2023 OHDSI Vaccine Vocabulary WG Achievements:

1. We built up a consensus of using the Vaccine Ontology (VO) to map and incorporate different vaccine terminologies and provide additional features.
2. Developed an effective pipeline by combining automatic term mapping with manual review, verification, and annotations.
3. Finished the mapping and incorporation of all vaccine terms (254 CVX vaccine terms) in CVX to VO using our pipeline.
4. The work was presented in the OHDSI 2023 symposium.

Objective 1 : Map vaccine terms in two OMOP vaccine standards (i.e., RxNORM and RxNORM extension) to the Vaccine Ontology (VO) and add new VO terms if no mapping is found.

Key results:
1. Map/add vaccine terms in RxNORM to VO. Timeline: 1Q2024.
2. Map/add vaccine terms in RxNORM extension to VO. Timeline: 2-3Q2024.
Objective 2: Prepare an **OMOP submission** for the inclusion of VO to OMOP vocabulary as a **non-standard vaccine vocabulary**.

Key results:

1. Preparation for the submission. Timeline: 2Q2024.
2. Fill out forms and submit for VO inclusion to OMOP. Timeline: 2-3Q2024.
Objective 3: Use case study and presentation.

Key results:

1. Develop and evaluate the usages of the VO vaccine classification for OMOP EHR data analysis using IQVIA and N3C data sources. Timeline: 2-4Q2024

2. Submit abstract and present the results in OHDSI 2024 symposium. Timeline: 3-4Q2024

3. Prepare a journal article. Timeline: 3-4Q2024.