CDM Working Group

Updates and 2021 Plan

Meetings: 1st Tuesday of the month @1pm est
Location: OHDSI Teams environment
Team: Workgroup – Common Data Model
2020 Accomplishments

OMOP CDM v6.0

Below is the specification document for the OMOP Common Data Model, v6.0. Each table is represented with a high-level description and ETL conventions that should be followed. This is continued with a discussion of each field in each table, any conventions related to the field, and constraints that should be followed (like primary key, foreign key, etc.). Should you have questions please free to visit the forums or the github issue page.

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Changes in v6.0

- Latitude and Longitude added to LOCATION
- Contract owner field added to PAYER_PLAN_PERIOD
- All primary keys were changed to bigint
- The name of ADMISSION_SOURCE_CONCEPT_ID was changed to ADMITTED_FROM_CONCEPT_ID in VISIT_OCCURRENCE and VISIT_DETAIL.
- All Concept_Ids are now mandatory except for UNIT_CONCEPT_ID, VALUE_AS_CONCEPT_ID, and OPERATOR_CONCEPT_ID.
- If there is no value available then a Concept_Id should be set to 0 instead of NULL.
- DEATH table removed and DEATH_DATETIME field added to the PERSON table. Cause of death is stored in the CONDITION_OCCURRENCE.
- DATETIME fields were made optional and date fields were made optional.

Clinical Data Tables

PERSON

Table Description
This table serves as the central identity management for all Persons in the database. It contains records that uniquely identify each person or patient, and some demographic information.

User Guide
All records in this table are independent Persons.

ETL Conventions
All Persons in a database needs one record in this table, unless they fail data quality requirements specified in the ETL. Persons with no Events should have a record nonetheless. If more than one data source contributes Events to the database, Persons must be reconciled, if possible, across the sources to create one single record per Person. The BIRTH_DATETIME must be equivalent to the content of BIRTH_DAY, BIRTH_MONTH and BIRTH_YEAR. There is a helpful rule listed in table below for how to derive BIRTH_DATETIME if it is not available in the source. New to CDM v6.0: The person’s death date is now stored in this table instead of the separate DEATH table.

https://Ohdsi.github.io/CommonDataModel
2021 Plan

• Pre-release of Oncology Tables

• What’s the deal with CDM v6?

• Resuming regularly scheduled programming