

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	706,853		DEM_L3_N
Age			DEM_L3_AGEYRSDIST1
Mean	41		
Median	38		
Age group			DEM_L3_AGEYRSDIST2
0-4	27,366	3.9	
5-14	75,159	10.6	
15-21	61,141	8.6	
22-64	378,855	53.6	
65+	141,768	20.0	
Missing	22,564	3.2	
Hispanic			DEM_L3_HISPDIST
N (No)	0	0.0	
Y (Yes)	2,904	0.4	
Missing or Refused	703,949	99.6	
Sex			DEM_L3_SEXDIST
F (Female)	373,550	52.8	
M (Male)	331,092	46.8	
Missing or Ambiguous	2,211	0.3	
Race			DEM_L3_RACEDIST
White	582,280	82.4	
Non-White	63,526	9.0	
Missing or Refused	61,047	8.6	

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	543,053	83.3	
Non-White	59,319	9.1	
Missing or Refused	49,219	7.6	
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	706,853	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	706,853	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	472,229	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	239,109	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	451,591	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	263,821	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	189,322	XTBL_L3_DASH3
Patients with diagnosis data	Percentage of patients with encounters who have at least 1 diagnosis	94%	ENC_L3_N; DIA_L3_N
Patients with procedure data	Percentage of patients with encounters who have at least 1 procedure	90%	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	5,189,583		
Height (inches), mean	63		
Height (inches), median	66		
Weight measurements			VIT_L3_WT_DIST
Records	6,874,369		
Weight (lbs.), mean	165		
Weight (lbs.), median	162		
Body Mass Index (BMI) measurements			VIT_L3_BMI
Records	3,563,472		
BMI <=25	1,491,465	41.9	
BMI 26-30	792,449	22.2	
BMI >=31	1,279,558	35.9	

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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	706,853	706,853	706,853	---	BIRTH_DATE	1936_Sep	2014_Feb	DEM_L3_N; XTBL_L3_DATES
ENROLLMENT	706,853	706,853	706,853	---	ENR_START_DATE	2010_Jan	2019_Apr	ENR_L3_N; XTBL_L3_DATES
ENCOUNTER	13,484,764	13,484,764	706,853	13,484,764	ADMIT_DATE	2010_Jul	2019_Jul	ENC_L3_N; XTBL_L3_DATES
DIAGNOSIS	36,086,452	36,086,452	662,401	8,456,419	ADMIT_DATE	2011_Jun	2019_Jun	DIA_L3_N; XTBL_L3_DATES
PROCEDURES	24,497,961	24,497,961	638,519	7,003,826	ADMIT_DATE	2011_Jun	2019_Jun	PRO_L3_N; XTBL_L3_DATES
DEATH	35,012	35,012	28,737	---	DEATH_DATE	2010_Sep	2019_Jul	DEATH_L3_N; XTBL_L3_DATES
VITAL	23,553,584	23,553,568	606,889	5,787,293	MEASURE_DATE	2010_Sep	2019_Jul	VIT_L3_N; XTBL_L3_DATES
LAB_RESULT_CM	48,486,754	48,486,754	336,666	1,693,901	RESULT_DATE	2010_Jul	2019_Jul	LAB_L3_N; XTBL_L3_DATES
PRESCRIBING	13,207,591	13,207,591	320,853	1,056,155	RX_ORDER_DATE	2010_Sep	2019_Jul	PRES_L3_N; XTBL_L3_DATES
DISPENSING	2,023,713	2,023,713	133,057	---	DISPENSE_DATE	2015_Mar	2019_Sep	DISP_L3_N; XTBL_L3_DATES
PROVIDER	7,144	7,144	---	---	---	---	---	PROV_L3_N
MED_ADMIN	59,564,922	59,564,922	157,675	346,127	MEDADMIN_START_DATE	2010_Dec	2019_Jun	MEDADM_L3_N; XTBL_L3_DATES
PCORNET_TRIAL	178	178	178	---	---	---	---	TRIAL_L3_N
LDS_ADDRESS_HISTORY	665,218	665,218	665,213	---	---	---	---	LDSADRS_L3_N
IMMUNIZATION	624,931	624,931	165,605	433,200	VX_RECORD_DATE	2010_Dec	2019_Sep	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)	10,041,313	74.5	23,918,586	66.3	13,800,185	56.3
ED (Emergency Dept)	635,092	4.7	4,099,380	11.4	2,633,715	10.8
EI (ED to IP Stay)	0		0		0	
IC (Institutional Professional Consult)	0		0		0	
IP (Inpatient Hospital Stay)	265,828	2.0	6,213,642	17.2	6,667,591	27.2
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	2,542,531	18.9	1,854,844	5.1	1,396,470	5.7
Total	13,484,764		36,086,452		24,497,961	
Source table	ENC_L3_ENCTYPE		DIA_L3_ENCTYPE		PRO_L3_ENCTTPE	

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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	1,135,484	2.3	246,640	34.9	LAB_L3_DCGROUP;ENC_L3_N
ALP TOTAL	1,112,779	2.3	245,435	34.7	LAB_L3_DCGROUP;ENC_L3_N
ALT	1,114,250	2.3	245,578	34.7	LAB_L3_DCGROUP;ENC_L3_N
AST	1,115,031	2.3	245,555	34.7	LAB_L3_DCGROUP;ENC_L3_N
BASOPHILS ABSOLUTE	1,606,231	3.3	263,303	37.3	LAB_L3_DCGROUP;ENC_L3_N
BILIRUBIN TOTAL B/S/P	0		0		LAB_L3_DCGROUP;ENC_L3_N
BUN	1,876,765	3.9	273,491	38.7	LAB_L3_DCGROUP;ENC_L3_N
CALCIUM B/S/P	1,872,540	3.9	273,201	38.7	LAB_L3_DCGROUP;ENC_L3_N
CHLORIDE B/S/P	1,868,563	3.9	273,213	38.7	LAB_L3_DCGROUP;ENC_L3_N
CHOLESTEROL-LDL ABSOLUTE	233,953	0.5	93,872	13.3	LAB_L3_DCGROUP;ENC_L3_N
CREATININE B/S/P	1,883,255	3.9	274,460	38.8	LAB_L3_DCGROUP;ENC_L3_N
EGFR	0		0		LAB_L3_DCGROUP;ENC_L3_N
GLUCOSE B/S/P	4,100,128	8.5	288,852	40.9	LAB_L3_DCGROUP;ENC_L3_N
HEMATOCRIT	1,814,319	3.7	281,700	39.9	LAB_L3_DCGROUP;ENC_L3_N
HEMOGLOBIN A1C	205,435	0.4	71,773	10.2	LAB_L3_DCGROUP;ENC_L3_N
HEMOGLOBIN B/S/P	1,758,582	3.6	277,768	39.3	LAB_L3_DCGROUP;ENC_L3_N
INR	391,388	0.8	106,940	15.1	LAB_L3_DCGROUP;ENC_L3_N
LYMPHOCYTES ABSOLUTE	1,701,416	3.5	270,574	38.3	LAB_L3_DCGROUP;ENC_L3_N
MCH	1,671,352	3.4	276,049	39.1	LAB_L3_DCGROUP;ENC_L3_N
MCHC	1,671,521	3.4	276,048	39.1	LAB_L3_DCGROUP;ENC_L3_N
MCV	1,671,754	3.4	276,077	39.1	LAB_L3_DCGROUP;ENC_L3_N
MONOCYTES ABSOLUTE	1,524,622	3.1	259,199	36.7	LAB_L3_DCGROUP;ENC_L3_N
NEUTROPHILS ABSOLUTE	0		0		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 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://pcorner.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	1,684,644	3.5	276,179	39.1	LAB_L3_DCGROUP;ENC_L3_N
POTASSIUM B/S/P	1,895,675	3.9	273,378	38.7	LAB_L3_DCGROUP;ENC_L3_N
RBC B/S/P	1,677,619	3.5	276,089	39.1	LAB_L3_DCGROUP;ENC_L3_N
RDW	0		0		LAB_L3_DCGROUP;ENC_L3_N
SODIUM B/S/P	1,891,662	3.9	273,302	38.7	LAB_L3_DCGROUP;ENC_L3_N
TOTAL CO2	1,869,099	3.9	273,238	38.7	LAB_L3_DCGROUP;ENC_L3_N
WBC B/S/P	1,679,773	3.5	276,061	39.1	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)	10,041,313	590,276	17.0	10,041,313	9,277,935	1.08	ENC_L3_ENCTYPE
ED (Emergency Dept)	635,092	219,834	2.9	635,092	628,112	1.01	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)	265,828	146,440	1.8	265,828	265,300	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	2,542,531	346,253	7.3	2,542,531	2,328,896	1.09	ENC_L3_ENCTYPE

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