Source Data Mapping Approach to CDMV5.3

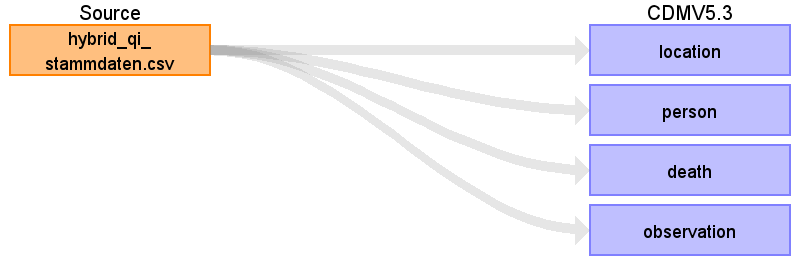


Table name: location

Reading from hybrid\_qi\_stammdaten.csv

- Implementierung in gkv-to-omop/jobs/290\_Stammdaten\_STA69\_S\_AOK\_H/Stammdaten\_location.ktr

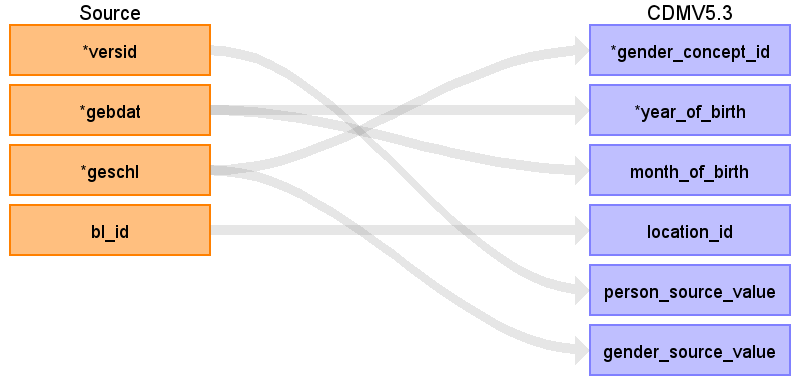


|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| location\_id |  |  | automatisch erzeugt |
| address\_1 |  |  |  |
| address\_2 |  |  |  |
| city |  |  |  |
| state | bl\_id |  | Beispiel:  GKV: RP  OMOP: RP |
| zip |  |  |  |
| county |  |  |  |
| location\_source\_value |  |  |  |

Table name: person

Reading from hybrid\_qi\_stammdaten.csv

- Implementierung in gkv-to-omop/jobs/290\_Stammdaten\_STA69\_S\_AOK\_H/Stammdaten\_person.ktr und gkv-to-omop/jobs/290\_Stammdaten\_STA69\_S\_AOK\_H/Stammdaten\_person\_location.ktr



|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| person\_id |  |  | automatisch erzeugt |
| gender\_concept\_id | geschl | - Mapping von GESCHL zu concept\_id in source\_to\_concept\_map über source\_vocabulary\_id = "Gender"  -> concept\_id = 0, wenn kein Mapping gefunden wurde | Beispiel:  GKV: 2  OMOP: 8532 |
| year\_of\_birth | gebdat | - Formatierung notwendig  -> Trennung zwischen Jahr und Monat | Beispiel:  GKV: 195002  OMOP: 1950 |
| month\_of\_birth | gebdat | - Formatierung notwendig  -> Trennung zwischen Jahr und Monat | Beispiel:  GKV: 195002  OMOP: 2 |
| day\_of\_birth |  |  |  |
| birth\_datetime |  |  |  |
| race\_concept\_id |  |  | - default: 4218674 (Unknown racial group) |
| ethnicity\_concept\_id |  |  | - default: 0 |
| location\_id | bl\_id | - location\_id über Suche von BL\_ID in location.state | Beispiel:  GKV: RP  OMOP: 2 |
| provider\_id |  |  |  |
| care\_site\_id |  |  |  |
| person\_source\_value | versid |  | Beispiel:  GKV: 2042  OMOP: 2042 |
| gender\_source\_value | geschl |  | Beispiel:  GKV: 2  OMOP: 2 |
| gender\_source\_concept\_id |  |  |  |
| race\_source\_value |  |  |  |
| race\_source\_concept\_id |  |  |  |
| ethnicity\_source\_value |  |  |  |
| ethnicity\_source\_concept\_id |  |  |  |

Table name: death

Reading from hybrid\_qi\_stammdaten.csv

- Implementierung in gkv-to-omop/jobs/290\_Stammdaten\_STA69\_S\_AOK\_H/Stammdaten\_death.ktr



|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| person\_id | versid | - person\_id über Suche von VERSID in person.person\_source\_value | Beispiel:  GKV: 2042  OMOP: 1 |
| death\_date | todtag | - Formatierung notwendig | Beispiel:  GKV: 20000301  OMOP: 2000-03-01 |
| death\_datetime |  |  |  |
| death\_type\_concept\_id |  |  | - concept\_id = 32810 (Claim) |
| cause\_concept\_id |  |  |  |
| cause\_source\_value |  |  |  |
| cause\_source\_concept\_id |  |  |  |

Table name: observation

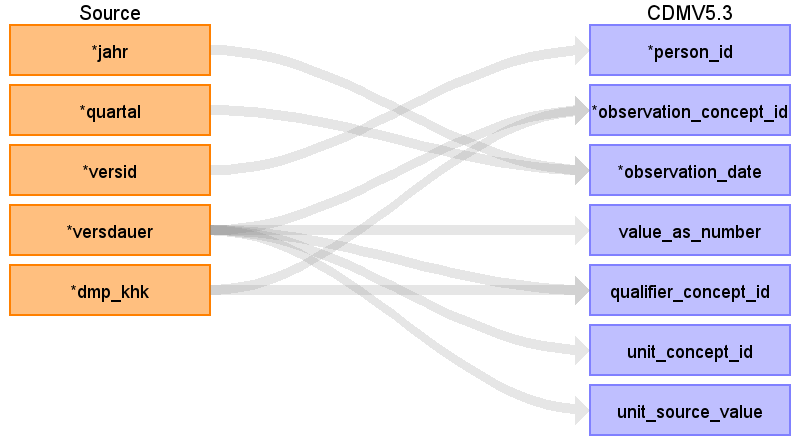
Reading from hybrid\_qi\_stammdaten.csv

- Mapping von DMP\_KHK, wenn DMP\_KHK = 1

- Mapping von VERSDAUER

- Implementierung in gkv-to-omop/jobs/290\_Stammdaten\_STA69\_S\_AOK\_H/Stammdaten\_DMP\_KHK.ktr (DMP\_KHK)

- Implementierung in gkv-to-omop/jobs/290\_Stammdaten\_STA69\_S\_AOK\_H/Stammdaten\_VERSDAUER.ktr (VERSDAUER)



|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| observation\_id |  |  | automatisch erzeugt |
| person\_id | versid | - person\_id über Suche von VERSID in person.person\_source\_value | Beispiel:  GKV: 2042  OMOP: 1 |
| observation\_concept\_id | versdauer  dmp\_khk | - concept\_id = 4014044 (Duration)  - concept\_id = 4269174 (Disease management program) |  |
| observation\_date | jahr  quartal | - Formatierung notwendig  -> fehlender Monat und Tag → letzter Tag des letzten Monats im Quartal  - Formatierung notwendig  -> fehlender Monat und Tag → letzter Tag des letzten Monats im Quartal | Beispiel:  GKV: 2016 und 1  OMOP: 2016-03-31  Beispiel:  GKV: 2016 und 1  OMOP: 2016-03-31 |
| observation\_datetime |  |  |  |
| observation\_type\_concept\_id |  |  | - concept\_id = 32810 (Claim) |
| value\_as\_number | versdauer |  | Beispiel:  GKV: 90  OMOP: 90 |
| value\_as\_string |  |  |  |
| value\_as\_concept\_id |  |  |  |
| qualifier\_concept\_id | versdauer  dmp\_khk | - concept\_id = 44804216 (Health insurance)  - concept\_id = 4185932 (Ischemic heart disease) |  |
| unit\_concept\_id | versdauer | - concept\_id = 8512 (day) |  |
| provider\_id |  |  |  |
| visit\_occurrence\_id |  |  |  |
| visit\_detail\_id |  |  |  |
| observation\_source\_value |  |  |  |
| observation\_source\_concept\_id |  |  |  |
| unit\_source\_value | versdauer | - unit\_source\_value = "Anzahl der Versicherungstage/Quartal" |  |
| qualifier\_source\_value |  |  |  |

Table name: condition\_occurrence

Table name: device\_exposure

Table name: drug\_exposure

Table name: fact\_relationship

Table name: measurement

Table name: note

Table name: note\_nlp

Table name: observation\_period

Table name: procedure\_occurrence

Table name: specimen

Table name: visit\_detail

Table name: visit\_occurrence

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: provider

Table name: cdm\_source

Table name: metadata

Table name: attribute\_definition

Table name: cohort\_definition

Appendix: source tables

Table: hybrid\_qi\_stammdaten.csv

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| jahr | INT | 2016 |  |
| quartal | INT | 1 |  |
| versid | INT | 4970 |  |
| gebdat | INT | 193510 |  |
| todtag | DATE |  |  |
| geschl | INT | 2 |  |
| versdauer | INT | 92 |  |
| bl\_id | VARCHAR | NI |  |
| dmp\_khk | INT | 0 |  |

Table: hybrid\_qi\_actrapid.csv

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| jahr | INT | 2018 |  |
| quartal | INT | 4 |  |
| versid | INT | 1351 |  |
| lanr | INT | 10281 |  |
| fg | INT | 1 |  |
| pzn | INT | 1798000 |  |
| bruttoeinzelpreis | VARCHAR | 14,15 |  |
| mult | INT | 1 |  |
| datum\_vo | DATE | 2018.12.17 |  |
| datum\_abgabe | DATE | 2019.12.17 |  |
| atccode | VARCHAR |  |  |
| dddpk | VARCHAR | 100 |  |

Table: hybrid\_qi\_kh\_amb\_fall.csv

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| year | INT | 2019 |  |
| quarter | INT | 3 |  |
| id | INT | 4970 |  |
| versid | INT | 9189 |  |
| admit\_date | DATE | 2019.10.01 |  |
| discharge\_date | DATE | 2019.10.01 |  |
| charges | VARCHAR | 145 |  |
| zuz\_betr | INT | 0 |  |
| fallart | VARCHAR | PIA |  |

Table: hybrid\_qi\_kh\_amb\_pos.csv

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| year | INT | 2019 |  |
| quarter | INT | 1 |  |
| id | INT | 7431 |  |
| entgart | VARCHAR | 40120 |  |
| beh\_tag | DATE | 2019.11.04 |  |
| entg\_betr | VARCHAR | ,25 |  |

Table: hybrid\_qi\_kh\_amb\_icd.csv

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| year | INT | 2019 |  |
| quarter | INT | 3 |  |
| id | INT | 2645 |  |
| icd\_diag | VARCHAR | C20 |  |
| icd\_sicherheit | VARCHAR | G |  |
| icd\_sek | VARCHAR |  |  |
| icd\_sek\_sicherheit | VARCHAR |  |  |
| icd\_lokalisation | VARCHAR |  |  |
| icd\_sek\_lokalisation | VARCHAR |  |  |
| icd\_diag\_art | INT | 13 |  |

Table: hybrid\_qi\_kh\_amb\_ops.csv

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| year | INT | 2019 |  |
| quarter | INT | 3 |  |
| id | INT | 2672 |  |
| ops | VARCHAR | PIA002 |  |
| ops\_l | VARCHAR |  |  |

Table: hybrid\_qi\_reha\_stat\_fall.csv

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| year | INT | 2017 |  |
| quarter | INT | 3 |  |
| id | INT | 1 |  |
| versid | INT | 34 |  |
| admit\_date | DATE | 2017.06.01 |  |
| discharge\_date | DATE | 2017.10.27 |  |
| charges | VARCHAR | 2150 |  |
| copayment | INT | 0 |  |
| admit\_icd | VARCHAR | I639 |  |
| behandlungsart | INT | 9 |  |

Table: hybrid\_qi\_efn.csv

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| jahr | INT | 2017 |  |
| quartal | INT | 1 |  |
| amb\_fallid | INT | 285550 |  |
| versid | INT | 9962 |  |
| bsnr | INT | 3384 |  |
| fg\_bsnr\_asd | INT | 1 |  |
| dialysesachkosten | VARCHAR | 0 |  |
| behandkost\_gesamt | VARCHAR | 0 |  |
| beh\_von | DATE | 2019.04.01 |  |
| beh\_bis | DATE | 2019.09.30 |  |
| fg\_gp\_list | VARCHAR | 7 |  |

Table: hybrid\_qi\_elst.csv

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| jahr | INT | 2017 |  |
| quartal | INT | 1 |  |
| amb\_fallid | INT | 198335 |  |
| lanr | INT | 10281 |  |
| fg\_lanr\_asd | INT | 1 |  |
| gonr | VARCHAR | 32001 |  |
| behandlungsdatum | DATE | 2019.07.01 |  |
| gonr\_anz | INT | 1 |  |

Table: hybrid\_qi\_tdia.csv

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| jahr | INT | 2018 |  |
| quartal | INT | 4 |  |
| amb\_fallid | INT | 160393 |  |
| icd\_bereinigt | VARCHAR | I1090 |  |
| icd\_avzg | VARCHAR | G |  |
| icd\_lrb | VARCHAR |  |  |

Table: hybrid\_qi\_ops.csv

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| jahr | INT | 2017 |  |
| quartal | INT | 3 |  |
| amb\_fallid | INT | 492107 |  |
| ops | VARCHAR | 5-144.5a |  |
| ops\_lrb | VARCHAR | R |  |

Table: hybrid\_qi\_pflege.csv

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| jahr | INT | 2019 |  |
| monat | INT | 12 |  |
| versid | INT | 3633 |  |
| stufe | INT |  |  |
| pea | INT |  |  |
| grad | INT | 2 |  |
| heim | INT | 0 |  |
| flag\_statbeh | INT | 0 |  |

Table: hybrid\_qi\_kh\_stat\_fall.csv

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| year | INT | 2019 |  |
| quarter | INT | 1 |  |
| id | INT | 3640 |  |
| versid | INT | 252 |  |
| admit\_date | DATE | 2017.09.26 |  |
| discharge\_date | DATE | 2019.01.18 |  |
| admit\_status\_301 | INT | 107 |  |
| discharge\_status\_301 | INT | 19 |  |
| charges | VARCHAR | 100,72 |  |
| copayment | INT | 0 |  |
| admit\_icd | VARCHAR | R060 |  |
| discharge\_icd | VARCHAR |  |  |
| aufenthalt | VARCHAR | L |  |
| abg\_drg | VARCHAR |  |  |
| admit\_time | INT | 0 |  |
| discharge\_time | INT | 0 |  |
| admit\_icd\_l | VARCHAR |  |  |
| refer\_icd | VARCHAR |  |  |
| refer\_icd\_l | VARCHAR |  |  |
| discharge\_icd\_l | VARCHAR |  |  |
| los | INT | 1 |  |
| fa\_nr | INT | 100 |  |
| pccl | INT | 0 |  |
| ventilation | INT | 0 |  |
| abg\_se | VARCHAR |  |  |

Table: hybrid\_qi\_kh\_stat\_fachabt.csv

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| year | INT | 2019 |  |
| quarter | INT | 1 |  |
| id | INT | 6517 |  |
| fachabt | INT | 100 |  |
| fachabt\_von | DATE | 2019.04.16 |  |
| fachabt\_bis | DATE | 2017.04.13 |  |

Table: hybrid\_qi\_kh\_stat\_icd.csv

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| year | INT | 2019 |  |
| quarter | INT | 3 |  |
| id | INT | 32523 |  |
| icd | VARCHAR | I1000 |  |
| type | INT | 2 |  |
| icd\_lokalisation | VARCHAR |  |  |
| icd\_schweregrad | INT | 0 |  |

Table: hybrid\_qi\_kh\_stat\_ops.csv

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| year | INT | 2019 |  |
| quarter | INT | 3 |  |
| id | INT | 32523 |  |
| ops | VARCHAR | 3200 |  |
| op\_date | DATE | 2018.11.19 |  |
| localisation | VARCHAR |  |  |

Table: hybrid\_qi\_his\_rezepte.csv

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| jahr | INT | 2019 |  |
| quartal | INT | 3 |  |
| rezept\_id | INT | 3640 |  |
| versid | INT | 4818 |  |
| bsnr | INT | 22526 |  |
| lanr | INT | 10281 |  |
| fg\_lanr | INT | 1 |  |
| indikation | VARCHAR | EX2A |  |
| vorddat | DATE | 2019.01.07 |  |
| icd\_list | VARCHAR | M54 |  |

Table: hybrid\_qi\_his\_leist.csv

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| jahr | INT | 2020 |  |
| quartal | INT | 3 |  |
| rezept\_id | INT | 1071 |  |
| lerb | INT | 2 |  |
| posnr | INT | 501 |  |
| lei\_hei | INT | 1 |  |
| lei\_zu | INT | 0 |  |
| anz\_hei | INT | 0 |  |
| brutto\_hei | VARCHAR | 0 |  |
| brutto\_zu | VARCHAR | 0 |  |
| zu\_hei | VARCHAR | 0 |  |
| zu\_zu | VARCHAR | 0 |  |