

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	3,095,250		DEM_L3_N
Age			DEM_L3_AGEYRSDIST1
Mean	36		
Median	33		
Age group			DEM_L3_AGEYRSDIST2
0-4	225,502	7.3	
5-14	478,515	15.4	
15-21	315,420	10.2	
22-64	1,627,164	52.6	
65+	448,649	14.5	
Missing	0	0.0	
Hispanic			DEM_L3_HISPDIST
N (No)	2,574,420	83.2	
Y (Yes)	373,931	12.1	
Missing or Refused	146,899	4.7	
Sex			DEM_L3_SEXDIST
F (Female)	1,598,906	51.7	
M (Male)	1,495,782	48.3	
Missing or Ambiguous	562	0.0	
Race			DEM_L3_RACEDIST
White	2,704,051	87.4	
Non-White	153,723	5.0	
Missing or Refused	237,476	7.7	

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	2,704,051	87.4	
Non-White	153,723	5.0	
Missing or Refused	237,476	7.7	
Gender Identity			DEM_L3_GENDERDIST
GQ (Genderqueer)	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	3,095,250	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	3,095,250	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.

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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 checks 3.04 (less than 50% of patients with encounters have DIAGNOSIS records) and 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	2,786,798	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	1,513,302	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	2,618,756	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	2,362,731	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	1,503,288	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

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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	12,122,410		
Height (inches), mean	59		
Height (inches), median	65		
Weight measurements			VIT_L3_WT_DIST
Records	18,155,965		
Weight (lbs.), mean	146		
Weight (lbs.), median	153		
Body Mass Index (BMI) measurements			VIT_L3_BMI
Records	15,577,027		
BMI <=25	6,843,715	43.9	
BMI 26-30	3,842,179	24.7	
BMI >=31	4,891,133	31.4	

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	3,095,250	3,095,250	3,095,250	---	BIRTH_DATE	1941_Mar	2015_Nov	DEM_L3_N; XTBL_L3_DATES
ENROLLMENT	5,006,447	5,006,447	3,095,250	---	ENR_START_DATE	2004_Oct	2018_Sep	ENR_L3_N; XTBL_L3_DATES
ENCOUNTER	58,961,254	58,961,254	3,095,250	58,961,254	ADMIT_DATE	2010_Aug	2019_Jan	ENC_L3_N; XTBL_L3_DATES
DIAGNOSIS	124,833,617	124,833,617	3,095,207	53,012,896	ADMIT_DATE	2010_Aug	2019_Jan	DIA_L3_N; XTBL_L3_DATES
PROCEDURES	194,804,485	194,804,485	3,065,009	52,717,275	ADMIT_DATE	2010_Aug	2019_Jan	PRO_L3_N; XTBL_L3_DATES
DEATH	79,598	79,598	79,598	---	DEATH_DATE	2013_Jun	2019_Mar	DEATH_L3_N; XTBL_L3_DATES
VITAL	79,649,174	79,649,174	2,844,051	0	MEASURE_DATE	2010_Oct	2019_Jan	VIT_L3_N; XTBL_L3_DATES
LAB_RESULT_CM	244,338,208	244,338,208	2,013,345	3,809,234	RESULT_DATE	2012_Jun	2019_Feb	LAB_L3_N; XTBL_L3_DATES
PRESCRIBING	111,372,633	111,372,633	2,733,642	4,236,244	RX_ORDER_DATE	2010_Nov	2019_Feb	PRES_L3_N; XTBL_L3_DATES
DISPENSING	44,893,324	44,893,324	968,169	---	DISPENSE_DATE	2010_Sep	2019_Jan	DISP_L3_N; XTBL_L3_DATES
CONDITION	17,172,002	17,172,002	2,241,304	0	REPORT_DATE	2012_Jun	2019_Feb	COND_L3_N; XTBL_L3_DATES
DEATH_CAUSE	48,771	48,771	15,932	---	---	---	---	DEATHC_L3_N
PROVIDER	30,236	30,236	---	---	---	---	---	PROV_L3_N
PCORNET_TRIAL	870	870	868	---	---	---	---	TRIAL_L3_N

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)	45,468,523	77.1	82,135,130	65.8	89,391,661	45.9
ED (Emergency Dept)	3,644,729	6.2	12,763,820	10.2	24,853,269	12.8
EI (ED to IP Stay)	0		0		0	
IC (Institutional Professional Consult)	0		0		0	
IP (Inpatient Hospital Stay)	1,711,886	2.9	13,338,315	10.7	52,871,298	27.1
IS (Non-acute Institutional Stay)	12,151	0.0	38,334	0.0	206,939	0.1
OA (Other Ambulatory Visit)	7,491,400	12.7	15,496,054	12.4	22,607,607	11.6
OS (Observation Stay)	0		0		0	
Missing, NI, UN or OT	632,565	1.1	1,061,964	0.9	4,873,711	2.5
Total	58,961,254		124,833,617		194,804,485	
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 3.1 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	5,971,354	2.4	1,312,580	42.4	LAB_L3_DCGROUP;ENC_L3_N
ALP TOTAL	5,577,404	2.3	1,300,067	42.0	LAB_L3_DCGROUP;ENC_L3_N
ALT	5,691,969	2.3	1,310,207	42.3	LAB_L3_DCGROUP;ENC_L3_N
AST	5,673,453	2.3	1,308,036	42.3	LAB_L3_DCGROUP;ENC_L3_N
BASOPHILS ABSOLUTE	5,433,283	2.2	1,344,708	43.4	LAB_L3_DCGROUP;ENC_L3_N
BILIRUBIN TOTAL B/S/P	5,931,375	2.4	1,443,913	46.6	LAB_L3_DCGROUP;ENC_L3_N
BUN	8,585,620	3.5	1,436,646	46.4	LAB_L3_DCGROUP;ENC_L3_N
CALCIUM B/S/P	8,449,018	3.5	1,409,869	45.5	LAB_L3_DCGROUP;ENC_L3_N
CHLORIDE B/S/P	8,596,714	3.5	1,437,103	46.4	LAB_L3_DCGROUP;ENC_L3_N
CHOLESTEROL-LDL ABSOLUTE	1,955,628	0.8	693,370	22.4	LAB_L3_DCGROUP;ENC_L3_N
CREATININE B/S/P	8,859,218	3.6	1,447,992	46.8	LAB_L3_DCGROUP;ENC_L3_N
EGFR	5,973,602	2.4	1,210,923	39.1	LAB_L3_DCGROUP;ENC_L3_N
GLUCOSE B/S/P	14,438,905	5.9	1,554,202	50.2	LAB_L3_DCGROUP;ENC_L3_N
HEMATOCRIT	8,784,201	3.6	1,550,310	50.1	LAB_L3_DCGROUP;ENC_L3_N
HEMOGLOBIN A1C	1,444,888	0.6	428,734	13.9	LAB_L3_DCGROUP;ENC_L3_N
HEMOGLOBIN B/S/P	8,993,074	3.7	1,595,816	51.6	LAB_L3_DCGROUP;ENC_L3_N
INR	1,881,939	0.8	356,423	11.5	LAB_L3_DCGROUP;ENC_L3_N
LYMPHOCYTES ABSOLUTE	0		0		LAB_L3_DCGROUP;ENC_L3_N
MCH	0		0		LAB_L3_DCGROUP;ENC_L3_N
MCHC	8,523,028	3.5	1,539,028	49.7	LAB_L3_DCGROUP;ENC_L3_N
MCV	8,114,744	3.3	1,523,737	49.2	LAB_L3_DCGROUP;ENC_L3_N
MONOCYTES ABSOLUTE	0		0		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 3.1 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	8,148,633	3.3	1,523,694	49.2	LAB_L3_DCGROUP;ENC_L3_N
POTASSIUM B/S/P	9,083,933	3.7	1,450,552	46.9	LAB_L3_DCGROUP;ENC_L3_N
RBC B/S/P	8,114,952	3.3	1,523,744	49.2	LAB_L3_DCGROUP;ENC_L3_N
RDW	8,108,568	3.3	1,523,669	49.2	LAB_L3_DCGROUP;ENC_L3_N
SODIUM B/S/P	8,814,419	3.6	1,442,187	46.6	LAB_L3_DCGROUP;ENC_L3_N
TOTAL CO2	8,857,367	3.6	1,443,137	46.6	LAB_L3_DCGROUP;ENC_L3_N
WBC B/S/P	8,118,074	3.3	1,523,925	49.2	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)	45,468,523	2,771,457	16.4	45,290,105	40,830,582	1.11	ENC_L3_ENCTYPE
ED (Emergency Dept)	3,644,729	1,351,833	2.7	3,640,330	3,637,566	1.00	ENC_L3_ENCTYPE
EI (ED to IP Stay)	0	0		0	0		ENC_L3_ENCTYPE
IC (Institutional Professional Consult)	0	0		0	0		ENC_L3_ENCTYPE
IP (Inpatient Hospital Stay)	1,711,886	905,918	1.9	1,711,827	1,708,697	1.00	ENC_L3_ENCTYPE
IS (Non-acute Institutional Stay)	12,151	4,898	2.5	12,151	12,135	1.00	ENC_L3_ENCTYPE
OA (Other Ambulatory Visit)	7,491,400	1,348,461	5.6	7,491,400	7,408,643	1.01	ENC_L3_ENCTYPE
OS (Observation Stay)	0	0		0	0		ENC_L3_ENCTYPE
Missing, NI, UN or OT	632,565	366,846	1.7	631,299	623,001	1.01	ENC_L3_ENCTYPE

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