Work Plan: Data Characterization Query Package V3.00

TABLE OF CONTENTS

I. Purpose and Scope

The purpose of this document is to describe PCORnet's Data Characterization Query Package V3.00. This query package consists of 77 queries against the following PCORnet Common Data Model (CDM) V3.00 tables: DEMOGRAPHIC, ENROLLMENT, ENCOUNTER, DIAGNOSIS, PROCEDURES, VITAL, and HARVEST. Output tables will be produced by running SAS programs against local DataMarts in PCORnet Common Data Model V3.00 with SAS data types. Table shells (section V) are for illustrative purposes only, and individual DataMart output may differ.

II. Prerequisites

DataMart Administrators should run the CDM Diagnostic Query V3.00 prior to running this query to ensure conformance to the PCORnet Common Data Model (CDM) V3.0 SAS table structure, variable names, and data types, and to verify that the DEMOGRAPHIC, ENROLLMENT, ENCOUNTER, DIAGNOSIS, PROCEDURES, VITAL, and HARVEST tables are present and populated.

III. Low Cell Count Threshold

Users may establish a low cell count threshold which establishes the minimum number of observations required to protect against possible identification of subject data. The default value is zero (0). Any cell count that is below the threshold will be displayed as BT (below threshold). For categorical queries, the number that is suppressed will be added to the "NULL or missing" category to prevent imputation of the suppressed cell count if only one category falls below the threshold. For cross-tab queries, suppressed numbers will be added to the category in which both variables are equal to "NULL or missing". Examples of both scenarios are shown below. The low cell count threshold is applied to most queries, as shown in Section IV.

RACE	RECORD_N WITH THRESHOLD=0	RECORD_N WITH THRESHOLD=11
N	100	100
R	9	BT
Y	325	325
NI	400	400
UN	50	50
OT	75	75
NULL or missing	80	89
Values outside of CDM specifications	5	5

DX_TYPE	DX_SOURCE	RECORD_N WITH THRESHOLD=0	RECORD_N WITH THRESHOLD=11
09	AD	150	150
09	DI	10	BT
09	FI	92	92
09	IN	36	36
09	NI	9	BT
09	UN	27	27
09	OT	78	78
09	NULL or missing	30	30
09	Values outside of CDM specifications	5	5
NULL or missing	NULL or missing	0	19

IV. Output Tables

PCORnet Table(s)	Output Table	Output Table Description	Optional low cell count suppression?
DEMOGRAPHIC	dem_l3_n	Count PATID	No
DEMOGRAPHIC	dem_l3_ageyrsdist1	Descriptive statistics for age	No
DEMOGRAPHIC	dem_l3_ageyrsdist2	Age group frequency	Yes
DEMOGRAPHIC	dem_l3_hispdist	HISPANIC frequency	Yes
DEMOGRAPHIC	dem_l3_racedist	RACE frequency	Yes
DEMOGRAPHIC	dem_l3_sexdist	SEX frequency	Yes
ENCOUNTER	enc_l3_n	Counts PATID, ENCOUNTERID, and PROVIDERID	No
ENCOUNTER	enc_l3_n_visit	Counts distinct ADMIT_DT, PATID, ENCOUNTERID, ENC_TYPE	No
ENCOUNTER	enc_l3_admsrc	ADMITTING_SOURCE frequency	Yes
ENCOUNTER	enc_l3_enctype_admsrc	ENC_TYPE by ADMITTING_SOURCE crosstab	Yes
ENCOUNTER	enc_l3_adate_y	ADMIT_DATE year frequency	Yes
ENCOUNTER	enc_l3_adate_ym	ADMIT_DATE year month frequency	Yes
ENCOUNTER	enc_l3_enctype_adate_ym	ENC_TYPE and ADMIT_DATE year month crosstab	Yes
ENCOUNTER	enc_l3_ddate_y	DISCHARGE_DATE year frequency	Yes
ENCOUNTER	enc_l3_ddate_ym	DISCHARGE_DATE year month frequency	Yes
ENCOUNTER	enc_l3_enctype_ddate_ym	ENC_TYPE and DISCHARGE_DATE year month crosstab	Yes
ENCOUNTER	enc_l3_disdisp	DISCHARGE_DISPOSITION frequency	Yes
ENCOUNTER	enc_l3_enctype_disdisp	ENC_TYPE and DISCHARGE_DISPOSITION crosstab	Yes
ENCOUNTER	enc_l3_disstat	DISCHARGE_STATUS frequency	Yes
ENCOUNTER	enc_l3_enctype_disstat	ENCOUNTER_TYPE and DISCHARGE_STATUS crosstab	Yes
ENCOUNTER	enc_l3_drg	DRG frequency	Yes
ENCOUNTER	enc_l3_drg_type	DRG_type frequency	Yes
ENCOUNTER	enc_l3_enctype_drg	ENC_TYPE and DRG_TYPE crosstab	Yes
ENCOUNTER	enc_l3_enctype	ENC_TYPE frequency	Yes

PCORnet Table(s)	Output Table	Output Table Description	Optional low cell count suppression?
ENCOUNTER	enc_l3_dash1	Patients with encounters in the past 1, 2, 3, 4, or 5 years since the earliest ADMIT_DATE	Yes
ENCOUNTER	enc_l3_dash2	Patients with IP, ED, EI, or AV encounters in the past 1, 2, 3, 4, or 5 years since the earliest ADMIT_DATE	Yes
DIAGNOSIS	dia_l3_n	Counts PATID, ENCOUNTERID, and DIAGNOSISID	No
DIAGNOSIS	dia_l3_dx	DX frequency	Yes
DIAGNOSIS	dia_l3_dx_dxtype	DX and DX_TYPE crosstab	Yes
DIAGNOSIS	dia_l3_dxsource	DX_SOURCE frequency	Yes
DIAGNOSIS	dia_l3_dxtype_dxsource	DX_TYPE and DX_SOURCE crosstab	Yes
DIAGNOSIS	dia_l3_PDX	PDX frequency	Yes
DIAGNOSIS	dia_l3_PDX_enctype	PDX and ENC_TYPE crosstab	Yes
DIAGNOSIS	dia_l3_adate_y	ADMIT_DATE year frequency	Yes
DIAGNOSIS	dia_l3_adate_ym	ADMIT_DATE year month frequency	Yes
DIAGNOSIS	dia_l3_enctype	ENC_TYPE frequency	Yes
DIAGNOSIS	dia_l3_dxtype_enctype	DX_TYPE and ENC_TYPE crosstab	Yes
DIAGNOSIS	dia_l3_enctype_adate_ym	ENC_TYPE and ADMIT_DATE year month crosstab	Yes
DIAGNOSIS	dia_l3_dash1	Patients with diagnoses in the past 1, 2, 3, 4, or 5 years or since the earliest ADMIT_DATE.	Yes
PROCEDURES	pro_l3_n	Counts PATID, ENCOUNTERID, and PROCEDURESID	No
PROCEDURES	pro_l3_px	PX frequency	Yes
PROCEDURES	pro_l3_adate_y	ADMIT_DATE year frequency	Yes
PROCEDURES	pro_l3_adate_ym	ADMIT_DATE year month frequency	Yes
PROCEDURES	pro_l3_pxdate_y	PX_DATE year frequency	Yes
PROCEDURES	pro_l3_px_enctype	PX by ENC_TYPE crosstab	Yes
PROCEDURES	pro_l3_enctype	ENC_TYPE crosstab	Yes
PROCEDURES	pro_l3_pxtype_enctype	PX_TYPE and ENC_TYPE crosstab	Yes
PROCEDURES	pro_l3_enctype_adate_ym	ENC_TYPE and ADMIT_DATE year month crosstab	Yes
PROCEDURES	pro_l3_px_pxtype	PX and PX_TYPE crosstab	Yes
PROCEDURES	pro_l3_pxsource	PX_SOURCE frequency	Yes
ENROLLMENT	enr_l3_n	Counts PATID, ENR_START_DATE, and ENROLLMENTID (combination of PATID, ENR_START_DATE, and ENR_BASIS)	No
ENROLLMENT	enr_l3_dist_start	Descriptive statistics for distinct ENR_START_DATE	No
ENROLLMENT	enr_l3_dist_end	Descriptive statistics for distinct ENR_END_DATE	No
ENROLLMENT	enr_l3_dist_enrmonth	Frequency of distinct number of enrollment months	Yes
ENROLLMENT	enr_l3_dist_enryear	Frequency of distinct number of enrollment years	Yes
ENROLLMENT	enr_l3_enr_ym	Frequency by ENR_START_DATE	Yes
ENROLLMENT	enr_l3_basisdist	Frequency by ENR_BASIS	Yes
ENROLLMENT	enr_l3_per_patid	Descriptive statistics for number of enrollment periods per PATID	No
VITAL	vit_l3_n	Counts PATID, ENCOUNTERID, and VITALID	No
VITAL	vit_l3_mdate_y	MEASURE_DATE year frequency	Yes
VITAL	vit_l3_mdate_ym	MEASURE_DATE year month frequency	Yes
VITAL	vit_l3_vital_source	VITAL_SOURCE frequency	Yes

PCORnet Table(s)	Output Table	Output Table Description	Optional low cell count suppression?
VITAL	vit_l3_HT	HT frequency	Yes
VITAL	vit_l3_ht_dist	Descriptive statistics for HT	No
VITAL	vit_l3_WT	WT frequency	Yes
VITAL	vit_l3_wt_dist	Descriptive statistics for WT	No
VITAL	vit_l3_Diastolic	DIASTOLIC frequency	Yes
VITAL	vit_l3_Systolic	SYSTOLIC frequency	Yes
VITAL	vit_l3_BMI	BMI frequency	Yes
VITAL	vit_l3_BP_position_type	BP POSITION_TYPE frequency	Yes
VITAL	vit_l3_smoking	SMOKING frequency	Yes
VITAL	vit_l3_tobacco	TOBACCO frequency	Yes
VITAL	vit_l3_tobacco_type	TOBACCO_TYPE frequency	Yes
VITAL	vit_l3_dash1	Patients with vital records in the past 1, 2, 3, 4 or 5 years since the earliest MEASURE_DATE.	Yes
ENCOUNTER, DIAGNOSIS, PROCEDURES, VITAL, ENROLLMENT	xtbl_l3_range_ym	Min and max year month for ENCOUNTER.ADMIT_DATE , DIAGNOSIS.ADMIT_DATE, PROCEDURES.ADMIT_DATE, MEASURE_DATE, ENR_START_DATE, and ENR_END_DATE	No
HARVEST	xtbl_l3_metadata	HARVEST table information, query package, response date, low cell count thresholds, operating system, and SAS version and packages	No
DIAGNOSIS, ENCOUNTER	xtbl_l3_dash1	Patients with at least 1 DX and 1 vital MEASURE_DATE in past 1, 2, 3, 4 or 5 years since the earliest diagnosis ADMIT_DATE.	Yes

V. Demographic Table Shells

dem_l3_n

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	DATASET	TAG	ALL_N	DISTINCT_N	NULL_N
D1TEST	28OCT2015	DC V3.00	DEMOGRAPHIC	PATID			

dem_l3_ageyrsdist1

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	STAT	RECORD_N
D1TEST	28OCT2015	DC V3.00	MIN	
D1TEST	28OCT2015	DC V3.00	MEAN	
D1TEST	28OCT2015	DC V3.00	MEDIAN	
D1TEST	28OCT2015	DC V3.00	MAX	
D1TEST	28OCT2015	DC V3.00	N	
D1TEST	28OCT2015	DC V3.00	NULL or missing	

dem_l3_ageyrsdist2

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	AGE_GROUP	RECORD_N	RECORD_PCT
D1TEST	28OCT2015	DC V3.00	<0 yrs		
D1TEST	28OCT2015	DC V3.00	0-1 yrs		
D1TEST	28OCT2015	DC V3.00	2-4 yrs		
D1TEST	28OCT2015	DC V3.00	5-9 yrs		
D1TEST	28OCT2015	DC V3.00	10-14 yrs		
D1TEST	28OCT2015	DC V3.00	15-18 yrs		
D1TEST	28OCT2015	DC V3.00	19-21 yrs		
D1TEST	28OCT2015	DC V3.00	22-44 yrs		
D1TEST	28OCT2015	DC V3.00	45-64 yrs		
D1TEST	28OCT2015	DC V3.00	65-74 yrs		
D1TEST	28OCT2015	DC V3.00	75-110 yrs		
D1TEST	28OCT2015	DC V3.00	>110 yrs		
D1TEST	28OCT2015	DC V3.00	NULL or missing		

dem_l3_hispdist

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	HISPANIC	RECORD_N	RECORD_PCT
D1TEST	28OCT2015	DC V3.00	N		
D1TEST	28OCT2015	DC V3.00	R		
D1TEST	28OCT2015	DC V3.00	Y		
D1TEST	28OCT2015	DC V3.00	NI		
D1TEST	28OCT2015	DC V3.00	UN		
D1TEST	28OCT2015	DC V3.00	OT		
D1TEST	28OCT2015	DC V3.00	NULL or missing		
D1TEST	28OCT2015	DC V3.00	Values outside of CDM specifications		

dem_l3_racedist

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	RACE	RECORD_N	RECORD_PCT
D1TEST	28OCT2015	DC V3.00	01		
D1TEST	28OCT2015	DC V3.00	02		
D1TEST	28OCT2015	DC V3.00	03		
D1TEST	28OCT2015	DC V3.00	04		
D1TEST	28OCT2015	DC V3.00	05		
D1TEST	28OCT2015	DC V3.00	06		
D1TEST	28OCT2015	DC V3.00	07		
D1TEST	28OCT2015	DC V3.00	NI		
D1TEST	28OCT2015	DC V3.00	UN		
D1TEST	28OCT2015	DC V3.00	OT		
D1TEST	28OCT2015	DC V3.00	NULL or missing		
D1TEST	28OCT2015	DC V3.00	Values outside of CDM specifications		

dem_l3_sexdist

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	SEX	RECORD_N	RECORD_PCT
D1TEST	28OCT2015	DC V3.00	A		
D1TEST	28OCT2015	DC V3.00	F		
D1TEST	28OCT2015	DC V3.00	M		
D1TEST	28OCT2015	DC V3.00	NI		
D1TEST	28OCT2015	DC V3.00	UN		
D1TEST	28OCT2015	DC V3.00	OT		
D1TEST	28OCT2015	DC V3.00	NULL or missing		
D1TEST	28OCT2015	DC V3.00	Values outside of CDM specifications		

VI. Encounter Table Shells

enc_l3_n

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	DATASET	TAG	ALL_N	DISTINCT_N	NULL_N
D1TEST	28OCT2015	DC V3.00	ENCOUNTER	ENCOUNTERID			
D1TEST	28OCT2015	DC V3.00	ENCOUNTER	PATID			
D1TEST	28OCT2015	DC V3.00	ENCOUNTER	PROVIDERID			

enc_l3_n_visit (This query counts visits, which are a concatenation of PATID + PROVIDER_ID + ENC_TYPE + ADMIT_DT. ALL_N counts all records with non-missing values for all 4 fields).

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	DATASET	TAG	ALL_N	DISTINCT_N
D1TEST	28OCT2015	DC V3.00	ENCOUNTER	visit		

enc_l3_admsrc

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	ADMITTING_SOURCE	RECORD_N	RECORD_PCT
D1TEST	28OCT2015	DC V3.00	AF		
D1TEST	28OCT2015	DC V3.00	AL		
D1TEST	28OCT2015	DC V3.00	AV		
D1TEST	28OCT2015	DC V3.00	ED		
D1TEST	28OCT2015	DC V3.00	HH		
D1TEST	28OCT2015	DC V3.00	HO		
D1TEST	28OCT2015	DC V3.00	HS		
D1TEST	28OCT2015	DC V3.00	IP		
D1TEST	28OCT2015	DC V3.00	NH		
D1TEST	28OCT2015	DC V3.00	RH		
D1TEST	28OCT2015	DC V3.00	RS		
D1TEST	28OCT2015	DC V3.00	SN		
D1TEST	28OCT2015	DC V3.00	NI		
D1TEST	28OCT2015	DC V3.00	UN		
D1TEST	28OCT2015	DC V3.00	OT		
D1TEST	28OCT2015	DC V3.00	NULL or missing		
D1TEST	28OCT2015	DC V3.00	Values outside of CDM specifications		

enc_l3_enctype_admsrc

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	ENCTYPE	ADMITTING_SOURCE	RECORD_N	RECORD_PCT
D1TEST	28OCT2015	DC V3.00	AV	AF		
D1TEST	28OCT2015	DC V3.00	AV	AL		
D1TEST	28OCT2015	DC V3.00	AV	AV		
D1TEST	28OCT2015	DC V3.00	AV	ED		
D1TEST	28OCT2015	DC V3.00	AV	HH		
D1TEST	28OCT2015	DC V3.00	AV	HO		
D1TEST	28OCT2015	DC V3.00	AV	HS		
D1TEST	28OCT2015	DC V3.00	AV	IP		
D1TEST	28OCT2015	DC V3.00	AV	NH		
D1TEST	28OCT2015	DC V3.00	AV	RH		
D1TEST	28OCT2015	DC V3.00	AV	RS		
D1TEST	28OCT2015	DC V3.00	AV	SN		
D1TEST	28OCT2015	DC V3.00	AV	NI		
D1TEST	28OCT2015	DC V3.00	AV	UN		
D1TEST	28OCT2015	DC V3.00	AV	OT		
D1TEST	28OCT2015	DC V3.00	AV	NULL or missing		
D1TEST	28OCT2015	DC V3.00	AV	Values outside of CDM specifications		

enc_l3_adate_y

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	ADMIT_DATE	RECORD_N	RECORD_PCT	DISTINCT_PATID_N
D1TEST	28OCT2015	DC V3.00	2015			
D1TEST	28OCT2015	DC V3.00	NULL or missing			

enc_l3_adate_ym

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	ADMIT_DATE	RECORD_N
D1TEST	28OCT2015	DC V3.00	2015_07	
D1TEST	28OCT2015	DC V3.00	2015_08	
D1TEST	28OCT2015	DC V3.00	NULL or missing	

enc_l3_enctype_adate_ym

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	ENCTYPE	ADMIT_DATE	RECORD_N
D1TEST	28OCT2015	DC V3.00	AV	2015_07	
D1TEST	28OCT2015	DC V3.00	AV	2015_08	
D1TEST	28OCT2015	DC V3.00	AV	NULL or missing	

enc_l3_ddate_y

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	DISCHARGE_DATE	RECORD_N	RECORD_PCT
D1TEST	28OCT2015	DC V3.00	2015		
D1TEST	28OCT2015	DC V3.00	NULL or missing		

enc_l3_ddate_ym

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	DISCHARGE_DATE	RECORD_N
D1TEST	28OCT2015	DC V3.00	2015_07	
D1TEST	28OCT2015	DC V3.00	2015_08	
D1TEST	28OCT2015	DC V3.00	NULL or missing	

enc_l3_enctype_ddate_ym

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	ENCTYPE	DISCHARGE_DATE	RECORD_N
D1TEST	28OCT2015	DC V3.00	AV	2004_01	
D1TEST	28OCT2015	DC V3.00	AV	2004_02	
D1TEST	28OCT2015	DC V3.00	AV	NULL or missing	

enc_l3_disdisp

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	DISCHARGE_DISPOSITION	RECORD_N	RECORD_PCT
D1TEST	28OCT2015	DC V3.00	A		
D1TEST	28OCT2015	DC V3.00	E		
D1TEST	28OCT2015	DC V3.00	NI		
D1TEST	28OCT2015	DC V3.00	UN		
D1TEST	28OCT2015	DC V3.00	OT		
D1TEST	28OCT2015	DC V3.00	NULL or missing		
D1TEST	28OCT2015	DC V3.00	Values outside of CDM specifications		

enc_l3_enctype_disdisp

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	ENCTYPE	DISCHARGE_DISPOSITION	RECORD_N	RECORD_PCT
D1TEST	28OCT2015	DC V3.00	AV	A		
D1TEST	28OCT2015	DC V3.00	AV	E		
D1TEST	28OCT2015	DC V3.00	AV	NI		
D1TEST	28OCT2015	DC V3.00	AV	UN		
D1TEST	28OCT2015	DC V3.00	AV	OT		
D1TEST	28OCT2015	DC V3.00	AV	NULL or missing		
D1TEST	28OCT2015	DC V3.00	AV	Values outside of CDM specifications		

enc_l3_disstat

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	DISCHARGE_STATUS	RECORD_N	RECORD_PCT
D1TEST	28OCT2015	DC V3.00	AF		
D1TEST	28OCT2015	DC V3.00	AL		
D1TEST	28OCT2015	DC V3.00	AM		
D1TEST	28OCT2015	DC V3.00	AW		
D1TEST	28OCT2015	DC V3.00	EX		
D1TEST	28OCT2015	DC V3.00	HH		
D1TEST	28OCT2015	DC V3.00	HO		
D1TEST	28OCT2015	DC V3.00	HS		
D1TEST	28OCT2015	DC V3.00	IP		
D1TEST	28OCT2015	DC V3.00	NH		
D1TEST	28OCT2015	DC V3.00	RH		
D1TEST	28OCT2015	DC V3.00	RS		
D1TEST	28OCT2015	DC V3.00	SH		
D1TEST	28OCT2015	DC V3.00	SN		
D1TEST	28OCT2015	DC V3.00	NI		
D1TEST	28OCT2015	DC V3.00	UN		
D1TEST	28OCT2015	DC V3.00	OT		
D1TEST	28OCT2015	DC V3.00	NULL or missing		
D1TEST	28OCT2015	DC V3.00	Values outside of CDM specifications		

enc_l3_enctype_disstat

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	ENCTYPE	DISCHARGE_STATUS	RECORD_PCT
D1TEST	28OCT2015	DC V3.00	AV	AF	
D1TEST	28OCT2015	DC V3.00	AV	AL	
D1TEST	28OCT2015	DC V3.00	AV	AM	
D1TEST	28OCT2015	DC V3.00	AV	AW	
D1TEST	28OCT2015	DC V3.00	AV	EX	
D1TEST	28OCT2015	DC V3.00	AV	HH	
D1TEST	28OCT2015	DC V3.00	AV	HO	
D1TEST	28OCT2015	DC V3.00	AV	HS	
D1TEST	28OCT2015	DC V3.00	AV	IP	
D1TEST	28OCT2015	DC V3.00	AV	NH	
D1TEST	28OCT2015	DC V3.00	AV	RH	
D1TEST	28OCT2015	DC V3.00	AV	RS	
D1TEST	28OCT2015	DC V3.00	AV	SH	
D1TEST	28OCT2015	DC V3.00	AV	SN	
D1TEST	28OCT2015	DC V3.00	AV	NI	
D1TEST	28OCT2015	DC V3.00	AV	UN	
D1TEST	28OCT2015	DC V3.00	AV	OT	
D1TEST	28OCT2015	DC V3.00	AV	NULL or missing	

enc_l3_drg

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	DRG	RECORD_N	RECORD_PCT
D1TEST	28OCT2015	DC V3.00	001		
D1TEST	28OCT2015	DC V3.00	150		
D1TEST	28OCT2015	DC V3.00	NULL or missing		
D1TEST	28OCT2015	DC V3.00	Values outside of CDM specifications		

Note: Values outside of CDM specifications signifies an incorrect data type (ie, DRG is not CHAR 3)

enc_l3_drg_type

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	DRG_TYPE	RECORD_N	RECORD_PCT
D1TEST	28OCT2015	DC V3.00	01		
D1TEST	28OCT2015	DC V3.00	02		
D1TEST	28OCT2015	DC V3.00	NI		
D1TEST	28OCT2015	DC V3.00	UN		
D1TEST	28OCT2015	DC V3.00	OT		
D1TEST	28OCT2015	DC V3.00	NULL or missing		
D1TEST	28OCT2015	DC V3.00	Values outside of CDM specifications		

enc_l3_enctype_drg

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	ENCTYPE	DRG	RECORD_N	RECORD_PCT
D1TEST	28OCT2015	DC V3.00	AV	001		
D1TEST	28OCT2015	DC V3.00	AV	150		
D1TEST	28OCT2015	DC V3.00	AV	NULL or missing		
D1TEST	28OCT2015	DC V3.00	AV	Values outside of CDM specifications		

Note: For DRG, "Values outside of CDM specifications" signifies an incorrect data type (ie, DRG is not CHAR 3)

enc_l3_enctype

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	ENCTYPE	RECORD_N	RECORD_PCT	DISTINCT_VISIT_N	DISTINCT_PATID_N
D1TEST	28OCT2015	DC V3.00	AV				
D1TEST	28OCT2015	DC V3.00	ED				
D1TEST	28OCT2015	DC V3.00	EI				
D1TEST	28OCT2015	DC V3.00	IP				
D1TEST	28OCT2015	DC V3.00	IS				
D1TEST	28OCT2015	DC V3.00	OA				
D1TEST	28OCT2015	DC V3.00	NI				
D1TEST	28OCT2015	DC V3.00	UN				
D1TEST	28OCT2015	DC V3.00	OT				
D1TEST	28OCT2015	DC V3.00	NULL or missing				
D1TEST	28OCT2015	DC V3.00	Values outside of CDM specifications				

Note: Visits are a concatenation of PATID + PROVIDER_ID + ENC_TYPE + ADMIT_DT

enc_l3_dash1 (This query counts he number of patients with any encounter during the designated period of time prior to the maximum ADMIT_DATE. If the maximum ADMIT_DATE is in the future the current date is used instead).

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	Period	DISTINCT_PATID_N
D1TEST	28OCT2015	DC V3.00	1 yr	
D1TEST	28OCT2015	DC V3.00	2 yrs	
D1TEST	28OCT2015	DC V3.00	3 yrs	
D1TEST	28OCT2015	DC V3.00	4 yrs	
D1TEST	28OCT2015	DC V3.00	5 yrs	
D1TEST	28OCT2015	DC V3.00	All yrs	

enc_l3_dash2 (This query counts the number of patients with any IP, EI, ED or AV encounter during the designated period of time prior to the maximum ADMIT_DATE. If the maximum ADMIT_DATE is in the future the current date is used instead).

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	PERIOD	DISTINCT_PATID_N
D1TEST	28OCT2015	DC V3.00	1 yr	
D1TEST	28OCT2015	DC V3.00	2 yrs	
D1TEST	28OCT2015	DC V3.00	3 yrs	
D1TEST	28OCT2015	DC V3.00	4 yrs	
D1TEST	28OCT2015	DC V3.00	5 yrs	
D1TEST	28OCT2015	DC V3.00	All yrs	

VII. Diagnosis Table Shells

dia_l3_n

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	DATASET	TAG	ALL_N	DISTINCT_N	NULL_N
D1TEST	28OCT2015	DC V3.00	DIAGNOSIS	ENCOUNTERID			
D1TEST	28OCT2015	DC V3.00	DIAGNOSIS	PATID			
D1TEST	28OCT2015	DC V3.00	DIAGNOSIS	DIAGNOSISID			

dia_l3_dx

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	DX	RECORD_N	RECORD_PCT
D1TEST	28OCT2015	DC V3.00	840		
D1TEST	28OCT2015	DC V3.00	953.5		
D1TEST	28OCT2015	DC V3.00	NULL or missing		

dia_l3_dx_dxtype

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	DX	DX_TYPE	RECORD_N
D1TEST	28OCT2015	DC V3.00	008.45	09	
D1TEST	28OCT2015	DC V3.00	NULL or missing	10	
D1TEST	28OCT2015	DC V3.00	NULL or missing	11	
D1TEST	28OCT2015	DC V3.00	NULL or missing	SM	
D1TEST	28OCT2015	DC V3.00	NULL or missing	NI	
D1TEST	28OCT2015	DC V3.00	NULL or missing	UN	
D1TEST	28OCT2015	DC V3.00	NULL or missing	OT	
D1TEST	28OCT2015	DC V3.00	NULL or missing	NULL or missing	
D1TEST	28OCT2015	DC V3.00	NULL or missing	Values outside of CDM specifications	

dia_l3_dxsource

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	DX_SOURCE	RECORD_N	RECORD_PCT
D1TEST	28OCT2015	DC V3.00	AD		
D1TEST	28OCT2015	DC V3.00	DI		
D1TEST	28OCT2015	DC V3.00	FI		
D1TEST	28OCT2015	DC V3.00	IN		
D1TEST	28OCT2015	DC V3.00	NI		
D1TEST	28OCT2015	DC V3.00	UN		
D1TEST	28OCT2015	DC V3.00	OT		
D1TEST	28OCT2015	DC V3.00	NULL or missing		
D1TEST	28OCT2015	DC V3.00	Values outside of CDM specifications		

dia_l3_dxtype_dxsource

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	DX_TYPE	DX_SOURCE	RECORD_N
D1TEST	28OCT2015	DC V3.00	09	AD	
D1TEST	28OCT2015	DC V3.00	09	DI	
D1TEST	28OCT2015	DC V3.00	09	FI	
D1TEST	28OCT2015	DC V3.00	09	IN	
D1TEST	28OCT2015	DC V3.00	09	NI	
D1TEST	28OCT2015	DC V3.00	09	UN	
D1TEST	28OCT2015	DC V3.00	09	OT	
D1TEST	28OCT2015	DC V3.00	09	NULL or missing	
D1TEST	28OCT2015	DC V3.00	09	Values outside of CDM specifications	

dia_l3_PDX

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	PDX	RECORD_N	RECORD_PCT
D1TEST	28OCT2015	DC V3.00	P		
D1TEST	28OCT2015	DC V3.00	S		
D1TEST	28OCT2015	DC V3.00	X		
D1TEST	28OCT2015	DC V3.00	NI		
D1TEST	28OCT2015	DC V3.00	UN		
D1TEST	28OCT2015	DC V3.00	OT		
D1TEST	28OCT2015	DC V3.00	NULL or missing		
D1TEST	28OCT2015	DC V3.00	Values outside of CDM specifications		

dia_l3_PDX_enctype

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	PDX	ENCTYPE	RECORD_N	DISTINCT_ENCID_N
D1TEST	28OCT2015	DC V3.00	P	AV		
D1TEST	28OCT2015	DC V3.00	P	ED		
D1TEST	28OCT2015	DC V3.00	P	EI		
D1TEST	28OCT2015	DC V3.00	P	IP		
D1TEST	28OCT2015	DC V3.00	P	IS		
D1TEST	28OCT2015	DC V3.00	P	OA		
D1TEST	28OCT2015	DC V3.00	P	NI		
D1TEST	28OCT2015	DC V3.00	P	UN		
D1TEST	28OCT2015	DC V3.00	P	OT		
D1TEST	28OCT2015	DC V3.00	P	NULL or missing		
D1TEST	28OCT2015	DC V3.00	P	Values outside CDM specifications		

dia_l3_adate_y

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	ADMIT_DATE	RECORD_N	RECORD_PCT	DISTINCT_ENCID_N	DISTINCT_PATID_N
D1TEST	28OCT2015	DC V3.00	2015				
D1TEST	28OCT2015	DC V3.00	NULL or missing				

dia_l3_adate_ym

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	ADMIT_DATE	RECORD_N
D1TEST	28OCT2015	DC V3.00	2015_07	
D1TEST	28OCT2015	DC V3.00	2015_08	
D1TEST	28OCT2015	DC V3.00	NULL or missing	

dia_l3_enctype

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	ENCTYPE	RECORD_N	RECORD_PCT
D1TEST	28OCT2015	DC V3.00	AV		
D1TEST	28OCT2015	DC V3.00	ED		
D1TEST	28OCT2015	DC V3.00	EI		
D1TEST	28OCT2015	DC V3.00	IP		
D1TEST	28OCT2015	DC V3.00	IS		
D1TEST	28OCT2015	DC V3.00	OA		
D1TEST	28OCT2015	DC V3.00	NI		
D1TEST	28OCT2015	DC V3.00	UN		
D1TEST	28OCT2015	DC V3.00	OT		
D1TEST	28OCT2015	DC V3.00	NULL or missing		
D1TEST	28OCT2015	DC V3.00	Values outside of CDM specifications		

dia_l3_dxtype_enctype

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	DX_TYPE	ENCTYPE	RECORD_N
D1TEST	28OCT2015	DC V3.00	09	AV	
D1TEST	28OCT2015	DC V3.00	09	ED	
D1TEST	28OCT2015	DC V3.00	09	EI	
D1TEST	28OCT2015	DC V3.00	09	IP	
D1TEST	28OCT2015	DC V3.00	09	IS	
D1TEST	28OCT2015	DC V3.00	09	OA	
D1TEST	28OCT2015	DC V3.00	09	NI	
D1TEST	28OCT2015	DC V3.00	09	UN	
D1TEST	28OCT2015	DC V3.00	09	OT	
D1TEST	28OCT2015	DC V3.00	09	NULL or missing	
D1TEST	28OCT2015	DC V3.00	09	Values outside of CDM specifications	

dia_l3_enctype_adate_ym

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	ENCTYPE	ADMIT_DATE	DISTINCT_ENCID_N	RECORD_N
D1TEST	28OCT2015	DC V3.00	AV	2015_07		
D1TEST	28OCT2015	DC V3.00	ED	2015_07		
D1TEST	28OCT2015	DC V3.00	EI	2015_07		
D1TEST	28OCT2015	DC V3.00	IP	2015_07		
D1TEST	28OCT2015	DC V3.00	IS	2015_07		
D1TEST	28OCT2015	DC V3.00	OA	2015_07		
D1TEST	28OCT2015	DC V3.00	NI	2015_07		
D1TEST	28OCT2015	DC V3.00	UN	2015_07		
D1TEST	28OCT2015	DC V3.00	OT	2015_07		
D1TEST	28OCT2015	DC V3.00	NULL or missing	2015_07		
D1TEST	28OCT2015	DC V3.00	Values outside of CDM specifications	2015_07		

dia_l3_dash1 (This query counts the number of patients with any diagnosis record with a populated DX code during the designated period of time prior to the maximum ADMIT_DATE. If the maximum ADMIT_DATE is in the future the current date is substituted).

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	PERIOD	DISTINCT_PATID_N
D1TEST	28OCT2015	DC V3.00	1 yr	
D1TEST	28OCT2015	DC V3.00	2 yrs	
D1TEST	28OCT2015	DC V3.00	3 yrs	
D1TEST	28OCT2015	DC V3.00	4 yrs	
D1TEST	28OCT2015	DC V3.00	5 yrs	
D1TEST	28OCT2015	DC V3.00	All yrs	

VIII. Procedures Table Shells

pro_l3_n

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	DATASET	TAG	ALL_N	DISTINCT_N	NULL_N
D1TEST	28OCT2015	DC V3.00	PROCEDURES	ENCOUNTERID			
D1TEST	28OCT2015	DC V3.00	PROCEDURES	PATID			
D1TEST	28OCT2015	DC V3.00	PROCEDURES	PROCEDURESID			

pro_l3_px

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	PX	RECORD_N	RECORD_PCT
D1TEST	28OCT2015	DC V3.00	00.11		
D1TEST	28OCT2015	DC V3.00	0067T		
D1TEST	28OCT2015	DC V3.00	NULL or missing		

pro_l3_adate_y

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	ADMIT_DATE	RECORD_N	RECORD_PCT	DISTINCT_ENCID_N	DISTINCT_PATID_N
D1TEST	28OCT2015	DC V3.00	2015				
D1TEST	28OCT2015	DC V3.00	NULL or missing				

pro_l3_adate_ym

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	ADMIT_DATE	RECORD_N
D1TEST	28OCT2015	DC V3.00	2015_07	
D1TEST	28OCT2015	DC V3.00	2015_08	
D1TEST	28OCT2015	DC V3.00	NULL or missing	

pro_l3_pxdate_y

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	PX_DATE	RECORD_N	RECORD_PCT	DISTINCT_ENCID_N	DISTINCT_PATID_N
D1TEST	28OCT2015	DC V3.00	2015				
D1TEST	28OCT2015	DC V3.00	NULL or missing				

pro_l3_px_enctype

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	PX	ENCTYPE	RECORD_N
D1TEST	28OCT2015	DC V3.00	00.11	AV	
D1TEST	28OCT2015	DC V3.00	00.11	ED	
D1TEST	28OCT2015	DC V3.00	00.11	EI	
D1TEST	28OCT2015	DC V3.00	00.11	IP	
D1TEST	28OCT2015	DC V3.00	00.11	IS	
D1TEST	28OCT2015	DC V3.00	00.11	OA	
D1TEST	28OCT2015	DC V3.00	00.11	NI	
D1TEST	28OCT2015	DC V3.00	00.11	UN	
D1TEST	28OCT2015	DC V3.00	00.11	OT	
D1TEST	28OCT2015	DC V3.00	NULL or missing	NULL or missing	
D1TEST	28OCT2015	DC V3.00	NULL or missing	Values outside of CDM specifications	

pro_l3_enctype

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	ENCTYPE	RECORD_N	RECORD_PCT
D1TEST	28OCT2015	DC V3.00	AV		
D1TEST	28OCT2015	DC V3.00	ED		
D1TEST	28OCT2015	DC V3.00	EI		
D1TEST	28OCT2015	DC V3.00	IP		
D1TEST	28OCT2015	DC V3.00	IS		
D1TEST	28OCT2015	DC V3.00	OA		
D1TEST	28OCT2015	DC V3.00	NI		
D1TEST	28OCT2015	DC V3.00	UN		
D1TEST	28OCT2015	DC V3.00	OT		
D1TEST	28OCT2015	DC V3.00	NULL or missing		
D1TEST	28OCT2015	DC V3.00	Values outside of CDM specifications		

pro_l3_pxtype_enctype

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	PX_TYPE	ENCTYPE	RECORD_N
D1TEST	28OCT2015	DC V3.00	09	AV	
D1TEST	28OCT2015	DC V3.00	09	ED	
D1TEST	28OCT2015	DC V3.00	09	EI	
D1TEST	28OCT2015	DC V3.00	09	IP	
D1TEST	28OCT2015	DC V3.00	09	IS	
D1TEST	28OCT2015	DC V3.00	09	OA	
D1TEST	28OCT2015	DC V3.00	09	NI	
D1TEST	28OCT2015	DC V3.00	09	UN	
D1TEST	28OCT2015	DC V3.00	09	OT	
D1TEST	28OCT2015	DC V3.00	09	NULL or missing	
D1TEST	28OCT2015	DC V3.00	09	Values outside of CDM specifications	

pro_l3_enctype_adate_ym

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	ENCTYPE	ADMIT_DATE	DIST_ENCID_N	RECORD_N
D1TEST	28OCT2015	DC V3.00	AV	2015_07		
D1TEST	28OCT2015	DC V3.00	ED	2015_07		
D1TEST	28OCT2015	DC V3.00	EI	2015_07		
D1TEST	28OCT2015	DC V3.00	IP	2015_07		
D1TEST	28OCT2015	DC V3.00	IS	2015_07		
D1TEST	28OCT2015	DC V3.00	OA	2015_07		
D1TEST	28OCT2015	DC V3.00	NI	2015_07		
D1TEST	28OCT2015	DC V3.00	UN	2015_07		
D1TEST	28OCT2015	DC V3.00	OT	2015_07		
D1TEST	28OCT2015	DC V3.00	NULL or missing	2015_07		

pro_l3_px_pxtype

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	PX	PX_TYPE	RECORD_N
D1TEST	28OCT2015	DC V3.00	00.11	09	
D1TEST	28OCT2015	DC V3.00	NULL or missing	10	
D1TEST	28OCT2015	DC V3.00	NULL or missing	11	
D1TEST	28OCT2015	DC V3.00	NULL or missing	C2	
D1TEST	28OCT2015	DC V3.00	NULL or missing	C3	
D1TEST	28OCT2015	DC V3.00	NULL or missing	C4	
D1TEST	28OCT2015	DC V3.00	NULL or missing	H3	
D1TEST	28OCT2015	DC V3.00	NULL or missing	HC	
D1TEST	28OCT2015	DC V3.00	NULL or missing	LC	
D1TEST	28OCT2015	DC V3.00	NULL or missing	ND	
D1TEST	28OCT2015	DC V3.00	NULL or missing	RE	
D1TEST	28OCT2015	DC V3.00	NULL or missing	NI	
D1TEST	28OCT2015	DC V3.00	NULL or missing	UN	
D1TEST	28OCT2015	DC V3.00	NULL or missing	OT	
D1TEST	28OCT2015	DC V3.00	NULL or missing	NULL or missing	
D1TEST	28OCT2015	DC V3.00	NULL or missing	Values outside of CDM specifications	

pro_l3_pxsource

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	PX_SOURCE	RECORD_N	RECORD_PCT
D1TEST	28OCT2015	DC V3.00	BI		
D1TEST	28OCT2015	DC V3.00	CL		
D1TEST	28OCT2015	DC V3.00	OD		
D1TEST	28OCT2015	DC V3.00	NI		
D1TEST	28OCT2015	DC V3.00	UN		
D1TEST	28OCT2015	DC V3.00	OT		
D1TEST	28OCT2015	DC V3.00	NULL or missing		
D1TEST	28OCT2015	DC V3.00	Values outside of CDM specifications		

IX. Enrollment Table Shells

enr_l3_n (ENROLLID is a concatenation of PATID + ENR_START_DATE + ENR_BASIS)

DATAMARTID	RESPONSE_ DATE	QUERY_PACKAGE	DATASET	TAG	ALL_ N	DISTINCT_ N	NULL_ N
D1TEST	28OCT2015	DC V3.00	ENROLLMENT	PATID			
D1TEST	28OCT2015	DC V3.00	ENROLLMENT	ENR_START_DATE			
D1TEST	28OCT2015	DC V3.00	ENROLLMENT	ENROLLID			

enr_l3_dist_start

DATAMARTID	RESPONSE_ DATE	QUERY_ PACKAGE	STAT	RECORD_N
D1TEST	28OCT2015	DC V3.00	MIN	
D1TEST	28OCT2015	DC V3.00	P1	
D1TEST	28OCT2015	DC V3.00	P5	
D1TEST	28OCT2015	DC V3.00	P25	
D1TEST	28OCT2015	DC V3.00	MEDIAN	
D1TEST	28OCT2015	DC V3.00	P75	
D1TEST	28OCT2015	DC V3.00	P95	
D1TEST	28OCT2015	DC V3.00	P99	
D1TEST	28OCT2015	DC V3.00	MAX	
D1TEST	28OCT2015	DC V3.00	N	
D1TEST	28OCT2015	DC V3.00	NULL or missing	

enr_l3_dist_end

DATAMARTID	RESPONSE_ DATE	QUERY_ PACKAGE	STAT	RECORD_N
D1TEST	28OCT2015	DC V3.00	MIN	
D1TEST	28OCT2015	DC V3.00	P1	
D1TEST	28OCT2015	DC V3.00	P5	
D1TEST	28OCT2015	DC V3.00	P25	
D1TEST	28OCT2015	DC V3.00	MEDIAN	
D1TEST	28OCT2015	DC V3.00	P75	
D1TEST	28OCT2015	DC V3.00	P95	
D1TEST	28OCT2015	DC V3.00	P99	
D1TEST	28OCT2015	DC V3.00	MAX	
D1TEST	28OCT2015	DC V3.00	N	
D1TEST	28OCT2015	DC V3.00	NULL or missing	

enr_l3_dist_enrmonth

DATAMARTID	RESPONSE_ DATE	QUERY_ PACKAGE	ENROLL_M	RECORD_N	RECORD_PCT
D1TEST	28OCT2015	DC V3.00	<0		
D1TEST	28OCT2015	DC V3.00	0		
D1TEST	28OCT2015	DC V3.00	1		
D1TEST	28OCT2015	DC V3.00	2		
D1TEST	28OCT2015	DC V3.00	3		
D1TEST	28OCT2015	DC V3.00	4		
D1TEST	28OCT2015	DC V3.00	NULL or missing		

enr_l3_dist_enryear

DATAMARTID	RESPONSE_ DATE	QUERY_ PACKAGE	ENROLL_Y	RECORD_N	RECORD_PCT
D1TEST	28OCT2015	DC V3.00	1		
D1TEST	28OCT2015	DC V3.00	2		
D1TEST	28OCT2015	DC V3.00	NULL or missing		

enr_l3_enr_ym

DATAMARTID	RESPONSE_ DATE	QUERY_ PACKAGE	MONTH	RECORD_N
D1TEST	28OCT2015	DC V3.00	2015_07	
D1TEST	28OCT2015	DC V3.00	2015_08	
D1TEST	28OCT2015	DC V3.00	NULL or missing	

enr_l3_basisdist

DATAMARTID	RESPONSE_ DATE	QUERY_ PACKAGE	ENR_BASIS	RECORD_N	RECORD_PCT
D1TEST	28OCT2015	DC V3.00	A		
D1TEST	28OCT2015	DC V3.00	E		
D1TEST	28OCT2015	DC V3.00	G		
D1TEST	28OCT2015	DC V3.00	I		
D1TEST	28OCT2015	DC V3.00	NULL or missing		
D1TEST	28OCT2015	DC V3.00	Values outside of CDM specifications		

enr_l3_per_patid

DATAMARTID	RESPONSE_ DATE	QUERY_ PACKAGE	STAT	RECORD_N
D1TEST	28OCT2015	DC V3.00	MIN	
D1TEST	28OCT2015	DC V3.00	P1	
D1TEST	28OCT2015	DC V3.00	P5	
D1TEST	28OCT2015	DC V3.00	P25	
D1TEST	28OCT2015	DC V3.00	MEDIAN	
D1TEST	28OCT2015	DC V3.00	P75	
D1TEST	28OCT2015	DC V3.00	P95	
D1TEST	28OCT2015	DC V3.00	P99	
D1TEST	28OCT2015	DC V3.00	MAX	
D1TEST	28OCT2015	DC V3.00	N	
D1TEST	28OCT2015	DC V3.00	NULL or missing	

X. Vital Table Shells

vit_l3_n

DATAMARTID	RESPONSE_ DATE	QUERY_ PACKAGE	DATASET	TAG	ALL_N	DISTINCT_N	NULL_N
D1TEST	28OCT2015	DC V3.00	VITAL	ENCOUNTERID			
D1TEST	28OCT2015	DC V3.00	VITAL	PATID			
D1TEST	28OCT2015	DC V3.00	VITAL	VITALID			

vit_l3_mdate_y

DATAMARTID	RESPONSE_ DATE	QUERY_ PACKAGE	MEASURE_DATE	RECORD_N	RECORD_PCT	DISTINCT_PATID_N
D1TEST	28OCT2015	DC V3.00	2015			
D1TEST	28OCT2015	DC V3.00	NULL or missing			

vit_l3_mdate_ym

DATAMARTID	RESPONSE_ DATE	QUERY_ PACKAGE	MEASURE_DATE	RECORD_N
D1TEST	28OCT2015	DC V3.00	2015_07	
D1TEST	28OCT2015	DC V3.00	2015_08	
D1TEST	28OCT2015	DC V3.00	NULL or missing	

vit_l3_vital_source

DATAMARTID	RESPONSE_ DATE	QUERY_ PACKAGE	VITAL_SOURCE	RECORD_N	RECORD_PCT
D1TEST	28OCT2015	DC V3.00	HC		
D1TEST	28OCT2015	DC V3.00	HD		
D1TEST	28OCT2015	DC V3.00	PD		
D1TEST	28OCT2015	DC V3.00	PR		
D1TEST	28OCT2015	DC V3.00	NI		
D1TEST	28OCT2015	DC V3.00	UN		
D1TEST	28OCT2015	DC V3.00	OT		
D1TEST	28OCT2015	DC V3.00	NULL or missing		
D1TEST	28OCT2015	DC V3.00	Values outside of CDM specifications		

vit_l3_HT

DATAMARTID	RESPONSE_ DATE	QUERY_ PACKAGE	HT_GROUP	RECORD_N	RECORD_PCT
D1TEST	28OCT2015	DC V3.00	<0		
D1TEST	28OCT2015	DC V3.00	0-10		
D1TEST	28OCT2015	DC V3.00	11-20		
D1TEST	28OCT2015	DC V3.00	21-45		
D1TEST	28OCT2015	DC V3.00	46-52		
D1TEST	28OCT2015	DC V3.00	53-58		
D1TEST	28OCT2015	DC V3.00	59-64		
D1TEST	28OCT2015	DC V3.00	65-70		
D1TEST	28OCT2015	DC V3.00	71-76		
D1TEST	28OCT2015	DC V3.00	77-82		
D1TEST	28OCT2015	DC V3.00	83-88		
D1TEST	28OCT2015	DC V3.00	89-94		
D1TEST	28OCT2015	DC V3.00	>=95		
D1TEST	28OCT2015	DC V3.00	NULL or missing		

vit_l3_ht_dist

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	STAT	RECORD_N
D1TEST	28OCT2015	DC V3.00	MIN	
D1TEST	28OCT2015	DC V3.00	MEAN	
D1TEST	28OCT2015	DC V3.00	MEDIAN	
D1TEST	28OCT2015	DC V3.00	MAX	
D1TEST	28OCT2015	DC V3.00	N	
D1TEST	28OCT2015	DC V3.00	NULL or missing	

vit_l3_WT

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	WT_GROUP	RECORD_N	RECORD_PCT
D1TEST	28OCT2015	DC V3.00	<0		
D1TEST	28OCT2015	DC V3.00	0-1		
D1TEST	28OCT2015	DC V3.00	2-6		
D1TEST	28OCT2015	DC V3.00	7-12		
D1TEST	28OCT2015	DC V3.00	13-20		
D1TEST	28OCT2015	DC V3.00	21-35		
D1TEST	28OCT2015	DC V3.00	36-50		
D1TEST	28OCT2015	DC V3.00	51-75		
D1TEST	28OCT2015	DC V3.00	76-100		
D1TEST	28OCT2015	DC V3.00	101-125		
D1TEST	28OCT2015	DC V3.00	126-150		
D1TEST	28OCT2015	DC V3.00	151-175		
D1TEST	28OCT2015	DC V3.00	176-200		
D1TEST	28OCT2015	DC V3.00	201-225		
D1TEST	28OCT2015	DC V3.00	226-250		
D1TEST	28OCT2015	DC V3.00	251-275		
D1TEST	28OCT2015	DC V3.00	276-300		
D1TEST	28OCT2015	DC V3.00	301-350		
D1TEST	28OCT2015	DC V3.00	>350		
D1TEST	28OCT2015	DC V3.00	NULL or missing		

vit_l3_wt_dist

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	STAT	RECORD_N
D1TEST	28OCT2015	DC V3.00	MIN	
D1TEST	28OCT2015	DC V3.00	MEAN	
D1TEST	28OCT2015	DC V3.00	MEDIAN	
D1TEST	28OCT2015	DC V3.00	MAX	
D1TEST	28OCT2015	DC V3.00	N	
D1TEST	28OCT2015	DC V3.00	NULL or missing	

vit_l3_diastolic

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	DIASTOLIC_GROUP	RECORD_N	RECORD_PCT
D1TEST	28OCT2015	DC V3.00	<40		
D1TEST	28OCT2015	DC V3.00	40-60		
D1TEST	28OCT2015	DC V3.00	61-75		
D1TEST	28OCT2015	DC V3.00	76-80		
D1TEST	28OCT2015	DC V3.00	81-90		
D1TEST	28OCT2015	DC V3.00	91-100		
D1TEST	28OCT2015	DC V3.00	101-110		
D1TEST	28OCT2015	DC V3.00	111-120		
D1TEST	28OCT2015	DC V3.00	>120		
D1TEST	28OCT2015	DC V3.00	NULL or missing		

vit_l3_systolic

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	SYSTOLIC_GROUP	RECORD_N	RECORD_PCT
D1TEST	28OCT2015	DC V3.00	<40		
D1TEST	28OCT2015	DC V3.00	41-50		
D1TEST	28OCT2015	DC V3.00	51-60		
D1TEST	28OCT2015	DC V3.00	61-70		
D1TEST	28OCT2015	DC V3.00	71-80		
D1TEST	28OCT2015	DC V3.00	81-90		
D1TEST	28OCT2015	DC V3.00	91-100		
D1TEST	28OCT2015	DC V3.00	101-110		
D1TEST	28OCT2015	DC V3.00	111-120		
D1TEST	28OCT2015	DC V3.00	121-130		
D1TEST	28OCT2015	DC V3.00	131-140		
D1TEST	28OCT2015	DC V3.00	141-150		
D1TEST	28OCT2015	DC V3.00	151-160		
D1TEST	28OCT2015	DC V3.00	161-170		
D1TEST	28OCT2015	DC V3.00	171-180		
D1TEST	28OCT2015	DC V3.00	181-190		
D1TEST	28OCT2015	DC V3.00	191-200		
D1TEST	28OCT2015	DC V3.00	201-210		
D1TEST	28OCT2015	DC V3.00	>210		
D1TEST	28OCT2015	DC V3.00	NULL or missing		

vit_l3_BMI

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	BMI_GROUP	RECORD_N	RECORD_PCT
D1TEST	28OCT2015	DC V3.00	<0		
D1TEST	28OCT2015	DC V3.00	0-1		
D1TEST	28OCT2015	DC V3.00	2-5		
D1TEST	28OCT2015	DC V3.00	6-10		
D1TEST	28OCT2015	DC V3.00	11-15		
D1TEST	28OCT2015	DC V3.00	16-20		
D1TEST	28OCT2015	DC V3.00	21-25		
D1TEST	28OCT2015	DC V3.00	26-30		
D1TEST	28OCT2015	DC V3.00	31-35		
D1TEST	28OCT2015	DC V3.00	36-40		
D1TEST	28OCT2015	DC V3.00	41-45		
D1TEST	28OCT2015	DC V3.00	46-50		
D1TEST	28OCT2015	DC V3.00	>50		
D1TEST	28OCT2015	DC V3.00	NULL or missing		

vit_l3_BP_position_type

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	BP_POSITION	RECORD_N	RECORD_PCT
D1TEST	28OCT2015	DC V3.00	01		
D1TEST	28OCT2015	DC V3.00	02		
D1TEST	28OCT2015	DC V3.00	03		
D1TEST	28OCT2015	DC V3.00	NI		
D1TEST	28OCT2015	DC V3.00	UN		
D1TEST	28OCT2015	DC V3.00	OT		
D1TEST	28OCT2015	DC V3.00	NULL or missing		
D1TEST	28OCT2015	DC V3.00	Values outside of CDM specifications		

vit_l3_smoking

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	SMOKING	RECORD_N	RECORD_PCT
D1TEST	28OCT2015	DC V3.00	01		
D1TEST	28OCT2015	DC V3.00	02		
D1TEST	28OCT2015	DC V3.00	03		
D1TEST	28OCT2015	DC V3.00	04		
D1TEST	28OCT2015	DC V3.00	05		
D1TEST	28OCT2015	DC V3.00	06		
D1TEST	28OCT2015	DC V3.00	07		
D1TEST	28OCT2015	DC V3.00	08		
D1TEST	28OCT2015	DC V3.00	NI		
D1TEST	28OCT2015	DC V3.00	UN		
D1TEST	28OCT2015	DC V3.00	OT		
D1TEST	28OCT2015	DC V3.00	NULL or missing		
D1TEST	28OCT2015	DC V3.00	Values outside of CDM specifications		

vit_l3_tobacco

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	TOBACCO	RECORD_N	RECORD_PCT
D1TEST	28OCT2015	DC V3.00	01		
D1TEST	28OCT2015	DC V3.00	02		
D1TEST	28OCT2015	DC V3.00	03		
D1TEST	28OCT2015	DC V3.00	04		
D1TEST	28OCT2015	DC V3.00	06		
D1TEST	28OCT2015	DC V3.00	NI		
D1TEST	28OCT2015	DC V3.00	OT		
D1TEST	28OCT2015	DC V3.00	UN		
D1TEST	28OCT2015	DC V3.00	NULL or missing		
D1TEST	28OCT2015	DC V3.00	Values outside of CDM specifications		

vit_l3_tobacco_type

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	TOBACCO_TYPE	RECORD_N	RECORD_PCT
D1TEST	28OCT2015	DC V3.00	01		
D1TEST	28OCT2015	DC V3.00	02		
D1TEST	28OCT2015	DC V3.00	03		
D1TEST	28OCT2015	DC V3.00	04		
D1TEST	28OCT2015	DC V3.00	05		
D1TEST	28OCT2015	DC V3.00	NI		
D1TEST	28OCT2015	DC V3.00	UN		
D1TEST	28OCT2015	DC V3.00	OT		
D1TEST	28OCT2015	DC V3.00	NULL or missing		
D1TEST	28OCT2015	DC V3.00	Values outside of CDM specifications		

vit_l3_dash1 (This query counts the number of patients with any vital record with a populated MEASURE_DATE during the designated period of time prior to the maximum MEASURE_DATE. If the maximum MEASURE_DATE is in the future the current date is substituted).

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	PERIOD	DISTINCT_PATID_N
D1TEST	28OCT2015	DC V3.00	1 yr	
D1TEST	28OCT2015	DC V3.00	2 yrs	
D1TEST	28OCT2015	DC V3.00	3 yrs	
D1TEST	28OCT2015	DC V3.00	4 yrs	
D1TEST	28OCT2015	DC V3.00	5 yrs	
D1TEST	28OCT2015	DC V3.00	All yrs	

XI. Cross-table Table Shells

xtbl_l3_range_ym

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	DATASET	TAG	MIN	MAX
D1TEST	28OCT2015	DC V3.00	ENCOUNTER	ADMIT_DATE		
D1TEST	28OCT2015	DC V3.00	DIAGNOSIS	ADMIT_DATE		
D1TEST	28OCT2015	DC V3.00	PROCEDURES	ADMIT_DATE		
D1TEST	28OCT2015	DC V3.00	VITAL	MEASURE_DATE		
D1TEST	28OCT2015	DC V3.00	ENROLLMENT	ENR_START_DATE		
D1TEST	28OCT2015	DC V3.00	ENROLLMENT	ENR_END_DATE		

xtbl_l3_metadata

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	TAG	VALUE
D1TEST	28OCT2015	DC V3.00	NETWORKID	
D1TEST	28OCT2015	DC V3.00	NETWORK_NAME	
D1TEST	28OCT2015	DC V3.00	DATAMARTID	
D1TEST	28OCT2015	DC V3.00	DATAMART_NAME	
D1TEST	28OCT2015	DC V3.00	DATAMART_PLATFORM	
D1TEST	28OCT2015	DC V3.00	CDM_VERSION	
D1TEST	28OCT2015	DC V3.00	DATAMART_CLAIMS	
D1TEST	28OCT2015	DC V3.00	DATAMART_EHR	
D1TEST	28OCT2015	DC V3.00	BIRTH_DATE_MGMT	
D1TEST	28OCT2015	DC V3.00	ENR_START_DATE_MGMT	
D1TEST	28OCT2015	DC V3.00	ENR_END_DATE_MGMT	
D1TEST	28OCT2015	DC V3.00	ADMIT_DATE_MGMT	
D1TEST	28OCT2015	DC V3.00	DISCHARGE_DATE_MGMT	
D1TEST	28OCT2015	DC V3.00	PX_DATE_MGMT	
D1TEST	28OCT2015	DC V3.00	RX_ORDER_DATE_MGMT	
D1TEST	28OCT2015	DC V3.00	RX_START_DATE_MGMT	
D1TEST	28OCT2015	DC V3.00	RX_END_DATE_MGMT	
D1TEST	28OCT2015	DC V3.00	DISPENSE_DATE_MGMT	
D1TEST	28OCT2015	DC V3.00	LAB_ORDER_DATE_MGMT	
D1TEST	28OCT2015	DC V3.00	SPECIMEN_DATE_MGMT	
D1TEST	28OCT2015	DC V3.00	RESULT_DATE_MGMT	
D1TEST	28OCT2015	DC V3.00	MEASURE_DATE_MGMT	
D1TEST	28OCT2015	DC V3.00	ONSET_DATE_MGMT	
D1TEST	28OCT2015	DC V3.00	REPORT_DATE_MGMT	
D1TEST	28OCT2015	DC V3.00	RESOLVE_DATE_MGMT	
D1TEST	28OCT2015	DC V3.00	PRO_DATE_MGMT	
D1TEST	28OCT2015	DC V3.00	REFRESH_DEMOGRAPHIC_DATE	
D1TEST	28OCT2015	DC V3.00	REFRESH_ENROLLMENT_DATE	
D1TEST	28OCT2015	DC V3.00	REFRESH_ENCOUNTER_DATE	

D1TEST	28OCT2015	DC V3.00	REFRESH_DIAGNOSIS_DATE	
D1TEST	28OCT2015	DC V3.00	REFRESH_PROCEDURES_DATE	
D1TEST	28OCT2015	DC V3.00	REFRESH_VITAL_DATE	
D1TEST	28OCT2015	DC V3.00	REFRESH_DISPENSING_DATE	
D1TEST	28OCT2015	DC V3.00	REFRESH_LAB_RESULT_CM_DATE	
D1TEST	28OCT2015	DC V3.00	REFRESH_CONDITION_DATE	
D1TEST	28OCT2015	DC V3.00	REFRESH_PRO_CM_DATE	
D1TEST	28OCT2015	DC V3.00	REFRESH_PRESCRIBING_DATE	
D1TEST	28OCT2015	DC V3.00	REFRESH_PCORNET_TRIAL_DATE	
D1TEST	28OCT2015	DC V3.00	REFRESH_DEATH_DATE	
D1TEST	28OCT2015	DC V3.00	REFRESH_DEATH_CAUSE_DATE	
D1TEST	28OCT2015	DC V3.00	REFRESH_MAX	
D1TEST	28OCT2015	DC V3.00	LOW_CELL_CNT	
D1TEST	28OCT2015	DC V3.00	OPERATING_SYSTEM	
D1TEST	28OCT2015	DC V3.00	QUERY_PACKAGE	
D1TEST	28OCT2015	DC V3.00	RESPONSE_DATE	
D1TEST	28OCT2015	DC V3.00	SAS_VERSION	
D1TEST	28OCT2015	DC V3.00	SAS_BASE	
D1TEST	28OCT2015	DC V3.00	SAS_GRAPH	
D1TEST	28OCT2015	DC V3.00	SAS_STAT	
D1TEST	28OCT2015	DC V3.00	SAS_ETS	
D1TEST	28OCT2015	DC V3.00	SAS_AF	
D1TEST	28OCT2015	DC V3.00	SAS_IML	
D1TEST	28OCT2015	DC V3.00	SAS_CONNECT	
D1TEST	28OCT2015	DC V3.00	SAS_ACCESS	

xtbl_l3_dash1 (This query counts the number of patients with any Vital record with a populated MEASURE_DATE and a Diagnosis record with a populated DX and ADMIT_DATE during the designated period of time prior to the maximum ADMIT_DATE. If the maximum ADMIT_DATE is in the future the current date is substituted).

DATAMARTID	RESPONSE_DATE	QUERY_PACKAGE	PERIOD	DISTINCT_PATID_N
D1TEST	28OCT2015	DC V3.00	1 yr	
D1TEST	28OCT2015	DC V3.00	2 yrs	
D1TEST	28OCT2015	DC V3.00	3 yrs	
D1TEST	28OCT2015	DC V3.00	4 yrs	
D1TEST	28OCT2015	DC V3.00	5 yrs	
D1TEST	28OCT2015	DC V3.00	All yrs	

XII. Technical Instructions

1) Open DC_QUERY_PKG_V300.zip and extract the contents (RUN_QUERIES.SAS and DATA_CHARACTERIZATON_QUERY.SAS). Save these files in the same directory on your network. The directory should be reserved for query processing and should not be the same directory that contains your PCORnet CDM v3.00 data.
2) Using your SAS Editor, open RUN_QUERIES.SAS.
3) Modify the directory paths as follows:
   a. After `%let dpath=,` provide the directory path where your PCORnet CDM v3.00 SAS datasets are located.
   b. After `%let qpath=,` provide the directory path where the RUN_QUERIES.SAS and DATA_CHARACTERIZATION_QUERY.SAS are located.
   c. After `%let threshold=,` provide the low cell count threshold value for the DataMart.
   d. For reasons of compatibility and standardization, directory paths must meet the following criteria:
      - DO use forward slashes (e.g. /) which are always compatible on both UNIX and WINDOWS
      - DO use end of path separators (e.g. /xyz/ and not /xyz) which are assumed by many programs
      - DO use beginning of path separators (e.g. /xyz) on UNIX
      - DO NOT use beginning of path separators on WINDOWS (e.g. P:/xyz not /P:/xyz)
      - DO NOT surround directory paths with quotes (e.g. /xyz/ not "/xyz/")
   e. The directory paths as written expect the CDM data to be in SAS datasets. The `dpath` variable in this program is used to set the `pcordata` libname, which points to the directory in which these datasets can be found. In order to run the queries on PCORnet CDM data stored in database tables, you will need to use the appropriate SAS/ACCESS options on a LIBNAME statement so that the program knows where to find the data tables. This will require a few small edits to the program. The examples below show connection information for an Oracle database. Connecting to other database systems may require different connection information.
   f. In the RUN_QUERIES.SAS program, edit the `dpath` variable on Line 26 to include the appropriate database connection information. Be sure to use the `%str()` function to mask the embedded equal signs. For example: `%let dpath = %str(oracle user="myuserid" orapw=mypasswd path=mydbname schema=myschema);`
   g. In the DATA_CHARACTERIZATION_QUERY.SAS program, edit the libname pcordata statement on Line 24 to remove the quotation marks, as: `libname pcordata &dpath;`
4) Save and submit the RUN_QUERIES program. The program will call DATA_CHARACTERIZATION_QUERY.SAS and process all of the queries. As it processes each query, the program will print the results of the query to a PDF file. Additionally, the program will create permanent SAS datasets for each output table. At the end of the program, all of the permanent SAS datasets will be imported into a SAS transport file. All files will be saved to the QPATH directory. The SAS transport file and PDF filenames will contain the user's DATAMARTID from the HARVEST table and the response date (e.g. D1TEST_20151101.XPT; D1TEST_20151101.PDF).
5) Review the data output and make any necessary updates.
6) Return the final PDF and XPT files to the PCORnet DRN OC via the DRN Query Tool.