Source Data Mapping Approach to CDMV5.3.1

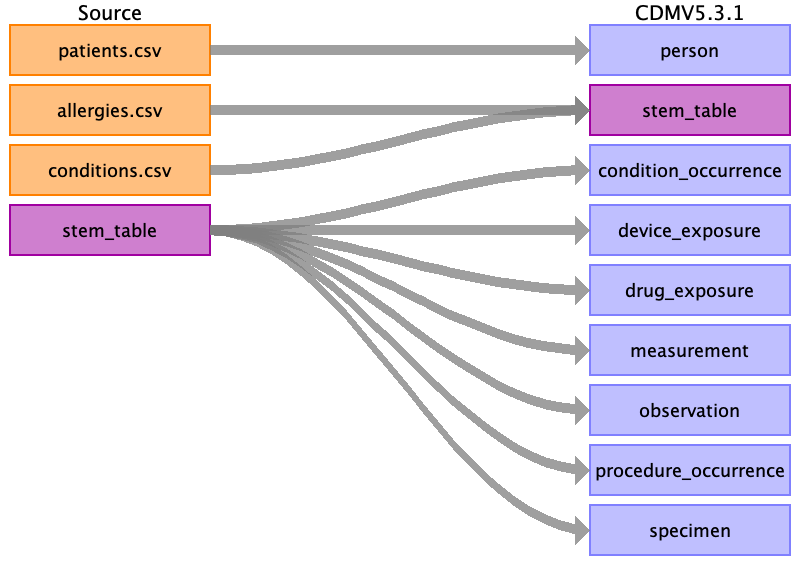


Table name: person

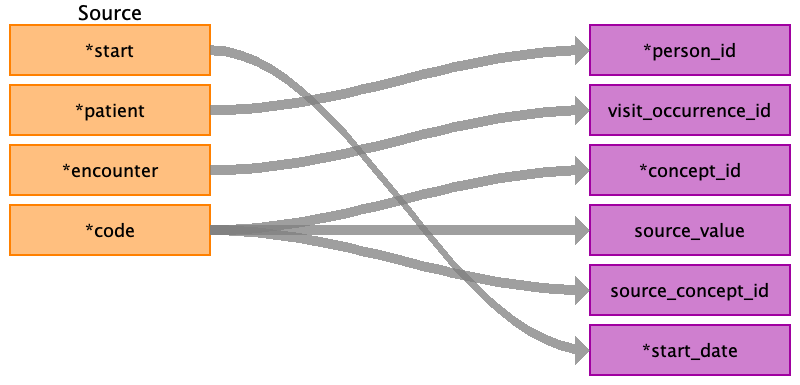
Reading from patients.csv



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

Table name: stem\_table

Reading from allergies.csv



|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| domain\_id |  |  |  |
| person\_id | patient |  |  |
| visit\_occurrence\_id | encounter |  |  |
| provider\_id |  |  |  |
| id |  |  |  |
| concept\_id | code |  |  |
| source\_value | code |  |  |
| source\_concept\_id | code |  |  |
| type\_concept\_id |  |  |  |
| start\_date | start |  |  |
| start\_datetime |  |  |  |
| end\_date |  |  |  |
| end\_datetime |  |  |  |
| verbatim\_end\_date |  |  |  |
| days\_supply |  |  |  |
| dose\_unit\_source\_value |  |  |  |
| lot\_number |  |  |  |
| modifier\_concept\_id |  |  |  |
| operator\_concept\_id |  |  |  |
| modifier\_concept\_id |  |  |  |
| modifier\_source\_value |  |  |  |
| quantity |  |  |  |
| range\_high |  |  |  |
| range\_low |  |  |  |
| refills |  |  |  |
| route\_concept\_id |  |  |  |
| route\_source\_value |  |  |  |
| sig |  |  |  |
| stop\_reason |  |  |  |
| unique\_device\_id |  |  |  |
| unit\_concept\_id |  |  |  |
| unit\_source\_value |  |  |  |
| value\_as\_concept\_id |  |  |  |
| value\_as\_number |  |  |  |
| value\_as\_string |  |  |  |
| value\_source\_value |  |  |  |
| anatomic\_site\_concept\_id |  |  |  |
| disease\_status\_concept\_id |  |  |  |
| specimen\_source\_id |  |  |  |
| anatomic\_site\_source\_value |  |  |  |
| disease\_status\_source\_value |  |  |  |
| condition\_status\_concept\_id |  |  |  |
| condition\_status\_source\_value |  |  |  |
| qualifier\_concept\_id |  |  |  |
| qualifier\_source\_value |  |  |  |

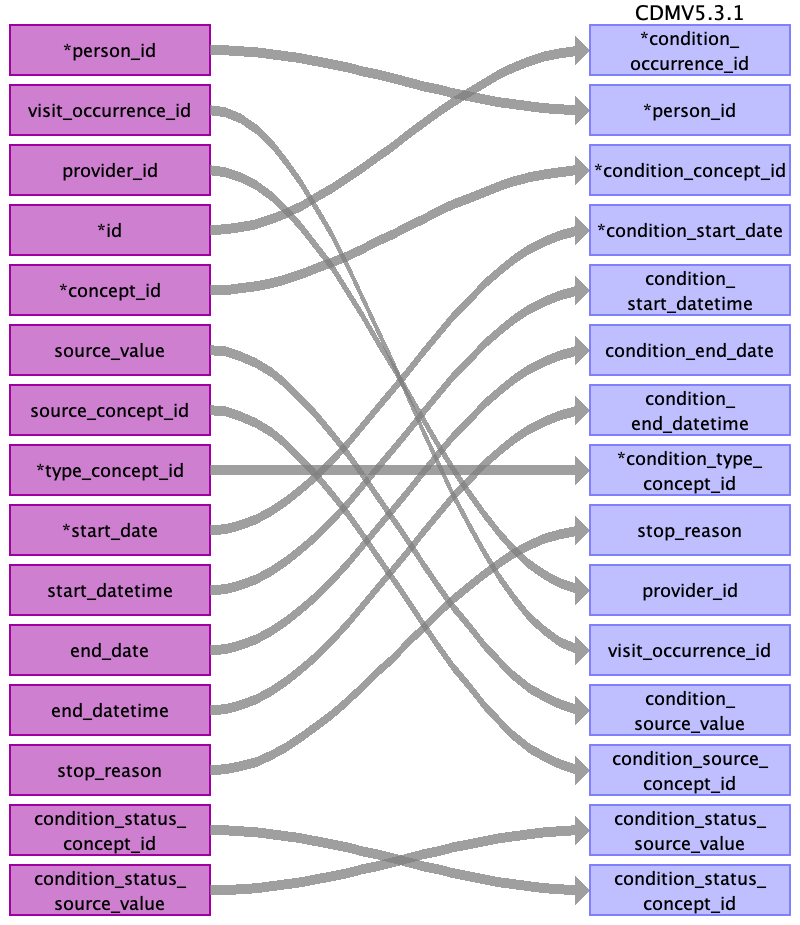
Reading from conditions.csv



|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| domain\_id |  |  |  |
| person\_id |  |  |  |
| visit\_occurrence\_id |  |  |  |
| provider\_id |  |  |  |
| id |  |  |  |
| concept\_id |  |  |  |
| source\_value |  |  |  |
| source\_concept\_id |  |  |  |
| type\_concept\_id |  |  |  |
| start\_date | start |  |  |
| start\_datetime |  |  |  |
| end\_date | stop |  |  |
| end\_datetime |  |  |  |
| verbatim\_end\_date |  |  |  |
| days\_supply |  |  |  |
| dose\_unit\_source\_value |  |  |  |
| lot\_number |  |  |  |
| modifier\_concept\_id |  |  |  |
| operator\_concept\_id |  |  |  |
| modifier\_concept\_id |  |  |  |
| modifier\_source\_value |  |  |  |
| quantity |  |  |  |
| range\_high |  |  |  |
| range\_low |  |  |  |
| refills |  |  |  |
| route\_concept\_id |  |  |  |
| route\_source\_value |  |  |  |
| sig |  |  |  |
| stop\_reason |  |  |  |
| unique\_device\_id |  |  |  |
| unit\_concept\_id |  |  |  |
| unit\_source\_value |  |  |  |
| value\_as\_concept\_id |  |  |  |
| value\_as\_number |  |  |  |
| value\_as\_string |  |  |  |
| value\_source\_value |  |  |  |
| anatomic\_site\_concept\_id |  |  |  |
| disease\_status\_concept\_id |  |  |  |
| specimen\_source\_id |  |  |  |
| anatomic\_site\_source\_value |  |  |  |
| disease\_status\_source\_value |  |  |  |
| condition\_status\_concept\_id |  |  |  |
| condition\_status\_source\_value |  |  |  |
| qualifier\_concept\_id |  |  |  |
| qualifier\_source\_value |  |  |  |

Table name: condition\_occurrence

Reading from stem\_table

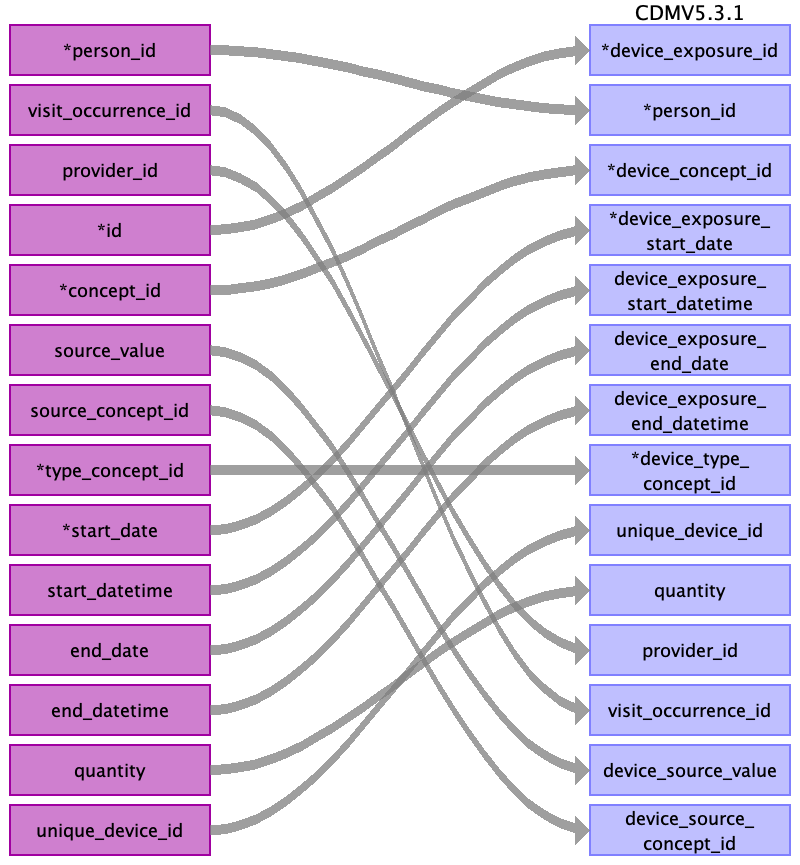


|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| condition\_occurrence\_id | id |  |  |
| person\_id | person\_id |  |  |
| condition\_concept\_id | concept\_id |  |  |
| condition\_start\_date | start\_date |  |  |
| condition\_start\_datetime | start\_datetime |  |  |
| condition\_end\_date | end\_date |  |  |
| condition\_end\_datetime | end\_datetime |  |  |
| condition\_type\_concept\_id | type\_concept\_id |  |  |
| stop\_reason | stop\_reason |  |  |
| provider\_id | provider\_id |  |  |
| visit\_occurrence\_id | visit\_occurrence\_id |  |  |
| visit\_detail\_id |  |  |  |
| condition\_source\_value | source\_value |  |  |
| condition\_source\_concept\_id | source\_concept\_id |  |  |
| condition\_status\_source\_value | condition\_status\_source\_value |  |  |
| condition\_status\_concept\_id | condition\_status\_concept\_id |  |  |

Table name: death

Table name: device\_exposure

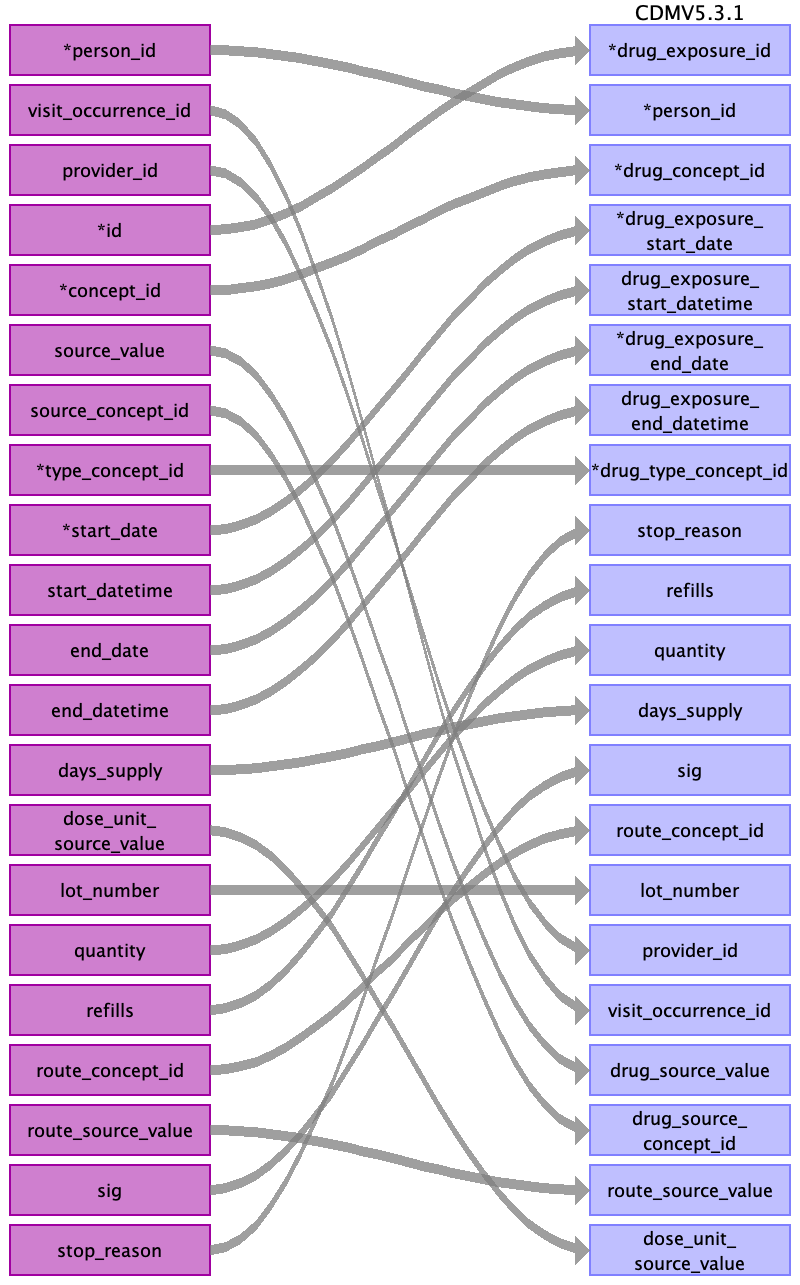
Reading from stem\_table



|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| device\_exposure\_id | id |  |  |
| person\_id | person\_id |  |  |
| device\_concept\_id | concept\_id |  |  |
| device\_exposure\_start\_date | start\_date |  |  |
| device\_exposure\_start\_datetime | start\_datetime |  |  |
| device\_exposure\_end\_date | end\_date |  |  |
| device\_exposure\_end\_datetime | end\_datetime |  |  |
| device\_type\_concept\_id | type\_concept\_id |  |  |
| unique\_device\_id | unique\_device\_id |  |  |
| quantity | quantity |  |  |
| provider\_id | provider\_id |  |  |
| visit\_occurrence\_id | visit\_occurrence\_id |  |  |
| visit\_detail\_id |  |  |  |
| device\_source\_value | source\_value |  |  |
| device\_source\_concept\_id | source\_concept\_id |  |  |

Table name: drug\_exposure

Reading from stem\_table

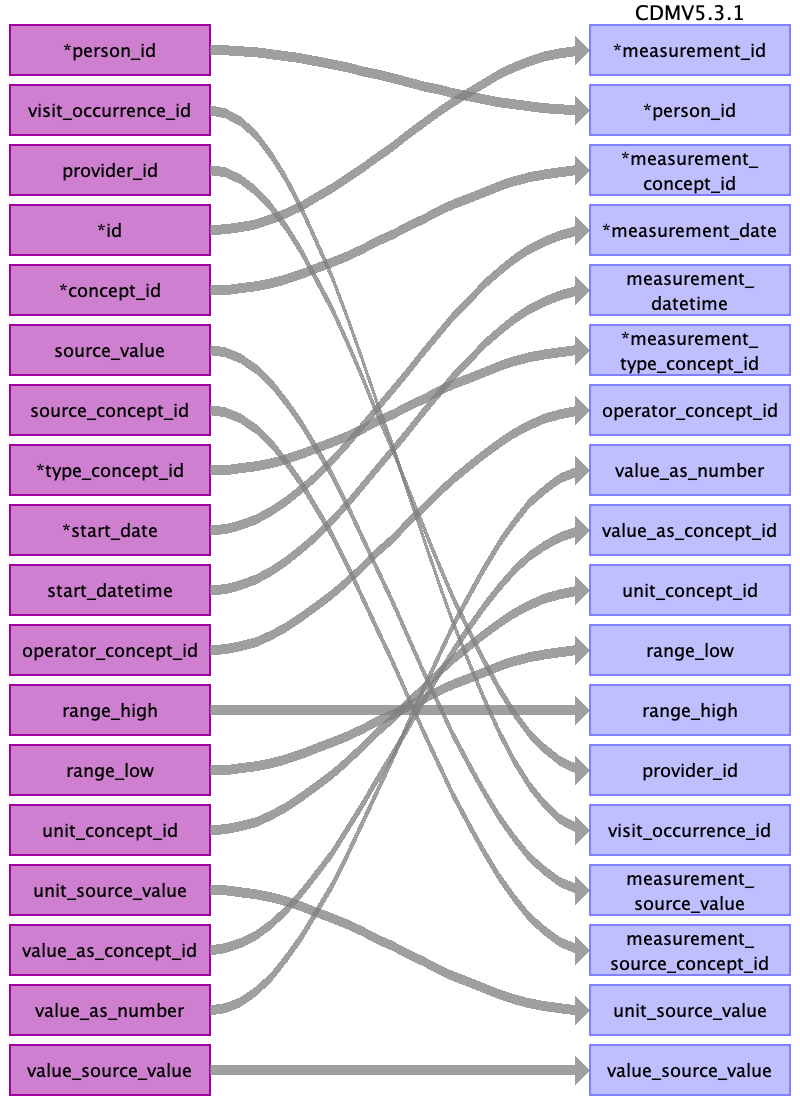


|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| drug\_exposure\_id | id |  |  |
| person\_id | person\_id |  |  |
| drug\_concept\_id | concept\_id |  |  |
| drug\_exposure\_start\_date | start\_date |  |  |
| drug\_exposure\_start\_datetime | start\_datetime |  |  |
| drug\_exposure\_end\_date | end\_date |  |  |
| drug\_exposure\_end\_datetime | end\_datetime |  |  |
| verbatim\_end\_date |  |  |  |
| drug\_type\_concept\_id | type\_concept\_id |  |  |
| stop\_reason | stop\_reason |  |  |
| refills | refills |  |  |
| quantity | quantity |  |  |
| days\_supply | days\_supply |  |  |
| sig | sig |  |  |
| route\_concept\_id | route\_concept\_id |  |  |
| lot\_number | lot\_number |  |  |
| provider\_id | provider\_id |  |  |
| visit\_occurrence\_id | visit\_occurrence\_id |  |  |
| visit\_detail\_id |  |  |  |
| drug\_source\_value | source\_value |  |  |
| drug\_source\_concept\_id | source\_concept\_id |  |  |
| route\_source\_value | route\_source\_value |  |  |
| dose\_unit\_source\_value | dose\_unit\_source\_value |  |  |

Table name: fact\_relationship

Table name: measurement

Reading from stem\_table



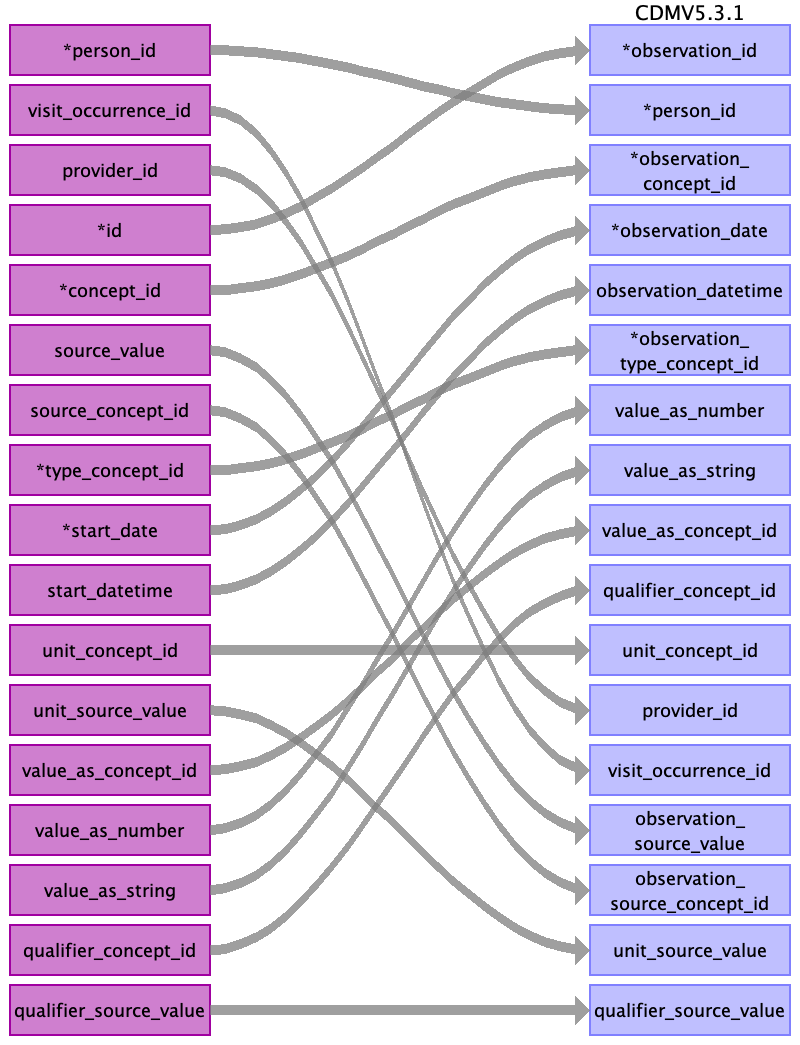
|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| measurement\_id | id |  |  |
| person\_id | person\_id |  |  |
| measurement\_concept\_id | concept\_id |  |  |
| measurement\_date | start\_date |  |  |
| measurement\_datetime | start\_datetime |  |  |
| measurement\_time |  |  |  |
| measurement\_type\_concept\_id | type\_concept\_id |  |  |
| operator\_concept\_id | operator\_concept\_id |  |  |
| value\_as\_number | value\_as\_number |  |  |
| value\_as\_concept\_id | value\_as\_concept\_id |  |  |
| unit\_concept\_id | unit\_concept\_id |  |  |
| range\_low | range\_low |  |  |
| range\_high | range\_high |  |  |
| provider\_id | provider\_id |  |  |
| visit\_occurrence\_id | visit\_occurrence\_id |  |  |
| visit\_detail\_id |  |  |  |
| measurement\_source\_value | source\_value |  |  |
| measurement\_source\_concept\_id | source\_concept\_id |  |  |
| unit\_source\_value | unit\_source\_value |  |  |
| value\_source\_value | value\_source\_value |  |  |

Table name: note

Table name: note\_nlp

Table name: observation

Reading from stem\_table

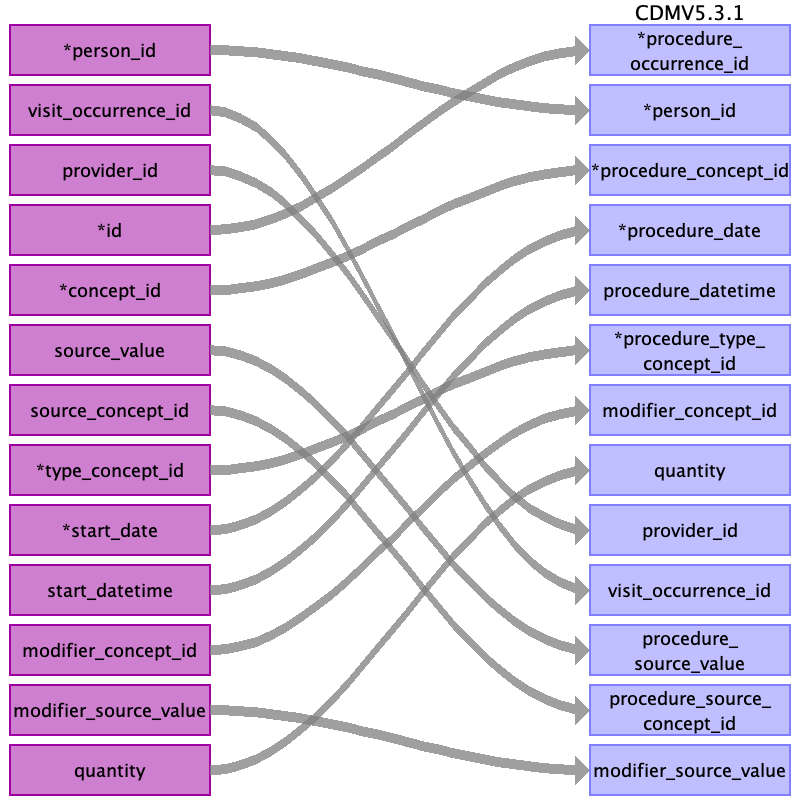


|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| observation\_id | id |  |  |
| person\_id | person\_id |  |  |
| observation\_concept\_id | concept\_id |  |  |
| observation\_date | start\_date |  |  |
| observation\_datetime | start\_datetime |  |  |
| observation\_type\_concept\_id | type\_concept\_id |  |  |
| value\_as\_number | value\_as\_number |  |  |
| value\_as\_string | value\_as\_string |  |  |
| value\_as\_concept\_id | value\_as\_concept\_id |  |  |
| qualifier\_concept\_id | qualifier\_concept\_id |  |  |
| unit\_concept\_id | unit\_concept\_id |  |  |
| provider\_id | provider\_id |  |  |
| visit\_occurrence\_id | visit\_occurrence\_id |  |  |
| visit\_detail\_id |  |  |  |
| observation\_source\_value | source\_value |  |  |
| observation\_source\_concept\_id | source\_concept\_id |  |  |
| unit\_source\_value | unit\_source\_value |  |  |
| qualifier\_source\_value | qualifier\_source\_value |  |  |

Table name: observation\_period

Table name: procedure\_occurrence

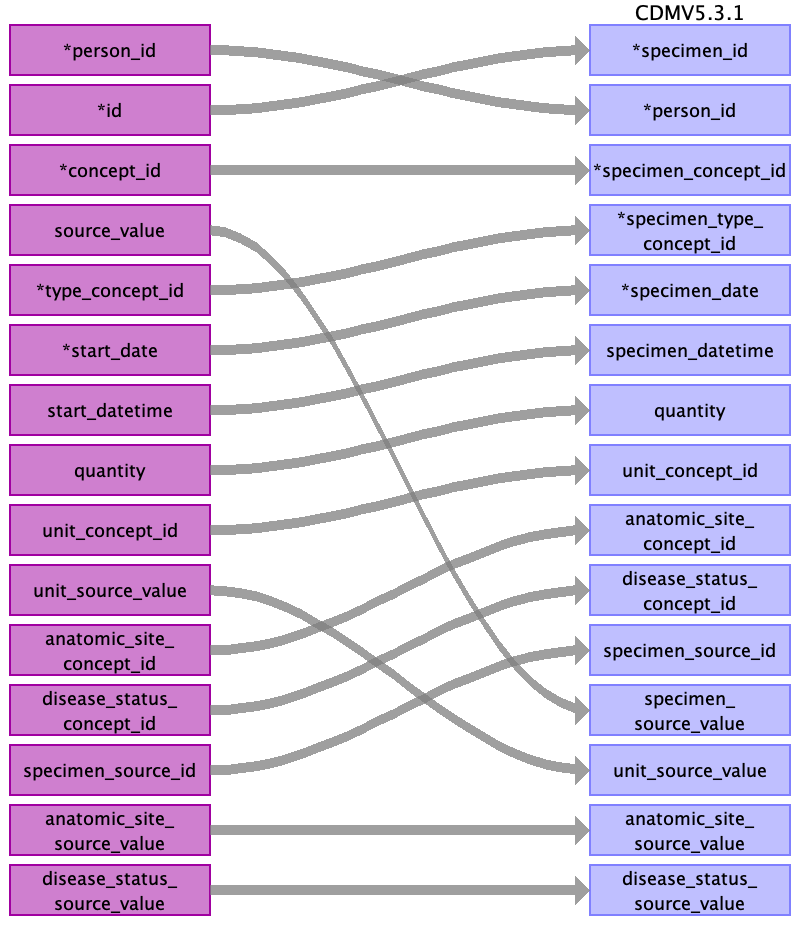
Reading from stem\_table



|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| procedure\_occurrence\_id | id |  |  |
| person\_id | person\_id |  |  |
| procedure\_concept\_id | concept\_id |  |  |
| procedure\_date | start\_date |  |  |
| procedure\_datetime | start\_datetime |  |  |
| procedure\_type\_concept\_id | type\_concept\_id |  |  |
| modifier\_concept\_id | modifier\_concept\_id |  |  |
| quantity | quantity |  |  |
| provider\_id | provider\_id |  |  |
| visit\_occurrence\_id | visit\_occurrence\_id |  |  |
| visit\_detail\_id |  |  |  |
| procedure\_source\_value | source\_value |  |  |
| procedure\_source\_concept\_id | source\_concept\_id |  |  |
| modifier\_source\_value | modifier\_source\_value |  |  |

Table name: specimen

Reading from stem\_table



|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| specimen\_id | id |  |  |
| person\_id | person\_id |  |  |
| specimen\_concept\_id | concept\_id |  |  |
| specimen\_type\_concept\_id | type\_concept\_id |  |  |
| specimen\_date | start\_date |  |  |
| specimen\_datetime | start\_datetime |  |  |
| quantity | quantity |  |  |
| unit\_concept\_id | unit\_concept\_id |  |  |
| anatomic\_site\_concept\_id | anatomic\_site\_concept\_id |  |  |
| disease\_status\_concept\_id | disease\_status\_concept\_id |  |  |
| specimen\_source\_id | specimen\_source\_id |  |  |
| specimen\_source\_value | source\_value |  |  |
| unit\_source\_value | unit\_source\_value |  |  |
| anatomic\_site\_source\_value | anatomic\_site\_source\_value |  |  |
| disease\_status\_source\_value | disease\_status\_source\_value |  |  |

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: location

Table name: provider

Table name: cdm\_source

Table name: metadata

Table name: attribute\_definition

Table name: cohort\_definition

Appendix: source tables

Table: patients.csv

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| ﻿id | varchar | List truncated... |  |
| birthdate | date | 1908-08-17 |  |
| deathdate | date |  |  |
| ssn | varchar | List truncated... |  |
| drivers | varchar |  |  |
| passport | varchar |  |  |
| prefix | varchar | Mr. |  |
| first | varchar | List truncated... |  |
| last | varchar | Haag279 |  |
| suffix | varchar |  |  |
| maiden | varchar |  |  |
| marital | varchar | M |  |
| race | varchar | white |  |
| ethnicity | varchar | irish |  |
| gender | varchar | M |  |
| birthplace | varchar | Boston |  |
| address | varchar | List truncated... |  |
| city | varchar | Boston |  |
| state | varchar | Massachusetts |  |
| zip | int | 02108 |  |

Table: allergies.csv

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| start | date | 2011-01-09 |  |
| stop | date |  |  |
| patient | varchar | 85a25223-0837-40a4-9bf1-932bdd64016b |  |
| encounter | varchar | fa3fe7ba-bea9-4aa4-963c-391ff0fa34a4 |  |
| code | int | 419474003 |  |
| description | varchar | Allergy to mould |  |

Table: careplans.csv

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| id | varchar | List truncated... |  |
| start | date | List truncated... |  |
| stop | date |  |  |
| patient | varchar | 7f2d94ac-081b-43b7-8cb5-2d2fd9552899 |  |
| encounter | varchar | List truncated... |  |
| code | int | 53950000 |  |
| description | varchar | Respiratory therapy |  |
| reasoncode | int | 10509002 |  |
| reasondescription | varchar | Acute bronchitis (disorder) |  |

Table: conditions.csv

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| start | date | 2013-01-10 |  |
| stop | date |  |  |
| patient | varchar | c7751bda-c4bb-4334-a578-3314685f41b8 |  |
| encounter | varchar | 3b44ae5b-077c-4b83-a377-8c4cdc449569 |  |
| code | int | 444814009 |  |
| description | varchar | Viral sinusitis (disorder) |  |

Table: encounters.csv

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| id | varchar | List truncated... |  |
| start | varchar | List truncated... |  |
| stop | varchar | List truncated... |  |
| patient | varchar | 18d59307-54ab-42d7-b998-e76ac1ee923f |  |
| provider | varchar | 340f836c-8b1f-45e7-91f8-498de5fbb320 |  |
| encounterclass | varchar | ambulatory |  |
| code | int | 185349003 |  |
| description | varchar | Encounter for check up (procedure) |  |
| cost | real | 129.16 |  |
| reasoncode | int |  |  |
| reasondescription | varchar |  |  |

Table: imaging\_studies.csv

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| id | varchar | List truncated... |  |
| date | date | List truncated... |  |
| patient | varchar | a9edebda-6b2d-43d0-bcce-2ecbb83cae9a |  |
| encounter | varchar | List truncated... |  |
| bodysite\_code | int | 51185008 |  |
| bodysite\_description | varchar | Thoracic structure (body structure) |  |
| modality\_code | varchar | DX |  |
| modality\_description | varchar | Digital Radiography |  |
| sop\_code | varchar | 1.2.840.10008.5.1.4.1.1.1.1 |  |
| sop\_description | varchar | Digital X-Ray Image Storage |  |

Table: immunizations.csv

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| date | date | 2014-01-18 |  |
| patient | varchar | 74b85400-824b-4fda-8a3b-d6e20de4599d |  |
| encounter | varchar | aaecdacd-361e-42bb-9a4c-c2999b6b38f4 |  |
| code | int | 140 |  |
| description | varchar | Influenza seasonal injectable preservative free |  |
| cost | real | 140.52 |  |

Table: medications.csv

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| start | date | 2014-04-04 |  |
| stop | date |  |  |
| patient | varchar | d3814387-d926-4d1b-acb1-55dce114b3d5 |  |
| encounter | varchar | dec7038a-8d28-4f45-9f2f-0dd71c5a7d86 |  |
| code | int | 316672 |  |
| description | varchar | Simvistatin 10 MG |  |
| cost | real | 263.49 |  |
| dispenses | int | 1 |  |
| totalcost | real | 3161.88 |  |
| reasoncode | int |  |  |
| reasondescription | varchar |  |  |

Table: observations.csv

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| date | date | 2011-07-12 |  |
| patient | varchar | a9edebda-6b2d-43d0-bcce-2ecbb83cae9a |  |
| encounter | varchar | 855e14bc-c81a-40e8-aa2d-327466ba6517 |  |
| code | varchar | 72514-3 |  |
| description | varchar | Pain severity - 0-10 verbal numeric rating [Score] - Reported |  |
| value | varchar | Never smoker |  |
| units | varchar | mg/dL |  |
| type | varchar | numeric |  |

Table: organizations.csv

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| id | varchar | List truncated... |  |
| name | varchar | List truncated... |  |
| address | varchar | List truncated... |  |
| city | varchar | List truncated... |  |
| state | varchar | MA |  |
| zip | int | List truncated... |  |
| phone | varchar | List truncated... |  |
| utilization | int | 1 |  |

Table: procedures.csv

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| date | date | 2012-12-17 |  |
| patient | varchar | 18d59307-54ab-42d7-b998-e76ac1ee923f |  |
| encounter | varchar | e044ca0e-ff73-4e34-b557-bb301ea930d1 |  |
| code | varchar | 428191000124101 |  |
| description | varchar | Documentation of current medications |  |
| cost | real | 516.65 |  |
| reasoncode | int | 72892002 |  |
| reasondescription | varchar | Normal pregnancy |  |

Table: providers.csv

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| id | empty |  |  |
| organization | empty |  |  |
| name | empty |  |  |
| gender | empty |  |  |
| speciality | empty |  |  |
| address | empty |  |  |
| city | empty |  |  |
| state | empty |  |  |
| zip | empty |  |  |
| utilization | empty |  |  |

Table: stem\_table

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| domain\_id | CHARACTER VARYING |  |  |
| person\_id | INTEGER |  |  |
| visit\_occurrence\_id | INTEGER |  |  |
| provider\_id | INTEGER |  |  |
| id | INTEGER |  |  |
| concept\_id | INTEGER |  |  |
| source\_value | CHARACTER VARYING |  |  |
| source\_concept\_id | INTEGER |  |  |
| type\_concept\_id | INTEGER |  |  |
| start\_date | DATE |  |  |
| start\_datetime | DATETIME |  |  |
| end\_date | DATE |  |  |
| end\_datetime | DATETIME |  |  |
| verbatim\_end\_date | DATE |  |  |
| days\_supply | INTEGER |  |  |
| dose\_unit\_source\_value | CHARACTER VARYING |  |  |
| lot\_number | CHARACTER VARYING |  |  |
| modifier\_concept\_id | INTEGER |  |  |
| operator\_concept\_id | INTEGER |  |  |
| modifier\_concept\_id | INTEGER |  |  |
| modifier\_source\_value | CHARACTER VARYING |  |  |
| quantity | INTEGER |  |  |
| range\_high | FLOAT |  |  |
| range\_low | FLOAT |  |  |
| refills | INTEGER |  |  |
| route\_concept\_id | INTEGER |  |  |
| route\_source\_value | CHARACTER VARYING |  |  |
| sig | CHARACTER VARYING |  |  |
| stop\_reason | CHARACTER VARYING |  |  |
| unique\_device\_id | CHARACTER VARYING |  |  |
| unit\_concept\_id | INTEGER |  |  |
| unit\_source\_value | CHARACTER VARYING |  |  |
| value\_as\_concept\_id | INTEGER |  |  |
| value\_as\_number | DECIMAL |  |  |
| value\_as\_string | CHARACTER VARYING |  |  |
| value\_source\_value | CHARACTER VARYING |  |  |
| anatomic\_site\_concept\_id | INTEGER |  |  |
| disease\_status\_concept\_id | INTEGER |  |  |
| specimen\_source\_id | INTEGER |  |  |
| anatomic\_site\_source\_value | CHARACTER VARYING |  |  |
| disease\_status\_source\_value | CHARACTER VARYING |  |  |
| condition\_status\_concept\_id | CHARACTER VARYING |  |  |
| condition\_status\_source\_value | INTEGER |  |  |
| qualifier\_concept\_id | INTEGER |  |  |
| qualifier\_source\_value | CHARACTER VARYING |  |  |