

PCORnet Data Checks v5

Category	Type	Check	Description	Changes from v4
Data Model Conformance	Required	DC 1.01	Required tables are not present	Added MED_ADMIN, OBS_CLIN, OBS_GEN, and PROVIDER
	Required	DC 1.02	Expected tables are not populated	None
	Required	DC 1.03	Required fields are not present	Added RAW fields and new fields
	Required	DC 1.04	Fields do not conform to data model specifications for data type, length, or name.	Added new fields
	Required	DC 1.05	Tables have primary key definition errors	Added MED_ADMIN, OBS_CLIN, and PROVIDER
	Required	DC 1.06	Fields contain values outside of data model specifications	Added new fields
	Required	DC 1.07	Fields have non-permissible missing values	Added new fields and removed DIAGNOSIS.ENCOUNTERID and PROCEDURES.ENCOUNTERID
	Required	DC 1.08	Tables contain orphan PATIDs	Added MED_ADMIN and OBS_CLIN
	Required	DC 1.09	Tables contain orphan ENCOUNTERIDs	Reclassified from Investigative to Required; changed from a 5% to a 0% threshold; added MED_ADMIN and OBS_CLIN
	Required	DC 1.10	Replication errors between the ENCOUNTER, PROCEDURES and DIAGNOSIS tables	None
	Required	DC 1.11	More than 5% of encounters are assigned to more than one patient	Reclassified from Investigative to Required
	Required	DC 1.12	Tables contain orphan PROVIDERIDs	New
Data Plausibility	Investigative	DC 2.01	More than 5% of records have future dates	Added new fields
	Investigative	DC 2.02	More than 10% of records fall into the lowest or highest categories of age, height, weight, diastolic blood pressure, systolic blood pressure, or dispensed days supply	None
	Investigative	DC 2.03	More than 5% of patients have illogical date relationships	Added new fields
	Investigative	DC 2.04	The average number of encounters per visit is > 2.0 for inpatient (IP), emergency department (ED), or ED to inpatient (EI) encounters	None
	Investigative	DC 2.05	More than 5% of results for selected laboratory tests do not have the appropriate specimen source	Added new value set
	Investigative	DC 2.06	Median lab result values for selected tests are statistical outliers	New
	Investigative	DC 2.07	The average number of principal diagnoses per encounter is above threshold [2.0 for inpatient (IP) and ED to inpatient (EI)]	New
Data Completeness	Investigative	DC 3.01	The average number of diagnoses records with known diagnosis types per encounter is below threshold [1.0 for ambulatory (AV), inpatient (IP), emergency department (ED), or ED to inpatient (EI) encounters]	None
	Investigative	DC 3.02	The average number of procedure records with known procedure types per encounter is below threshold [0.75 for ambulatory (AV) encounters, 0.75 for emergency department (ED) encounters, 1.00 for ED to inpatient (EI) encounters, and 1.00 for inpatient (IP) encounters]	None
	Investigative	DC 3.03	More than 10% of records have missing or unknown values for the following fields: BIRTH_DATE, SEX, DISCHARGE_DISPOSITION (IP/EI encounters only), DISCHARGE_DATE (IP/EI encounters only), PX_DATE, RX_ORDER_DATE, DISPENSE_SUP, DX_ORIGIN, PX_SOURCE, VITAL_SOURCE, DEATH_SOURCE, CONDITION_SOURCE, RX_SOURCE, MEDADMIN_SOURCE, DIAGNOSIS.ENCOUNTERID, or PROCEDURES.ENCOUNTERID	Added new fields
	Required	DC 3.04	Less than 50% of patients with encounters have DIAGNOSIS records	None
	Required	DC 3.05	Less than 50% of patients with encounters have PROCEDURES records	None
	Investigative	DC 3.06	More than 10% of IP (inpatient) or ED to inpatient (EI) encounters with any diagnosis don't have a principal diagnosis	None
	Investigative	DC 3.07	Encounters, diagnoses, or procedures in an ambulatory (AV), emergency department (ED), ED to inpatient (EI), or inpatient (IP) setting are less than 75% complete three months prior to the current month	None
	Investigative	DC 3.08	Less than 80% of prescribing orders are mapped to a RXNORM_CUI which fully specifies the ingredient, strength and dose form	None
	Investigative	DC 3.09	Less than 80% of laboratory results are mapped to LAB_LOINC	None
	Investigative	DC 3.10	Less than 80% of quantitative results for tests mapped to LAB_LOINC fully specify the normal range	None
	Investigative	DC 3.11	Vital, prescribing, or laboratory records are less than 75% complete three months prior to the current month	None
	Investigative	DC 3.12	Less than 80% of quantitative results for tests mapped to LAB_LOINC fully specify the SPECIMEN_SOURCE and RESULT_UNIT	New