Source Data Mapping Approach to CDMV5.3.1

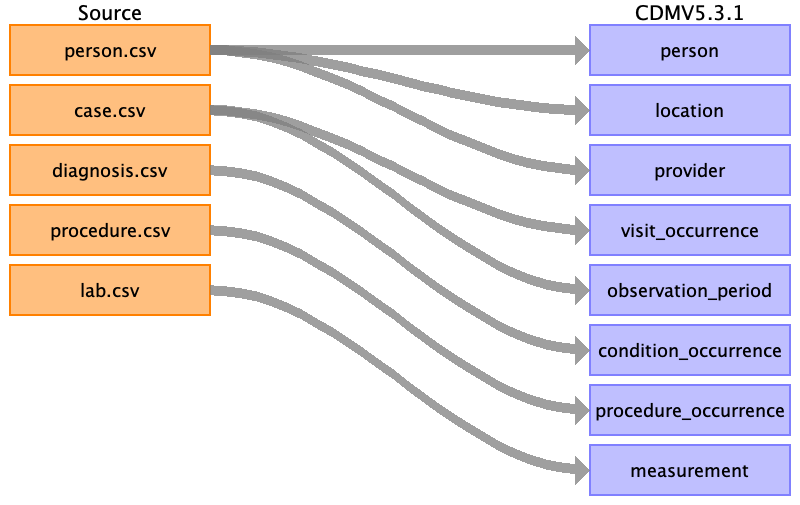
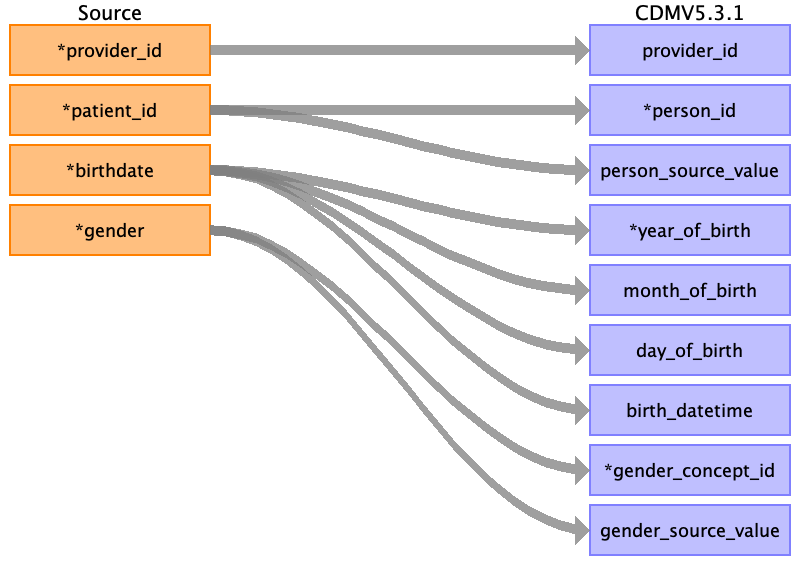


Table name: person

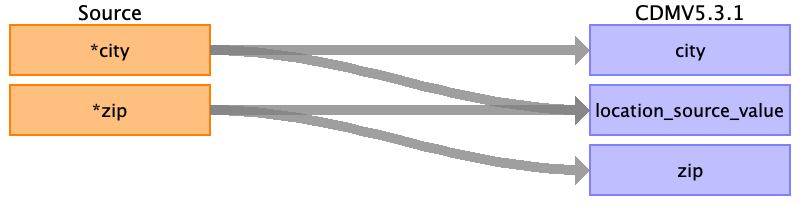
Reading from person.csv



|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| provider\_id | provider\_id |  |  |
| person\_id | patient\_id |  |  |
| person\_source\_value | patient\_id |  |  |
| year\_of\_birth | birthdate |  | year |
| month\_of\_birth | birthdate |  | month |
| day\_of\_birth | birthdate |  | day |
| birth\_datetime | birthdate |  | Tag |
| gender\_concept\_id | gender |  | w -> 8532 FEMALE  m -> 8507 MALE  8532 FEMALE  8507 MALE |
| gender\_source\_value | gender |  |  |
| race\_concept\_id |  |  | set 4218674 Unknown racial group |
| ethnicity\_concept\_id |  |  | 0? 38003563 (Hispanic?), 38003564 (Not hispanic?) |
| location\_id |  |  | Zurückspiegeln aus location table |
| care\_site\_id |  |  |  |
| race\_source\_value |  |  |  |
| race\_source\_concept\_id |  |  |  |
| ethnicity\_source\_value |  |  |  |
| gender\_source\_concept\_id |  |  |  |
| ethnicity\_source\_concept\_id |  |  |  |

Table name: location

Reading from person.csv



|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| city | city |  |  |
| location\_source\_value | city  zip |  |  |
| zip | zip |  |  |
| location\_id |  |  | Autogenerate, zurückspiegeln in person |
| address\_1 |  |  |  |
| address\_2 |  |  |  |
| county |  |  |  |
| state |  |  |  |

Table name: provider

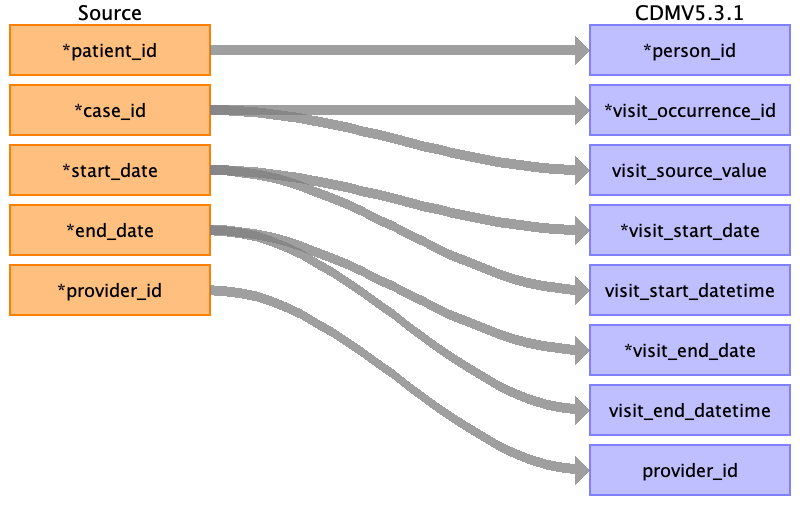
Reading from person.csv



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

Table name: visit\_occurrence

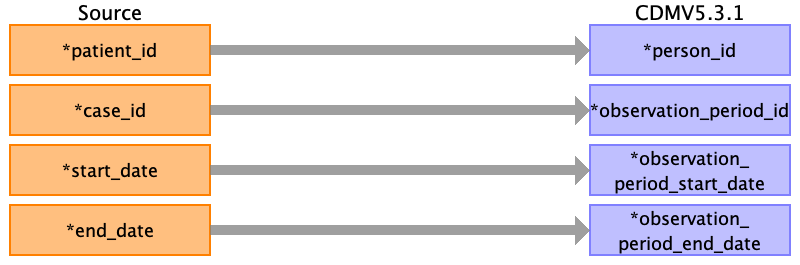
Reading from case.csv



|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| person\_id | patient\_id |  |  |
| visit\_occurrence\_id | case\_id |  |  |
| visit\_source\_value | case\_id |  |  |
| visit\_start\_date | start\_date |  |  |
| visit\_start\_datetime | start\_date |  |  |
| visit\_end\_date | end\_date |  |  |
| visit\_end\_datetime | end\_date |  |  |
| provider\_id | provider\_id |  |  |
| visit\_type\_concept\_id |  |  | 44818518 Visit dervied from EHR record |
| visit\_concept\_id |  |  | 38004515 Hospital |
| care\_site\_id |  |  |  |
| visit\_source\_concept\_id |  |  |  |
| admitting\_source\_concept\_id |  |  |  |
| admitting\_source\_value |  |  |  |
| discharge\_to\_concept\_id |  |  |  |
| discharge\_to\_source\_value |  |  |  |
| preceding\_visit\_occurrence\_id |  |  |  |

Table name: observation\_period

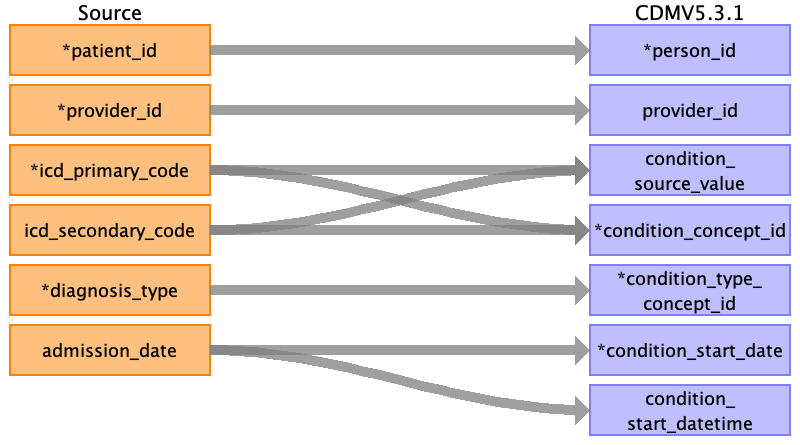
Reading from case.csv



|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| person\_id | patient\_id |  |  |
| observation\_period\_id | case\_id |  |  |
| observation\_period\_start\_date | start\_date |  | Format |
| observation\_period\_end\_date | end\_date |  |  |
| period\_type\_concept\_id |  |  | 32817 EHR |

Table name: condition\_occurrence

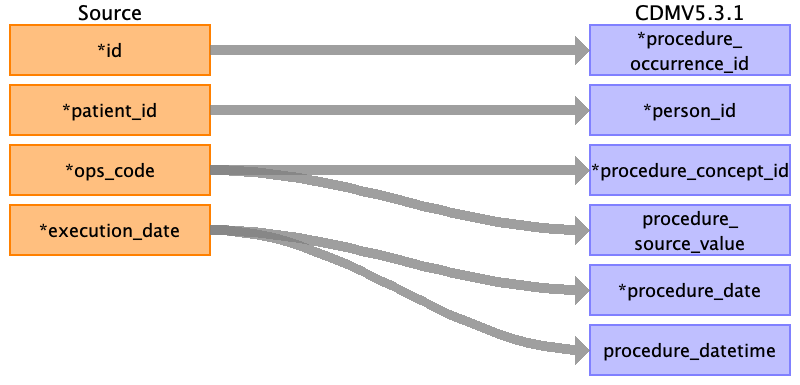
Reading from diagnosis.csv



|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| person\_id | patient\_id |  |  |
| provider\_id | provider\_id |  |  |
| condition\_source\_value | icd\_primary\_code  icd\_secondary\_code |  |  |
| condition\_concept\_id | icd\_primary\_code  icd\_secondary\_code |  | Get from condition concept\_id as concept\_id\_1  WHERE concept\_code = icd-primary\_code  AND  WHERE VocabularyId = "ICD10GM"  concept\_relationship = „Maps to“  condition\_concept\_id (SNOMED) = concept\_id2 |
| condition\_type\_concept\_id | diagnosis\_type |  | HD -> 44786627 Primary condition  ND -> 44786629 Secondary condition |
| condition\_start\_date | admission\_date |  |  |
| condition\_start\_datetime | admission\_date |  |  |
| condition\_occurrence\_id |  |  | Auto generate UNIQUE |
| condition\_status\_concept\_id |  |  |  |
| condition\_source\_concept\_id |  |  |  |
| condition\_end\_date |  |  |  |
| condition\_end\_datetime |  |  |  |
| stop\_reason |  |  |  |
| visit\_occurrence\_id |  |  |  |
| visit\_detail\_id |  |  |  |
| condition\_status\_source\_value |  |  |  |

Table name: procedure\_occurrence

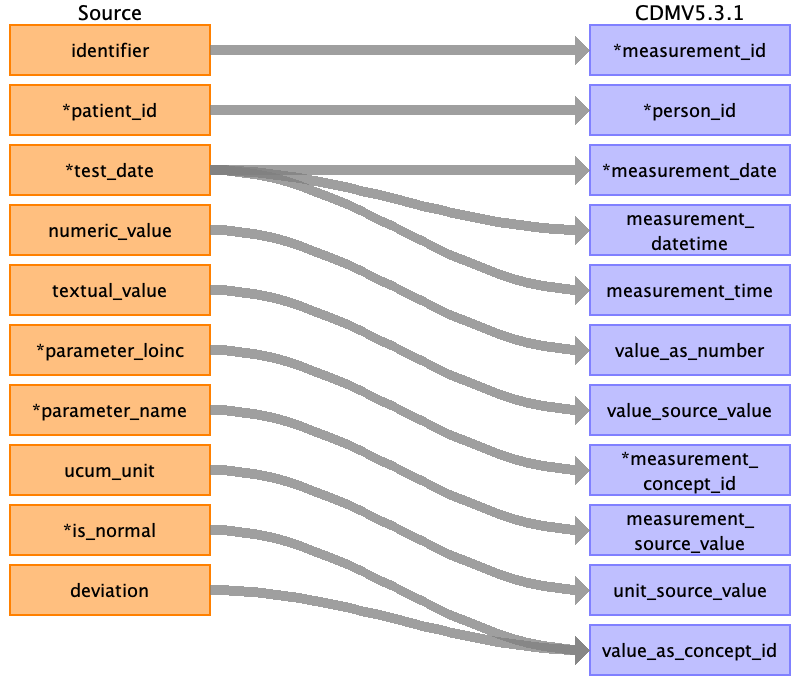
Reading from procedure.csv



|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| procedure\_occurrence\_id | id |  |  |
| person\_id | patient\_id |  |  |
| procedure\_concept\_id | ops\_code |  | SNOMED-ID des korrespondierenden Codes |
| procedure\_source\_value | ops\_code |  |  |
| procedure\_date | execution\_date |  |  |
| procedure\_datetime | execution\_date |  |  |
| procedure\_type\_concept\_id |  |  | 32817 EHR |
| procedure\_source\_concept\_id |  |  |  |
| modifier\_concept\_id |  |  |  |
| quantity |  |  |  |
| provider\_id |  |  |  |
| visit\_occurrence\_id |  |  |  |
| visit\_detail\_id |  |  |  |
| modifier\_source\_value |  |  |  |

Table name: measurement

Reading from lab.csv



|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| measurement\_id | identifier |  |  |
| person\_id | patient\_id |  |  |
| measurement\_date | test\_date |  |  |
| measurement\_datetime | test\_date |  |  |
| measurement\_time | test\_date |  |  |
| value\_as\_number | numeric\_value |  |  |
| value\_source\_value | textual\_value |  |  |
| measurement\_concept\_id | parameter\_loinc |  |  |
| measurement\_source\_value | parameter\_name |  |  |
| unit\_source\_value | ucum\_unit |  |  |
| value\_as\_concept\_id | is\_normal  deviation |  | 1 -> 4124457 (normal, bzw. negatives Testergebnis)  0 -> 4328749, wenn Deviation "+" (Hoch)  -> 4267416, wenn Deviation "-" (Niedrig) |
| measurement\_type\_concept\_id |  |  | 32856 Lab |
| range\_high |  |  |  |
| range\_low |  |  |  |
| unit\_concept\_id |  |  |  |
| operator\_concept\_id |  |  |  |
| measurement\_source\_concept\_id |  |  |  |
| provider\_id |  |  |  |
| visit\_occurrence\_id |  |  |  |
| visit\_detail\_id |  |  |  |

Table name: note

Table name: attribute\_definition

Table name: death

Table name: observation

Table name: device\_exposure

Table name: drug\_exposure

Table name: fact\_relationship

Table name: note\_nlp

Table name: specimen

Table name: visit\_detail

Table name: cohort

Table name: cohort\_attribute

Table name: condition\_era

Table name: dose\_era

Table name: drug\_era

Table name: cost

Table name: payer\_plan\_period

Table name: care\_site

Table name: cdm\_source

Table name: metadata

Table name: cohort\_definition

Appendix: source tables

Table: person.csv

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| provider\_id | INT | 260123451 |  |
| patient\_id | INT |  |  |
| birthdate | DATE | 1950-01-16 |  |
| gender | VARCHAR | w |  |
| city | VARCHAR | Ort\_637 |  |
| zip | INT | 63766 |  |
| death\_date | VARCHAR | NA |  |
| death | VARCHAR | nein | Nur mappen wenn hier "JA", dann concept EHR |
| date\_of\_life | VARCHAR | 2020-11-26 17:00:00 |  |
| forname | VARCHAR | Grete |  |
| name | VARCHAR | Schulzen |  |
| insurance | VARCHAR | BKK\_800 |  |
| insurance\_id | VARCHAR |  |  |

Table: case.csv

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| patient\_id | INT | 0001189 |  |
| case\_id | INT |  |  |
| start\_date | VARCHAR | 2020-03-11 15:00:00 |  |
| end\_date | VARCHAR | 2020-03-11 15:59:59 |  |
| provider\_id | INT | 260123451 |  |

Table: diagnosis.csv

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| patient\_id | INT | 246 |  |
| provider\_id | INT | 260123452 |  |
| icd\_primary\_code | VARCHAR | I10.00 |  |
| icd\_secondary\_code | VARCHAR |  |  |
| diagnosis\_type | VARCHAR | HD |  |
| admission\_date | VARCHAR | 22.01.2020 |  |
| clinical\_status | VARCHAR | Aktuell |  |
| icd\_version | INT | 2020 |  |
| admission\_number | INT | 440 |  |
| orpha\_code | VARCHAR |  |  |
| orpha\_text | VARCHAR |  |  |
| alphaid\_code | VARCHAR | I26740 |  |
| alphaid\_text | VARCHAR | Benigne Hypertonie |  |
| icd\_text | VARCHAR | Benigne essentielle Hypertonie: Ohne Angabe einer hypertensiven Krise |  |
| diagnostic\_explanation | VARCHAR |  |  |
| icd\_manifestation | VARCHAR |  |  |

Table: procedure.csv

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| id | VARCHAR | NA |  |
| patient\_id | INT | 0000410 |  |
| ops\_code | VARCHAR | 3-990 | FROM Procedure  WHERE Concept code = ops\_code  --> maps\_to SNOMED.ConceptId |
| execution\_date | VARCHAR |  |  |
| ops\_version | VARCHAR | ops2020 |  |

Table: lab.csv

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| identifier | INT |  |  |
| patient\_id | INT | 0000074 |  |
| test\_date | VARCHAR |  |  |
| numeric\_value | REAL |  |  |
| textual\_value | VARCHAR |  |  |
| parameter\_loinc | VARCHAR | 2484-4 |  |
| parameter\_name | VARCHAR | IGF-I [Somatomedin C] i.S. |  |
| ucum\_unit | VARCHAR | 10\*3/uL |  |
| is\_normal | INT | 0 |  |
| deviation | VARCHAR |  |  |
| unit | VARCHAR | mmol/L |  |
| normal\_values | VARCHAR | (null) |  |
| category | VARCHAR | Carnitinstatus |  |
| status | VARCHAR | Korrektur bereits gemeldeter Ergebnisse |  |
| comment | INT | 0 |  |