RxNorm for Medications

RxNorm Drug Concept Hierarchy

Ingredient: Metformin

Clinical Drug Component
Metformin 500 MG

Clinical Drug Component
Metformin 1000 MG

Clinical Drug Component
Metformin ER 500 MG

Clinical Drug
Metformin 500 MG Oral Tab

Clinical Drug
Metformin 1000 MG Oral Tab

Clinical Drug
Metformin ER 500 MG Tab

Clinical Drug
Metformin 850 MG Oral Tab

Branded Drug
Glucophage 500 MG

Branded Drug
Fortamet 500 MG

Branded Drug
Glumetza 500 MG

Branded Drug
Riomet 500 MG/5mL

NDC Codes
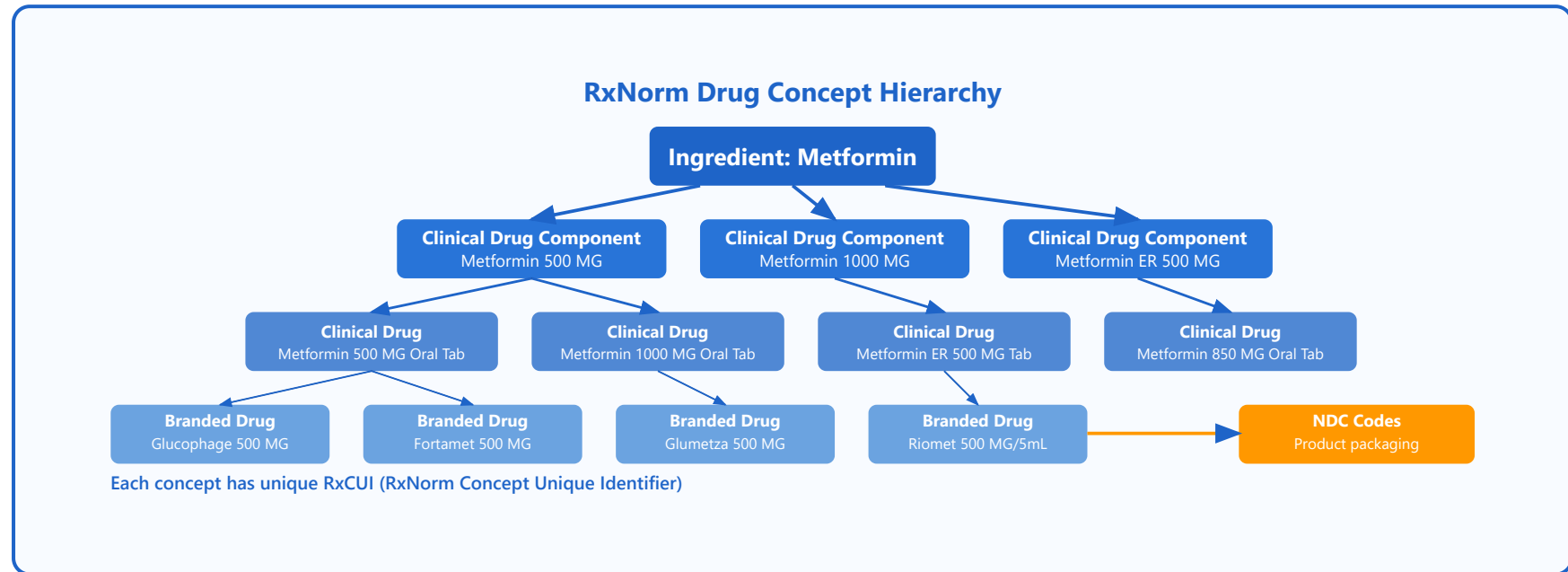Product packaging

Each concept has unique RxCUI (RxNorm Concept Unique Identifier)

💊 Drug Concepts

- Normalized drug names
- Ingredient + strength + dose form
- Unique RxNorm CUI
- Links to other vocabularies

📊 Hierarchy Levels

- Ingredient (base substance)
- Precise ingredient (salt form)
- Clinical drug (generic)
- Branded drug (trade name)
- Drug pack (multi-ingredient)

💉 Dose Forms

- Oral tablet, capsule
- Injectable solution
- Topical cream, ointment
- Inhalation powder
- Transdermal patch

🔗 Integration

- NDC code mapping
- Drug-drug interactions
- Generic substitution
- Allergy checking
- Formulary management