Overview of Eur**opean (pharmaceutical) developments and** impact on SNOMED CT

SNOMED International; SNOMED Supporting Clinicians
October 2019, Malaysia

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European Patient Summary Project

- Is a follow on from the epSOS project (Smart Open Services for European Patients)
- Closely aligned with the International Patient Summary (IPS)
  - Which itself is a follow on from the Continuity of Care Document
- Defines a minimal dataset of essential and important information for cross-border unplanned or emergency care with aim to improve patients' safety and quality of care
- Initial implementation is through the eHealth Digital Service Infrastructure (eHDSI or eHealth DSI) which manages deployment and operation of services for cross-border health data exchange under the Connecting Europe Facility (CEF)
  - HL7 CDA implementation
  - HL7 FHIR implementation

European Patient Summary content

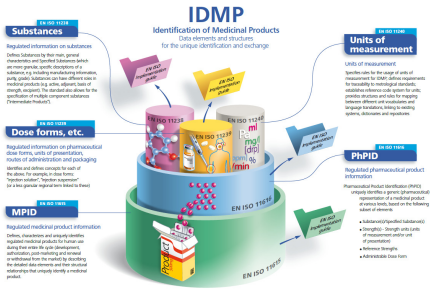
- General information about the patient (name, birth date, gender, etc.)
- Information about the Patient Summary itself
  - Metadata - when and how the summary was created, last updated and by whom
- A Medical Summary consisting of the most important clinical patient data:
  - Allergies
  - Current medical problems
  - Medical implants
  - Major surgical procedures during the last six months
  - Current medications (list of)
- Uses content from the SNOMED IPS value set, now the GPS, for many of its value sets – but NOT for medication…..

UNICOM – implementing IDMP

- European Commission:
  - Scaling up the global univocal identification of medicines
  - 4 year project with €19m budget

- Two aims
  - the cross-border mobility of European patients by offering **safer eDispensations across borders**
  - the **implementation of the IDMP standards** in Member States drug databases
    - including a possible linkage to the EU SPOR - Substance, Product, Organisation and Referential master data database allowing the identification of locally available medicinal products which are equivalent to the one identified in a foreign prescription.

What is IDMP?



ISO 11616

Data elements and structures for the unique identification.. ..of ***regulated pharmaceutical product information***

"abstraction"

ISO 11615

Data elements and structures for the unique identification.. ..of ***regulated medicinal product information***

supports

ISO 11238

Data elements and structures for the unique identification.. .. of information on ***substances***

supports

ISO 11240

Data elements and structures for the unique identification.. .. of ***units of measurement***

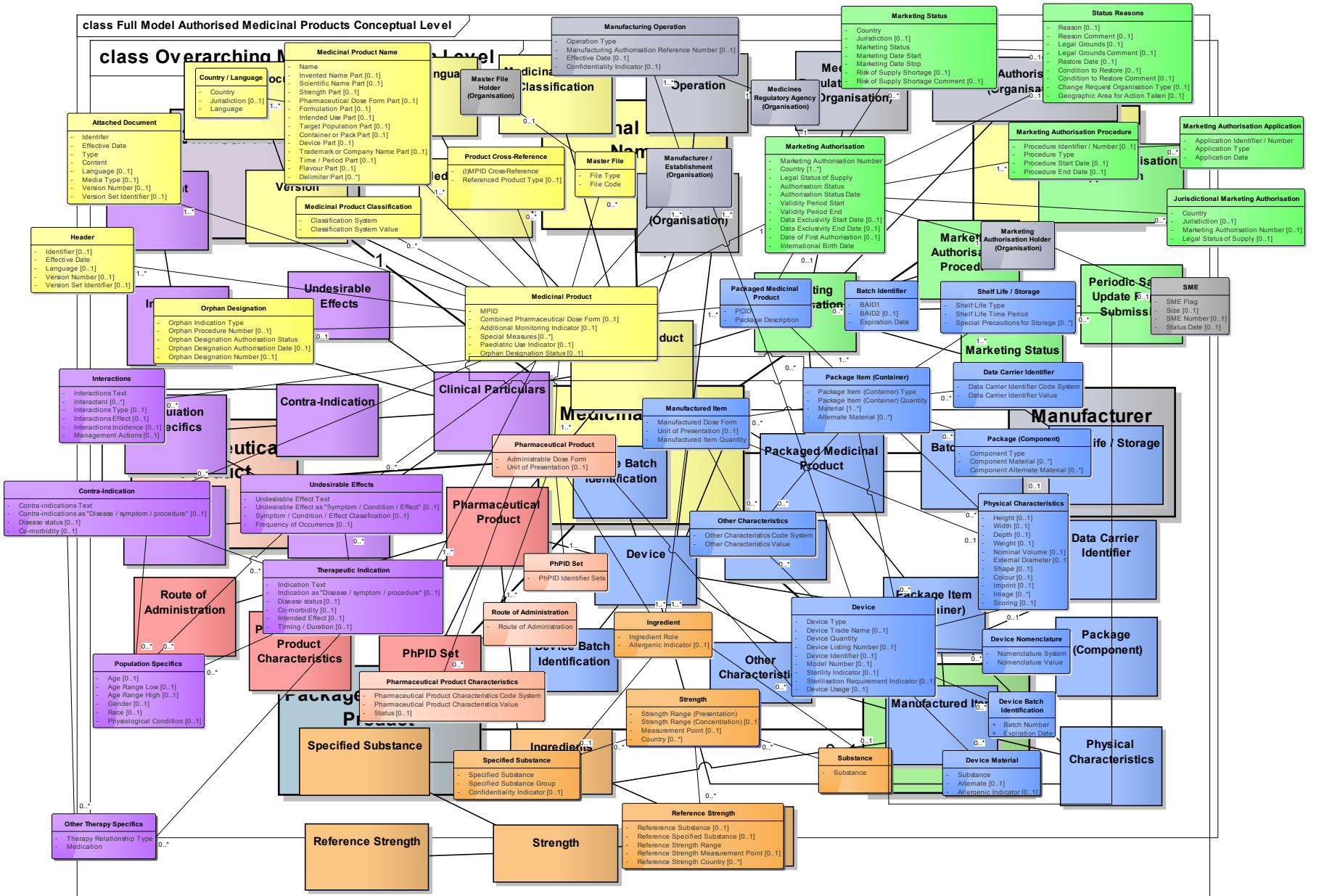
supports

ISO 11239

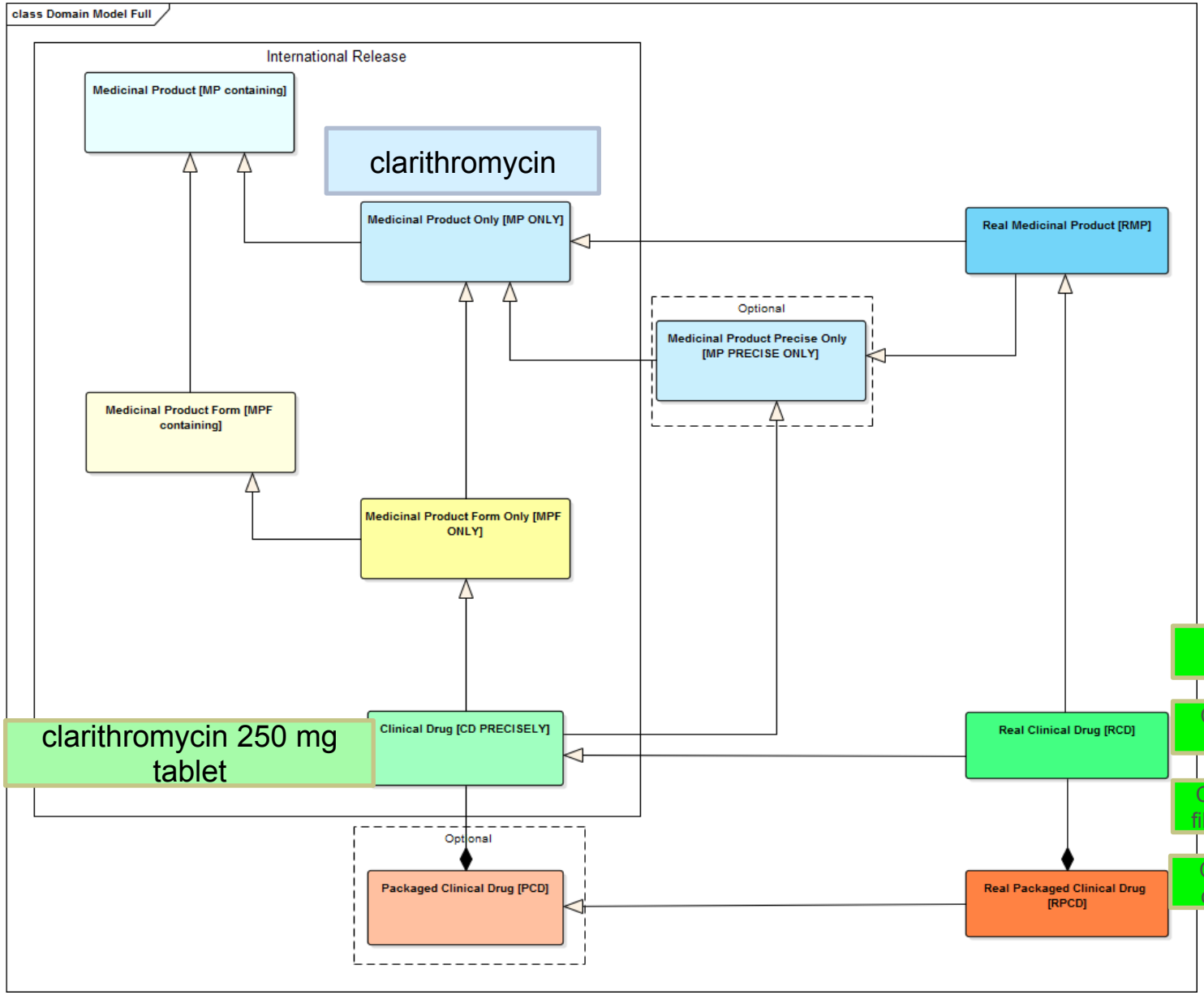
Data elements and structures for the unique identification.. .. of information on ***pharmaceutical dose forms, units of presentation, routes of administration and packaging***

IDMP: ISO 11615

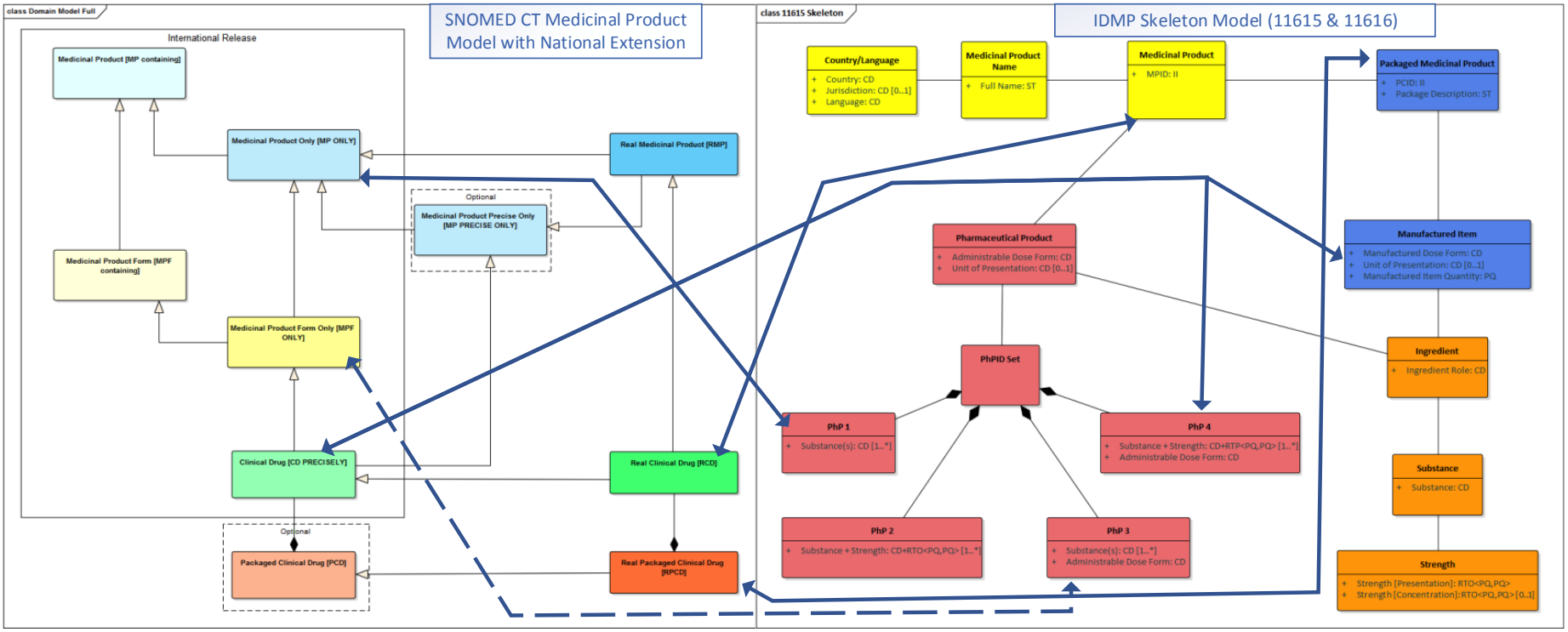
BlueWave



SNOMED CT Medicinal Product Model



SNOMED CT and IDMP



SNOMED CT	IDMP
Medicinal Product only (MP-only)	PhP level 1 (ISO 11616)
Medicinal Product Form only (MPF-only)	PhP level 3 (ISO 11616)
Clinical Drug (CD)	Manufactured Item (mostly) – not an identified class
Real Clinical Drug (RCD)	Medicinal Product (MPID)
Real Packaged Clinical Drug (RCPD)	Packaged Medicinal Product (PCID)

UNICOM Project

- Consortium proposal, including SNOMED, accepted by EC summer 2019
- Project kick-off aimed for January 2020

- AIM: To develop and demonstrate a common EU-wide cross-border ePrescription/ eDispensing approach adapted to IDMP and implemented through current and planned CEF eHDSI services

- Project organised in 12 work package groups in 4 streams
  - Reliable IDMP-coded Medicinal Product data for health system actors
    - SDOs (1 WP, inc. SNOMED) and National Competent Authorities (regulators) – 3 WP to implement IDMP (substances and products) in 12 agencies
  - Safe implementation and seamless flow of Medicinal Product (prescription/dispensing) data across Europe
    - IDMP adoption by eHealth Services through CEF eHDSI, including dispensing pilot
  - Realising the benefits from IDMP implementation in patient care
  - Coordination, dissemination and sustainability
    - Project management, medico-legal issues etc.

Realising the benefits from IDMP implementation in patient care

- WP8 – IDMP for Clinical Care, Patients, Pharmacies, Research and Pharmacovigilance:
  - Work will explore in detail, analyse, and provide guidance and tools on how to optimise exploitation of IDMP data in various health system contexts.
- WP9 Medicinal Product Dictionaries and Clinical System Software
  - Clinical systems currently use national/commercial MPD and CDS
  - How to use IDMP in these to get “trusted information” to clinicians
  - Will PhPID4 “work” for cross-border dispensation?
    - If not, what might? What is the role of SNOMED content here?
    - Supporting WP 7 pilot

- SNOMED involved in both these WP

Questions?

Thank you