# Database Overview

### OMOP Common Data Model Version 5 tables

The OMOP CDM V5 vocabulary tables are in the “cdmv5” schema.

### ETL Working tables

The ETL process creates working tables in the “faers” schema.

### Source data tables

All of the LAERS and FAERS source data tables are in the “source” schema.

### Standardized tables with generate case counts and statistics

The faersdb database schema contains the following groups of tables. Note. The data in these tables is limited to just the unique cases in the legacy (LAERS) and current (FAERS) databases. See the uniqueness criteria documented in the ETL scripts.

Standardized combined data from the legacy AERS (LAERS) and FDA AERS (FAERS) databases:

1. Standard\_all\_drug\_outcome\_count - count of unique cases for each drug/outcome pair
2. Standard\_all\_drug\_outcome\_contingency\_table - 2x2 contingency table for each drug/outcome pair
3. Standard\_all\_drug\_outcome\_statistics - PRR and ROR with 95% confidence interval limits for each drug/outcome pair

Standardized data from the legacy AERS (LAERS) database:

1. Standard\_legacy\_drug\_outcome\_count - count of unique cases for each drug/outcome pair
2. Standard\_legacy\_drug\_outcome\_contingency\_table - 2x2 contingency table for each drug/outcome pair
3. Standard\_legacy\_drug\_outcome\_statistics - PRR and ROR with 95% confidence interval limits for each drug/outcome pair
4. Standard\_legacy\_case\_outcome - CDM Vocabulary MedDRA concept\_id associated with the MedDRA preferred term for the legacy case outcome (note. within LAERS this is known as the case reaction). The ISR enables linking back to the source reac\_legacy table in the ‘source’ schema.
5. Standard\_legacy\_case\_indication - CDM Vocabulary MedDRA concept\_id associated with the MedDRA preferred term for the legacy case drug indication . The ISR enables linking back to the source indi\_legacy table in the ‘source’ schema.
6. Standard\_legacy\_case\_outcome\_category - CDM vocabulary SNOMED-CT concept\_id associated with the legacy case outcome category (e.g. Death, Hospitalization, etc). Note. Within LAERS this is known as the legacy case outcome. The ISR enables linking back to the source outc\_legacy table in the ‘source’ schema.

Standardized data from the current FDA AERS(FAERS) database:

1. Standard\_drug\_outcome\_count - count of unique cases for each drug/outcome pair
2. Standard\_drug\_outcome\_contingency\_table - 2x2 contingency table for each drug/outcome pair
3. Standard\_drug\_outcome\_statistics - PRR and ROR with 95% confidence interval limits for each drug/outcome pair
4. Standard\_case\_outcome - CDM Vocabulary concept\_id associated with the MedDRA preferred term for the case outcome (note. within FAERs this is known as the case reaction). The primaryid enables linking back to the source reac table in the ‘source’ schema.
5. Standard\_case\_indication - CDM Vocabulary concept\_id associated with the MedDRA preferred term for the case drug indication . The primaryid enables linking back to the source indi table in the ‘source’ schema.
6. Standard\_case\_outcome\_category - CDM vocabulary SNOMED-CT concept\_id associated with the case outcome category (e.g. Death, Hospitalization, etc). Note. Within FAERS this is known as the case outcome. The primaryid enables linking back to the source outc table in the ‘source’ schema.