OMOP CDM V5 to PCORNet CDMV3 – Schilling

March 2, 2016

Fields of concern in mapping from OMOP to PCORNet CDM include:

* **Encounter** table: Discharge status (where, but also includes expired) and discharge disposition (alive, expired)
* **Encounter** table: Admitting\_Source

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| DISCHARGE\_DISPOSITION | A=Discharged alive  E=Expired  NI=No information  UN=Unknown  OT=Other | Vital status at discharge. Should be populated for Inpatient Hospital Stay (IP) and Non-Acute Institutional Stay (IS) encounter types. May be populated for Emergency Department (ED) and ED-to-Inpatient (EI) encounter types. Should be missing for ambulatory visit (AV or OA) encounter types. (Additional guidance added in v3.0 for the EI encounter type.) |
| * I didn’t find any conversation regarding Discharge Disposition on the OHDSI Forum * OMOP Death and Visit\_Occ information could be linked by death\_date, or potentially the Fact\_Relationship table, but this would only capture “deaths” and not the “discharged alive” fact. * Discharge\_disposition could be capture in the Observation table. There is likely to be an Observation\_Type of Discharge\_Disposition (and Discharge\_Status), and Observation concept\_ID that capture the pre-defined PCORNet Value Set. The Observation table can be linked directly to the Visit\_Occ table | | |

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| DISCHARGE\_STATUS | AF=Adult Foster Home  AL=Assisted Living Facility  AM=Against Medical Advice  AW=Absent without leave  EX=Expired  HH=Home Health  HO=Home / Self Care  HS=Hospice  IP=Other Acute Inpatient Hospital  NH=Nursing Home (Includes ICF)  RH=Rehabilitation Facility  RS=Residential Facility  SH=Still In Hospital  SN=Skilled Nursing Facility  NI=No information  UN=Unknown  OT=Other | Discharge status. Should be populated for Inpatient Hospital Stay (IP) and Non-Acute Institutional Stay (IS) encounter types. May be populated for Emergency Department (ED) and ED-to-Inpatient (EI) encounter types. Should be missing for ambulatory visit (AV or OA) encounter types. (Additional guidance added in v3.0 for the EI encounter type.) |
| * Request for Discharge Status to accommodate this information from claims data – there are concept-IDs for this, and from the thread this would appear to go in the Observation table * See above for discussion | | |

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| ADMITTING\_SOURCE | AF=Adult Foster Home  AL=Assisted Living Facility  AV=Ambulatory Visit  ED=Emergency Department  HH=Home Health  HO=Home / Self Care  HS=Hospice  IP=Other Acute Inpatient Hospital  NH=Nursing Home (Includes ICF)  RH=Rehabilitation Facility  RS=Residential Facility  SN=Skilled Nursing Facility  NI=No information UN=Unknown  OT=Other | Admitting source. Should be populated for Inpatient Hospital Stay (IP) and Non-Acute Institutional Stay (IS) encounter types. May be populated for Emergency Department (ED) and ED-to-Inpatient (EI) encounter types. Should be missing for ambulatory visit (AV or OA) encounter types. (Additional guidance added in v3.0 for the EI encounter type.) |
| * OHDSI Forum- Rimma & Christian’s discourse re: fact\_relationship proposal - <http://forums.ohdsi.org/t/fact-relationship-proposal-for-new-conventions/485>. Note: the use case Rimma describes is an example of our admitting-source problem but limited to ER and Outpt visits resulting in Inpt admissions.   + Explicitly link visits. Our use cases are Emergency Room or Outpatient visits resulting in Inpatient admissions.  We propose to use the following relationship concepts: 'Occurs before' (44818881) or 'Occurs after' (44818783). Please note we considered and decided against combining any of these visits into one. (To be clear-may EHRs record an ED visit followed by an Inpt visit as a single encounter-so to satisfy PCORNet it was desired that these be separated)   + Christian suggested using the dates to infer associations, Rimma pushed back that transfer dates are often not accurate. That appeared to be the end of the Forum discussion. And not addressed by the use of dates would be facts like ‘admitting\_source”=home, where a Visit\_Occ does NOT exist. * Bottom Line: “Admitting\_source” –makes sense as a discrete data field in the Visit\_Occ table, as there are not always two Visit\_Occ event to link either because one does not exist (as when the pt is admitted from home) or the data does not exist from the source (as when the pt is admitted from a SNF). Admitting\_source could potentially be an Observation about the admission—we’d need to check if there was an Obs\_Type for “source of admission”, and then Concept\_ID for the pre-defined value sets could be used, and the records linked via the visit\_occurrence-id in the Obs table. | | |