

PCORnet Data Checks v3

Category	Type	Check	Description	Changes from v2
Data Model Conformance	Required	DC 1.01	Required tables are not present	None
	Required	DC 1.02	Expected tables are not populated	None
	Required	DC 1.03	Required fields are not present	None
	Required	DC 1.04	Fields do not conform to data model specifications for data type, length, or name.	None
	Required	DC 1.05	Tables have primary key definition errors	Added PRO_CM, CONDITION, DEATH_CAUSE, and PCORNET_TRIAL
	Required	DC 1.06	Fields contain values outside of data model specifications	Added PRO_CM, CONDITION, and DEATH_CAUSE
	Required	DC 1.07	Fields have non-permissible missing values	Added PRO_CM, CONDITION, and DEATH_CAUSE
	Required	DC 1.08	Tables contain orphan PATIDs	Added PRO_CM, CONDITION, DEATH_CAUSE and PCORNET_TRIAL
	Investigative	DC 1.09	Tables have orphan ENCOUNTERIDs for more than 5% of records.	Added CONDITION
	Required	DC 1.10	Replication errors between the ENCOUNTER, PROCEDURES and DIAGNOSIS tables	Eliminated PROVIDERID matching
	Investigative	DC 1.11	More than 5% of encounters are assigned to more than one patient.	New
Data Plausibility	Investigative	DC 2.01	More than 5% of records have future dates	Added PRO_CM and CONDIITON. Removed ENR_END_DATE.
	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, prescribed days supply, or dispensed days supply	None
	Investigative	DC 2.03	More than 5% of patients have illogical date relationships	None
	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.	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 or DISPENSE_SUP	Removed RX_DAYS_SUPPLY (highly missing/not remediable), RXNORM_CUI (see 3.08) and LAB_LOINC (see 3.09 and 3.10)
	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 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.	New
	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.	New
	Investigative	DC 3.09	Less than 80% of laboratory results are mapped to LAB_NAME or LAB_LOINC.	New
	Investigative	DC 3.10	Less than 80% of quantitative results for tests mapped to LAB_NAME or LAB_LOINC fully specify the normal range.	New