CDM v4.0 Ontology and Transform update summary for ARCH.

Ontology changes: The following tables required changes to their respective ontology tables. These changes include support for new fields, as well as changes to existing fields. For a full description of the new or altered fields, refer to the PCORNet CDM v4.0 spec pdf.

**Demographic**: preferred\_language added.

**Encounter**: admitting\_source had 1 new value added, and payer\_type and facility\_type were added.

**Diagnosis**: dx\_origin had 1 new value and 1 changed value, pdx had 1 changed value, and dx\_poa was added.

**Procedure**: px\_source had 1 value added and 1 value changed, and ppx was added.

**Dispensing**: dispense\_dose\_disp and dispense\_route were added.

**Prescribing**: dose\_form, prn\_flag, and rx\_dispense\_as\_written were added.

Transform changes: Many new fields were added in v4.0, and some fields were altered. The ARCH transform DDL was updated for the following fields. Note 4 new tables: OBS\_CLIN, OBS\_GEN, PROVIDER, and MED\_ADMIN.

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| **DEMOGRAPHIC** |
| PAT\_PREF\_LANGUAGE\_SPOKEN |
| RAW\_PAT\_PREF\_LANGUAGE\_SPOKEN |

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| **PRO\_CM** |
| PRO\_TYPE |
| PRO\_ITEM\_LOINC |
| PRO\_RESPONSE\_TEXT |
| PRO\_ITEM\_NAME |
| PRO\_ITEM\_VERSION |
| PRO\_MEASURE\_NAME |
| PRO\_MEASURE\_SEQ |
| PRO\_MEASURE\_SCORE |
| PRO\_MEASURE\_THETA |
| PRO\_MEASURE\_SCALED\_TSCORE |
| PRO\_MEASURE\_STANDARD\_ERROR |
| PRO\_MEASURE\_COUNT\_SCORED |
| PRO\_ITEM\_FULLNAME |
| PRO\_ITEM\_TEXT |
| PRO\_MEASURE\_FULLNAME |
| PRO\_MEASURE\_VERSION |
| PRO\_MEASURE\_LOINC |

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| **ENCOUNTER** |
| PAYER\_TYPE\_PRIMARY |
| PAYER\_TYPE\_SECONDARY |
| FACILITY\_TYPE |
| RAW\_FACILITY\_TYPE |
| RAW\_PAYER\_TYPE\_PRIMARY |
| RAW\_PAYER\_NAME\_PRIMARY |
| RAW\_PAYER\_ID\_PRIMARY |
| RAW\_PAYER\_TYPE\_SECONDARY |
| RAW\_PAYER\_NAME\_SECONDARY |
| RAW\_PAYER\_ID\_SECONDARY |
| **LAB\_RESULT\_CM** |
| RESULT\_SNOMED |

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| **PRESCRIBING** |
| RX\_DOSE\_ORDERED |
| RX\_DOSE\_ORDERED\_UNIT |
| RX\_ROUTE |
| RX\_SOURCE |
| RX\_DISPENSE\_AS\_WRITTEN |
| RX\_PRN\_FLAG |
| RAW\_RX\_DOSE\_ORDERED |
| RAW\_RX\_DOSE\_ORDERED\_UNIT |
| RAW\_RX\_ROUTE |
| RAW\_RX\_REFILLS |
| RX\_DOSE\_FORM |

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| **DIAGNOSIS** |
| DX\_POA |
| RAW\_DX\_POA |

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| **OBS\_CLIN** |
| OSBCLINID |
| PATID |
| ENCOUNTERID |
| OBSCLIN\_PROVIDERID |
| OBSCLIN\_DATE |
| OBSCLIN\_TIME |
| OBSCLIN\_LOINC |
| OBSCLIN\_RESULT\_QUAL |
| OBSLCIN\_RESULT\_NUM |
| OBSCLIN\_RESULT\_MODIFIER |
| OBSCLIN\_RESULT\_UNIT |
| OBSCLIN\_RESULT\_SNOMED |

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| **DISPENSING** |
| DISPENSE\_DOSE\_DISP |
| DISPENSE\_DOSE\_DISP\_UNIT |
| DISPENSE\_ROUTE |
| RAW\_DISPENSE\_DOSE\_DISP |
| RAW\_DISPENSE\_DOSE\_DISP\_UNIT |
| RAW\_DISPENSE\_ROUTE |

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| **PROCEDURES** |
| PPX |
| RAW\_PPX |

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| **PROVIDER** |
| PROVIDERID |
| PROVIDER\_SEX |
| PROVIDER\_SPECIALTY\_PRIMARY |
| PROVIDER\_NPI |
| PROVIDEE\_NPI\_FLAG |

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| **OBS\_GEN** |
| OBSGENID |
| PATID |
| ENCOUNTERID |
| OBSGEN\_PROVIDERID |
| OBSGEN\_DATE |
| OBSGEN\_TIME |
| OBSGEN\_TYPE |
| OBSGEN\_CODE |
| OBSGEN\_RESULT\_QUAL |
| OBSGEN\_RESULT\_NUM |
| OBSGEN\_RESULT\_MODIFIER |
| OBSGEN\_RESULT\_UNIT |
| OBSGEN\_TABLE\_MODIFIED |
| OBSGEN\_ID\_MODIFIED |

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| **MED\_ADMIN** |
| MEDADMINID |
| PATID |
| MEDADMIN\_START\_DATE |
| ENCOUNTERID |
| MEDADMIN\_START\_TIME |
| MEDADMIN\_STOP\_DATE |
| MEDADMIN\_STOP\_TIME |
| PRESCRIBINGID |
| MEDADMIN\_PROVIDERID |
| MEDADMIN\_TYPE |
| MEDADMIN\_CODE |
| MEDADMIN\_DOSE\_ADMIN |
| MEDADMIN\_DOSE\_ADMIN\_UNIT |
| MEDADMIN\_ROUTE |
| MEDADMIN\_SOURCE |