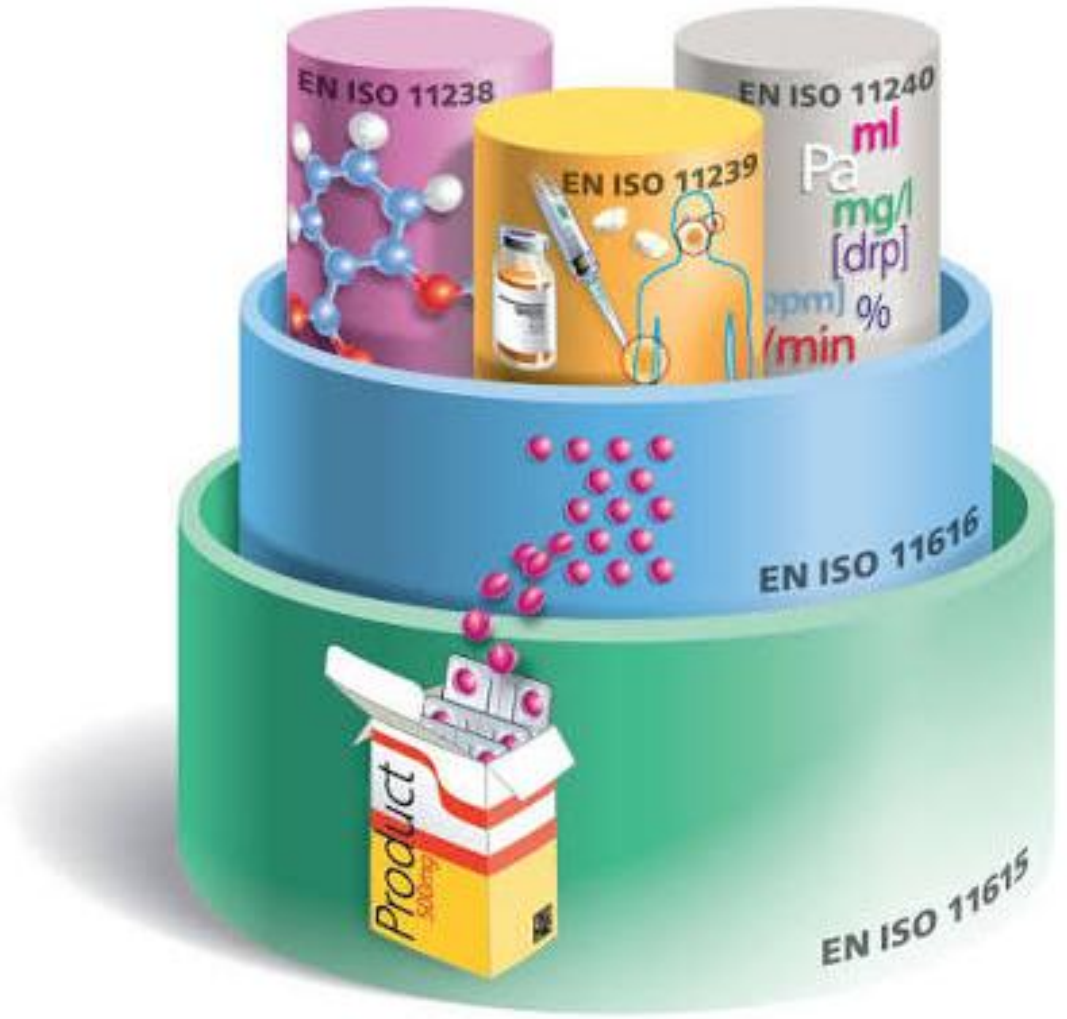
ISO IDMP-based Medicinal Product Dictionaries

– Safe exchange of patient medication data

Norwegian FHIR Hackathon
Oslo, 9 November 2026

What is IDMP?

- A set of five standards for “the unique identification and exchange of medicinal product information”
  - 11615: Data elements and structures for Medicinal Products
  - 11616: Data elements and structures for pharmaceutical products
  - 11238: Substances
  - 11239: Dose forms, units of presentation, routes of administration
  - 11240: Units of measurement

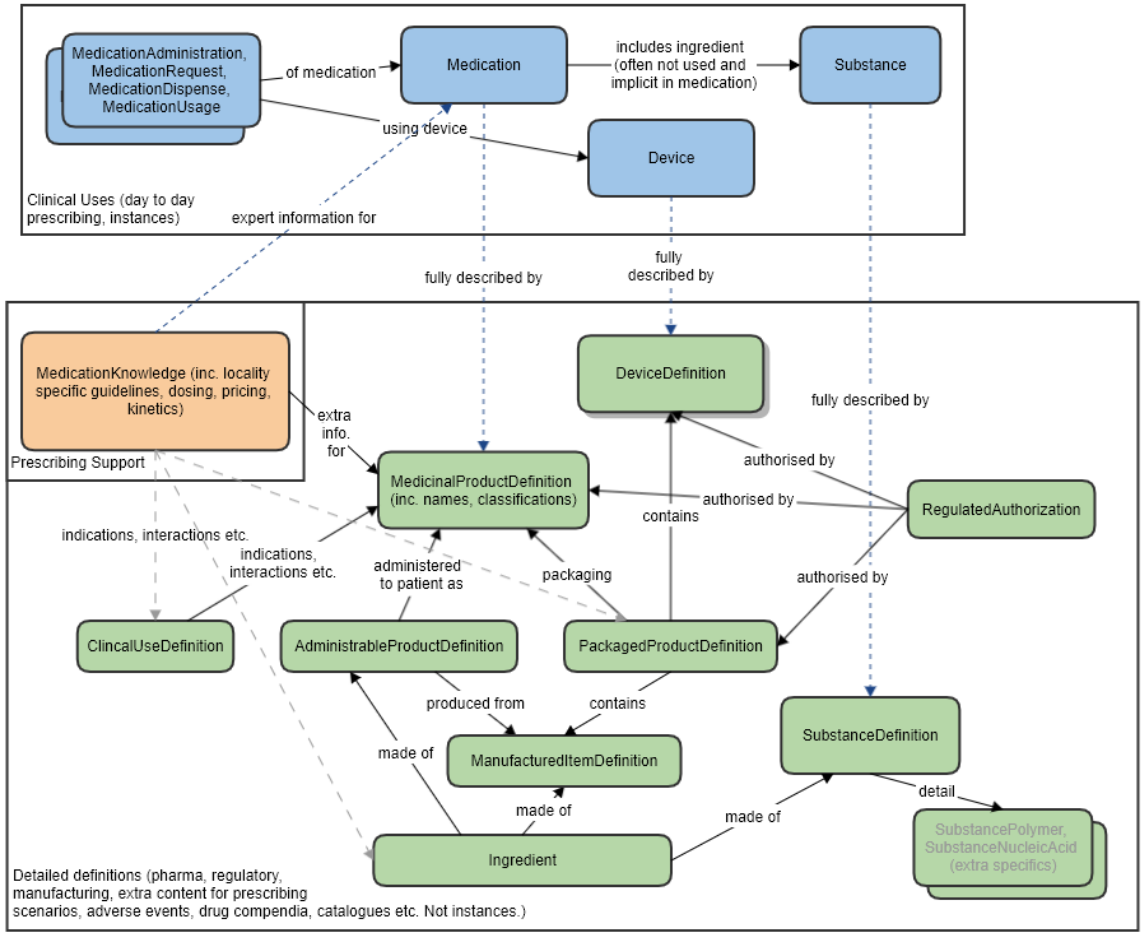


Source: https://unicom-project.eu/

Technical standards

Technical standard for ISO IDMP implementations:

- HL7 FHIR R5 Medication Definition module
  - A set of resources for structured medication data
  - For use in processes including medication and medicinal product dictionaries
  - The Medication module which includes Medication-Administration, -Request, -Dispense refere to Identifiers and Referentials from Medication Definition. The Medication is used in day-to-day patient care and prescription.



Source: https://www.hl7.org/fhir/R5/medication-definition-module.html

ISO IDMP Implementations: EMA SPOR

- SPOR: A common European database with medicinal product data, based on ISO IDMP

Substance Management Services (SMS)

Product Management Services (PMS)

Organisation Management Services (OMS)

Referentials Management Services (RMS)

- The PMS public API is in public beta and implements ISO IDMP with FHIR R5



Source: https://erdera.org/
https://spor.ema.europa.eu/sporwi/#/

The Norwegian Medical product Agency (NOMA) and ISO IDMP implementation



- NOMA has provided electronic medicinal product data to Norway’s health sector since 2008 (FEST)
- Since 2021, the SAFEST project has been transforming legacy medicinal-product data and referentials into ISO IDMP / FHIR, aligned with the EU implementation guide
- The project has been in production with selected data since 2022
- The services are used by Hospitals and supporting clinical practice in production
- Full ISO IDMP & PhPID production rollout planned for Q2/Q3 2027
- FEST Service will be phased out, but the exact timing is still to be decided

Safe exchange : “The value of ISO IDMP/EMA SPOR in national healthcare and cross-border exchange with EHDS”

...transformation for all medication systems..

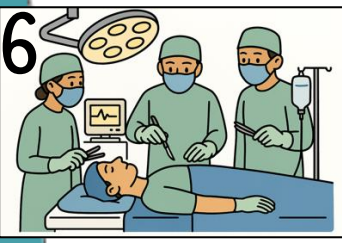






















ISO IDMP





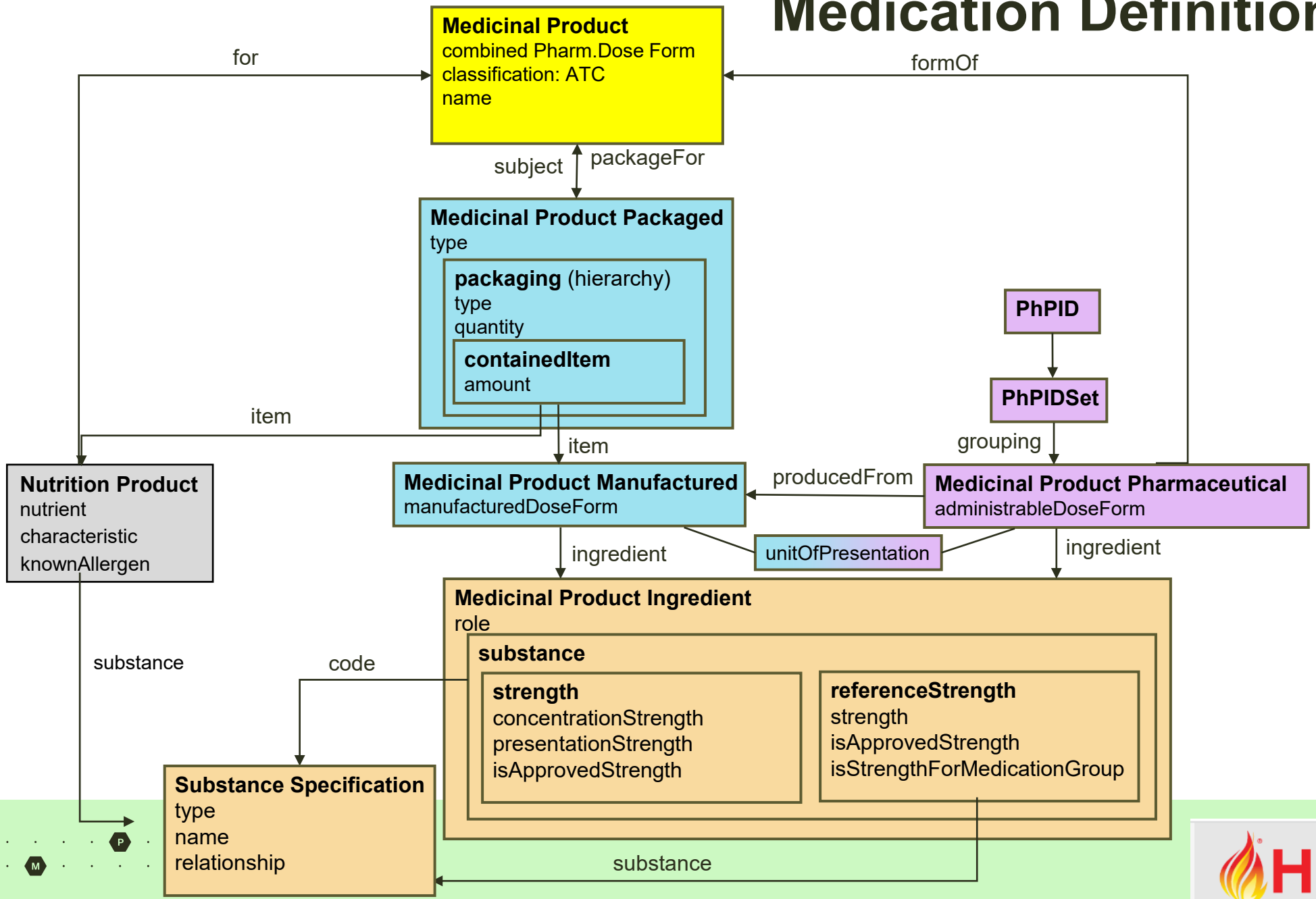
Xt-EHR
Medication Summary
Prescription
Dispensation
Administration

EUROPEAN MEDICINES AGENCY
SPOR

...the roadmap and timeline is still to be defined

NOMA FHIR version 3.1

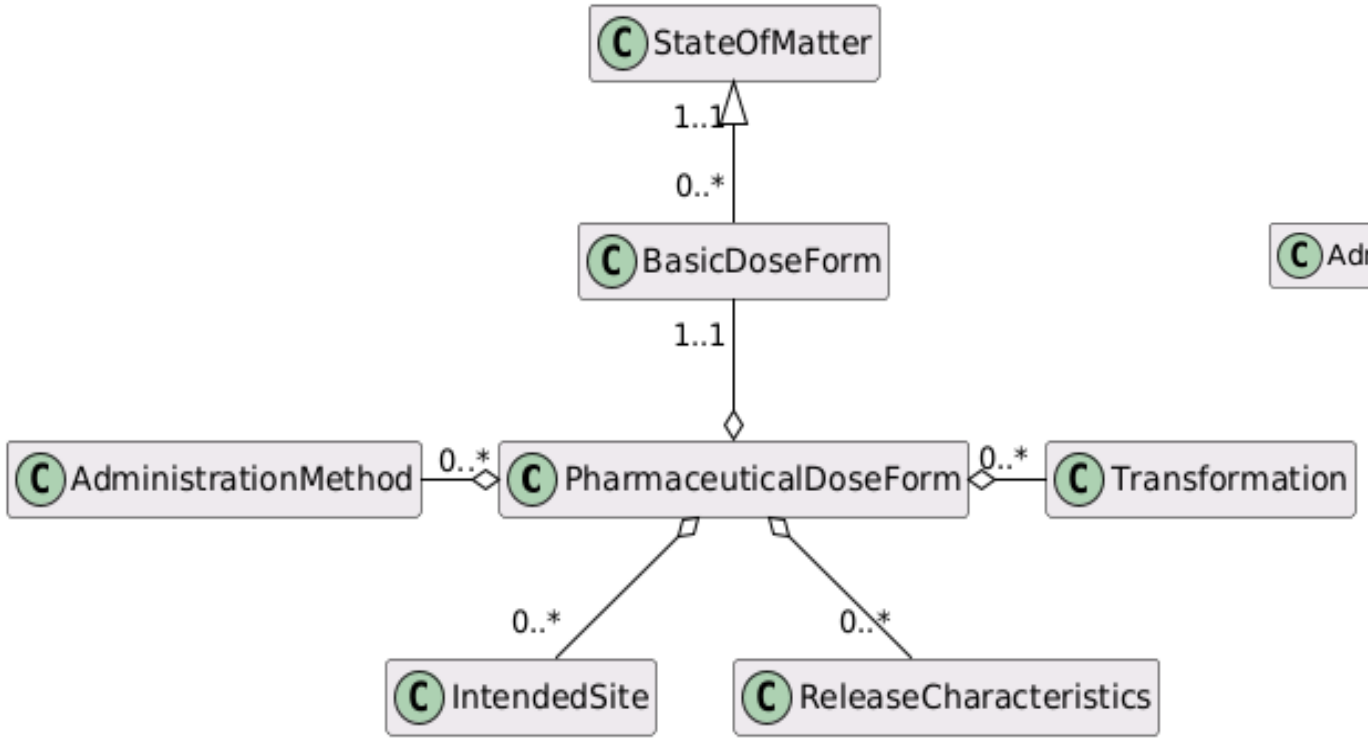
Medication Definition



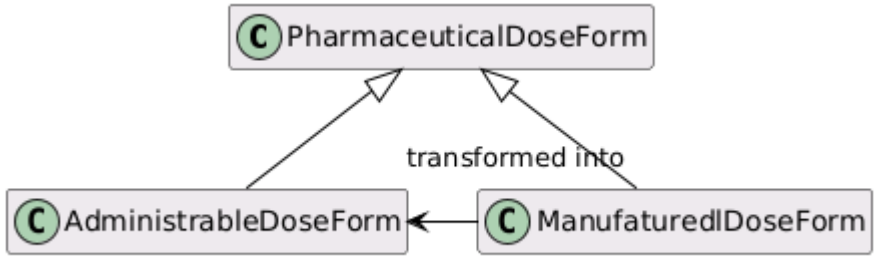
IDMP (FHIR R 4.0.1)

Code Systems from EDQM / EMA SPOR

Example : Pharmaceutical Dose Form



Manufactured vs Administrable



The objective: to allow participants to become familiar with the Medication Definition FHIR services and their content

The purpose of the Medication Definition FHIR Services is to enable safe and unambiguous identification of medicinal products in clinical use cases nationally and across the EU/EEA

Objective of the Hackathon :

Introduce the Medication Definition FHIR Service from NOMA and its specification in Simplifier. Explore and become familiar with the service and the FHIR resources

Introduce the Medication Definition FHIR Service from EMA and its specification in Simplifier. Explore and become familiar with the service

Track Leads for Medication Definition:



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