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	1,482,345		DEM_L3_N
Age			DEM_L3_AGEYRSDIST1
Mean	48		
Median	49		
Age group			DEM_L3_AGEYRSDIST2
0-4	43,112	2.9	
5-14	117,992	8.0	
15-21	99,515	6.7	
22-64	774,786	52.3	
65+	446,940	30.1	
Missing	0	0.0	
Hispanic			DEM_L3_HISPDIST
N (No)	831,092	56.1	
Y (Yes)	71,289	4.8	
Missing or Refused	579,964	39.1	
Sex			DEM_L3_SEXDIST
F (Female)	784,602	52.9	
M (Male)	689,102	46.5	
Missing or Ambiguous	8,641	0.6	
Race			DEM_L3_RACEDIST
White	771,260	52.0	
Non-White	106,989	7.1	
Missing or Refused	604,096	40.7	

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	599,388	78.4	
Non-White	91,396	12.0	
Missing or Refused	73,893	9.7	
Gender Identity			DEM_L3_GENDERDIST
GQ (Genderqueer/Non-Binary)	0	0.0	
M (Man)	0	0.0	
W (Woman)	0	0.0	
MU (Multiple gender categories), SE (Something else), TF (Transgender female/Trans woman/Male-to-female), or TM (Transgender male/Trans man/Female-to-male)	0	0.0	
Missing or Refused	1,482,345	100.0	
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	1,482,345	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	636,505	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	321,669	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	650,843	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	580,970	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	402,017	XTBL_L3_DASH3
Patients with diagnosis data	Percentage of patients with encounters who have at least 1 diagnosis	96%	ENC_L3_N; DIA_L3_N
Patients with procedure data	Percentage of patients with encounters who have at least 1 procedure	96%	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	6,264,437		
Height (inches), mean	65		
Height (inches), median	66		
Weight measurements			VIT_L3_WT_DIST
Records	9,070,882		
Weight (lbs.), mean	177		
Weight (lbs.), median	177		
Body Mass Index (BMI) measurements			VIT_L3_BMI
Records	11,964,781		
BMI <=25	3,739,095	31.3	
BMI 26-30	3,266,232	27.3	
BMI >=31	4,959,454	41.5	

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 Records	Characterized Data Records	Patients	Encounters	Field name	Characterized Data Range 5th Percentile	95th Percentile	Source Tables
DEMOGRAPHIC	1,482,345	1,482,345	1,482,345	---	BIRTH_DATE	1918_Apr	2012_May	DEM_L3_N; XTBL_L3_DATES
ENROLLMENT	184,894	184,894	184,894	---	ENR_START_DATE	2017_Jan	2019_May	ENR_L3_N; XTBL_L3_DATES
ENCOUNTER	9,205,347	9,205,347	764,677	9,205,347	ADMIT_DATE	2013_Jan	2019_Oct	ENC_L3_N; XTBL_L3_DATES
DIAGNOSIS	18,031,848	18,031,848	732,334	7,957,959	ADMIT_DATE	2013_Jan	2019_Oct	DIA_L3_N; XTBL_L3_DATES
PROCEDURES	32,438,290	32,438,290	737,590	6,643,134	ADMIT_DATE	2012_Dec	2019_Sep	PRO_L3_N; XTBL_L3_DATES
DEATH	252,886	252,886	252,886	---	DEATH_DATE	2001_Feb	2018_Jun	DEATH_L3_N; XTBL_L3_DATES
VITAL	41,621,029	41,618,516	831,327	5,818,907	MEASURE_DATE	2012_Jan	2019_Sep	VIT_L3_N; XTBL_L3_DATES
LAB_RESULT_CM	256,633,819	242,895,295	783,972	1,501,462	RESULT_DATE	2002_Jan	2019_Jul	LAB_L3_N; XTBL_L3_DATES
PRESCRIBING	24,815,834	24,815,834	584,809	4,181,433	RX_ORDER_DATE	2013_Jan	2019_Oct	PRES_L3_N; XTBL_L3_DATES
DISPENSING	39,597,530	39,597,530	571,444	---	DISPENSE_DATE	2012_May	2019_Aug	DISP_L3_N; XTBL_L3_DATES
CONDITION	5,383,044	5,162,466	659,192	835,992	REPORT_DATE	2003_Aug	2019_Aug	COND_L3_N; XTBL_L3_DATES
PRO_CM	3,179,007	3,179,007	570,416	2,171,121	PRO_DATE	2013_Oct	2019_Oct	PROCM_L3_N; XTBL_L3_DATES
PROVIDER	80,046	80,046	---	---	---	---	---	PROV_L3_N
MED_ADMIN	41,168,800	41,168,800	417,221	1,382,693	MEDADMIN_START_DATE	2013_Jan	2019_Sep	MEDADM_L3_N; XTBL_L3_DATES
OBS_CLIN	334,273,136	334,196,568	810,411	5,905,246	OBSCLIN_DATE	2012_Dec	2019_Sep	OBSCLIN_L3_N; XTBL_L3_DATES
OBS_GEN	803,670	803,670	717,731	20,495	OBSGEN_DATE	2012_Mar	2020_Jan	OBSGEN_L3_N; XTBL_L3_DATES
PCORNET_TRIAL	73	73	73	---	---	---	---	TRIAL_L3_N
LDS_ADDRESS_HISTORY	1,432,210	1,432,210	1,432,210	---	---	---	---	LDSADRS_L3_N
IMMUNIZATION	2,820,049	2,820,049	333,179	477,781	VX_RECORD_DATE	2012_Mar	2019_Oct	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)	4,961,111	53.9	12,205,325	67.7	8,876,734	27.4
ED (Emergency Dept)	552,457	6.0	810,208	4.5	3,352,262	10.3
EI (ED to IP Stay)	118,535	1.3	675,820	3.7	7,440,383	22.9
IC (Institutional Professional Consult)	0		0		0	
IP (Inpatient Hospital Stay)	370,658	4.0	785,179	4.4	9,354,397	28.8
IS (Non-acute Institutional Stay)	20	0.0	1	0.0	4	0.0
OA (Other Ambulatory Visit)	3,151,157	34.2	3,395,333	18.8	2,255,126	7.0
OS (Observation Stay)	51,409	0.6	159,982	0.9	1,159,384	3.6
Missing, NI, UN or OT	0		0		0	
Total	9,205,347		18,031,848		32,438,290	
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	3,167,127	1.3	455,958	59.6	LAB_L3_DCGROUP;ENC_L3_N
ALP TOTAL	3,017,956	1.2	438,045	57.3	LAB_L3_DCGROUP;ENC_L3_N
ALT	3,138,209	1.3	455,153	59.5	LAB_L3_DCGROUP;ENC_L3_N
AST	3,054,810	1.3	439,912	57.5	LAB_L3_DCGROUP;ENC_L3_N
BASOPHILS ABSOLUTE	3,874,791	1.6	496,879	65.0	LAB_L3_DCGROUP;ENC_L3_N
BILIRUBIN TOTAL B/S/P	3,130,141	1.3	464,302	60.7	LAB_L3_DCGROUP;ENC_L3_N
BUN	5,436,533	2.2	540,020	70.6	LAB_L3_DCGROUP;ENC_L3_N
CALCIUM B/S/P	5,341,191	2.2	535,789	70.1	LAB_L3_DCGROUP;ENC_L3_N
CHLORIDE B/S/P	5,487,189	2.3	537,161	70.2	LAB_L3_DCGROUP;ENC_L3_N
CHOLESTEROL-LDL ABSOLUTE	731,426	0.3	215,035	28.1	LAB_L3_DCGROUP;ENC_L3_N
CREATININE B/S/P	5,502,221	2.3	546,543	71.5	LAB_L3_DCGROUP;ENC_L3_N
EGFR	9,073,784	3.7	483,135	63.2	LAB_L3_DCGROUP;ENC_L3_N
GLUCOSE B/S/P	10,691,230	4.4	581,734	76.1	LAB_L3_DCGROUP;ENC_L3_N
HEMATOCRIT	5,499,467	2.3	565,095	73.9	LAB_L3_DCGROUP;ENC_L3_N
HEMOGLOBIN A1C	501,168	0.2	142,532	18.6	LAB_L3_DCGROUP;ENC_L3_N
HEMOGLOBIN B/S/P	5,564,940	2.3	579,764	75.8	LAB_L3_DCGROUP;ENC_L3_N
INR	1,482,708	0.6	208,142	27.2	LAB_L3_DCGROUP;ENC_L3_N
LYMPHOCYTES ABSOLUTE	3,997,109	1.6	509,971	66.7	LAB_L3_DCGROUP;ENC_L3_N
MCH	243,822	0.1	56,724	7.4	LAB_L3_DCGROUP;ENC_L3_N
MCHC	4,818,534	2.0	550,412	72.0	LAB_L3_DCGROUP;ENC_L3_N
MCV	4,825,235	2.0	551,164	72.1	LAB_L3_DCGROUP;ENC_L3_N
MONOCYTES ABSOLUTE	3,925,160	1.6	503,134	65.8	LAB_L3_DCGROUP;ENC_L3_N
NEUTROPHILS ABSOLUTE	3,686,039	1.5	476,208	62.3	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://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
PLATELETS	5,042,564	2.1	562,053	73.5	LAB_L3_DCGROUP;ENC_L3_N
POTASSIUM B/S/P	5,589,990	2.3	539,602	70.6	LAB_L3_DCGROUP;ENC_L3_N
RBC B/S/P	4,854,467	2.0	554,817	72.6	LAB_L3_DCGROUP;ENC_L3_N
RDW	4,766,535	2.0	550,186	72.0	LAB_L3_DCGROUP;ENC_L3_N
SODIUM B/S/P	5,578,432	2.3	538,746	70.5	LAB_L3_DCGROUP;ENC_L3_N
TOTAL CO2	5,314,825	2.2	533,345	69.7	LAB_L3_DCGROUP;ENC_L3_N
WBC B/S/P	22,139	0.0	7,551	1.0	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 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)	4,961,111	587,486	8.4	4,899,547	4,886,801	1.00	ENC_L3_ENCTYPE
ED (Emergency Dept)	552,457	233,940	2.4	552,457	551,908	1.00	ENC_L3_ENCTYPE
EI (ED to IP Stay)	118,535	66,846	1.8	118,534	118,530	1.00	ENC_L3_ENCTYPE
IC (Institutional Professional Consult)	0	0		0	0		ENC_L3_ENCTYPE
IP (Inpatient Hospital Stay)	370,658	192,695	1.9	370,642	370,418	1.00	ENC_L3_ENCTYPE
IS (Non-acute Institutional Stay)	20	20	1.0	19	19	1.00	ENC_L3_ENCTYPE
OA (Other Ambulatory Visit)	3,151,157	345,460	9.1	2,806,105	2,764,257	1.02	ENC_L3_ENCTYPE
OS (Observation Stay)	51,409	38,313	1.3	51,408	51,404	1.00	ENC_L3_ENCTYPE
Missing, NI, UN or OT	0	0		0	0		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.