[](https://talk.openmrs.org/u/paul)

[**paul**Paul Biondich](https://talk.openmrs.org/u/paul)[Project Leader](https://talk.openmrs.org/g/Regenstrief)

[2019-10](https://talk.openmrs.org/t/openmrs-and-ohdsi/24930/4?u=levine)

[**@akanter**](https://talk.openmrs.org/u/akanter): a member of the OHDSI community named Lee Evans ([evans@ohdsi.org](mailto:evans@ohdsi.org)) developed a standard ETL script to move between OpenMRS and OMOP CDM in the past year. I haven’t laid my own eyes on it, but there’s also some work some of us did as well:

[https://wiki.openmrs.org/download/attachments/84476300/OpenMRS%20ETL.docx?version=1&modificationDate=1436743360000&api=v2 2](https://wiki.openmrs.org/download/attachments/84476300/OpenMRS%20ETL.docx?version=1&modificationDate=1436743360000&api=v2)

[](https://talk.openmrs.org/u/akanter)

[**akanter**Andrew Kanter](https://talk.openmrs.org/u/akanter)[Metadata & Terminology Lead](https://talk.openmrs.org/g/Leadership)

[2019-10](https://talk.openmrs.org/t/openmrs-and-ohdsi/24930/5?u=levine)

Thanks, [**@paul**](https://talk.openmrs.org/u/paul)! This is helpful. I have been following OHDSI for some time, but finally managed to get to the user conference this year. Lots going on and it would be great to have OpenMRS more involved in their data network. I think the ETL probably needs some refinement, and the tricky bits are the specific OBS that have to be moved around. Looks like you might have been working with Christian on some of that. I will reach out to Lee.

1. use WhiteRabbit (http://ohdsi.github.io/WhiteRabbit/WhiteRabbit.html) to access all openmrs tables/data and build xls file with info
2. use Rabbit-In-a-Hat (https://ohdsi.github.io/TheBookOfOhdsi/ExtractTransformLoad.html#rabbit-in-a-hat) to input xls (step 1.), show source tables (e.g. CIEL) and standard tables (e.g. SNOMED CT), link source/standard tables and write queries to move data from source to standard; note, queries might need to perform transformations of data in CIEL format to SNOMED CT format

Source Data Mapping Approach

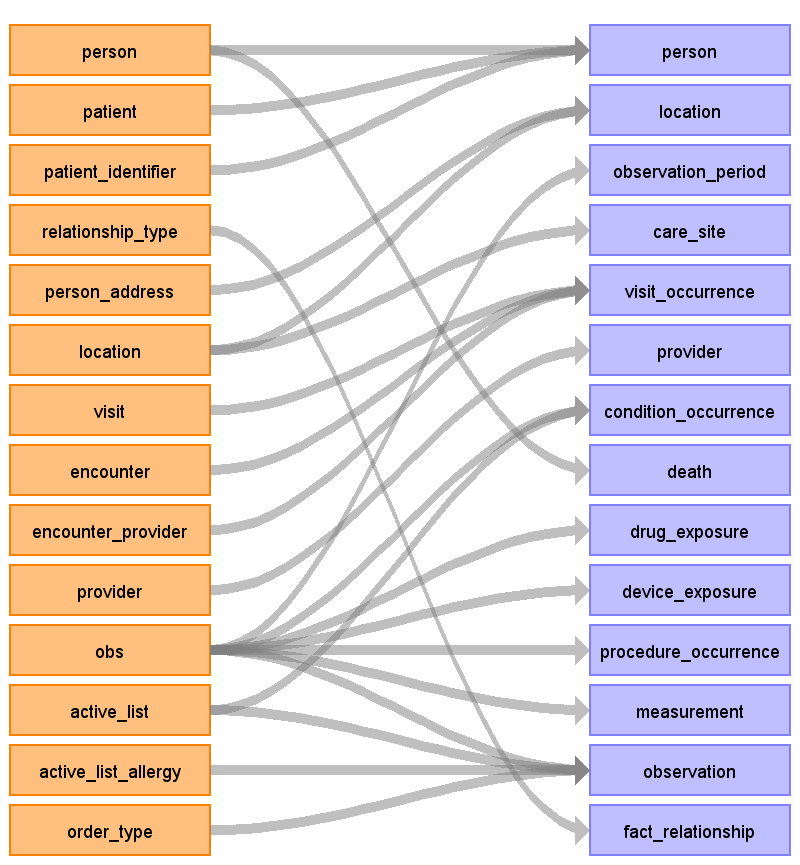
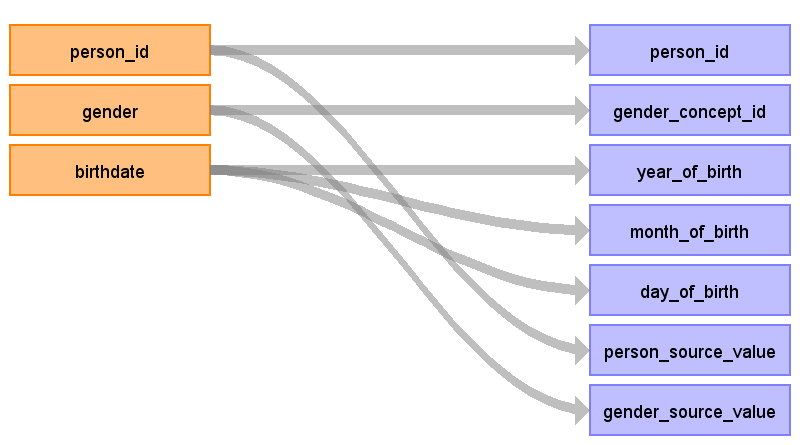


Table name: person

Reading from person



|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| person\_id | person\_id |  |  |
| gender\_concept\_id | gender | CASE WHEN gender = 'F' then GENDER\_CONCEPT\_ID = 8532 WHEN gender = 'M' then GENDER\_CONCEPT\_ID = 8507 ELSE GENDER\_CONCEPT\_ID = 0 |  |
| year\_of\_birth | birthdate | YEAR\_OF\_BIRTH = YEAR(birthdate) |  |
| month\_of\_birth | birthdate | MONTH\_OF\_BIRTH = MONTH(birthdate) |  |
| day\_of\_birth | birthdate | DAY\_OF\_BIRTH = DAY(birthdate) |  |
| time\_of\_birth |  |  |  |
| race\_concept\_id |  |  |  |
| ethnicity\_concept\_id |  |  |  |
| location\_id |  |  |  |
| provider\_id |  |  |  |
| care\_site\_id |  |  |  |
| person\_source\_value | person\_id | concatenate PERON.PERSON\_ID and PATIENT\_IDENTIFIER.IDENTIFIER |  |
| gender\_source\_value | gender |  |  |
| gender\_source\_concept\_id |  |  |  |
| race\_source\_value |  |  |  |
| race\_source\_concept\_id |  |  |  |
| ethnicity\_source\_value |  |  |  |
| ethnicity\_source\_concept\_id |  |  |  |

Reading from patient

restrict records in the PERSON table to only that PERSON\_ID with a PATIENT\_ID in the PATIENT table

we want to keep patient\_Id



|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| person\_id |  |  |  |
| gender\_concept\_id |  |  |  |
| year\_of\_birth |  |  |  |
| month\_of\_birth |  |  |  |
| day\_of\_birth |  |  |  |
| time\_of\_birth |  |  |  |
| race\_concept\_id |  |  |  |
| ethnicity\_concept\_id |  |  |  |
| location\_id |  |  |  |
| provider\_id |  |  |  |
| care\_site\_id |  |  |  |
| person\_source\_value | patient\_id | PERSON\_SOURCE\_VALUE = concatenation of PATIENT.PATIENT\_ID and PATIENT\_IDENTIFIER.IDENTIFIER |  |
| gender\_source\_value |  |  |  |
| gender\_source\_concept\_id |  |  |  |
| race\_source\_value |  |  |  |
| race\_source\_concept\_id |  |  |  |
| ethnicity\_source\_value |  |  |  |
| ethnicity\_source\_concept\_id |  |  |  |

Reading from patient\_identifier

If VOIDED = 1, remove from OBS, do not allow data forward to OMOP CDM

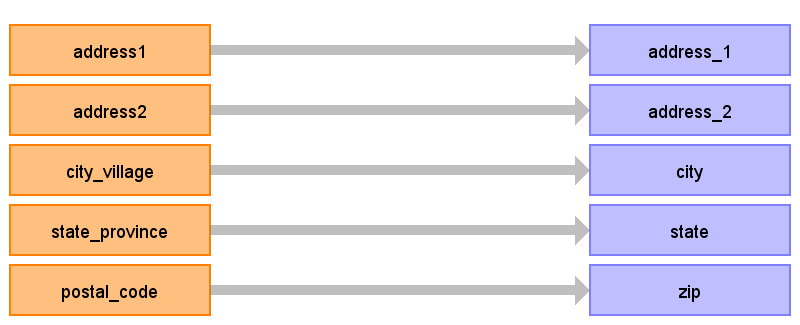


|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| person\_id |  |  |  |
| gender\_concept\_id |  |  |  |
| year\_of\_birth |  |  |  |
| month\_of\_birth |  |  |  |
| day\_of\_birth |  |  |  |
| time\_of\_birth |  |  |  |
| race\_concept\_id |  |  |  |
| ethnicity\_concept\_id |  |  |  |
| location\_id |  |  |  |
| provider\_id |  |  |  |
| care\_site\_id |  |  |  |
| person\_source\_value | identifier |  |  |
| gender\_source\_value |  |  |  |
| gender\_source\_concept\_id |  |  |  |
| race\_source\_value |  |  |  |
| race\_source\_concept\_id |  |  |  |
| ethnicity\_source\_value |  |  |  |
| ethnicity\_source\_concept\_id |  |  |  |

Table name: location

Reading from location

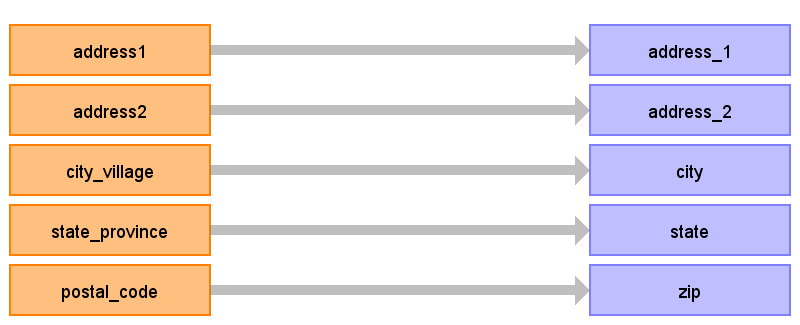
SELECT DISTINCT address/city/state/ , because LOCATION in OpenMRS is really a caresite, and could have multple names for the same physical location



|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| location\_id |  |  |  |
| address\_1 | address1 |  |  |
| address\_2 | address2 |  |  |
| city | city\_village |  |  |
| state | state\_province |  |  |
| zip | postal\_code |  |  |
| county |  |  |  |
| location\_source\_value |  |  |  |

Reading from person\_address

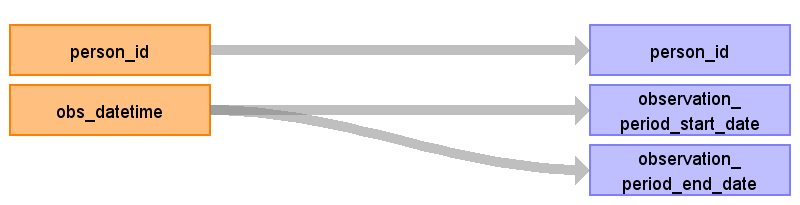
Take the most recent person\_address for the location table



|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| location\_id |  |  |  |
| address\_1 | address1 |  |  |
| address\_2 | address2 |  |  |
| city | city\_village |  |  |
| state | state\_province |  |  |
| zip | postal\_code |  |  |
| county |  |  |  |
| location\_source\_value |  |  |  |

Table name: observation\_period

Reading from obs



|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| observation\_period\_id |  |  |  |
| person\_id | person\_id |  | ACTION: OpenMRS to determine the reasonable time window of unobservables, to infer how to build observation periods. until that's done, use first obs -> last obs. censored on last overall obs date |
| observation\_period\_start\_date | obs\_datetime | min(obs\_datetime) for that patient |  |
| observation\_period\_end\_date | obs\_datetime | max(obs\_datetime) for that patient |  |
| period\_type\_concept\_id |  |  |  |

Table name: care\_site

Reading from location

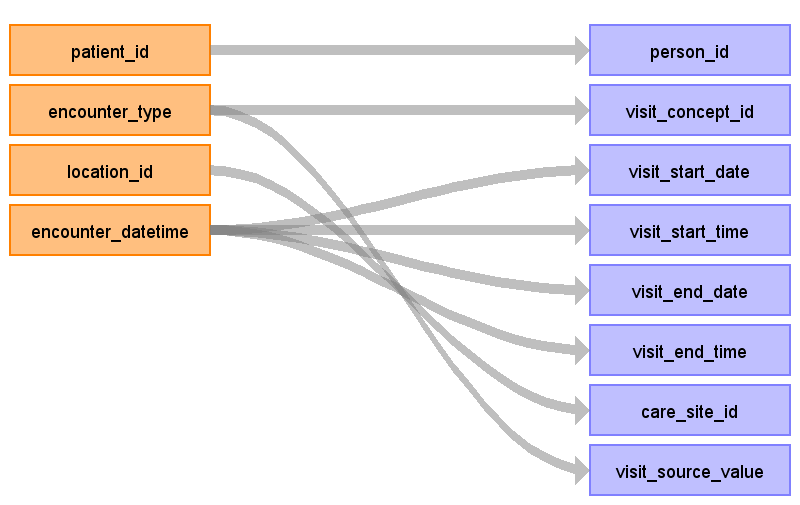


|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| care\_site\_id |  |  |  |
| care\_site\_name | name |  |  |
| place\_of\_service\_concept\_id |  |  |  |
| location\_id | address1 | map to CDM.LOCATION.LOCATION\_ID that was derived fromt the OpenMRS.LOCATION table. |  |
| care\_site\_source\_value |  |  |  |
| place\_of\_service\_source\_value |  |  |  |

Table name: visit\_occurrence

Reading from encounter

There are likely two scenarios: If you have VISIT in the OpenMRS database, then you'd follow one logic If you don't have VISIT, you'll infer all OMOP CDM VISITS from ENCOUNTERS



|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| visit\_occurrence\_id |  |  |  |
| person\_id | patient\_id |  |  |
| visit\_concept\_id | encounter\_type |  | ACTION: Paul to create mapping from encounter\_type to VISIT\_CONCEPT\_ID From demo data, we know we only have outpatient visits: concept\_id concept\_name 9202 Outpatient Visit |
| visit\_start\_date | encounter\_datetime |  |  |
| visit\_start\_time | encounter\_datetime |  |  |
| visit\_end\_date | encounter\_datetime | extract date from ENCOUNTER\_DATETIME |  |
| visit\_end\_time | encounter\_datetime |  |  |
| visit\_type\_concept\_id |  |  | concept\_id concept\_name 44818518 Visit derived from EHR record |
| provider\_id |  |  |  |
| care\_site\_id | location\_id |  |  |
| visit\_source\_value | encounter\_type |  |  |
| visit\_source\_concept\_id |  |  |  |

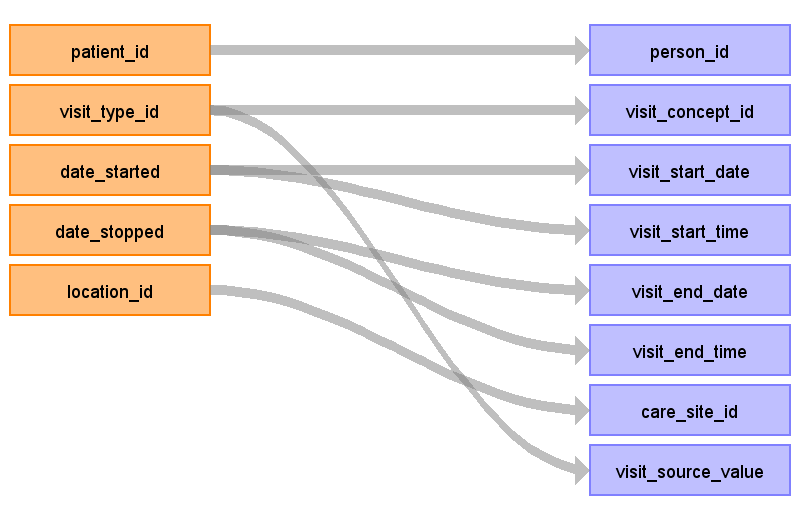
Reading from encounter\_provider

For each ENCOUNTER, select ENCOUNTER\_PROVIDER.PROVIDER\_ID where ENCOUNTER\_ROLE\_ID = 'Physician' (ACTION: find proper value)

Generated

|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| visit\_occurrence\_id |  |  |  |
| person\_id |  |  |  |
| visit\_concept\_id |  |  |  |
| visit\_start\_date |  |  |  |
| visit\_start\_time |  |  |  |
| visit\_end\_date |  |  |  |
| visit\_end\_time |  |  |  |
| visit\_type\_concept\_id |  |  | concept\_id concept\_name 44818518 Visit derived from EHR record |
| provider\_id |  |  |  |
| care\_site\_id |  |  |  |
| visit\_source\_value |  |  |  |
| visit\_source\_concept\_id |  |  |  |

Reading from visit



|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| visit\_occurrence\_id |  |  |  |
| person\_id | patient\_id |  |  |
| visit\_concept\_id | visit\_type\_id |  | ACTION: Paul to create mapping from VIIST\_TYPE\_IDs to the OHDSI VISIT\_CONCEPT\_ID (inpatient/outpatient/ER) |
| visit\_start\_date | date\_started | extract date from DATE\_STARTED |  |
| visit\_start\_time | date\_started | VISIT\_START\_TIME can store the full DATE\_STARTED, don't need to extract just the time |  |
| visit\_end\_date | date\_stopped | extract date from VISIT\_END\_DATE |  |
| visit\_end\_time | date\_stopped |  |  |
| visit\_type\_concept\_id |  |  | concept\_id concept\_name 44818518 Visit derived from EHR record |
| provider\_id |  |  |  |
| care\_site\_id | location\_id |  |  |
| visit\_source\_value | visit\_type\_id |  |  |
| visit\_source\_concept\_id |  |  |  |

Table name: provider

Reading from provider

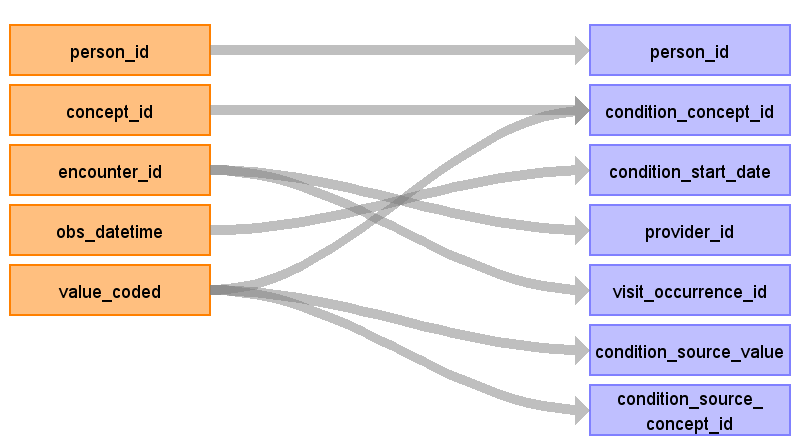
if is possible to get PROVIDER gender of YEAROFBIRTH from person table, but we didn't bother with it for now



|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| provider\_id | provider\_id |  |  |
| provider\_name | name |  |  |
| npi |  |  |  |
| dea |  |  |  |
| specialty\_concept\_id |  |  |  |
| care\_site\_id |  |  |  |
| year\_of\_birth |  |  |  |
| gender\_concept\_id |  |  |  |
| provider\_source\_value |  |  |  |
| specialty\_source\_value |  |  |  |
| specialty\_source\_concept\_id |  |  |  |
| gender\_source\_value |  |  |  |
| gender\_source\_concept\_id |  |  |  |

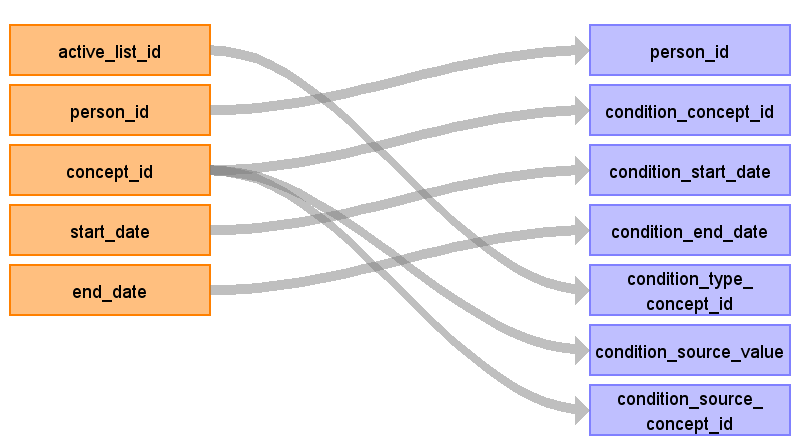
Table name: condition\_occurrence

Reading from obs



|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| condition\_occurrence\_id |  |  |  |
| person\_id | person\_id |  |  |
| condition\_concept\_id | value\_coded concept\_id | VALUE\_CODED maps to a OHDSI concept which had a DOMAIN = 'Condition' | limit to OBS records were value\_coded is not null. ACTION: determine which CONCEPT\_IDs give rise to conditions from the VALUE\_CODED field 345pm DECISION: proposal moving forward: when there is a question CONCEPT\_ID that refers to a OHDSI domain (ex. problem added), we will only take them when the value\_coded is a vaid OHDSI concept that is mapped into vocabulary with the corresponding domain. there will be valid answers that won't be mapped to OHDSI, we can start to call them OBSERVATION, need to do our due diligence to figure out if they can be mapped elsewhere in the future. antoher option to be considered: look at value\_coded and accept all concepts that meet valid OHDSI mappings to corresponding domains except for question CONCEPT\_IDs known to disqualfy the record (ex. family history, problem removed) |
| condition\_start\_date | obs\_datetime | extract date from obs\_datetime |  |
| condition\_end\_date |  |  |  |
| condition\_type\_concept\_id |  |  |  |
| stop\_reason |  |  |  |
| provider\_id | encounter\_id |  | use the provider assigned to the visit for the obs |
| visit\_occurrence\_id | encounter\_id |  | Encournter\_id is used to produce VISIT, build a shadow ETL table that holds encounterId and visitId to use to make this table as we go along |
| condition\_source\_value | value\_coded |  |  |
| condition\_source\_concept\_id | value\_coded |  |  |

Reading from active\_list



|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| condition\_occurrence\_id |  |  |  |
| person\_id | person\_id |  |  |
| condition\_concept\_id | concept\_id | Filter where CONCEPT\_ID maps to OHDSI.CONCEPT\_ID with domain= 'Condition' |  |
| condition\_start\_date | start\_date |  |  |
| condition\_end\_date | end\_date |  |  |
| condition\_type\_concept\_id | active\_list\_id | concept\_id concept\_name 38000245 EHR problem list entry |  |
| stop\_reason |  |  |  |
| provider\_id |  |  |  |
| visit\_occurrence\_id |  |  |  |
| condition\_source\_value | concept\_id |  |  |
| condition\_source\_concept\_id | concept\_id |  |  |

Table name: death

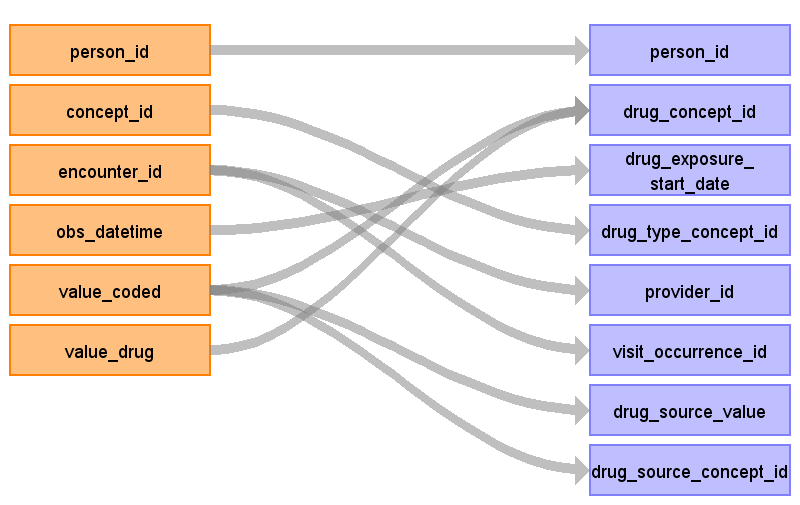
Reading from person

Generated

|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| person\_id |  |  |  |
| death\_date |  |  |  |
| death\_type\_concept\_id |  |  |  |
| cause\_concept\_id |  |  |  |
| cause\_source\_value |  |  |  |
| cause\_source\_concept\_id |  |  |  |

Table name: drug\_exposure

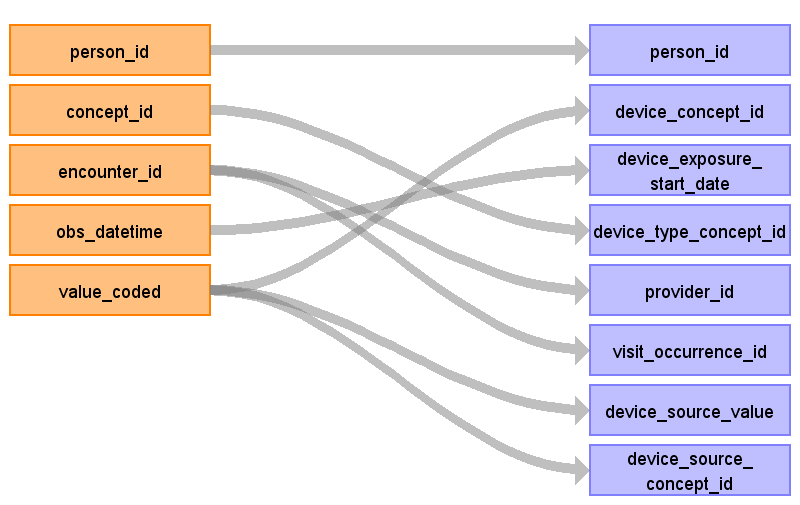
Reading from obs



|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| drug\_exposure\_id |  |  |  |
| person\_id | person\_id |  |  |
| drug\_concept\_id | value\_coded value\_drug | VALUE\_CODED maps to CONCEPT to DRUG, that gets you the most granular concept, which then should be mapped to OHDSI standard CONCEPT\_ID restrict to those with DOMAIN = 'Drug' | We need to figure out whether the drug makes it into value\_coded, sometimes it may be value\_drug if value\_drug is not null use value\_drug else value\_coded |
| drug\_exposure\_start\_date | obs\_datetime | extract date from OBS\_DATETIME |  |
| drug\_exposure\_end\_date |  |  |  |
| drug\_type\_concept\_id | concept\_id |  | ACTION: Paul to create mapping from question concepts around drugs to DRUG\_TYPE\_CONCEPT\_ID |
| stop\_reason |  |  |  |
| refills |  |  |  |
| quantity |  |  |  |
| days\_supply |  |  |  |
| sig |  |  |  |
| route\_concept\_id |  |  |  |
| effective\_drug\_dose |  |  |  |
| dose\_unit\_concept\_id |  |  |  |
| lot\_number |  |  |  |
| provider\_id | encounter\_id |  |  |
| visit\_occurrence\_id | encounter\_id |  |  |
| drug\_source\_value | value\_coded |  |  |
| drug\_source\_concept\_id | value\_coded |  |  |
| route\_source\_value |  |  |  |
| dose\_unit\_source\_value |  |  |  |

Table name: device\_exposure

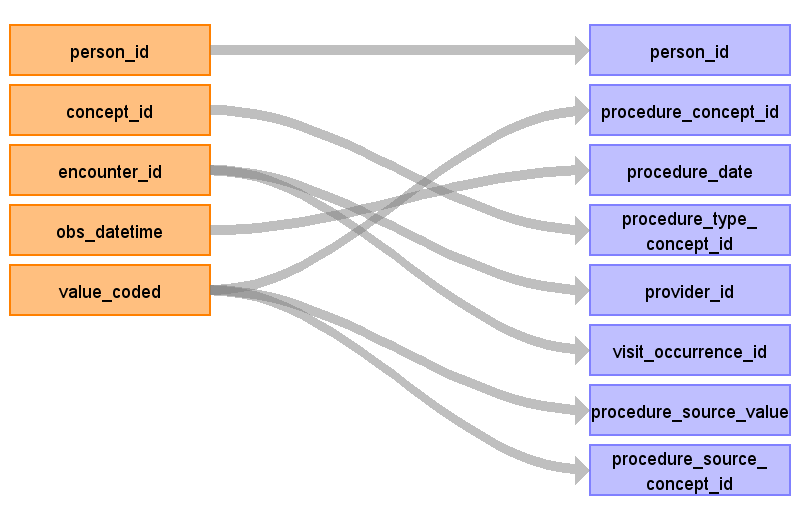
Reading from obs



|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| device\_exposure\_id |  |  |  |
| person\_id | person\_id |  |  |
| device\_concept\_id | value\_coded | restrict to concepts where domain = 'DEVICE' |  |
| device\_exposure\_start\_date | obs\_datetime | extract date from OBS\_DATETIME |  |
| device\_exposure\_end\_date |  |  |  |
| device\_type\_concept\_id | concept\_id |  | concept\_id concept\_name 44818707 EHR Detail |
| unique\_device\_id |  |  |  |
| quantity |  |  |  |
| provider\_id | encounter\_id |  |  |
| visit\_occurrence\_id | encounter\_id |  |  |
| device\_source\_value | value\_coded |  |  |
| device\_source\_concept\_id | value\_coded |  |  |

Table name: procedure\_occurrence

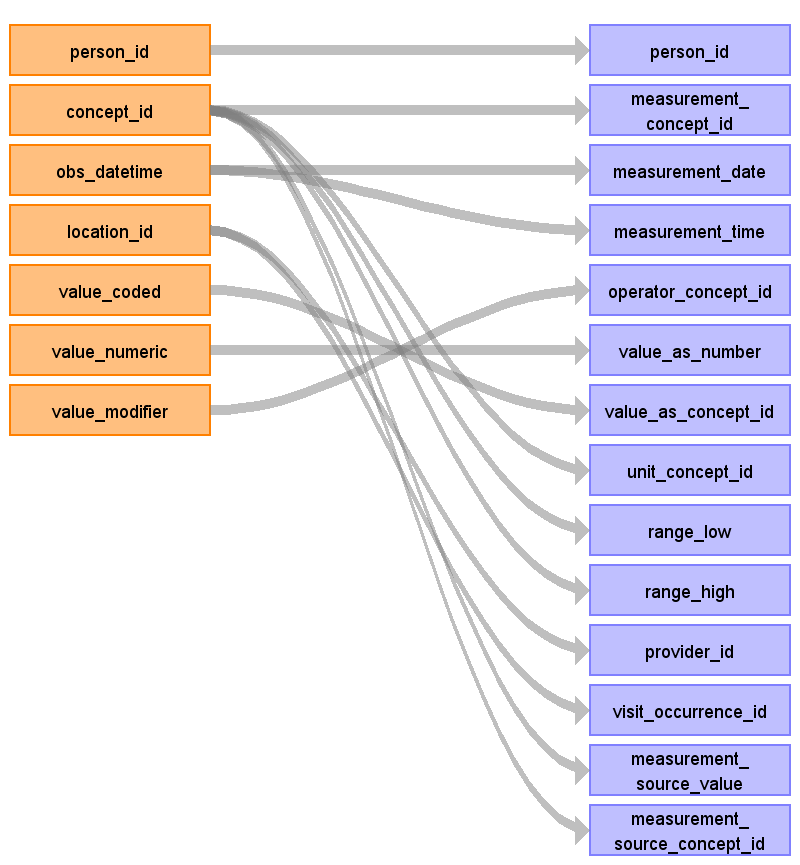
Reading from obs



|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| procedure\_occurrence\_id |  |  |  |
| person\_id | person\_id |  |  |
| procedure\_concept\_id | value\_coded | value\_coded where maps to concept with domain= 'Procedure' |  |
| procedure\_date | obs\_datetime |  |  |
| procedure\_type\_concept\_id | concept\_id |  | concept\_id concept\_name 38000275 EHR order list entry concept\_id concept\_name 42898141 Referral record |
| modifier\_concept\_id |  |  |  |
| quantity |  |  |  |
| provider\_id | encounter\_id |  |  |
| visit\_occurrence\_id | encounter\_id |  |  |
| procedure\_source\_value | value\_coded |  |  |
| procedure\_source\_concept\_id | value\_coded |  |  |
| qualifier\_source\_value |  |  |  |

Table name: measurement

Reading from obs



|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| measurement\_id |  |  |  |
| person\_id | person\_id |  |  |
| measurement\_concept\_id | concept\_id | where concept\_id maps to concept with domain = 'Measurement' |  |
| measurement\_date | obs\_datetime | extract date from OBS\_DATETIME |  |
| measurement\_time | obs\_datetime |  |  |
| measurement\_type\_concept\_id |  |  |  |
| operator\_concept\_id | value\_modifier |  | ACTION: Paul to map VALUE\_MODIFIER to SNOMED OPERATOR\_CONCEPT\_ID (<, <=, =, >, >=) |
| value\_as\_number | value\_numeric |  |  |
| value\_as\_concept\_id | value\_coded |  |  |
| unit\_concept\_id | concept\_id |  | ACTION: Christian, create mapping from CIEL concept\_numeric to LOINC concpets for the measurement AND UCUM concept for the unit |
| range\_low | concept\_id |  | extract RANGE\_LOW and RANGE\_HIGH from CONCEPT\_NUMERIC.NORMAL\_HIGH and NORMAL\_LOW, as part of the mapping from OpenMRS CONCEPT to OHDSI CONCEPT table for measurements |
| range\_high | concept\_id |  |  |
| provider\_id | location\_id |  |  |
| visit\_occurrence\_id | location\_id |  |  |
| measurement\_source\_value | concept\_id |  |  |
| measurement\_source\_concept\_id | concept\_id |  |  |
| unit\_source\_value |  |  |  |
| value\_source\_value |  |  |  |

Table name: observation

Reading from active\_list\_allergy

Generated

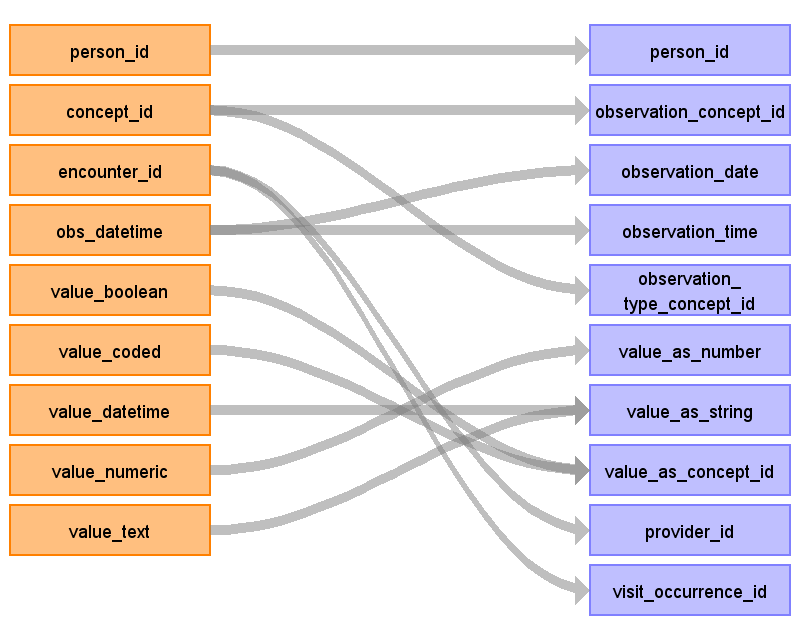
|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| observation\_id |  |  |  |
| person\_id |  |  |  |
| observation\_concept\_id |  |  |  |
| observation\_date |  |  |  |
| observation\_time |  |  |  |
| observation\_type\_concept\_id |  |  |  |
| value\_as\_number |  |  |  |
| value\_as\_string |  |  |  |
| value\_as\_concept\_id |  |  |  |
| qualifier\_concept\_id |  |  |  |
| unit\_concept\_id |  |  |  |
| provider\_id |  |  |  |
| visit\_occurrence\_id |  |  |  |
| observation\_source\_value |  |  |  |
| observation\_source\_concept\_id |  |  |  |
| unit\_source\_value |  |  |  |
| qualifier\_source\_value |  |  |  |

Reading from active\_list

Generated

|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| observation\_id |  |  |  |
| person\_id |  |  |  |
| observation\_concept\_id |  |  |  |
| observation\_date |  |  |  |
| observation\_time |  |  |  |
| observation\_type\_concept\_id |  |  |  |
| value\_as\_number |  |  |  |
| value\_as\_string |  |  |  |
| value\_as\_concept\_id |  |  |  |
| qualifier\_concept\_id |  |  |  |
| unit\_concept\_id |  |  |  |
| provider\_id |  |  |  |
| visit\_occurrence\_id |  |  |  |
| observation\_source\_value |  |  |  |
| observation\_source\_concept\_id |  |  |  |
| unit\_source\_value |  |  |  |
| qualifier\_source\_value |  |  |  |

Reading from obs



|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| observation\_id |  |  |  |
| person\_id | person\_id |  |  |
| observation\_concept\_id | concept\_id |  |  |
| observation\_date | obs\_datetime |  |  |
| observation\_time | obs\_datetime |  |  |
| observation\_type\_concept\_id | concept\_id |  |  |
| value\_as\_number | value\_numeric |  |  |
| value\_as\_string | value\_datetime value\_text | CONCATENATE VALUE\_TEXT and VALUE\_DATETIME (one of them is always null) |  |
| value\_as\_concept\_id | value\_coded value\_boolean |  |  |
| qualifier\_concept\_id |  |  |  |
| unit\_concept\_id |  |  |  |
| provider\_id | encounter\_id |  |  |
| visit\_occurrence\_id | encounter\_id |  |  |
| observation\_source\_value |  |  |  |
| observation\_source\_concept\_id |  |  |  |
| unit\_source\_value |  |  |  |
| qualifier\_source\_value |  |  |  |

Reading from order\_type

NOTE, we're missing ORDERS and DRUG\_ORDER from OpenMRS that would generate infromation that would go across multipple domains based on the CONCEPT\_ID

Generated

|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| observation\_id |  |  |  |
| person\_id |  |  |  |
| observation\_concept\_id |  |  |  |
| observation\_date |  |  |  |
| observation\_time |  |  |  |
| observation\_type\_concept\_id |  |  |  |
| value\_as\_number |  |  |  |
| value\_as\_string |  |  |  |
| value\_as\_concept\_id |  |  |  |
| qualifier\_concept\_id |  |  |  |
| unit\_concept\_id |  |  |  |
| provider\_id |  |  |  |
| visit\_occurrence\_id |  |  |  |
| observation\_source\_value |  |  |  |
| observation\_source\_concept\_id |  |  |  |
| unit\_source\_value |  |  |  |
| qualifier\_source\_value |  |  |  |

Table name: note

Table name: specimen

Table name: fact\_relationship

Reading from relationship\_type

RELATIONSHIP is the table that contains parent-child linkage, which may be useful to pull over if available

Generated

|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| domain\_concept\_id\_1 |  |  |  |
| fact\_id\_1 |  |  |  |
| domain\_concept\_id\_2 |  |  |  |
| fact\_id\_2 |  |  |  |
| relationship\_concept\_id |  |  |  |

Table name: procedure\_cost

Table name: visit\_cost

Table name: drug\_cost

Table name: payer\_plan\_period

Table name: device\_cost

Table name: drug\_era

Table name: dose\_era

Table name: condition\_era

Table name: cdm\_source

Table name: cohort

Table name: cohort\_definition

Table name: cohort\_attribute

Table name: attribute\_definition

Appendix: source tables

Table: person

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| person\_id | int | List truncated... |  |
| gender | varchar | F |  |
| birthdate | date | List truncated... |  |
| birthdate\_estimated | tinyint | 0 |  |
| dead | tinyint | 0 |  |
| death\_date | datetime |  |  |
| cause\_of\_death | int |  |  |
| creator | int | 1 |  |
| date\_created | datetime | 2006-01-18.0 |  |
| changed\_by | int |  |  |
| date\_changed | datetime |  |  |
| voided | tinyint | 0 | If VOIDED = 1, remove from OBS, do not allow data forward to OMOP CDM |
| voided\_by | int |  |  |
| date\_voided | datetime |  |  |
| void\_reason | varchar |  |  |
| uuid | char | List truncated... |  |

Table: patient

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| patient\_id | int | List truncated... |  |
| tribe | int | 3 |  |
| creator | int | 1 |  |
| date\_created | datetime | 2006-01-18.0 |  |
| changed\_by | int |  |  |
| date\_changed | datetime |  |  |
| voided | tinyint | 0 | If VOIDED = 1, remove from OBS, do not allow data forward to OMOP CDM |
| voided\_by | int |  |  |
| date\_voided | datetime |  |  |
| void\_reason | varchar |  |  |
| allergy\_status | varchar | Unknown |  |

Table: patient\_identifier

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| patient\_identifier\_id | int | List truncated... |  |
| patient\_id | int | List truncated... |  |
| identifier | varchar | List truncated... |  |
| identifier\_type | int | 1 |  |
| preferred | tinyint | 0 |  |
| location\_id | int | 2 |  |
| creator | int | 1 |  |
| date\_created | datetime | 2006-01-18.0 |  |
| voided | tinyint | 0 |  |
| voided\_by | int |  |  |
| date\_voided | datetime |  |  |
| void\_reason | varchar |  |  |
| uuid | char | List truncated... |  |
| date\_changed | datetime |  |  |
| changed\_by | int |  |  |

Table: relationship\_type

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| relationship\_type\_id | int | List truncated... |  |
| a\_is\_to\_b | varchar | List truncated... |  |
| b\_is\_to\_a | varchar | List truncated... |  |
| preferred | int | List truncated... |  |
| weight | int | List truncated... |  |
| description | varchar | List truncated... |  |
| creator | int | List truncated... |  |
| date\_created | datetime | List truncated... |  |
| uuid | char | List truncated... |  |
| retired | tinyint | List truncated... |  |
| retired\_by | int | List truncated... |  |
| date\_retired | datetime | List truncated... |  |
| retire\_reason | varchar | List truncated... |  |

Table: person\_address

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| person\_address\_id | int | List truncated... |  |
| address1 | varchar |  |  |
| address2 | varchar |  |  |
| person\_id | int | List truncated... |  |
| preferred | tinyint | 0 |  |
| city\_village | varchar | List truncated... |  |
| state\_province | varchar |  |  |
| postal\_code | varchar |  |  |
| country | varchar |  |  |
| latitude | varchar |  |  |
| longitude | varchar |  |  |
| creator | int | 1 |  |
| date\_created | datetime | 2006-01-18.0 |  |
| voided | tinyint | 0 |  |
| voided\_by | int |  |  |
| date\_voided | datetime |  |  |
| void\_reason | varchar |  |  |
| county\_district | varchar |  |  |
| address3 | varchar |  |  |
| address6 | varchar |  |  |
| address5 | varchar |  |  |
| address4 | varchar |  |  |
| uuid | char | List truncated... |  |
| date\_changed | datetime |  |  |
| changed\_by | int |  |  |
| start\_date | datetime |  |  |
| end\_date | datetime |  |  |

Table: location

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| location\_id | int | List truncated... |  |
| name | varchar | List truncated... |  |
| description | varchar |  |  |
| address1 | varchar |  |  |
| address2 | varchar |  |  |
| city\_village | varchar |  |  |
| state\_province | varchar |  |  |
| postal\_code | varchar |  |  |
| country | varchar |  |  |
| latitude | varchar |  |  |
| longitude | varchar |  |  |
| creator | int | List truncated... |  |
| date\_created | datetime | List truncated... |  |
| county\_district | varchar |  |  |
| address3 | varchar |  |  |
| address6 | varchar |  |  |
| address5 | varchar |  |  |
| address4 | varchar |  |  |
| retired | tinyint | 0 |  |
| retired\_by | int |  |  |
| date\_retired | datetime |  |  |
| retire\_reason | varchar |  |  |
| parent\_location | int | List truncated... |  |
| uuid | char | List truncated... |  |
| changed\_by | int | List truncated... |  |
| date\_changed | datetime | List truncated... |  |

Table: visit

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| visit\_id | int | List truncated... |  |
| patient\_id | int | List truncated... |  |
| visit\_type\_id | int | List truncated... |  |
| date\_started | datetime | List truncated... |  |
| date\_stopped | datetime | List truncated... |  |
| indication\_concept\_id | int | List truncated... |  |
| location\_id | int | List truncated... |  |
| creator | int | List truncated... |  |
| date\_created | datetime | List truncated... |  |
| changed\_by | int | List truncated... |  |
| date\_changed | datetime | List truncated... |  |
| voided | tinyint | List truncated... | If VOIDED = 1, remove from OBS, do not allow data forward to OMOP CDM |
| voided\_by | int | List truncated... |  |
| date\_voided | datetime | List truncated... |  |
| void\_reason | varchar | List truncated... |  |
| uuid | char | List truncated... |  |

Table: visit\_type

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| visit\_type\_id | int | List truncated... |  |
| name | varchar | List truncated... |  |
| description | varchar | List truncated... |  |
| uuid | char | List truncated... |  |
| creator | int | List truncated... |  |
| date\_created | datetime | List truncated... |  |
| changed\_by | int | List truncated... |  |
| date\_changed | datetime | List truncated... |  |
| retired | tinyint | List truncated... |  |
| retired\_by | int | List truncated... |  |
| date\_retired | datetime | List truncated... |  |
| retire\_reason | varchar | List truncated... |  |

Table: encounter

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| encounter\_id | int | List truncated... |  |
| patient\_id | int | List truncated... |  |
| encounter\_type | int | 2 |  |
| location\_id | int | 1 |  |
| form\_id | int |  |  |
| encounter\_datetime | datetime | 2006-06-08.0 |  |
| creator | int | 1 |  |
| date\_created | datetime | List truncated... |  |
| voided | tinyint | 0 | If VOIDED = 1, remove from OBS, do not allow data forward to OMOP CDM |
| voided\_by | int |  |  |
| date\_voided | datetime |  |  |
| void\_reason | varchar |  |  |
| uuid | char | List truncated... |  |
| changed\_by | int |  |  |
| date\_changed | datetime |  |  |
| visit\_id | int |  |  |

Table: encounter\_type

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| encounter\_type\_id | int | List truncated... |  |
| name | varchar | List truncated... |  |
| description | text | List truncated... |  |
| creator | int | List truncated... |  |
| date\_created | datetime | List truncated... |  |
| retired | tinyint | List truncated... |  |
| retired\_by | int | List truncated... |  |
| date\_retired | datetime | List truncated... |  |
| retire\_reason | varchar | List truncated... |  |
| uuid | char | List truncated... |  |

Table: encounter\_provider

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| encounter\_provider\_id | int | List truncated... |  |
| encounter\_id | int | List truncated... |  |
| provider\_id | int | 1 |  |
| encounter\_role\_id | int | 1 |  |
| creator | int | 1 |  |
| date\_created | datetime | List truncated... |  |
| changed\_by | int |  |  |
| date\_changed | datetime |  |  |
| voided | tinyint | 0 | If VOIDED = 1, remove from OBS, do not allow data forward to OMOP CDM |
| date\_voided | datetime |  |  |
| voided\_by | int |  |  |
| void\_reason | varchar |  |  |
| uuid | char | List truncated... |  |

Table: provider

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| provider\_id | int | List truncated... |  |
| person\_id | int | List truncated... |  |
| name | varchar | List truncated... |  |
| identifier | varchar | List truncated... |  |
| creator | int | List truncated... |  |
| date\_created | datetime | List truncated... |  |
| changed\_by | int | List truncated... |  |
| date\_changed | datetime | List truncated... |  |
| retired | tinyint | List truncated... |  |
| retired\_by | int | List truncated... |  |
| date\_retired | datetime | List truncated... |  |
| retire\_reason | varchar | List truncated... |  |
| uuid | char | List truncated... |  |
| provider\_role\_id | int | List truncated... |  |

Table: obs

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| obs\_id | int | List truncated... |  |
| person\_id | int | 2429 |  |
| concept\_id | int | 1088 |  |
| encounter\_id | int | 1559 |  |
| order\_id | int |  |  |
| obs\_datetime | datetime | 2006-06-08.0 |  |
| location\_id | int | 1 |  |
| obs\_group\_id | int |  |  |
| accession\_number | varchar |  |  |
| value\_group\_id | int |  |  |
| value\_boolean | tinyint |  |  |
| value\_coded | int |  |  |
| value\_coded\_name\_id | int |  |  |
| value\_drug | int |  |  |
| value\_datetime | datetime |  |  |
| value\_numeric | double |  |  |
| value\_modifier | varchar |  |  |
| value\_text | text |  |  |
| comments | varchar |  |  |
| creator | int | 1 |  |
| date\_created | datetime | 2006-05-22 08:52:08.0 |  |
| voided | tinyint | 0 | If VOIDED = 1, remove from OBS, do not allow data forward to OMOP CDM |
| voided\_by | int | 1 |  |
| date\_voided | datetime |  |  |
| void\_reason | varchar |  |  |
| value\_complex | varchar |  |  |
| uuid | char | List truncated... |  |
| previous\_version | int |  |  |

Table: active\_list

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| active\_list\_id | int | List truncated... |  |
| active\_list\_type\_id | int | List truncated... |  |
| person\_id | int | List truncated... |  |
| concept\_id | int | List truncated... |  |
| start\_obs\_id | int | List truncated... |  |
| stop\_obs\_id | int | List truncated... |  |
| start\_date | datetime | List truncated... |  |
| end\_date | datetime | List truncated... |  |
| comments | varchar | List truncated... |  |
| creator | int | List truncated... |  |
| date\_created | datetime | List truncated... |  |
| voided | tinyint | List truncated... | If VOIDED = 1, remove from OBS, do not allow data forward to OMOP CDM |
| voided\_by | int | List truncated... |  |
| date\_voided | datetime | List truncated... |  |
| void\_reason | varchar | List truncated... |  |
| uuid | char | List truncated... |  |

Table: active\_list\_allergy

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| active\_list\_id | int | List truncated... |  |
| allergy\_type | varchar | List truncated... |  |
| reaction\_concept\_id | int | List truncated... |  |
| severity | varchar | List truncated... |  |

Table: order\_type

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| order\_type\_id | int | List truncated... |  |
| name | varchar | List truncated... |  |
| description | varchar | List truncated... |  |
| creator | int | List truncated... |  |
| date\_created | datetime | List truncated... |  |
| retired | tinyint | List truncated... |  |
| retired\_by | int | List truncated... |  |
| date\_retired | datetime | List truncated... |  |
| retire\_reason | varchar | List truncated... |  |
| uuid | char | List truncated... |  |

Table: active\_list\_type

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| active\_list\_type\_id | int | List truncated... |  |
| name | varchar | List truncated... |  |
| description | varchar | List truncated... |  |
| creator | int | List truncated... |  |
| date\_created | datetime | List truncated... |  |
| retired | tinyint | List truncated... |  |
| retired\_by | int | List truncated... |  |
| date\_retired | datetime | List truncated... |  |
| retire\_reason | varchar | List truncated... |  |
| uuid | char | List truncated... |  |

Table: allergy

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| allergy\_id | int | List truncated... |  |
| patient\_id | int | List truncated... |  |
| severity\_concept\_id | int | List truncated... |  |
| coded\_allergen | int | List truncated... |  |
| non\_coded\_allergen | varchar | List truncated... |  |
| allergen\_type | varchar | List truncated... |  |
| comment | varchar | List truncated... |  |
| creator | int | List truncated... |  |
| date\_created | datetime | List truncated... |  |
| changed\_by | int | List truncated... |  |
| date\_changed | datetime | List truncated... |  |
| voided | tinyint | List truncated... |  |
| voided\_by | int | List truncated... |  |
| date\_voided | datetime | List truncated... |  |
| void\_reason | varchar | List truncated... |  |
| uuid | char | List truncated... |  |

Table: allergy\_reaction

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| allergy\_reaction\_id | int | List truncated... |  |
| allergy\_id | int | List truncated... |  |
| reaction\_concept\_id | int | List truncated... |  |
| reaction\_non\_coded | varchar | List truncated... |  |
| uuid | char | List truncated... |  |

Table: appframework\_component\_state

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| component\_state\_id | int | List truncated... |  |
| uuid | char | List truncated... |  |
| component\_id | varchar | List truncated... |  |
| component\_type | varchar | List truncated... |  |
| enabled | tinyint | List truncated... |  |

Table: concept

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| concept\_id | int | List truncated... |  |
| retired | tinyint | 0 |  |
| short\_name | varchar |  |  |
| description | text |  |  |
| form\_text | text |  |  |
| datatype\_id | int | 4 |  |
| class\_id | int | 1 |  |
| is\_set | tinyint | 0 |  |
| creator | int | 1 |  |
| date\_created | datetime | 2004-08-12.0 |  |
| version | varchar |  |  |
| changed\_by | int | 1 |  |
| date\_changed | datetime |  |  |
| retired\_by | int |  |  |
| date\_retired | datetime |  |  |
| retire\_reason | varchar |  |  |
| uuid | char | List truncated... |  |

Table: concept\_answer

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| concept\_answer\_id | int | List truncated... |  |
| concept\_id | int | 1208 |  |
| answer\_concept | int | 1115 |  |
| answer\_drug | int |  |  |
| creator | int | 1 |  |
| date\_created | datetime | 2005-02-09.0 |  |
| uuid | char | List truncated... |  |
| sort\_weight | double | List truncated... |  |

Table: concept\_class

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| concept\_class\_id | int | List truncated... |  |
| name | varchar | List truncated... |  |
| description | varchar | List truncated... |  |
| creator | int | List truncated... |  |
| date\_created | datetime | List truncated... |  |
| retired | tinyint | List truncated... |  |
| retired\_by | int | List truncated... |  |
| date\_retired | datetime | List truncated... |  |
| retire\_reason | varchar | List truncated... |  |
| uuid | char | List truncated... |  |

Table: concept\_datatype

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| concept\_datatype\_id | int | List truncated... |  |
| name | varchar | List truncated... |  |
| hl7\_abbreviation | varchar | List truncated... |  |
| description | varchar | List truncated... |  |
| creator | int | List truncated... |  |
| date\_created | datetime | List truncated... |  |
| retired | tinyint | List truncated... |  |
| retired\_by | int | List truncated... |  |
| date\_retired | datetime | List truncated... |  |
| retire\_reason | varchar | List truncated... |  |
| uuid | char | List truncated... |  |

Table: concept\_description

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| concept\_description\_id | int | List truncated... |  |
| concept\_id | int | List truncated... |  |
| description | text | none |  |
| locale | varchar | en |  |
| creator | int | 1 |  |
| date\_created | datetime | 2004-08-12.0 |  |
| changed\_by | int |  |  |
| date\_changed | datetime |  |  |
| uuid | char | List truncated... |  |

Table: concept\_map\_type

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| concept\_map\_type\_id | int | List truncated... |  |
| name | varchar | List truncated... |  |
| description | varchar |  |  |
| creator | int | 1 |  |
| date\_created | datetime | 2012-05-15.0 |  |
| changed\_by | int |  |  |
| date\_changed | datetime |  |  |
| is\_hidden | tinyint | 1 |  |
| retired | tinyint | 0 |  |
| retired\_by | int |  |  |
| date\_retired | datetime |  |  |
| retire\_reason | varchar |  |  |
| uuid | char | List truncated... |  |

Table: concept\_name

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| concept\_id | int | 71617 |  |
| name | varchar | List truncated... |  |
| locale | varchar | en |  |
| creator | int | 1 |  |
| date\_created | datetime | 2004-08-12.0 |  |
| concept\_name\_id | int | List truncated... |  |
| voided | tinyint | 0 |  |
| voided\_by | int |  |  |
| date\_voided | datetime |  |  |
| void\_reason | varchar |  |  |
| uuid | char | List truncated... |  |
| concept\_name\_type | varchar | FULLY\_SPECIFIED |  |
| locale\_preferred | tinyint | 0 |  |

Table: concept\_numeric

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| concept\_id | int | List truncated... |  |
| hi\_absolute | double |  |  |
| hi\_critical | double |  |  |
| hi\_normal | double |  |  |
| low\_absolute | double |  |  |
| low\_critical | double |  |  |
| low\_normal | double |  |  |
| units | varchar |  |  |
| precise | tinyint | 0 |  |

Table: concept\_reference\_map

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| concept\_map\_id | int | List truncated... |  |
| creator | int | 1 |  |
| date\_created | datetime | 2013-07-03 18:53:08.0 |  |
| concept\_id | int | List truncated... |  |
| uuid | char | List truncated... |  |
| concept\_reference\_term\_id | int | List truncated... |  |
| concept\_map\_type\_id | int | 1 |  |
| changed\_by | int | 1 |  |
| date\_changed | datetime |  |  |

Table: concept\_reference\_source

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| concept\_source\_id | int | List truncated... |  |
| name | varchar | List truncated... |  |
| description | text | List truncated... |  |
| hl7\_code | varchar | List truncated... |  |
| creator | int | List truncated... |  |
| date\_created | datetime | List truncated... |  |
| retired | tinyint | List truncated... |  |
| retired\_by | int | List truncated... |  |
| date\_retired | datetime | List truncated... |  |
| retire\_reason | varchar | List truncated... |  |
| uuid | char | List truncated... |  |

Table: concept\_reference\_term

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| concept\_reference\_term\_id | int | List truncated... |  |
| concept\_source\_id | int | 21 |  |
| name | varchar |  |  |
| code | varchar | List truncated... |  |
| version | varchar |  |  |
| description | varchar |  |  |
| creator | int | 1 |  |
| date\_created | datetime | 2010-04-25.0 |  |
| date\_changed | datetime |  |  |
| changed\_by | int | 1 |  |
| retired | tinyint | 0 |  |
| retired\_by | int | 1 |  |
| date\_retired | datetime |  |  |
| retire\_reason | varchar |  |  |
| uuid | char | List truncated... |  |

Table: concept\_set

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| concept\_set\_id | int | List truncated... |  |
| concept\_id | int | List truncated... |  |
| concept\_set | int | 162384 |  |
| sort\_weight | double | 2 |  |
| creator | int | 1 |  |
| date\_created | datetime | 2005-12-15 13:26:49.0 |  |
| uuid | char | List truncated... |  |

Table: concept\_set\_derived

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| concept\_id | int | List truncated... |  |
| concept\_set | int | List truncated... |  |
| sort\_weight | double | 1 |  |
| uuid | char |  |  |

Table: concept\_stop\_word

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| concept\_stop\_word\_id | int | List truncated... |  |
| word | varchar | List truncated... |  |
| locale | varchar | List truncated... |  |
| uuid | char | List truncated... |  |

Table: concept\_word

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| concept\_word\_id | int | List truncated... |  |
| concept\_id | int | 783 |  |
| word | varchar | HIV |  |
| locale | varchar | en |  |
| concept\_name\_id | int | List truncated... |  |
| weight | double | 8.7 |  |

Table: drug

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| drug\_id | int | List truncated... |  |
| concept\_id | int | List truncated... |  |
| name | varchar | List truncated... |  |
| combination | tinyint | List truncated... |  |
| dosage\_form | int | List truncated... |  |
| dose\_strength | double | List truncated... |  |
| maximum\_daily\_dose | double | List truncated... |  |
| minimum\_daily\_dose | double | List truncated... |  |
| route | int | List truncated... |  |
| units | varchar | List truncated... |  |
| creator | int | List truncated... |  |
| date\_created | datetime | List truncated... |  |
| retired | tinyint | List truncated... |  |
| retired\_by | int | List truncated... |  |
| date\_retired | datetime | List truncated... |  |
| retire\_reason | varchar | List truncated... |  |
| uuid | char | List truncated... |  |
| date\_changed | datetime | List truncated... |  |
| changed\_by | int | List truncated... |  |

Table: encounter\_role

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| encounter\_role\_id | int | List truncated... |  |
| name | varchar | List truncated... |  |
| description | varchar | List truncated... |  |
| creator | int | List truncated... |  |
| date\_created | datetime | List truncated... |  |
| changed\_by | int | List truncated... |  |
| date\_changed | datetime | List truncated... |  |
| retired | tinyint | List truncated... |  |
| retired\_by | int | List truncated... |  |
| date\_retired | datetime | List truncated... |  |
| retire\_reason | varchar | List truncated... |  |
| uuid | char | List truncated... |  |

Table: field

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| field\_id | int | List truncated... |  |
| name | varchar | List truncated... |  |
| description | text |  |  |
| field\_type | int | 1 |  |
| concept\_id | int |  |  |
| table\_name | varchar |  |  |
| attribute\_name | varchar |  |  |
| default\_value | text |  |  |
| select\_multiple | tinyint | 0 |  |
| creator | int | 1 |  |
| date\_created | datetime | 2005-02-22 22:20:11.0 |  |
| changed\_by | int |  |  |
| date\_changed | datetime |  |  |
| retired | tinyint | 0 |  |
| retired\_by | int |  |  |
| date\_retired | datetime |  |  |
| retire\_reason | varchar |  |  |
| uuid | char | List truncated... |  |

Table: field\_type

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| field\_type\_id | int | List truncated... |  |
| name | varchar | List truncated... |  |
| description | longtext | List truncated... |  |
| is\_set | tinyint | List truncated... |  |
| creator | int | List truncated... |  |
| date\_created | datetime | List truncated... |  |
| uuid | char | List truncated... |  |

Table: form

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| form\_id | int | List truncated... |  |
| name | varchar | List truncated... |  |
| version | varchar | List truncated... |  |
| build | int | List truncated... |  |
| published | tinyint | List truncated... |  |
| description | text | List truncated... |  |
| encounter\_type | int | List truncated... |  |
| template | mediumtext | List truncated... |  |
| xslt | mediumtext | List truncated... |  |
| creator | int | List truncated... |  |
| date\_created | datetime | List truncated... |  |
| changed\_by | int | List truncated... |  |
| date\_changed | datetime | List truncated... |  |
| retired | tinyint | List truncated... |  |
| retired\_by | int | List truncated... |  |
| date\_retired | datetime | List truncated... |  |
| retired\_reason | varchar | List truncated... |  |
| uuid | char | List truncated... |  |

Table: form\_field

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| form\_field\_id | int | List truncated... |  |
| form\_id | int | 15 |  |
| field\_id | int | List truncated... |  |
| field\_number | int |  |  |
| field\_part | varchar |  |  |
| page\_number | int | 1 |  |
| parent\_form\_field | int | 356 |  |
| min\_occurs | int |  |  |
| max\_occurs | int |  |  |
| required | tinyint | 0 |  |
| changed\_by | int | 1 |  |
| date\_changed | datetime |  |  |
| creator | int | 1 |  |
| date\_created | datetime | 2005-08-06.0 |  |
| sort\_weight | float | List truncated... |  |
| uuid | char | List truncated... |  |

Table: global\_property

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| property | varchar | List truncated... |  |
| property\_value | mediumtext | false |  |
| description | text | List truncated... |  |
| uuid | char | List truncated... |  |
| datatype | varchar |  |  |
| datatype\_config | text |  |  |
| preferred\_handler | varchar |  |  |
| handler\_config | text |  |  |

Table: hl7\_source

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| hl7\_source\_id | int | List truncated... |  |
| name | varchar | List truncated... |  |
| description | tinytext | List truncated... |  |
| creator | int | List truncated... |  |
| date\_created | datetime | List truncated... |  |
| uuid | char | List truncated... |  |

Table: hl7query\_template

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| hl7query\_template\_id | int | List truncated... |  |
| uuid | char | List truncated... |  |
| creator | int | List truncated... |  |
| date\_created | datetime | List truncated... |  |
| retired | tinyint | List truncated... |  |
| retired\_by | int | List truncated... |  |
| date\_retired | datetime | List truncated... |  |
| retire\_reason | varchar | List truncated... |  |
| changed\_by | int | List truncated... |  |
| date\_changed | datetime | List truncated... |  |
| name | varchar | List truncated... |  |
| description | varchar | List truncated... |  |
| language | varchar | List truncated... |  |
| hl7\_entity | varchar | List truncated... |  |
| template | longtext | List truncated... |  |

Table: htmlformentry\_html\_form

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| id | int | List truncated... |  |
| form\_id | int | List truncated... |  |
| name | varchar | List truncated... |  |
| xml\_data | mediumtext | List truncated... |  |
| creator | int | List truncated... |  |
| date\_created | datetime | List truncated... |  |
| changed\_by | int | List truncated... |  |
| date\_changed | datetime | List truncated... |  |
| retired | tinyint | List truncated... |  |
| uuid | char | List truncated... |  |
| description | varchar | List truncated... |  |
| retired\_by | int | List truncated... |  |
| date\_retired | datetime | List truncated... |  |
| retire\_reason | varchar | List truncated... |  |

Table: idgen\_auto\_generation\_option

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| id | int | List truncated... |  |
| identifier\_type | int | List truncated... |  |
| source | int | List truncated... |  |
| manual\_entry\_enabled | tinyint | List truncated... |  |
| automatic\_generation\_enabled | tinyint | List truncated... |  |
| location | int | List truncated... |  |

Table: idgen\_identifier\_source

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| id | int | List truncated... |  |
| uuid | char | List truncated... |  |
| name | varchar | List truncated... |  |
| description | varchar | List truncated... |  |
| identifier\_type | int | List truncated... |  |
| creator | int | List truncated... |  |
| date\_created | datetime | List truncated... |  |
| changed\_by | int | List truncated... |  |
| date\_changed | datetime | List truncated... |  |
| retired | tinyint | List truncated... |  |
| retired\_by | int | List truncated... |  |
| date\_retired | datetime | List truncated... |  |
| retire\_reason | varchar | List truncated... |  |

Table: idgen\_log\_entry

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| id | int | List truncated... |  |
| source | int | List truncated... |  |
| identifier | varchar | List truncated... |  |
| date\_generated | datetime | List truncated... |  |
| generated\_by | int | List truncated... |  |
| comment | varchar | List truncated... |  |

Table: idgen\_seq\_id\_gen

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| id | int | List truncated... |  |
| next\_sequence\_value | int | List truncated... |  |
| base\_character\_set | varchar | List truncated... |  |
| first\_identifier\_base | varchar | List truncated... |  |
| prefix | varchar | List truncated... |  |
| suffix | varchar | List truncated... |  |
| min\_length | int | List truncated... |  |
| max\_length | int | List truncated... |  |

Table: liquibasechangelog

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| id | varchar | List truncated... |  |
| author | varchar | bwolfe |  |
| filename | varchar | liquibase-update-to-latest.xml |  |
| dateexecuted | datetime | List truncated... |  |
| md5sum | varchar | List truncated... |  |
| description | varchar | Add Column |  |
| comments | varchar | List truncated... |  |
| tag | varchar |  |  |
| liquibase | varchar | 1.9.4 |  |
| orderexecuted | int | -1 |  |
| exectype | varchar | EXECUTED |  |

Table: liquibasechangeloglock

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| id | int | List truncated... |  |
| locked | tinyint | List truncated... |  |
| lockgranted | datetime | List truncated... |  |
| lockedby | varchar | List truncated... |  |

Table: location\_tag

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| location\_tag\_id | int | List truncated... |  |
| name | varchar | List truncated... |  |
| description | varchar | List truncated... |  |
| creator | int | List truncated... |  |
| date\_created | datetime | List truncated... |  |
| retired | tinyint | List truncated... |  |
| retired\_by | int | List truncated... |  |
| date\_retired | datetime | List truncated... |  |
| retire\_reason | varchar | List truncated... |  |
| uuid | char | List truncated... |  |
| changed\_by | int | List truncated... |  |
| date\_changed | datetime | List truncated... |  |

Table: location\_tag\_map

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| location\_id | int | List truncated... |  |
| location\_tag\_id | int | List truncated... |  |

Table: logic\_token\_registration

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| token\_registration\_id | int | List truncated... |  |
| creator | int | List truncated... |  |
| date\_created | datetime | List truncated... |  |
| changed\_by | int | List truncated... |  |
| date\_changed | datetime | List truncated... |  |
| token | varchar | List truncated... |  |
| provider\_class\_name | varchar | List truncated... |  |
| provider\_token | varchar | List truncated... |  |
| configuration | varchar | List truncated... |  |
| uuid | char | List truncated... |  |

Table: metadatasharing\_imported\_item

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| imported\_item\_id | int | List truncated... |  |
| uuid | char | List truncated... |  |
| classname | varchar | List truncated... |  |
| existing\_uuid | char | List truncated... |  |
| date\_imported | datetime | List truncated... |  |
| date\_changed | datetime |  |  |
| import\_type | tinyint | List truncated... |  |
| assessed | tinyint | 0 |  |

Table: metadatasharing\_imported\_package

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| imported\_package\_id | int |  |  |
| uuid | char |  |  |
| group\_uuid | char |  |  |
| subscription\_url | varchar |  |  |
| subscription\_status | tinyint |  |  |
| date\_created | datetime |  |  |
| date\_imported | datetime |  |  |
| name | varchar |  |  |
| description | varchar |  |  |
| import\_config | varchar |  |  |
| remote\_version | int |  |  |
| version | int |  |  |

Table: name\_phonetics

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| name\_phonetics\_id | int | List truncated... |  |
| rendered\_string | varchar | List truncated... |  |
| person\_name\_id | int | List truncated... |  |
| field | int | List truncated... |  |
| renderer\_class\_name | varchar | List truncated... |  |

Table: notification\_alert

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| alert\_id | int | List truncated... |  |
| text | varchar | There was an error starting the module: RHEA SHR Adapter Web Service |  |
| satisfied\_by\_any | int | 1 |  |
| alert\_read | int | 1 |  |
| date\_to\_expire | datetime |  |  |
| creator | int | 1 |  |
| date\_created | datetime | List truncated... |  |
| changed\_by | int | 1 |  |
| date\_changed | datetime | List truncated... |  |
| uuid | char | List truncated... |  |

Table: notification\_alert\_recipient

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| alert\_id | int | List truncated... |  |
| user\_id | int | 1 |  |
| alert\_read | int | 0 |  |
| date\_changed | timestamp | List truncated... |  |
| uuid | char | List truncated... |  |

Table: patient\_identifier\_type

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| patient\_identifier\_type\_id | int | List truncated... |  |
| name | varchar | List truncated... |  |
| description | text | List truncated... |  |
| format | varchar | List truncated... |  |
| check\_digit | tinyint | List truncated... |  |
| creator | int | List truncated... |  |
| date\_created | datetime | List truncated... |  |
| required | tinyint | List truncated... |  |
| format\_description | varchar | List truncated... |  |
| validator | varchar | List truncated... |  |
| retired | tinyint | List truncated... |  |
| retired\_by | int | List truncated... |  |
| date\_retired | datetime | List truncated... |  |
| retire\_reason | varchar | List truncated... |  |
| uuid | char | List truncated... |  |
| location\_behavior | varchar | List truncated... |  |

Table: patientflags\_displaypoint

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| displaypoint\_id | int | List truncated... |  |
| name | varchar | List truncated... |  |
| description | varchar | List truncated... |  |
| creator | int | List truncated... |  |
| date\_created | datetime | List truncated... |  |
| changed\_by | int | List truncated... |  |
| date\_changed | datetime | List truncated... |  |
| retired | tinyint | List truncated... |  |
| retired\_by | int | List truncated... |  |
| date\_retired | datetime | List truncated... |  |
| retire\_reason | varchar | List truncated... |  |
| uuid | char | List truncated... |  |

Table: person\_attribute

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| person\_attribute\_id | int | List truncated... |  |
| person\_id | int | List truncated... |  |
| value | varchar | List truncated... |  |
| person\_attribute\_type\_id | int | 4 |  |
| creator | int | 1 |  |
| date\_created | datetime | 2008-01-02 08:32:17.0 |  |
| changed\_by | int |  |  |
| date\_changed | datetime |  |  |
| voided | tinyint | 0 |  |
| voided\_by | int |  |  |
| date\_voided | datetime |  |  |
| void\_reason | varchar |  |  |
| uuid | char | List truncated... |  |

Table: person\_attribute\_type

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| person\_attribute\_type\_id | int | List truncated... |  |
| name | varchar | List truncated... |  |
| description | text | List truncated... |  |
| format | varchar | List truncated... |  |
| foreign\_key | int | List truncated... |  |
| searchable | tinyint | List truncated... |  |
| creator | int | List truncated... |  |
| date\_created | datetime | List truncated... |  |
| changed\_by | int | List truncated... |  |
| date\_changed | datetime | List truncated... |  |
| retired | tinyint | List truncated... |  |
| retired\_by | int | List truncated... |  |
| date\_retired | datetime | List truncated... |  |
| retire\_reason | varchar | List truncated... |  |
| edit\_privilege | varchar | List truncated... |  |
| uuid | char | List truncated... |  |
| sort\_weight | double | List truncated... |  |

Table: person\_name

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| person\_name\_id | int | List truncated... |  |
| preferred | tinyint | 0 |  |
| person\_id | int | List truncated... |  |
| prefix | varchar |  |  |
| given\_name | varchar | List truncated... |  |
| middle\_name | varchar | List truncated... |  |
| family\_name\_prefix | varchar |  |  |
| family\_name | varchar | List truncated... |  |
| family\_name2 | varchar |  |  |
| family\_name\_suffix | varchar |  |  |
| degree | varchar |  |  |
| creator | int | 1 |  |
| date\_created | datetime | 2006-01-18.0 |  |
| voided | tinyint | 0 |  |
| voided\_by | int |  |  |
| date\_voided | datetime |  |  |
| void\_reason | varchar |  |  |
| changed\_by | int |  |  |
| date\_changed | datetime |  |  |
| uuid | char | List truncated... |  |

Table: privilege

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| privilege | varchar | List truncated... |  |
| description | varchar | Core Privilege |  |
| uuid | char | List truncated... |  |

Table: providermanagement\_provider\_role

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| provider\_role\_id | int |  |  |
| name | varchar |  |  |
| description | varchar |  |  |
| creator | int |  |  |
| date\_created | datetime |  |  |
| changed\_by | int |  |  |
| date\_changed | datetime |  |  |
| retired | tinyint |  |  |
| retired\_by | int |  |  |
| date\_retired | datetime |  |  |
| retire\_reason | varchar |  |  |
| uuid | char |  |  |

Table: role

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| role | varchar | List truncated... |  |
| description | varchar | List truncated... |  |
| uuid | char | List truncated... |  |

Table: role\_privilege

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| role | varchar | Privilege Level: Full |  |
| privilege | varchar | List truncated... |  |

Table: role\_role

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| parent\_role | varchar | List truncated... |  |
| child\_role | varchar | List truncated... |  |

Table: scheduler\_task\_config

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| task\_config\_id | int | List truncated... |  |
| name | varchar | List truncated... |  |
| description | varchar | List truncated... |  |
| schedulable\_class | text | List truncated... |  |
| start\_time | datetime | List truncated... |  |
| start\_time\_pattern | varchar | List truncated... |  |
| repeat\_interval | int | List truncated... |  |
| start\_on\_startup | int | List truncated... |  |
| started | int | List truncated... |  |
| created\_by | int | List truncated... |  |
| date\_created | datetime | List truncated... |  |
| changed\_by | int | List truncated... |  |
| date\_changed | datetime | List truncated... |  |
| uuid | char | List truncated... |  |
| last\_execution\_time | datetime | List truncated... |  |

Table: serialized\_object

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| serialized\_object\_id | int | List truncated... |  |
| name | varchar | List truncated... |  |
| description | varchar | List truncated... |  |
| type | varchar | List truncated... |  |
| subtype | varchar | List truncated... |  |
| serialization\_class | varchar | List truncated... |  |
| serialized\_data | mediumtext | List truncated... |  |
| date\_created | datetime | List truncated... |  |
| creator | int | List truncated... |  |
| date\_changed | datetime | List truncated... |  |
| changed\_by | int | List truncated... |  |
| retired | tinyint | List truncated... |  |
| date\_retired | datetime | List truncated... |  |
| retired\_by | int | List truncated... |  |
| retire\_reason | varchar | List truncated... |  |
| uuid | char | List truncated... |  |

Table: user\_property

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| user\_id | int | List truncated... |  |
| property | varchar | List truncated... |  |
| property\_value | varchar | List truncated... |  |

Table: user\_role

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| user\_id | int | List truncated... |  |
| role | varchar | List truncated... |  |

Table: users

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| user\_id | int | List truncated... |  |
| system\_id | varchar | List truncated... |  |
| username | varchar | List truncated... |  |
| password | varchar | List truncated... |  |
| salt | varchar | List truncated... |  |
| secret\_question | varchar | List truncated... |  |
| secret\_answer | varchar | List truncated... |  |
| creator | int | List truncated... |  |
| date\_created | datetime | List truncated... |  |
| changed\_by | int | List truncated... |  |
| date\_changed | datetime | List truncated... |  |
| person\_id | int | List truncated... |  |
| retired | tinyint | List truncated... |  |
| retired\_by | int | List truncated... |  |
| date\_retired | datetime | List truncated... |  |
| retire\_reason | varchar | List truncated... |  |
| uuid | char | List truncated... |  |