



MINISTERIO  
DE SANIDAD, CONSUMO  
Y BIENESTAR SOCIAL



agencia española de  
medicamentos y  
productos sanitarios



# AEMPS experience indexing medicines into the SNOMED CT terminology

AEMPS Agencia Española de Medicamentos y Productos Sanitarios

NRC National Release Center for SNOMED CT

Spain

# Nomenclator for prescription: scope

- A medicines database intended to provide core prescription information to the health care information services
- Contains all medicinal products that have been authorized and marketed, both financed and non-financed
- Data for medicinal product identification
- Technical information for each individual product
- Includes medicinal products suspended, revoked or ceased to be marketed (since May 2013)

# Nomenclator for prescription: derivatives

*Add price and reimbursement information*



***Nomenclator Maestro***



***Nomenclator “Alcántara”***

# Nomenclator for prescription: dataset

- Interoperable **grouping** information at 3 levels
  - Using SNOMED CT concepts and relationships
  - VTM, VMP, VMPP
- **Clinical** information of relevance
  - Information for prescription support
  - Active ingredients
  - Strength
  - Pharmaceutical form
  - Route of administration
  - Units of presentation
  - List of excipients
- Published **monthly**

# Nomenclator and SNOMED CT concepts

SNOMED-CT

DCSA (VTM) = active ingredient(s)

DCP (VMP) = active ingredient(s) + strength + simplified pharmaceutical form

DCPF (VMPP) = active ingredient(s) + strength + simplified pharmaceutical form + package size (and type of container)

darunavir + cobicistat

darunavir / cobicistat 800 mg / 150 mg comprimido (= Tablet)

darunavir / cobicistat 800 mg / 150 mg 30 comprimidos

# SNOMED CT number of components



2.111 Virtual Therapeutic Moiety (VTM) concepts

5.807 Virtual Medicinal Product (VMP) concepts

8.543 Virtual Medicinal Product Pack (VMPP) concepts

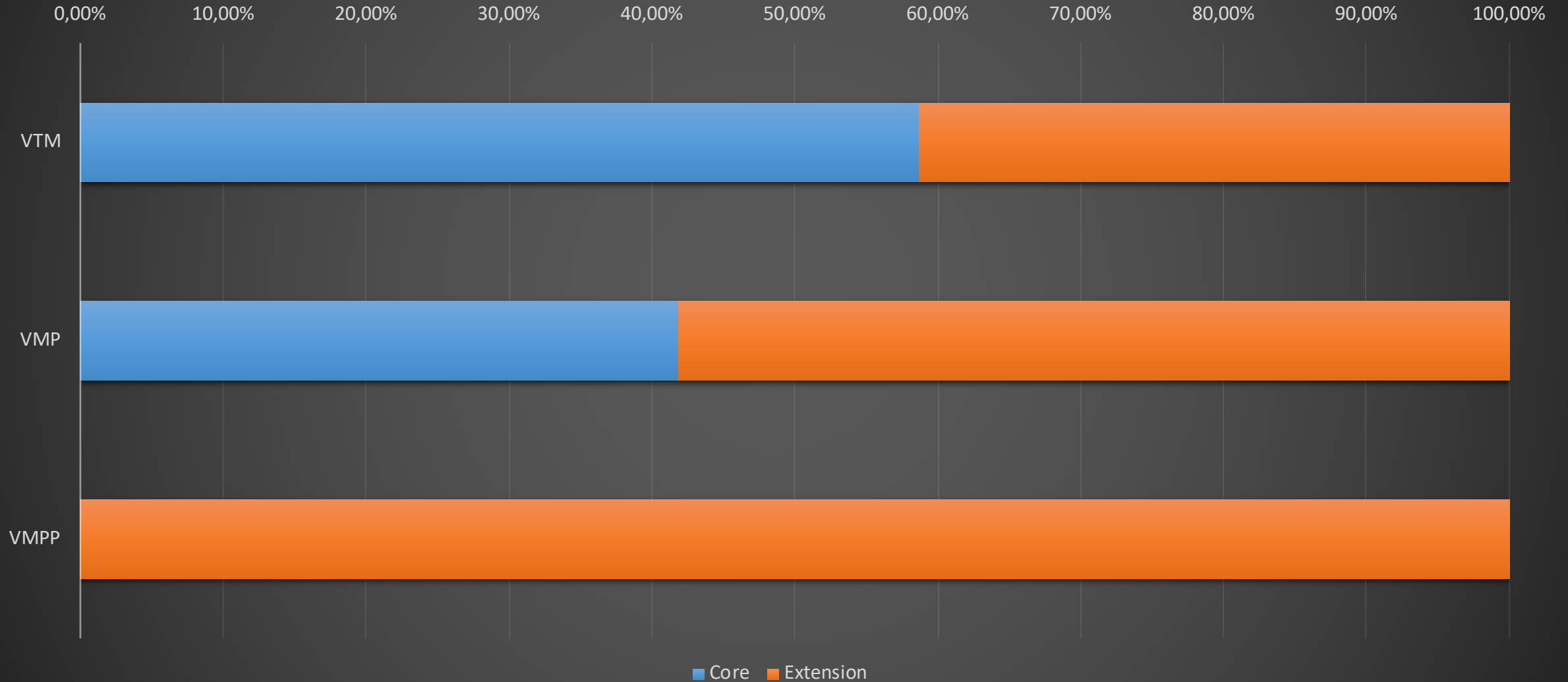
# SNOMED CT components: authoring

Core SNOMED CT (22,3%) plus Spanish AEMPS Medicines **Extension** (77,7%)

- 12.813 concepts authored by AEMPS
- 16.461 total concepts
  - International Edition
  - AEMPS Extension (namespace = 1000140)
- 25.628 descriptions
  - 2.111 **Translations** into English
- 12.813 relationships

# SNOMED CT components: authoring %

Authoring proportion by component type





# Structured and encoded information allow “specific search”

<https://cima.aemps.es/cima/publico/buscadoravanzado.html>

**BUSCADOR PARA PROFESIONALES SANITARIOS**

Buscador de medicamentos

**Buscador por descripción clínica**

Buscador por ficha técnica

Cambios en situación de registro

Selecciona un tipo de buscador. Cumplimenta los criterios solicitados y pulsa en el botón buscar.

Cada buscador es distinto y presentará información distinta del medicamento

**BUSCADOR POR DESCRIPCIÓN CLÍNICA**

**1** PARA LA BÚSQUEDA **DARUNAVIR**

**RESULTADOS**

**Filtro de resultados**

- Darunavir 100 mg/ml solución/suspensión oral**
  - Darunavir 100 mg/ml solución/suspensión oral 200 ml 1 frasco
- Darunavir 400 mg comprimido**
  - Darunavir 400 mg 60 comprimidos
- Darunavir 600 mg comprimido**
  - Darunavir 600 mg 60 comprimidos
- Darunavir 800 mg comprimido**
  - Darunavir 800 mg 30 comprimidos
- Darunavir/Cobicistat 800 mg/150 mg comprimido**
  - Darunavir/Cobicistat 800 mg/150 mg 30 comprimidos
- Darunavir/Cobicistat/Emtricitabina/Tenofovir 800 mg/150 mg/200 mg/10 mg comprimido**
  - Darunavir/Cobicistat/Emtricitabina/Tenofovir 800 mg/150 mg/200 mg/10 mg 30 comprimidos

**REZOLSTA 800 mg / 150 mg comprimidos recubiertos con película**  
**JANSSEN-CILAG INTERNATIONAL N.V**  
**Nº REGISTRO: 114967001**

USO HOSPITALARIO  
CON RECETA

**PRINCIPIOS ACTIVOS**  
• DARUNAVIR ETANOLATO  
• COBICISTAT

**EXCIPIENTES** ⓘ

FT  
P  
IPE

# Interoperability of prescriptions for Autonomous Communities

Interoperable **concept** coding of medicinal products is a **key element** to allow **interoperability** among the different regions and to deploy cross-system prescription data **exchange** services without relying on the *brand name* of medicines





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**SNOMED**  
International

Leading healthcare  
terminology, worldwide

# Sincere thanks !!

[aromerog@mscbs.es](mailto:aromerog@mscbs.es)

[ablazquez@aemps.es](mailto:ablazquez@aemps.es)