

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	3,761,492		DEM_L3_N
Age			DEM_L3_AGEYRSDIST1
Mean	37		
Median	35		
Age group			DEM_L3_AGEYRSDIST2
0-4	234,616	6.2	
5-14	647,756	17.2	
15-21	378,883	10.1	
22-64	1,945,579	51.7	
65+	554,224	14.7	
Missing	434	0.0	
Hispanic			DEM_L3_HISPDIST
N (No)	1,417,911	37.7	
Y (Yes)	919,588	24.4	
Missing or Refused	1,423,993	37.8	
Sex			DEM_L3_SEXDIST
F (Female)	2,017,700	53.6	
M (Male)	1,705,548	45.3	
Missing or Ambiguous	38,244	1.0	
Race			DEM_L3_RACEDIST
White	1,634,758	43.5	
Non-White	592,977	15.8	
Missing or Refused	1,533,757	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	1,588,749	45.9	
Non-White	576,629	16.7	
Missing or Refused	1,299,466	37.4	
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	3,761,492	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	3,761,492	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 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	640,810	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	299,932	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	550,131	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	451,987	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	264,072	XTBL_L3_DASH3
Patients with diagnosis data	Percentage of patients with encounters who have at least 1 diagnosis	72%	ENC_L3_N; DIA_L3_N
Patients with procedure data	Percentage of patients with encounters who have at least 1 procedure	64%	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	4,700,738		
Height (inches), mean	67		
Height (inches), median	66		
Weight measurements			VIT_L3_WT_DIST
Records	5,156,638		
Weight (lbs.), mean	180		
Weight (lbs.), median	174		
Body Mass Index (BMI) measurements			VIT_L3_BMI
Records	5,094,910		
BMI <=25	1,860,032	36.5	
BMI 26-30	1,587,186	31.2	
BMI >=31	1,647,692	32.3	

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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	3,761,492	3,761,492	3,761,492	---	BIRTH_DATE	1942_Sep	2015_Nov	DEM_L3_N; XTBL_L3_DATES
ENROLLMENT	1,708,845	1,708,845	1,708,845	---	ENR_START_DATE	2010_Feb	2019_Mar	ENR_L3_N; XTBL_L3_DATES
ENCOUNTER	98,713,098	98,713,098	3,732,436	98,713,098	ADMIT_DATE	2010_Sep	2019_Aug	ENC_L3_N; XTBL_L3_DATES
DIAGNOSIS	184,969,000	184,969,000	2,695,822	52,240,023	ADMIT_DATE	2010_Dec	2019_Aug	DIA_L3_N; XTBL_L3_DATES
PROCEDURES	120,566,148	120,566,148	2,383,436	24,784,084	ADMIT_DATE	2010_Jul	2019_Jul	PRO_L3_N; XTBL_L3_DATES
DEATH	28,561	28,561	28,561	---	DEATH_DATE	2011_Jul	2019_Aug	DEATH_L3_N; XTBL_L3_DATES
VITAL	6,241,078	6,241,078	708,290	6,241,078	MEASURE_DATE	2010_Dec	2019_Oct	VIT_L3_N; XTBL_L3_DATES
LAB_RESULT_CM	132,704,961	132,704,878	520,738	3,493,237	RESULT_DATE	2010_Oct	2019_Jul	LAB_L3_N; XTBL_L3_DATES
PRESCRIBING	40,693,383	40,693,383	682,306	7,576,579	RX_ORDER_DATE	2010_Oct	2019_Sep	PRES_L3_N; XTBL_L3_DATES
DISPENSING	114,906,501	114,906,501	1,021,780	---	DISPENSE_DATE	2012_May	2019_Aug	DISP_L3_N; XTBL_L3_DATES
CONDITION	2,547,502	2,344,363	448,238	1,091,907	REPORT_DATE	2010_May	2019_Apr	COND_L3_N; XTBL_L3_DATES
PROVIDER	68,722	68,722	---	---	---	---	---	PROV_L3_N
MED_ADMIN	39,514,423	39,514,423	350,632	2,023,054	MEDADMIN_START_DATE	2010_Sep	2019_Aug	MEDADM_L3_N; XTBL_L3_DATES
PCORNET_TRIAL	23	23	23	---	---	---	---	TRIAL_L3_N
IMMUNIZATION	588,735	588,735	161,225	280,392	VX_RECORD_DATE	2008_Dec	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)	35,224,459	35.7	75,918,994	41.0	51,772,584	42.9
ED (Emergency Dept)	2,239,453	2.3	5,730,657	3.1	3,420,606	2.8
EI (ED to IP Stay)	0		0		0	
IC (Institutional Professional Consult)	0		0		0	
IP (Inpatient Hospital Stay)	998,114	1.0	11,023,169	6.0	21,968,071	18.2
IS (Non-acute Institutional Stay)	0		0		0	
OA (Other Ambulatory Visit)	9,943,551	10.1	3,437,158	1.9	421,441	0.3
OS (Observation Stay)	0		0		0	
Missing, NI, UN or OT	50,307,521	51.0	88,859,022	48.0	42,983,446	35.7
Total	98,713,098		184,969,000		120,566,148	
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	1,858,266	1.4	294,160	7.9	LAB_L3_DCGROUP;ENC_L3_N
ALP TOTAL	1,744,987	1.3	288,257	7.7	LAB_L3_DCGROUP;ENC_L3_N
ALT	1,769,366	1.3	290,424	7.8	LAB_L3_DCGROUP;ENC_L3_N
AST	1,765,874	1.3	291,244	7.8	LAB_L3_DCGROUP;ENC_L3_N
BASOPHILS ABSOLUTE	2,244,233	1.7	317,575	8.5	LAB_L3_DCGROUP;ENC_L3_N
BILIRUBIN TOTAL B/S/P	1,845,826	1.4	325,072	8.7	LAB_L3_DCGROUP;ENC_L3_N
BUN	3,284,656	2.5	379,184	10.2	LAB_L3_DCGROUP;ENC_L3_N
CALCIUM B/S/P	3,078,643	2.3	335,332	9.0	LAB_L3_DCGROUP;ENC_L3_N
CHLORIDE B/S/P	3,258,633	2.5	347,214	9.3	LAB_L3_DCGROUP;ENC_L3_N
CHOLESTEROL-LDL ABSOLUTE	512,322	0.4	184,974	5.0	LAB_L3_DCGROUP;ENC_L3_N
CREATININE B/S/P	3,336,687	2.5	364,728	9.8	LAB_L3_DCGROUP;ENC_L3_N
EGFR	6,419,825	4.8	385,908	10.3	LAB_L3_DCGROUP;ENC_L3_N
GLUCOSE B/S/P	4,862,976	3.7	356,088	9.5	LAB_L3_DCGROUP;ENC_L3_N
HEMATOCRIT	2,978,623	2.2	377,652	10.1	LAB_L3_DCGROUP;ENC_L3_N
HEMOGLOBIN A1C	402,195	0.3	131,893	3.5	LAB_L3_DCGROUP;ENC_L3_N
HEMOGLOBIN B/S/P	3,298,490	2.5	378,775	10.1	LAB_L3_DCGROUP;ENC_L3_N
INR	752,682	0.6	108,673	2.9	LAB_L3_DCGROUP;ENC_L3_N
LYMPHOCYTES ABSOLUTE	2,306,069	1.7	319,301	8.6	LAB_L3_DCGROUP;ENC_L3_N
MCH	2,853,867	2.2	346,422	9.3	LAB_L3_DCGROUP;ENC_L3_N
MCHC	2,853,471	2.2	346,298	9.3	LAB_L3_DCGROUP;ENC_L3_N
MCV	2,922,601	2.2	375,102	10.0	LAB_L3_DCGROUP;ENC_L3_N
MONOCYTES ABSOLUTE	2,291,055	1.7	318,878	8.5	LAB_L3_DCGROUP;ENC_L3_N
NEUTROPHILS ABSOLUTE	2,299,989	1.7	318,920	8.5	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://pcornt.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	2,889,500	2.2	341,026	9.1	LAB_L3_DCGROUP;ENC_L3_N
POTASSIUM B/S/P	3,295,273	2.5	348,103	9.3	LAB_L3_DCGROUP;ENC_L3_N
RBC B/S/P	2,936,218	2.2	375,175	10.1	LAB_L3_DCGROUP;ENC_L3_N
RDW	2,016,660	1.5	291,733	7.8	LAB_L3_DCGROUP;ENC_L3_N
SODIUM B/S/P	3,309,353	2.5	347,348	9.3	LAB_L3_DCGROUP;ENC_L3_N
TOTAL CO2	3,165,517	2.4	342,954	9.2	LAB_L3_DCGROUP;ENC_L3_N
WBC B/S/P	2,946,094	2.2	377,982	10.1	LAB_L3_DCGROUP;ENC_L3_N

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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)	35,224,459	1,825,490	19.3	0	0		ENC_L3_ENCTYPE
ED (Emergency Dept)	2,239,453	787,964	2.8	0	0		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)	998,114	399,111	2.5	0	0		ENC_L3_ENCTYPE
IS (Non-acute Institutional Stay)	0	0		0	0		ENC_L3_ENCTYPE
OA (Other Ambulatory Visit)	9,943,551	755,895	13.2	0	0		ENC_L3_ENCTYPE
OS (Observation Stay)	0	0		0	0		ENC_L3_ENCTYPE
Missing, NI, UN or OT	50,307,521	4,292,001	11.7	0	0		ENC_L3_ENCTYPE

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