

Table IA. Demographic Summary

This table contains general descriptive information about the patients in the DEMOGRAPHIC table. These patients may or may not be represented in other CDM tables.

	N	%	Source table
Patients	1,051,677		DEM_L3_N
Age			DEM_L3_AGEYRSDIST1
Mean	41		
Median	39		
Age group			DEM_L3_AGEYRSDIST2
0-4	39,234	3.7	
5-14	101,591	9.7	
15-21	85,206	8.1	
22-64	626,686	59.6	
65+	198,960	18.9	
Missing	0	0.0	
Hispanic			DEM_L3_HISPDIST
N (No)	819,404	77.9	
Y (Yes)	137,114	13.0	
Missing or Refused	95,159	9.0	
Sex			DEM_L3_SEXDIST
F (Female)	557,603	53.0	
M (Male)	494,015	47.0	
Missing or Ambiguous	59	0.0	
Race			DEM_L3_RACEDIST
White	786,151	74.8	
Non-White	69,568	6.6	
Missing or Refused	195,958	18.7	

The four 'flavors of null' defined in the CDM are combined in the missing categories shown here, but details are available in the source tables.

Cell counts between 1 and the low-cell count threshold are displayed as BT and treated as missing.

Sums which include BT values are marked with an asterisk (*), either accompanying the sum of all above-threshold values or alone if all values are BT.

Age is calculated as current age or age at death if death date is known. If multiple death records exist, the earlier death date is used.

Percentages are sums of the percentages in the source table and are subject to rounding errors.

Race distribution is shown for all patients and for patients seen after Meaningful Use standards were widely implemented.

Table IA. Demographic Summary (continued)

This table contains general descriptive information about the patients in the DEMOGRAPHIC table. These patients may or may not be represented in other CDM tables.

	N	%	Source table
Race among patients with at least 1 encounter after December 2011			XTBL_L3_RACE_ENC
White	760,110	75.5	
Non-White	67,233	6.7	
Missing or Refused	179,933	17.9	
Gender Identity			DEM_L3_GENDERDIST
GQ (Genderqueer/Non-Binary)	0	0.0	
M (Man)	22,328	2.1	
W (Woman)	31,231	3.0	
MU (Multiple gender categories), SE (Something else), TF (Transgender female/Trans woman/Male-to-female), or TM (Transgender male/Trans man/Female-to-male)	602	0.0	
Missing or Refused	997,516	94.8	
Sexual Orientation			DEM_L3_ORIENTDIST
Bisexual	0	0.0	
Gay	0	0.0	
Lesbian	0	0.0	
Queer	0	0.0	
Straight	0	0.0	
AS (Asexual), MU (Multiple sexual orientations), SE (Something else), QS (Questioning)	0	0.0	
Missing or Refused	1,051,677	100.0	

The four 'flavors of null' defined in the CDM are combined in the missing categories shown here, but details are available in the source tables.

Cell counts between 1 and the low-cell count threshold are displayed as BT and treated as missing.

Sums which include BT values are marked with an asterisk (*), either accompanying the sum of all above-threshold values or alone if all values are BT.

Age is calculated as current age or age at death if death date is known. If multiple death records exist, the earlier death date is used.

Percentages are sums of the percentages in the source table and are subject to rounding errors.

Race distribution is shown for all patients and for patients seen after Meaningful Use standards were widely implemented.

Table IB. Potential Pools of Patients

This table illustrates the number of patients meeting different inclusion criteria and supports Data Check 3.04 (less than 50% of patients with encounters have DIAGNOSIS records) and Data Check 3.05 (less than 50% of patients with encounters have PROCEDURES records). Data check exceptions are highlighted in red and must be corrected.

Metric	Metric Description	Result	Source table
Potential pool of patients for observational studies	Number of unique patients with at least 1 ED, EI, IP, OS, or AV encounter within the past 5 years	841,460	ENC_L3_DASH2
Potential pool of patients for trials	Number of unique patients with at least 1 ED, EI, IP, OS, or AV encounter within the past 1 year	404,131	ENC_L3_DASH2
Potential pool of patients for studies requiring data on diagnoses, vital measures and (a) medications or (b) medications and lab results	Number of unique patients with at least 1 encounter and DIAGNOSIS and VITAL records within the past 5 years	865,748	XTBL_L3_DASH1
	Number of unique patients with at least 1 encounter and DIAGNOSIS, VITAL, and PRESCRIBING or DISPENSING records within the past 5 years	671,281	XTBL_L3_DASH2
	Number of unique patients with at least 1 encounter and DIAGNOSIS, VITAL, PRESCRIBING or DISPENSING, and LAB_RESULT_CM records within the past 5 years	408,824	XTBL_L3_DASH3
Patients with diagnosis data	Percentage of patients with encounters who have at least 1 diagnosis	100%	ENC_L3_N; DIA_L3_N
Patients with procedure data	Percentage of patients with encounters who have at least 1 procedure	99%	ENC_L3_N; PRO_L3_N

Cell counts between 1 and the low-cell count threshold are displayed as BT and treated as missing.

Sums which include BT values are marked with an asterisk (*), either accompanying the sum of all above-threshold values or alone if all values are BT.

Table IC. Height, Weight, and Body Mass Index

This table contains descriptive statistics and frequencies of VITAL measurements.

	Result	%	Source table
Height measurements			VIT_L3_HT_DIST
Records	6,027,915		
Height (inches), mean	64		
Height (inches), median	66		
Weight measurements			VIT_L3_WT_DIST
Records	6,973,900		
Weight (lbs.), mean	173		
Weight (lbs.), median	170		
Body Mass Index (BMI) measurements			VIT_L3_BMI
Records	6,258,685		
BMI <=25	2,595,811	41.5	
BMI 26-30	1,694,233	27.1	
BMI >=31	1,968,641	31.5	

Cell counts between 1 and the low-cell count threshold are displayed as BT and treated as missing.

Sums which include BT values are marked with an asterisk (*), either accompanying the sum of all above-threshold values or alone if all values are BT.

Table ID. Records, Patients, Encounters, and Date Ranges by Table

This table contains summary counts, date ranges, and distinct encounters where applicable for each characterized table. The total number of records in each table is also displayed. In most cases this will be identical to the number of characterized records, but may differ slightly because of the lookback date restriction.

Table	All Data	Characterized Data			Characterized Data Range			Source Tables
	Records	Records	Patients	Encounters	Field name	5th Percentile	95th Percentile	
DEMOGRAPHIC	1,051,677	1,051,677	1,051,677	---	BIRTH_DATE	1939_May	2013_Sep	DEM_L3_N; XTBL_L3_DATES
ENROLLMENT	1,051,677	1,051,677	1,051,677	---	ENR_START_DATE	2011_Feb	2019_Jun	ENR_L3_N; XTBL_L3_DATES
ENCOUNTER	14,952,684	14,952,684	1,042,961	14,952,684	ADMIT_DATE	2011_Sep	2019_Sep	ENC_L3_N; XTBL_L3_DATES
DIAGNOSIS	55,214,842	55,214,842	1,039,503	14,217,799	ADMIT_DATE	2011_Oct	2019_Sep	DIA_L3_N; XTBL_L3_DATES
PROCEDURES	51,235,756	51,235,756	1,032,869	13,691,624	ADMIT_DATE	2011_Aug	2019_Aug	PRO_L3_N; XTBL_L3_DATES
DEATH	28,798	28,798	26,083	---	DEATH_DATE	2011_Sep	2019_Oct	DEATH_L3_N; XTBL_L3_DATES
VITAL	9,497,080	9,497,080	1,004,409	9,497,080	MEASURE_DATE	2011_Nov	2019_Sep	VIT_L3_N; XTBL_L3_DATES
LAB_RESULT_CM	98,360,554	98,360,554	569,094	3,521,126	RESULT_DATE	2011_Sep	2019_Aug	LAB_L3_N; XTBL_L3_DATES
PRESCRIBING	33,405,870	33,405,870	803,829	5,311,658	RX_ORDER_DATE	2011_Sep	2019_Sep	PRES_L3_N; XTBL_L3_DATES
DISPENSING	2,959,236	2,959,236	275,800	---	DISPENSE_DATE	2014_May	2019_Aug	DISP_L3_N; XTBL_L3_DATES
CONDITION	2,336,049	2,336,049	567,667	1,434,015	REPORT_DATE	2012_May	2019_Aug	COND_L3_N; XTBL_L3_DATES
PRO_CM	272	272	46	46	PRO_DATE	2016_Aug	2017_Apr	PROCM_L3_N; XTBL_L3_DATES
PROVIDER	5,927	5,927	---	---	---	---	---	PROV_L3_N
MED_ADMIN	25,459,915	25,459,915	398,854	1,460,259	MEDADMIN_START_DATE	2014_Sep	2019_Sep	MEDADM_L3_N; XTBL_L3_DATES
PCORNET_TRIAL	480	480	480	---	---	---	---	TRIAL_L3_N
LDS_ADDRESS_HISTORY	1,786,203	1,786,203	1,040,654	---	---	---	---	LDSADRS_L3_N
IMMUNIZATION	2,382,762	2,382,762	383,094	783,704	VX_RECORD_DATE	2017_May	2019_Nov	IMMUNE_L3_N; XTBL_L3_DATES

The source for the total number of records is the DATAMART_ALL table.

Cell counts between 1 and the low-cell count threshold are displayed as BT and treated as missing.

Records are the sum of ALL_N and NULL_N for the field which is the primary key for the table. Patients are the sum of DISTINCT_N and NULL_N for the PATID field. Encounters are the sum of DISTINCT_N and NULL_N for the ENCOUNTERID field.

Table IE. Records Per Table By Encounter Type

This table contains record counts by encounter type for the ENCOUNTER, DIAGNOSIS, and PROCEDURES tables.

Encounter Type	ENCOUNTER		DIAGNOSIS		PROCEDURES	
	N	%	N	%	N	%
AV (Ambulatory Visit)	14,270,133	95.4	44,286,494	80.2	38,159,667	74.5
ED (Emergency Dept)	368,442	2.5	1,940,112	3.5	3,162,420	6.2
EI (ED to IP Stay)	76,287	0.5	3,149,350	5.7	3,578,194	7.0
IC (Institutional Professional Consult)	0		0		0	
IP (Inpatient Hospital Stay)	237,772	1.6	5,838,877	10.6	6,335,465	12.4
IS (Non-acute Institutional Stay)	0		0		0	
OA (Other Ambulatory Visit)	0		0		0	
OS (Observation Stay)	0		0		0	
Missing, NI, UN or OT	50	0.0	9	0.0	10	0.0
Total	14,952,684		55,214,842		51,235,756	
Source table	ENC_L3_ENCTYPE		DIA_L3_ENCTYPE		PRO_L3_ENCTTPE	

Cell counts between 1 and the low-cell count threshold are displayed as BT and treated as missing.

Table IG. Lab Results For Selected Lab Tests

This table illustrates the number of records and number of unique patients for 30 high volume data curation lab groups, and the percentage of patients in the ENCOUNTER table who have these results. Although there is not a required relationship between the ENCOUNTER and LAB_RESULT_CM tables, patients with encounters are the most relevant denominator for this table. Version 3.2 of the data curation lab groups includes 490 concepts of interest to the Collaborative Research Groups (CRGs). Groups were constructed based on the LOINC attributes of COMPONENT, SYSTEM, and, if necessary, TIME, METHOD and CLASS. More information about the data curation lab groups is available on the Data Curation home page (<https://pcornet.imeetcentral.com/p/aQAAAAACjjsH>).

DC_LAB_GROUP	Records	Percentage of records in the LAB_RESULT_CM table with a LAB_LOINC code	Patients	Percentage of patients in the ENCOUNTER table	Source tables
ALBUMIN B/S/P	1,679,798	1.7	356,268	34.2	LAB_L3_DCGROUP;ENC_L3_N
ALP TOTAL	1,555,918	1.6	349,900	33.5	LAB_L3_DCGROUP;ENC_L3_N
ALT	1,587,057	1.6	351,697	33.7	LAB_L3_DCGROUP;ENC_L3_N
AST	1,599,420	1.6	352,466	33.8	LAB_L3_DCGROUP;ENC_L3_N
BASOPHILS ABSOLUTE	1,471,864	1.5	350,397	33.6	LAB_L3_DCGROUP;ENC_L3_N
BILIRUBIN TOTAL B/S/P	1,608,179	1.6	365,897	35.1	LAB_L3_DCGROUP;ENC_L3_N
BUN	2,639,606	2.7	402,978	38.6	LAB_L3_DCGROUP;ENC_L3_N
CALCIUM B/S/P	2,679,135	2.7	404,055	38.7	LAB_L3_DCGROUP;ENC_L3_N
CHLORIDE B/S/P	2,652,791	2.7	404,210	38.8	LAB_L3_DCGROUP;ENC_L3_N
CHOLESTEROL-LDL ABSOLUTE	445,305	0.5	193,917	18.6	LAB_L3_DCGROUP;ENC_L3_N
CREATININE B/S/P	2,725,750	2.8	408,491	39.2	LAB_L3_DCGROUP;ENC_L3_N
EGFR	5	0.0	5	0.0	LAB_L3_DCGROUP;ENC_L3_N
GLUCOSE B/S/P	3,027,741	3.1	423,217	40.6	LAB_L3_DCGROUP;ENC_L3_N
HEMATOCRIT	2,596,374	2.6	424,743	40.7	LAB_L3_DCGROUP;ENC_L3_N
HEMOGLOBIN A1C	455,867	0.5	171,894	16.5	LAB_L3_DCGROUP;ENC_L3_N
HEMOGLOBIN B/S/P	2,555,387	2.6	431,278	41.4	LAB_L3_DCGROUP;ENC_L3_N
INR	733,427	0.7	115,933	11.1	LAB_L3_DCGROUP;ENC_L3_N
LYMPHOCYTES ABSOLUTE	1,356,564	1.4	309,358	29.7	LAB_L3_DCGROUP;ENC_L3_N
MCH	2,491,373	2.5	420,930	40.4	LAB_L3_DCGROUP;ENC_L3_N
MCHC	2,491,410	2.5	420,933	40.4	LAB_L3_DCGROUP;ENC_L3_N
MCV	2,491,673	2.5	420,965	40.4	LAB_L3_DCGROUP;ENC_L3_N
MONOCYTES ABSOLUTE	3,087,608	3.1	372,331	35.7	LAB_L3_DCGROUP;ENC_L3_N
NEUTROPHILS ABSOLUTE	0		0		LAB_L3_DCGROUP;ENC_L3_N

Cell counts between 1 and the low-cell count threshold are displayed as BT and treated as missing.

Number of LAB_RESULT_CM records with a LAB_LOINC can be found in Table IVI.

Number of patients in the ENCOUNTER table is the DISTINCT_N for the PATID field in the ENC_L3_N query.

Table IG. Lab Results For Selected Lab Tests (continued)

This table illustrates the number of records and number of unique patients for 30 high volume data curation lab groups, and the percentage of patients in the ENCOUNTER table who have these results. Although there is not a required relationship between the ENCOUNTER and LAB_RESULT_CM tables, patients with encounters are the most relevant denominator for this table. Version 3.2 of the data curation lab groups includes 490 concepts of interest to the Collaborative Research Groups (CRGs). Groups were constructed based on the LOINC attributes of COMPONENT, SYSTEM, and, if necessary, TIME, METHOD and CLASS. More information about the data curation lab groups is available on the Data Curation home page (<https://pcorntet.imeetcentral.com/p/aQAAAAACjjsH>).

DC_LAB_GROUP	Records	Percentage of records in the LAB_RESULT_CM table with a LAB_LOINC code	Patients	Percentage of patients in the ENCOUNTER table	Source tables
PLATELETS	2,522,272	2.6	421,100	40.4	LAB_L3_DCGROUP;ENC_L3_N
POTASSIUM B/S/P	2,680,330	2.7	404,525	38.8	LAB_L3_DCGROUP;ENC_L3_N
RBC B/S/P	2,492,009	2.5	421,015	40.4	LAB_L3_DCGROUP;ENC_L3_N
RDW	2,480,156	2.5	419,019	40.2	LAB_L3_DCGROUP;ENC_L3_N
SODIUM B/S/P	2,725,062	2.8	404,235	38.8	LAB_L3_DCGROUP;ENC_L3_N
TOTAL CO2	2,652,312	2.7	404,205	38.8	LAB_L3_DCGROUP;ENC_L3_N
WBC B/S/P	2,498,410	2.5	421,357	40.4	LAB_L3_DCGROUP;ENC_L3_N

Cell counts between 1 and the low-cell count threshold are displayed as BT and treated as missing.

Number of LAB_RESULT_CM records with a LAB_LOINC can be found in Table IVI.

Number of patients in the ENCOUNTER table is the DISTINCT_N for the PATID field in the ENC_L3_N query.

Table IIID. Encounters Per Visit and Per Patient

This table shows the number of encounters, patients, encounters per patient, visits (unique encounters per patient, provider, encounter type, and day), and encounters per visit by encounter type. These data support Data Check 2.04 (the average number of encounters per visit is > 2.0 for inpatient (IP), emergency department (ED), or ED to inpatient (EI) encounters). A high number of encounters per visit may signal potential redundancy or duplication. Data check exceptions are highlighted in blue and should be investigated and explained in the ETL ADD.

Encounter Type	Encounters	Patients	Encounters per Patient	Encounters with known PROVIDERID	Visit (unique combinations of PATID, ENC_TYPE, ADMIT_DATE, and PROVIDERID)	Encounters with known PROVIDERID per visit	Source table
AV (Ambulatory Visit)	14,270,133	965,547	14.8	13,749,712	12,313,738	1.12	ENC_L3_ENCTYPE
ED (Emergency Dept)	368,442	181,189	2.0	359,682	358,416	1.00	ENC_L3_ENCTYPE
EI (ED to IP Stay)	76,287	51,108	1.5	76,062	76,059	1.00	ENC_L3_ENCTYPE
IC (Institutional Professional Consult)	0	0		0	0		ENC_L3_ENCTYPE
IP (Inpatient Hospital Stay)	237,772	168,182	1.4	236,491	236,377	1.00	ENC_L3_ENCTYPE
IS (Non-acute Institutional Stay)	0	0		0	0		ENC_L3_ENCTYPE
OA (Other Ambulatory Visit)	0	0		0	0		ENC_L3_ENCTYPE
OS (Observation Stay)	0	0		0	0		ENC_L3_ENCTYPE
Missing, NI, UN or OT	50	50	1.0	2	2	1.00	ENC_L3_ENCTYPE

Cell counts between 1 and the low-cell count threshold are displayed as BT and treated as missing.

Sums which include BT values are marked with an asterisk (*), either next to the sum of the above-threshold values or alone if all values are BT.