Source Data Mapping Approach to CDMV5.3

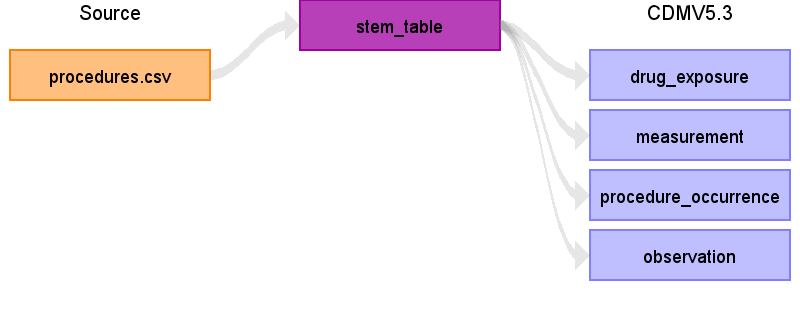


Table name: stem\_table

Reading from procedures.csv

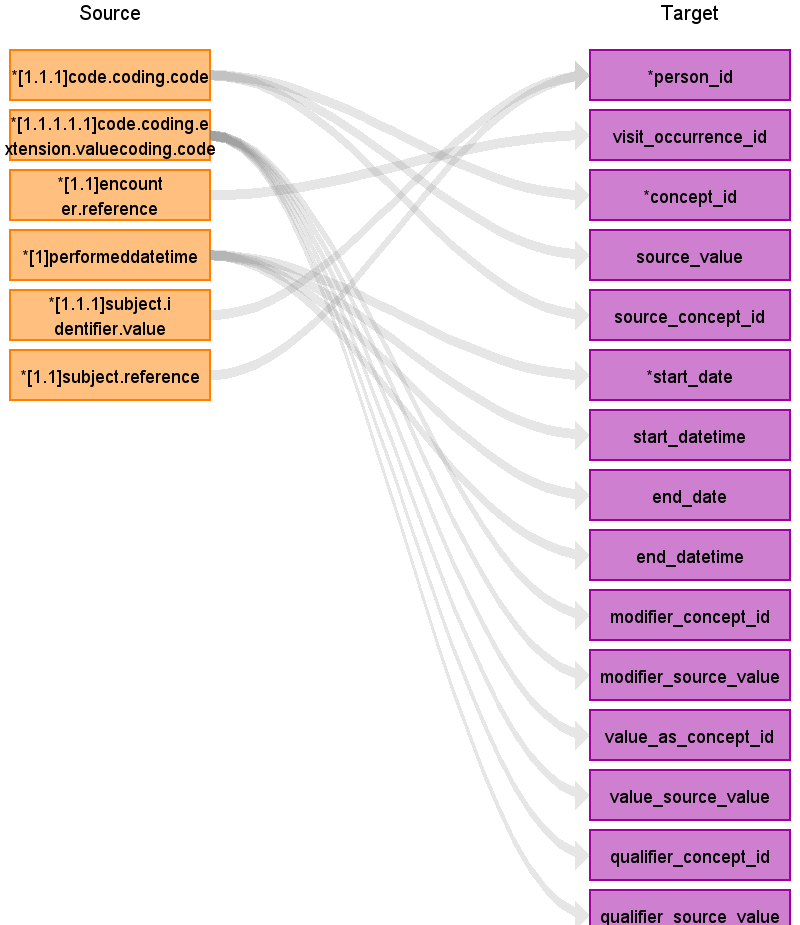
- only mapping if status = "in-progress", "on-hold", "completed" or "unknown"

- Mapping from Non-Standard-Concept (OPS) to Standard-Concept available: use domain from Standard-Concept

- Mapping from Non-Standard-Concept (OPS) to Standard-Concept not available or mapping from Non-Standard-Concept (OPS) to Standard-Concept is invalid: use domain from Non-Standard-Concept

- Mapping to Non-Standard-Concept not available: use domain of Procedure

- Implementation in fhir-to-omop/src/main/java/org/miracum/etl/fhirtoomop/mapper/ProcedureMapper.java



|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| domain\_id |  |  |  |
| person\_id | [1.1.1]subject.identifier.value  [1.1]subject.reference | - person\_id via search of subject.identifier.value in person.person\_source\_value  - Formatting required  -> separation prefix ("Patient/") and identifier  - person\_id via search of separated subject.reference in person.person\_source\_value | Example:  FHIR: 100  OMOP: 1  Example:  FHIR: Patient/100  OMOP: 1 |
| visit\_occurrence\_id | [1.1]encounter.reference | - Formatting required  -> separation prefix ("Encounter/") and identifier  - visit\_occurrence\_id via search of separated encounter.reference in visit\_occurrence.visit\_source\_value | Example:  FHIR: Encounter/200  OMOP: 1 |
| visit\_detail\_id |  |  |  |
| provider\_id |  |  |  |
| id |  |  | generated automatically |
| concept\_id | [1.1.1]code.coding.code | - Mapping from code.coding.code to concept\_id (Standard-Concept) in ops\_standard\_lookup  -> corresponding code.coding.system = "http://fhir.de/CodeSystem/dimdi/ops"  - concept\_id = 0, if no Standard-Concept was found or if mapping from Non-Standard-Concept to Standard-Concept is invalid | Example:  FHIR: 5-896.x4  OMOP: 4075360 |
| source\_value | [1.1.1]code.coding.code |  | Example:  FHIR: 5-896.x4  OMOP: 5-896.x4 |
| source\_concept\_id | [1.1.1]code.coding.code | - Mapping from code.coding.code to concept\_id (Non-Standard-Concept) in ops\_standard\_lookup  -> corresponding code.coding.system = "http://fhir.de/CodeSystem/dimdi/ops"  - concept\_id = 0, if no Non-Standard-Concept was found | Example:  FHIR: 5-896.x4  OMOP: 42769869 |
| type\_concept\_id |  |  | - concept\_id = 32817 (EHR) |
| start\_date | [1]performeddatetime | - Formatting required | Example:  FHIR: 2013-10-07T14:54:27Z  OMOP: 2013-10-07 |
| start\_datetime | [1]performeddatetime | - Formatting required | Example:  FHIR: 2013-10-07T14:54:27Z  OMOP: 2013-10-07 14:54:27 |
| end\_date | [1]performeddatetime | - Formatting required  - only for mapping to drug\_exposure | Example:  FHIR: 2013-10-07T14:54:27Z  OMOP: 2013-10-07 |
| end\_datetime | [1]performeddatetime | - Formatting required  - only for mapping to drug\_exposure | Example:  FHIR: 2013-10-07T14:54:27Z  OMOP: 2013-10-07 14:54:27 |
| verbatim\_end\_date |  |  |  |
| days\_supply |  |  |  |
| dose\_unit\_source\_value |  |  |  |
| lot\_number |  |  |  |
| modifier\_concept\_id | [1.1.1.1.1]code.coding.extension.valuecoding.code | - Mapping from code.coding.extension.valueCoding.code to concept\_id in source\_to\_concept\_map via source\_vocabulary\_id = "Localization"  -> corresponding code.coding.extension = "http://fhir.de/StructureDefinition/seitenlokalisation"  -> concept\_id = 0, if no mapping was found | Example:  FHIR: L  OMOP: 4300877 |
| modifier\_source\_value | [1.1.1.1.1]code.coding.extension.valuecoding.code |  | Example:  FHIR: L  OMOP: L |
| operator\_concept\_id |  |  |  |
| 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 | [1.1.1.1.1]code.coding.extension.valuecoding.code | - Mapping from code.coding.extension.valueCoding.code to concept\_id in source\_to\_concept\_map via source\_vocabulary\_id = "Localization"  -> corresponding code.coding.extension = "http://fhir.de/StructureDefinition/seitenlokalisation"  -> concept\_id = 0, if no mapping was found | Example:  FHIR: L  OMOP: 4300877 |
| value\_as\_number |  |  |  |
| value\_as\_string |  |  |  |
| value\_source\_value | [1.1.1.1.1]code.coding.extension.valuecoding.code |  | Example:  FHIR: L  OMOP: L |
| 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 | [1.1.1.1.1]code.coding.extension.valuecoding.code | - Mapping from code.coding.extension.valueCoding.code to concept\_id in source\_to\_concept\_map via source\_vocabulary\_id = "Localization"  -> corresponding code.coding.extension = "http://fhir.de/StructureDefinition/seitenlokalisation"  -> concept\_id = 0, if no mapping was found | Example:  FHIR: L  OMOP: 4300877 |
| qualifier\_source\_value | [1.1.1.1.1]code.coding.extension.valuecoding.code |  | Example:  FHIR: L  OMOP: L |
| measurement\_time |  |  |  |

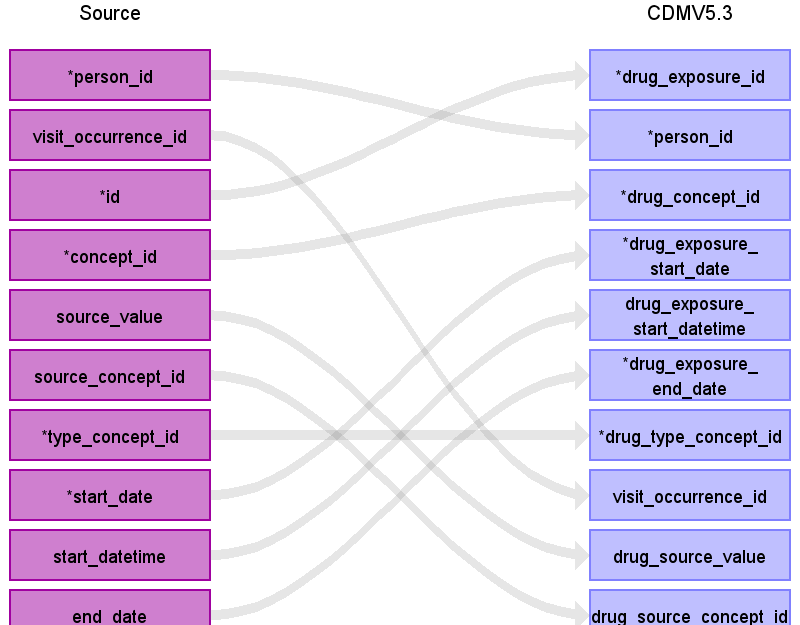
Table name: drug\_exposure

Reading from stem\_table

- only mapping if status = "in-progress", "on-hold", "completed" or "unknown"

- domain\_id = "Drug"

- Implementation in fhir-to-omop/src/main/java/org/miracum/etl/fhirtoomop/mapper/ProcedureMapper.java



|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| drug\_exposure\_id | id |  | generated automatically |
| 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 |  |  |  |
| verbatim\_end\_date |  |  |  |
| drug\_type\_concept\_id | type\_concept\_id |  | - concept\_id = 32817 (EHR) |
| stop\_reason |  |  |  |
| refills |  |  |  |
| quantity |  |  |  |
| days\_supply |  |  |  |
| sig |  |  |  |
| route\_concept\_id |  |  |  |
| lot\_number |  |  |  |
| 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 |  |  |  |
| dose\_unit\_source\_value |  |  |  |

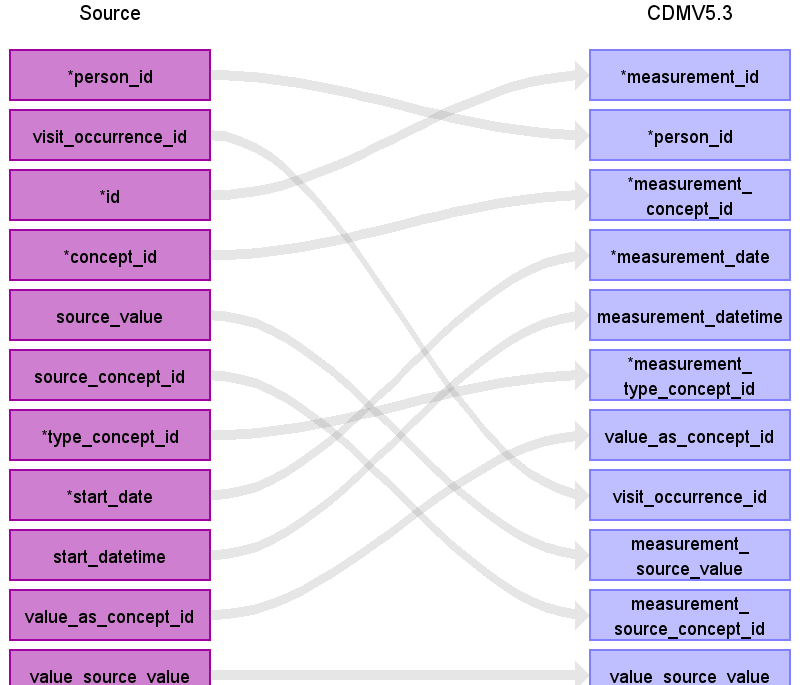
Table name: measurement

Reading from stem\_table

- only mapping if status = "in-progress", "on-hold", "completed" or "unknown"

- domain\_id = "Measurement"

- Implementation in fhir-to-omop/src/main/java/org/miracum/etl/fhirtoomop/mapper/ProcedureMapper.java



|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| measurement\_id | id |  | generated automatically |
| 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 |  | - concept\_id = 32817 (EHR) |
| operator\_concept\_id |  |  |  |
| value\_as\_number |  |  |  |
| value\_as\_concept\_id | value\_as\_concept\_id |  |  |
| unit\_concept\_id |  |  |  |
| range\_low |  |  |  |
| range\_high |  |  |  |
| 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 |  |  |  |
| value\_source\_value | value\_source\_value |  |  |

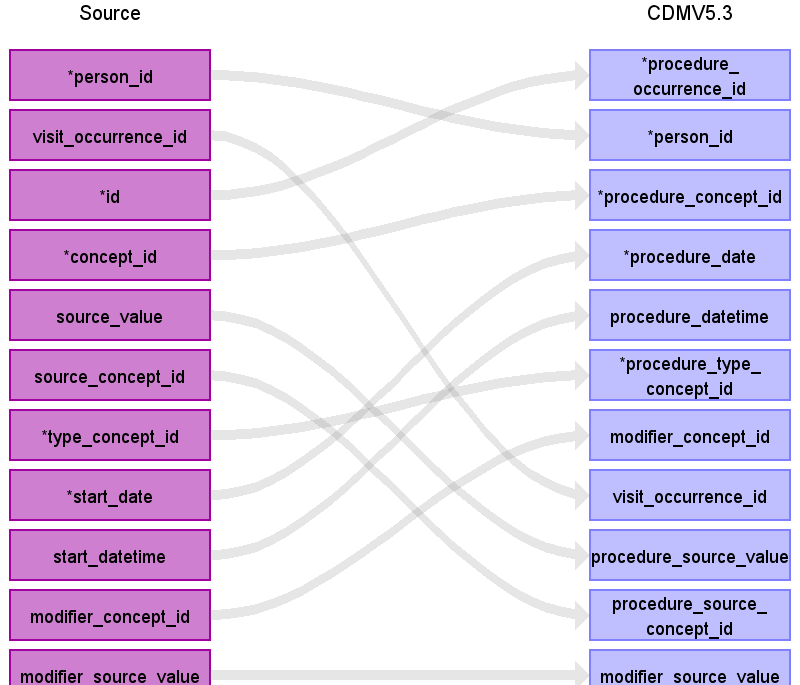
Table name: procedure\_occurrence

Reading from stem\_table

- only mapping if status = "in-progress", "on-hold", "completed" or "unknown"

- domain\_id = "Procedure"

- Implementation in fhir-to-omop/src/main/java/org/miracum/etl/fhirtoomop/mapper/ProcedureMapper.java



|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| procedure\_occurrence\_id | id |  | generated automatically |
| person\_id | person\_id |  |  |
| procedure\_concept\_id | concept\_id |  |  |
| procedure\_date | start\_date |  |  |
| procedure\_datetime | start\_datetime |  |  |
| procedure\_type\_concept\_id | type\_concept\_id |  | - concept\_id = 32817 (EHR) |
| modifier\_concept\_id | modifier\_concept\_id |  |  |
| quantity |  |  |  |
| 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 |  |  |

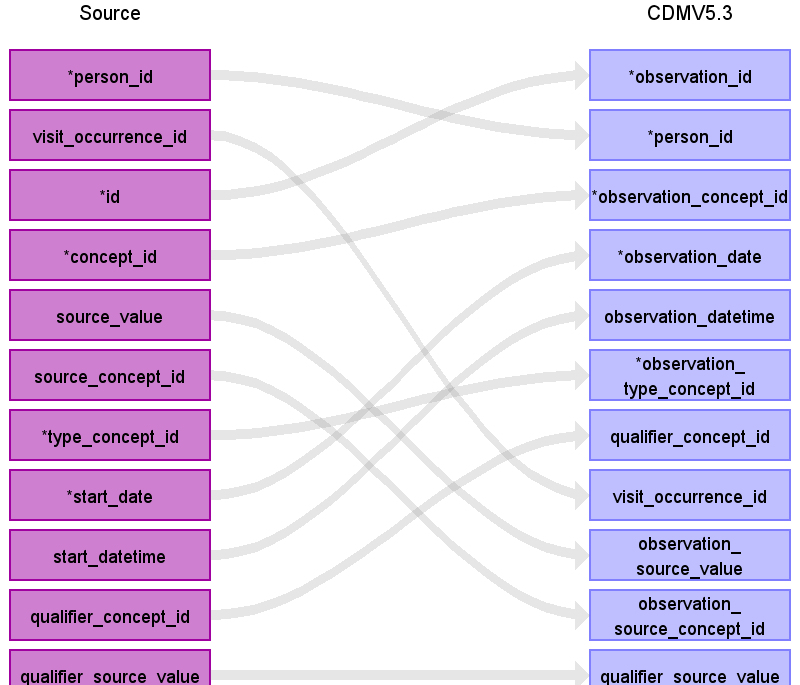
Table name: observation

Reading from stem\_table

- only mapping if status = "in-progress", "on-hold", "completed" or "unknown"

- domain\_id = "Observation"

- Implementation in fhir-to-omop/src/main/java/org/miracum/etl/fhirtoomop/mapper/ProcedureMapper.java



|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| observation\_id | id |  | generated automatically |
| person\_id | person\_id |  |  |
| observation\_concept\_id | concept\_id |  |  |
| observation\_date | start\_date |  |  |
| observation\_datetime | start\_datetime |  |  |
| observation\_type\_concept\_id | type\_concept\_id |  | - concept\_id = 32817 (EHR) |
| value\_as\_number |  |  |  |
| value\_as\_string |  |  |  |
| value\_as\_concept\_id |  |  |  |
| qualifier\_concept\_id | qualifier\_concept\_id |  |  |
| unit\_concept\_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 |  |  |  |
| qualifier\_source\_value | qualifier\_source\_value |  |  |

Table name: condition\_occurrence

Table name: death

Table name: device\_exposure

Table name: fact\_relationship

Table name: note

Table name: note\_nlp

Table name: observation\_period

Table name: person

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: location

Table name: provider

Table name: cdm\_source

Table name: metadata

Table name: attribute\_definition

Table name: cohort\_definition

Appendix: source tables

Table: stem\_table

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| domain\_id | CHARACTER VARYING |  |  |
| person\_id | INTEGER |  |  |
| visit\_occurrence\_id | INTEGER |  |  |
| visit\_detail\_id | INTEGER |  |  |
| provider\_id | INTEGER |  |  |
| id | INTEGER |  | generated automatically |
| concept\_id | INTEGER |  |  |
| source\_value | CHARACTER VARYING |  |  |
| source\_concept\_id | INTEGER |  |  |
| type\_concept\_id | INTEGER |  | - concept\_id = 32817 (EHR) |
| 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 |  |  |
| modifier\_source\_value | CHARACTER VARYING |  |  |
| operator\_concept\_id | INTEGER |  |  |
| 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 |  |  |
| measurement\_time | CHARACTER VARYING |  |  |

Table: procedures.csv

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
|  | INT | 4970 |  |
| [1.1.1]category.coding.code | INT | 103693007 |  |
| [1.1.1]category.coding.display | VARCHAR | Diagnostic procedure |  |
| [1.1.1]category.coding.system | VARCHAR | http://snomed.info/sct |  |
| [1.1.1]code.coding.code | VARCHAR | 5-895.37 |  |
| [1.2.1]code.coding.code | INT | 86481000 |  |
| [1.1.1]code.coding.display | VARCHAR | Radikale und ausgedehnte Exzision von erkranktem Gewebe an Haut und Unterhaut: Mit primärem Wundverschluss, histographisch kontrolliert (mikrographische Chirurgie): Oberarm und Ellenbogen |  |
| [1.2.1]code.coding.display | VARCHAR | Laparotomy (procedure) |  |
| [1.1.1]code.coding.extension | VARCHAR | http://fhir.de/StructureDefinition/seitenlokalisation |  |
| [1.1.1.1.1]code.coding.extension.valuecoding.code | VARCHAR | L |  |
| [1.1.1.1.1]code.coding.extension.valuecoding.display | VARCHAR | links |  |
| [1.1.1.1.1]code.coding.extension.valuecoding.system | VARCHAR | https://applications.kbv.de/S\_ICD\_SEITENLOKALISATION\_V1.00.xhtml |  |
| [1.1.1.1.1]code.coding.extension.valuecoding.version | REAL | 1.00 |  |
| [1.1.1]code.coding.system | VARCHAR | http://fhir.de/CodeSystem/dimdi/ops |  |
| [1.2.1]code.coding.system | VARCHAR | http://snomed.info/sct |  |
| [1.1.1]code.coding.version | VARCHAR | ops2019 |  |
| [1.1]encounter.reference | VARCHAR | Encounter/748 |  |
| [1]id | INT | 4970 |  |
| [1.1]identifier.system | VARCHAR | https://diz.uniklinikum-dresden.de/fhir/core/NamingSystem/ProzedurId |  |
| [1.1]identifier.value | INT | 4970 |  |
| [1.1]location.display | VARCHAR | VTG |  |
| [1.1.1]location.identifier.system | VARCHAR | https://diz.uniklinikum-dresden.de/fhir/CodeSystem/OrganisationAbteilungen |  |
| [1.1.1]location.identifier.value | VARCHAR | VTG |  |
| [1.1]meta.lastupdated | VARCHAR | 2023-08-15T12:51:55.360Z |  |
| [1.1]meta.profile | VARCHAR | https://www.medizininformatik-initiative.de/fhir/core/modul-prozedur/StructureDefinition/Procedure |  |
| [1.1]meta.source | VARCHAR | https://diz.uniklinikum-dresden.de/information-mart\_mii-kds\_v001/dwh-to-fhir\_v001/ |  |
| [1.1]meta.versionid | INT | 85539 |  |
| [1]performeddatetime | VARCHAR | 2019-07-22T21:59:23Z |  |
| [1]status | VARCHAR | completed |  |
| [1.1.1]subject.identifier.system | VARCHAR | https://diz.uniklinikum-dresden.de/fhir/core/NamingSystem/PatientId |  |
| [1.1.1]subject.identifier.value | INT | 627 |  |
| [1.1]subject.reference | VARCHAR | Patient/627 |  |

Table: patients.csv

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
|  | INT | 1220 |  |
| [1.1]address.extension | VARCHAR | http://hl7.org/fhir/StructureDefinition/data-absent-reason |  |
| [1.1.1.1]address.extension.valuecoding.code | VARCHAR | masked |  |
| [1.1.1.1]address.extension.valuecoding.display | VARCHAR | Masked |  |
| [1.1.1.1]address.extension.valuecoding.system | VARCHAR | http://hl7.org/fhir/StructureDefinition/data-absent-reason |  |
| [1]birthdate | DATE | 1982-01-16 |  |
| [1]deceasedboolean | VARCHAR | false |  |
| [1]deceaseddatetime | VARCHAR |  |  |
| [1]gender | VARCHAR | male |  |
| [1]id | INT | 1220 |  |
| [1.1.1.1]identifier.assigner.identifier.system | VARCHAR | https://diz.uniklinikum-dresden.de/fhir/core/NamingSystem/OrganisationId |  |
| [1.1.1.1.1.1]identifier.assigner.identifier.type.coding.code | VARCHAR | XX |  |
| [1.1.1.1.1.1]identifier.assigner.identifier.type.coding.system | VARCHAR | http://terminology.hl7.org/CodeSystem/v2-0203 |  |
| [1.1.1.1]identifier.assigner.identifier.value | VARCHAR | UKDD |  |
| [1.1]identifier.system | VARCHAR | https://diz.uniklinikum-dresden.de/fhir/core/NamingSystem/PatientId |  |
| [1.1.1.1]identifier.type.coding.code | VARCHAR | MR |  |
| [1.1.1.1]identifier.type.coding.system | VARCHAR | http://terminology.hl7.org/CodeSystem/v2-0203 |  |
| [1.1]identifier.use | VARCHAR | usual |  |
| [1.1]identifier.value | INT | 1220 |  |
| [1.1]meta.lastupdated | VARCHAR | 2023-08-15T12:51:50.905Z |  |
| [1.1]meta.profile | VARCHAR | https://www.medizininformatik-initiative.de/fhir/core/modul-person/StructureDefinition/Patient |  |
| [1.1]meta.source | VARCHAR | https://diz.uniklinikum-dresden.de/information-mart\_mii-kds\_v001/dwh-to-fhir\_v001/ |  |
| [1.1]meta.versionid | INT | 85458 |  |
| [1.1]name.extension | VARCHAR | http://hl7.org/fhir/StructureDefinition/data-absent-reason |  |
| [1.1.1.1]name.extension.valuecoding.code | VARCHAR | masked |  |
| [1.1.1.1]name.extension.valuecoding.display | VARCHAR | Masked |  |
| [1.1.1.1]name.extension.valuecoding.system | VARCHAR | http://terminology.hl7.org/CodeSystem/data-absent-reason |  |

Table: encounterek.csv

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
|  | INT | 1462 |  |
| [1.1]class.code | VARCHAR | SS |  |
| [1.1]class.display | VARCHAR | short stay |  |
| [1.1]class.system | VARCHAR | http://terminology.hl7.org/CodeSystem/v3-ActCode |  |
| [1.1.1.1]hospitalization.admitsource.coding.code | VARCHAR | G |  |
| [1.1.1.1]hospitalization.admitsource.coding.display | VARCHAR | Geburt |  |
| [1.1.1.1]hospitalization.admitsource.coding.system | VARCHAR | https://www.medizininformatik-initiative.de/fhir/core/modul-fall/CodeSystem/Aufnahmeanlass |  |
| [1.1.1.1]hospitalization.dischargedisposition.coding.code | INT |  |  |
| [1.1.1.1]hospitalization.dischargedisposition.coding.display | VARCHAR |  |  |
| [1.1.1.1]hospitalization.dischargedisposition.coding.system | VARCHAR | https://www.medizininformatik-initiative.de/fhir/core/modul-fall/CodeSystem/Entlassungsgrund |  |
| [1]id | INT | 1462 |  |
| [1.1.1.1]identifier.assigner.identifier.system | VARCHAR | https://diz.uniklinikum-dresden.de/fhir/core/NamingSystem/OrganisationId |  |
| [1.1.1.1]identifier.assigner.identifier.value | VARCHAR | UKDD |  |
| [1.1]identifier.system | VARCHAR | https://diz.uniklinikum-dresden.de/fhir/core/NamingSystem/Encounter/EinrichtungskontaktId |  |
| [1.1.1.1]identifier.type.coding.code | VARCHAR | VN |  |
| [1.1.1.1]identifier.type.coding.system | VARCHAR | http://terminology.hl7.org/CodeSystem/v2-0203 |  |
| [1.1]identifier.value | INT | 1462 |  |
| [1.1]meta.lastupdated | VARCHAR | 2023-10-25T07:32:34.407Z |  |
| [1.1]meta.profile | VARCHAR | https://www.medizininformatik-initiative.de/fhir/core/modul-fall/StructureDefinition/KontaktGesundheitseinrichtung |  |
| [1.1]meta.source | VARCHAR | https://diz.uniklinikum-dresden.de/information-mart\_mii-kds\_v001/dwh-to-fhir\_v001/ |  |
| [1.1]meta.versionid | INT | 370 |  |
| [1.1]period.end | VARCHAR | 2020-02-16T20:43:24Z |  |
| [1.1]period.start | VARCHAR | 2012-11-02T18:15:48Z |  |
| [1.1.1]reasoncode.coding.code | INT | 01 |  |
| [1.1.1]reasoncode.coding.display | VARCHAR | Krankenhausbehandlung, vollstationär |  |
| [1.1.1]reasoncode.coding.system | VARCHAR | https://www.medizininformatik-initiative.de/fhir/modul-fall/core/CodeSystem/Aufnahmegrund |  |
| [1.1.1]serviceprovider.identifier.system | VARCHAR | http://diz.uniklinikum-dresden.de/fhir/core/NamingSystem/OrganisationId |  |
| [1.1.1]serviceprovider.identifier.value | VARCHAR | UKDD |  |
| [1]status | VARCHAR | finished |  |
| [1.1.1]subject.identifier.system | VARCHAR | https://diz.uniklinikum-dresden.de/fhir/core/NamingSystem/PatientId |  |
| [1.1.1]subject.identifier.value | INT | 627 |  |
| [1.1]subject.reference | VARCHAR | Patient/627 |  |
| [1.1.1]type.coding.code | VARCHAR | einrichtungskontakt |  |
| [1.1.1]type.coding.display | VARCHAR | Einrichtungskontakt |  |
| [1.1.1]type.coding.system | VARCHAR | https://www.medizininformatik-initiative.de/fhir/core/modul-fall/CodeSystem/Kontaktebene |  |
| [1.1]type.text | VARCHAR | ambulant |  |

Table: encounterak.csv

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
|  | INT | 2306 |  |
| [1.1]class.code | VARCHAR | IMP |  |
| [1.1]class.display | VARCHAR | inpatient encounter |  |
| [1.1]class.system | VARCHAR | http://terminology.hl7.org/CodeSystem/v3-ActCode |  |
| [1]id | INT | 4970 |  |
| [1.1.1.1]identifier.assigner.identifier.system | VARCHAR | https://diz.uniklinikum-dresden.de/fhir/core/NamingSystem/OrganisationId |  |
| [1.1.1.1]identifier.assigner.identifier.value | VARCHAR | UKDD |  |
| [1.1]identifier.system | VARCHAR | https://diz.uniklinikum-dresden.de/fhir/core/NamingSystem/Encounter/AbteilungskontaktId |  |
| [1.1.1.1]identifier.type.coding.code | VARCHAR | VN |  |
| [1.1.1.1]identifier.type.coding.system | VARCHAR | http://terminology.hl7.org/CodeSystem/v2-0203 |  |
| [1.1]identifier.value | INT | 4970 |  |
| [1.1.1.1]location.location.identifier.system | VARCHAR | https://diz.uniklinikum-dresden.de/fhir/CodeSystem/OrganisationAbteilungen |  |
| [1.1.1.1]location.location.identifier.value | VARCHAR | MK-ITS2 |  |
| [1.1.1]location.period.end | VARCHAR | 2018-01-12T17:44:20Z |  |
| [1.1.1]location.period.start | VARCHAR | 2017-09-22T08:31:49Z |  |
| [1.1.1.1]location.physicaltype.coding.code | VARCHAR | wa |  |
| [1.1.1.1]location.physicaltype.coding.display | VARCHAR | Ward |  |
| [1.1.1.1]location.physicaltype.coding.system | VARCHAR | http://terminology.hl7.org/CodeSystem/location-physical-type |  |
| [1.1]location.status | VARCHAR | active |  |
| [1.1]meta.lastupdated | VARCHAR | 2023-08-15T12:55:35.180Z |  |
| [1.1]meta.profile | VARCHAR | https://www.medizininformatik-initiative.de/fhir/core/modul-fall/StructureDefinition/KontaktGesundheitseinrichtung |  |
| [1.1]meta.source | VARCHAR | https://diz.uniklinikum-dresden.de/information-mart\_mii-kds\_v001/dwh-to-fhir\_v001/ |  |
| [1.1]meta.versionid | INT | 92740 |  |
| [1.1]partof.reference | VARCHAR | Encounter/377 |  |
| [1.1]period.end | VARCHAR | 2014-02-18T22:04:00Z |  |
| [1.1]period.start | VARCHAR | 2018-06-30T05:04:15Z |  |
| [1.1.1]serviceprovider.identifier.system | VARCHAR | http://diz.uniklinikum-dresden.de/fhir/core/NamingSystem/OrganisationId |  |
| [1.1.1]serviceprovider.identifier.value | VARCHAR | UKDD |  |
| [1.1.1]servicetype.coding.code | INT | 1028 |  |
| [1.1.1]servicetype.coding.display | VARCHAR | Pädiatrie/Schwerpunkt Kinderneurologie |  |
| [1.1.1]servicetype.coding.system | VARCHAR | https://www.medizininformatik-initiative.de/fhir/core/modul-fall/CodeSystem/Fachabteilungsschluessel |  |
| [1]status | VARCHAR | finished |  |
| [1.1.1]subject.identifier.system | VARCHAR | https://diz.uniklinikum-dresden.de/fhir/core/NamingSystem/PatientId |  |
| [1.1.1]subject.identifier.value | INT | 627 |  |
| [1.1]subject.reference | VARCHAR | Patient/627 |  |
| [1.1.1]type.coding.code | VARCHAR | abteilungskontakt |  |
| [1.1.1]type.coding.display | VARCHAR | Abteilungskontakt |  |
| [1.1.1]type.coding.system | VARCHAR | https://www.medizininformatik-initiative.de/fhir/core/modul-fall/CodeSystem/Kontaktebene |  |
| [1.1]type.text | VARCHAR | teilstationär |  |

Table: conditions.csv

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
|  | INT | 3640 |  |
| [1.1.1]clinicalstatus.coding.code | VARCHAR | active |  |
| [1.1.1]clinicalstatus.coding.system | VARCHAR | http://terminology.hl7.org/CodeSystem/condition-clinical |  |
| [1.1.1]code.coding.code | VARCHAR | J09 U69.21! |  |
| [1.1.1]code.coding.display | VARCHAR | Enzephalopathie nach Strahlenexposition, Enzephalopathie nach Strahlenexposition |  |
| [1.1.1]code.coding.extension | VARCHAR | http://fhir.de/StructureDefinition/icd-10-gm-primaercode |  |
| [1.1.2]code.coding.extension | VARCHAR | http://fhir.de/StructureDefinition/seitenlokalisation |  |
| [1.1.3]code.coding.extension | VARCHAR | http://fhir.de/StructureDefinition/icd-10-gm-diagnosesicherheit |  |
| [1.1.4]code.coding.extension | VARCHAR | http://fhir.de/StructureDefinition/icd-10-gm-ausrufezeichen |  |
| [1.1.1.1.1]code.coding.extension.valuecoding.code | VARCHAR | J09 |  |
| [1.1.2.1.1]code.coding.extension.valuecoding.code | VARCHAR | B |  |
| [1.1.3.1.1]code.coding.extension.valuecoding.code | VARCHAR | Z |  |
| [1.1.4.1.1]code.coding.extension.valuecoding.code | VARCHAR | Y57.9! |  |
| [1.1.1.1.1]code.coding.extension.valuecoding.display | VARCHAR | Enzephalopathie nach Strahlenexposition |  |
| [1.1.2.1.1]code.coding.extension.valuecoding.display | VARCHAR | beiderseits |  |
| [1.1.3.1.1]code.coding.extension.valuecoding.display | VARCHAR | Zustand nach |  |
| [1.1.4.1.1]code.coding.extension.valuecoding.display | VARCHAR | Enzephalopathie nach Strahlenexposition |  |
| [1.1.1.1.1]code.coding.extension.valuecoding.system | VARCHAR | http://fhir.de/CodeSystem/bfarm/icd-10-gm |  |
| [1.1.2.1.1]code.coding.extension.valuecoding.system | VARCHAR | https://fhir.kbv.de/CodeSystem/KBV\_CS\_SFHIR\_ICD\_SEITENLOKALISATION |  |
| [1.1.3.1.1]code.coding.extension.valuecoding.system | VARCHAR | https://fhir.kbv.de/CodeSystem/KBV\_CS\_SFHIR\_ICD\_DIAGNOSESICHERHEIT |  |
| [1.1.4.1.1]code.coding.extension.valuecoding.system | VARCHAR | http://fhir.de/CodeSystem/bfarm/icd-10-gm |  |
| [1.1.1.1.1]code.coding.extension.valuecoding.version | INT | 2014 |  |
| [1.1.2.1.1]code.coding.extension.valuecoding.version | REAL | 1.00 |  |
| [1.1.3.1.1]code.coding.extension.valuecoding.version | VARCHAR | 1.0.0 |  |
| [1.1.4.1.1]code.coding.extension.valuecoding.version | INT | 2014 |  |
| [1.1.1]code.coding.system | VARCHAR | http://fhir.de/CodeSystem/dimdi/icd-10-gm |  |
| [1.1.1]code.coding.version | INT | 2014 |  |
| [1.1]encounter.reference | VARCHAR | Encounter/1771 |  |
| [1]id | INT | 3640 |  |
| [1.1]identifier.system | VARCHAR | https://diz.uniklinikum-dresden.de/fhir/core/NamingSystem/DiagnoseId |  |
| [1.1]identifier.value | INT | 3640 |  |
| [1.1]meta.lastupdated | VARCHAR | 2023-08-15T12:52:48.096Z |  |
| [1.1]meta.profile | VARCHAR | https://www.medizininformatik-initiative.de/fhir/core/modul-diagnose/StructureDefinition/Diagnose |  |
| [1.1]meta.source | VARCHAR | https://diz.uniklinikum-dresden.de/information-mart\_mii-kds\_v001/dwh-to-fhir\_v001/ |  |
| [1.1]meta.versionid | INT | 88009 |  |
| [1]onsetdatetime | VARCHAR | 2014-07-02T00:09:00Z |  |
| [1]recordeddate | VARCHAR | 2014-07-02T00:09:00Z |  |
| [1.1.1]subject.identifier.system | VARCHAR | https://diz.uniklinikum-dresden.de/fhir/core/NamingSystem/PatientId |  |
| [1.1.1]subject.identifier.value | INT | 627 |  |
| [1.1]subject.reference | VARCHAR | Patient/627 |  |

Table: observations.csv

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
|  | INT | 3640 |  |
| [1.1.1]category.coding.code | VARCHAR | 26436-6 |  |
| [1.2.1]category.coding.code | VARCHAR | laboratory |  |
| [1.1.1]category.coding.display | VARCHAR | Laboratory studies (set) |  |
| [1.2.1]category.coding.display | VARCHAR | Laboratory |  |
| [1.1.1]category.coding.system | VARCHAR | http://loinc.org/ |  |
| [1.2.1]category.coding.system | VARCHAR | http://terminology.hl7.org/CodeSystem/observation-category |  |
| [1.1.1]code.coding.code | VARCHAR | 86649-1 |  |
| [1.1.1]code.coding.display | VARCHAR | Birth control method at intake Reported --at intake |  |
| [1.1.1]code.coding.system | VARCHAR | http://loinc.org |  |
| [1.1]code.text | VARCHAR | pezm |  |
| [1.1.1]dataabsentreason.coding.code | VARCHAR |  |  |
| [1.1.1]dataabsentreason.coding.display | VARCHAR |  |  |
| [1.1.1]dataabsentreason.coding.system | VARCHAR |  |  |
| [1]effectivedatetime | VARCHAR | 2022-05-05T02:01:47Z |  |
| [1.1]encounter.reference | VARCHAR | Encounter/1771 |  |
| [1]id | INT | 3640 |  |
| [1.1.1.1]identifier.assigner.identifier.system | VARCHAR | https://diz.uniklinikum-dresden.de/fhir/core/NamingSystem/OrganisationId |  |
| [1.1.1.1]identifier.assigner.identifier.value | VARCHAR | UKDD |  |
| [1.1]identifier.system | VARCHAR | https://diz.uniklinikum-dresden.de/fhir/core/NamingSystem/labObservationId |  |
| [1.1.1.1]identifier.type.coding.code | VARCHAR | OBI |  |
| [1.1.1.1]identifier.type.coding.system | VARCHAR | http://terminology.hl7.org/CodeSystem/v2-0203 |  |
| [1.1]identifier.value | INT | 3640 |  |
| [1.1.1]interpretation.coding.code | VARCHAR |  |  |
| [1.1.1]interpretation.coding.display | VARCHAR |  |  |
| [1.1.1]interpretation.coding.system | VARCHAR | http://terminology.hl7.org/CodeSystem/v3-ObservationInterpretation |  |
| [1.1]meta.lastupdated | VARCHAR | 2023-08-15T12:54:15.697Z |  |
| [1.1]meta.profile | VARCHAR | https://www.medizininformatik-initiative.de/fhir/core/modul-labor/StructureDefinition/ObservationLab |  |
| [1.1]meta.source | VARCHAR | https://diz.uniklinikum-dresden.de/information-mart\_mii-kds\_v001/dwh-to-fhir\_v001/ |  |
| [1.1]meta.versionid | INT | 88483 |  |
| [1.1]note.text | VARCHAR |  |  |
| [1.1.1]referencerange.high.value | REAL | 25.0 |  |
| [1.1.1]referencerange.low.value | REAL | 14.0 |  |
| [1]status | VARCHAR | unknown |  |
| [1.1.1]subject.identifier.system | VARCHAR | https://diz.uniklinikum-dresden.de/fhir/core/NamingSystem/PatientId |  |
| [1.1.1]subject.identifier.value | INT | 627 |  |
| [1.1]subject.reference | VARCHAR | Patient/627 |  |
| [1.1]valuequantity.code | VARCHAR |  |  |
| [1.1]valuequantity.system | VARCHAR | http://unitsofmeasure.org |  |
| [1.1]valuequantity.unit | VARCHAR |  |  |
| [1.1]valuequantity.value | REAL |  |  |

Table: medications.csv

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
|  | INT | 4970 |  |
| [1.1.1]code.coding.code | VARCHAR | J01XX08 |  |
| [1.1.1]code.coding.system | VARCHAR | http://fhir.de/CodeSystem/dimdi/atc |  |
| [1]id | VARCHAR | 2018000D08AC52 |  |
| [1.1]identifier.system | VARCHAR | https://diz.uniklinikum-dresden.de/fhir/core/NamingSystem/MedicationId |  |
| [1.1]identifier.value | VARCHAR | 2018000D08AC52 |  |
| [1.1.1.1]ingredient.itemcodeableconcept.coding.code | INT | 434001 |  |
| [1.1.2.1]ingredient.itemcodeableconcept.coding.code | INT |  |  |
| [1.1.3.1]ingredient.itemcodeableconcept.coding.code | INT |  |  |
| [1.1.4.1]ingredient.itemcodeableconcept.coding.code | INT |  |  |
| [1.1.1.1]ingredient.itemcodeableconcept.coding.system | VARCHAR | http://fhir.de/CodeSystem/ask |  |
| [1.1.2.1]ingredient.itemcodeableconcept.coding.system | VARCHAR |  |  |
| [1.1.3.1]ingredient.itemcodeableconcept.coding.system | VARCHAR |  |  |
| [1.1.4.1]ingredient.itemcodeableconcept.coding.system | VARCHAR |  |  |
| [1.1]meta.lastupdated | VARCHAR | 2023-08-15T12:51:45.593Z |  |
| [1.1]meta.profile | VARCHAR | https://www.medizininformatik-initiative.de/fhir/core/modul-medikation/StructureDefinition/Medication |  |
| [1.1]meta.source | VARCHAR | https://diz.uniklinikum-dresden.de/information-mart\_mii-kds\_v001/dwh-to-fhir\_v001/ |  |
| [1.1]meta.versionid | INT | 85409 |  |

Table: medicationadministrations.csv

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
|  | INT | 3640 |  |
| [1.1.1]context.identifier.system | VARCHAR | https://diz.uniklinikum-dresden.de/fhir/core/NamingSystem/Encounter/EinrichtungskontaktId |  |
| [1.1.1]context.identifier.value | INT | 1 |  |
| [1.1]context.reference | VARCHAR | Encounter/748 |  |
| [1.1.1]dosage.dose.system | VARCHAR | http://unitsofmeasure.org/ |  |
| [1.1.1]dosage.dose.unit | VARCHAR | mg |  |
| [1.1.1]dosage.dose.value | REAL | 1.0 |  |
| [1.1.1.1]dosage.rateratio.denominator.code | VARCHAR | h |  |
| [1.1.1.1]dosage.rateratio.denominator.system | VARCHAR | http://unitsofmeasure.org/ |  |
| [1.1.1.1]dosage.rateratio.denominator.unit | VARCHAR | hour |  |
| [1.1.1.1]dosage.rateratio.denominator.value | REAL | 1.0 |  |
| [1.1.1.1]dosage.rateratio.numerator.system | VARCHAR | http://unitsofmeasure.org/ |  |
| [1.1.1.1]dosage.rateratio.numerator.unit | VARCHAR |  |  |
| [1.1.1.1]dosage.rateratio.numerator.value | REAL |  |  |
| [1]effectivedatetime | VARCHAR |  |  |
| [1.1]effectiveperiod.end | VARCHAR |  |  |
| [1.1]effectiveperiod.start | VARCHAR |  |  |
| [1]id | INT | 3640 |  |
| [1.1]identifier.system | VARCHAR | https://diz.uniklinikum-dresden.de/fhir/core/NamingSystem/MedicationAdministrationId |  |
| [1.1]identifier.value | INT | 3640 |  |
| [1.1]medicationreference.reference | VARCHAR | Medication/2016000D07AB03 |  |
| [1.1]meta.lastupdated | VARCHAR | 2023-08-15T12:52:21.021Z |  |
| [1.1]meta.profile | VARCHAR | https://www.medizininformatik-initiative.de/fhir/core/modul-medikation/StructureDefinition/MedicationAdministration |  |
| [1.1]meta.source | VARCHAR | https://diz.uniklinikum-dresden.de/information-mart\_mii-kds\_v001/dwh-to-fhir\_v001/ |  |
| [1.1]meta.versionid | INT | 87151 |  |
| [1]status | VARCHAR | unknown |  |
| [1.1.1]subject.identifier.system | VARCHAR | https://diz.uniklinikum-dresden.de/fhir/core/NamingSystem/PatientId |  |
| [1.1.1]subject.identifier.value | INT | 627 |  |
| [1.1]subject.reference | VARCHAR | Patient/627 |  |