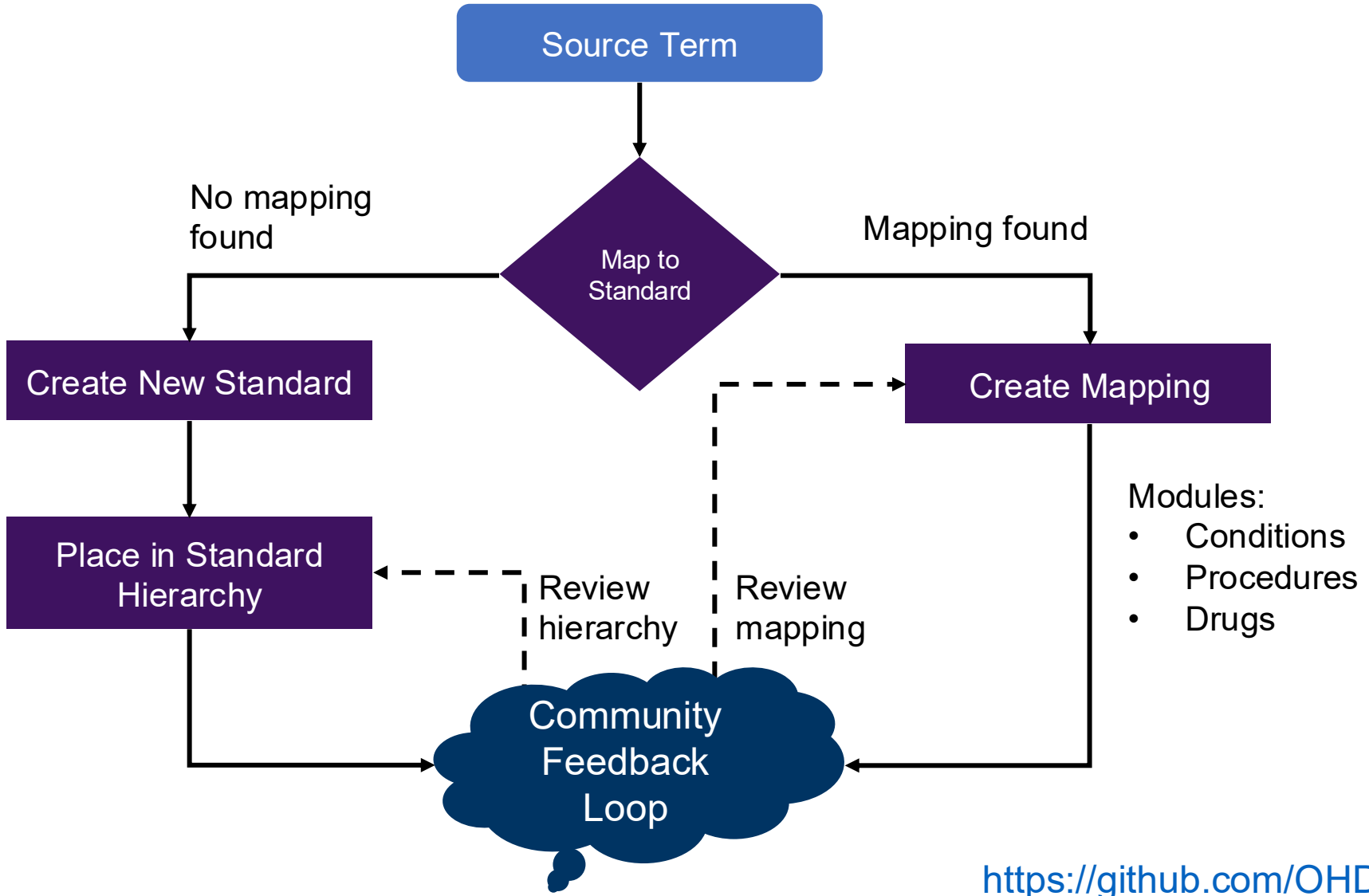


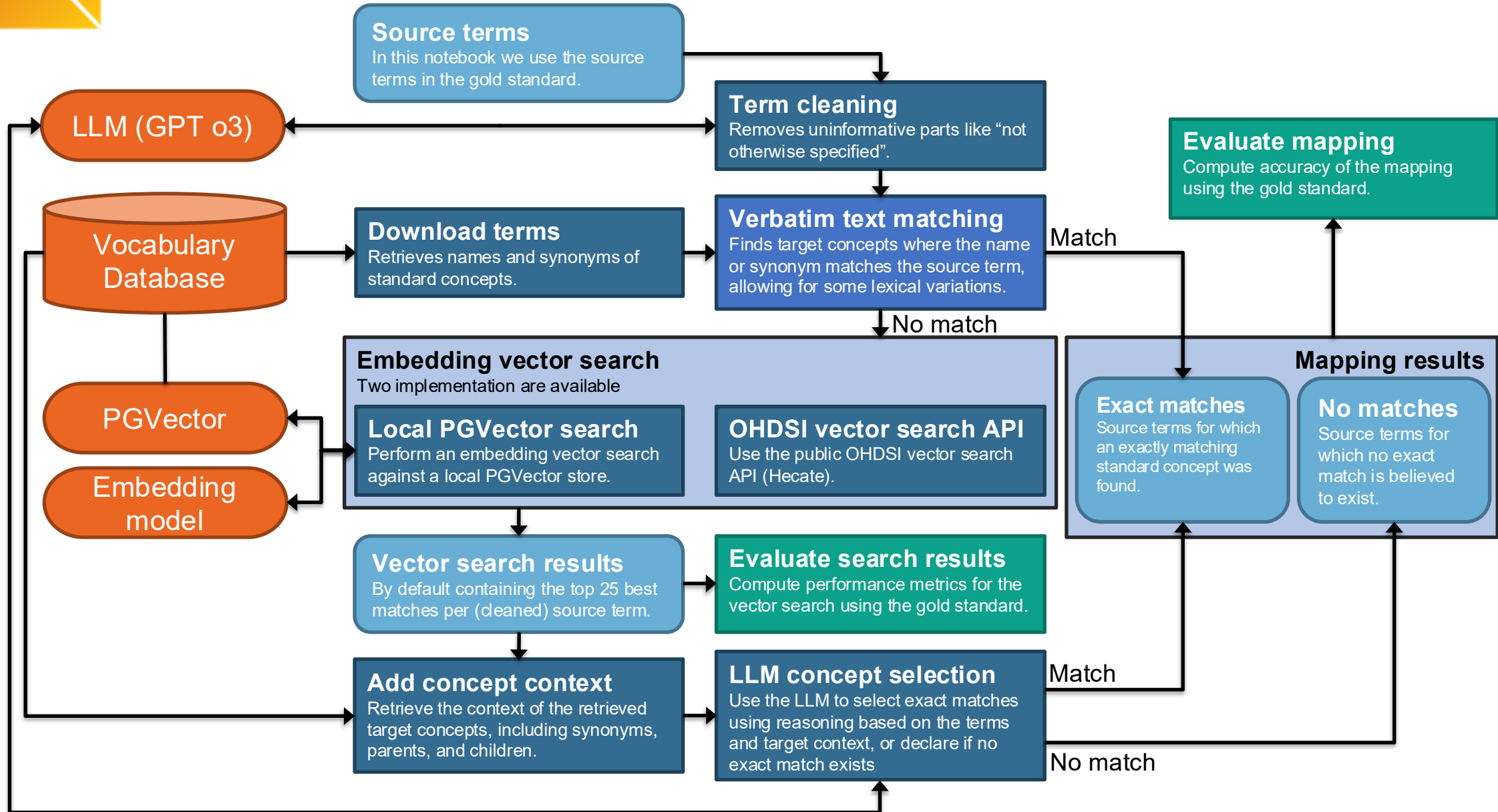


2026 Vision: Vocabulary construction





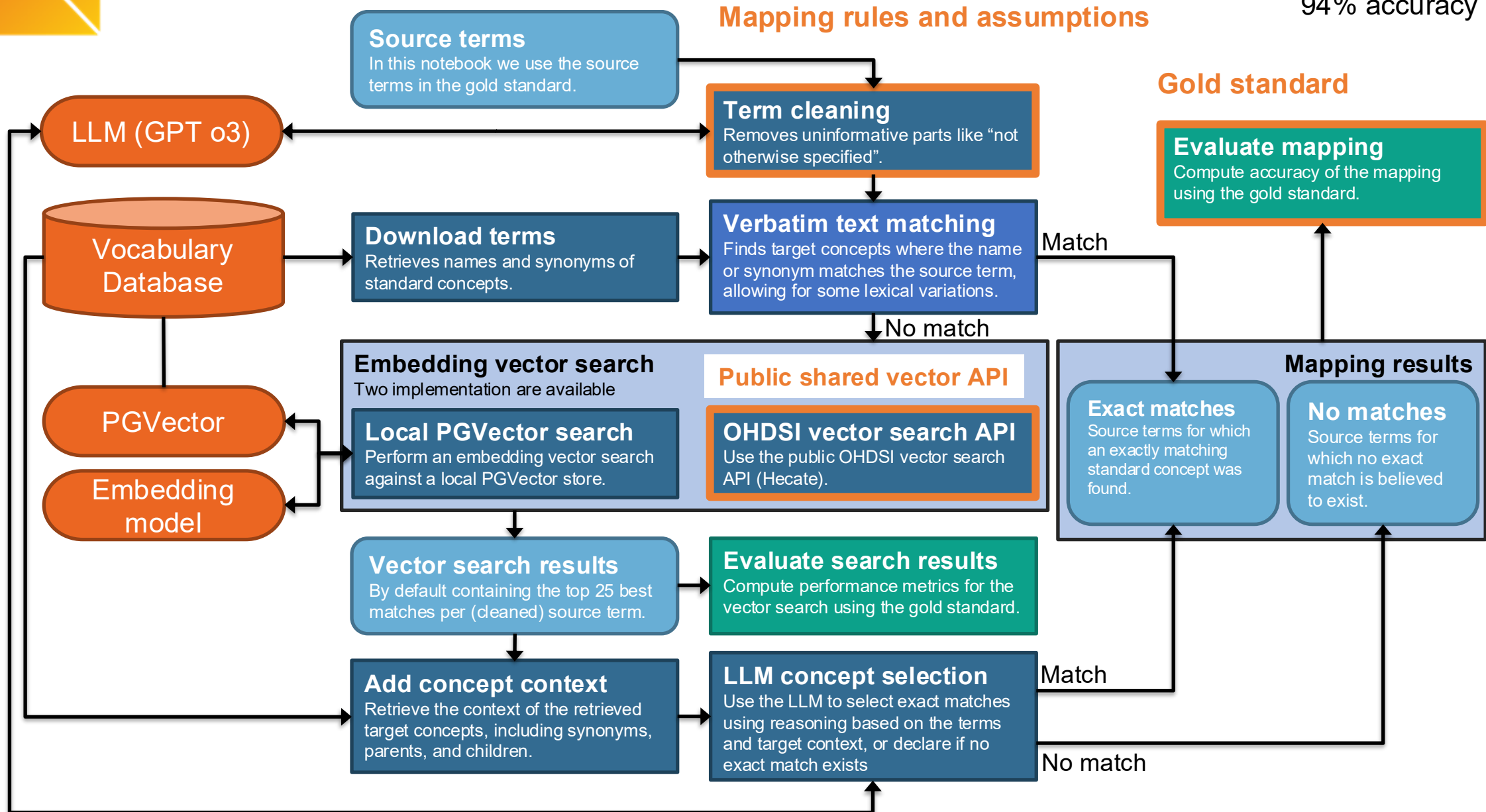
Conditions





Conditions

Current performance:
100% recall
94% accuracy





Procedures

MindMeetsMachines Vocabulary Edition @OHDSI EU Symposium

General



aostropelets Anna Ostropelets

Mar 2 Mar 2

Please join us at the **MindMeetsMachines Vocabulary Edition challenge** at the OHDSI EU Symposium (Sunday April 19th 1pm-3pm 18)!

Motivation

Mapping source codes to Standard Concepts in the OHDSI Standardized Vocabularies is hard, but essential if we want to collaborate. Let's therefore test the current level of our human concept mappers and our AI concept mappers and learn from each other!

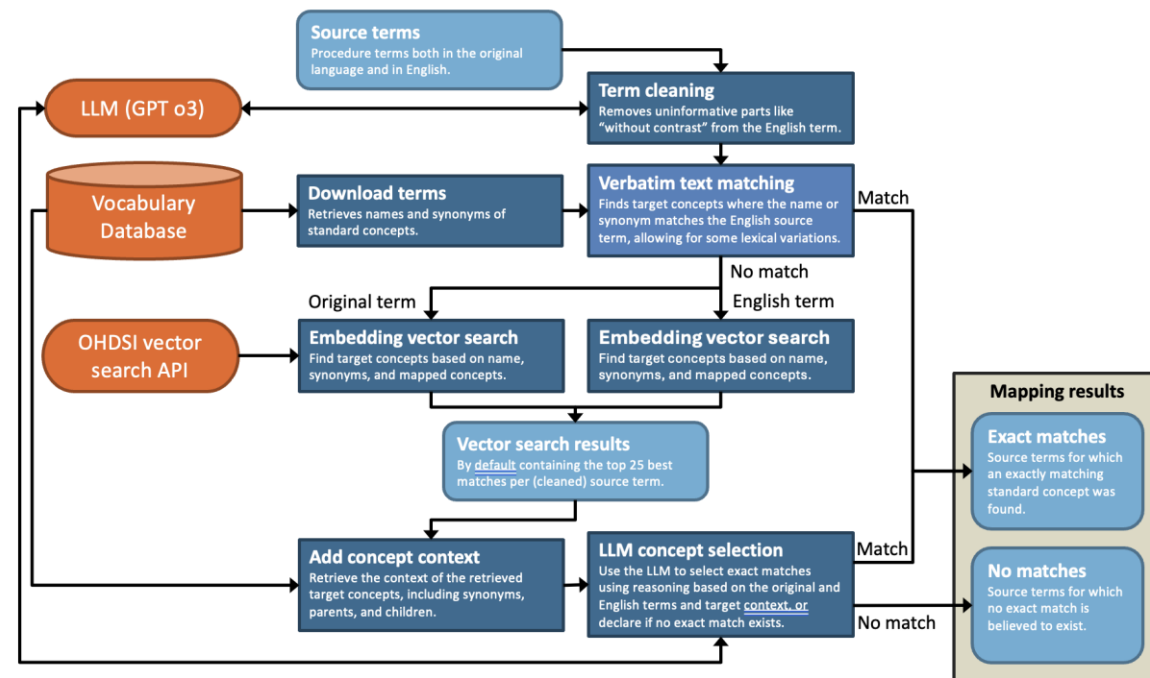
What will happen

We will be mapping (samples of) source codes related to *Procedures and Measurements* from all over Europe and see where OHDSI's best human mappers outperform the artificial ones and vice versa.

- The AI teams that want to participate are expected to prepare their systems *upfront*. Additional details of the task the systems should be able to perform is *attached* to this post.

1 / 14
Mar 2

21h ago



aostropelets Anna Ostropelets

21h

Many thanks to everybody who participated!!

Please come to the next **Generative AI and Foundational Models in Healthcare workgroup** meeting on **June 9th noon EST** ([link](#)) to learn more about the **results** of the challenge and discuss what we as a community can learn from it and where we can go from here.

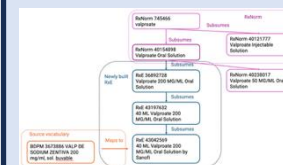
@MPhilofsky the original session wasn't recorded but the WG meeting is usually recorded.



Drugs

Build RxNorm Extension (boiler)

- Source-agnostic
- Takes decomposed input tables
- Finds best match based on existing drug composition, mapping, dosage corridor
- Creates new terms
- Builds and fills hierarchy



"10 ML Valproate 100 MG/ML Injectable Solution (Epijecta) Box of 1 by Beacon"

Attribution	Form	Strength	PKC1	PKC2	Show Extra	Match	SN	SN2	SN3
Ingredient	Valproate	100 mg/ml							
Chemical Entity	Valproate	100 mg/ml							
Chemical Entity	Valproate	100 mg/ml	Injectable Solution						
Brand Name	Valproate	100 mg/ml	Injectable Solution						
Brand Name	Valproate	100 mg/ml	Injectable Solution	Epijecta					
Specialty	100 ml	Valproate	100 mg/ml	Injectable Solution	Epijecta	Beacon			
Specialty	100 ml	Valproate	100 mg/ml	Injectable Solution	Epijecta	Beacon			
Specialty	100 ml	Valproate	100 mg/ml	Injectable Solution	Epijecta	Beacon			
Specialty	100 ml	Valproate	100 mg/ml	Injectable Solution	Epijecta	Beacon			

PMID: [41726498](https://pubmed.ncbi.nlm.nih.gov/41726498/)



Drugs

Source terms

All source drugs + documentation

Term concatenating

All information in master sheet

Domain classification

Classify into drug or device based on GitHub documentation delineation

Device

Drug

Attribute extraction

- Ingredient(s)
- Dose Form
- Brand Name
- Supplier
- Dosage

Embedding vector search

Map attributes
Find standard RxNorm/RxE counterparts for attributes

Dosage normalization

Different rules for solid, liquid, gases, packages

Input tables

Drug concept stage

All drugs, devices, attributes

Internal relationship stage

Links between drugs and attributes

ds stage

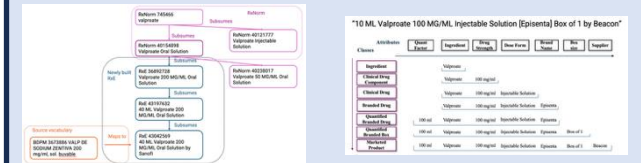
Normalized dosages

relationship to concept

Mapping attributes to RxNorm/RxE/UCUM

Build RxNorm Extension (boiler)

- Source-agnostic
- Takes decomposed input tables
- Finds best match based on existing drug composition, mapping, dosage corridor
- Creates new terms
- Builds and fills hierarchy



PMID: [41726498](#)



Next steps

- Test generalizability of condition module on August release
- Continue with drug and procedure modules (incl. assumptions)
- Advance hierarchy construction

Team:

[Martijn Schuemie](#), [Rowan Parry](#) (Hecate), [Vocabulary Team](#) (Masha Khitrun, Dima Dymshyts, Oleg Zhuk, Polina Talapova, Denys Kaduk), [Miroslav Domansky](#), [Vocabulary WG](#), [MindMeetsMachine](#) (Participating Teams, Tom Seinen, Matthijs Otten)