

**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	1,845,626		DEM_L3_N
Age			DEM_L3_AGEYRSDIST1
Mean	43		
Median	41		
Age group			DEM_L3_AGEYRSDIST2
0-4	36,128	1.9	
5-14	161,048	8.7	
15-21	178,354	9.7	
22-64	1,089,498	59.1	
65+	380,598	20.6	
Missing	0	0.0	
Hispanic			DEM_L3_HISPDIST
N (No)	886,079	48.0	
Y (Yes)	696,692	37.7	
Missing or Refused	262,855	14.2	
Sex			DEM_L3_SEXDIST
F (Female)	973,825	52.8	
M (Male)	866,596	47.0	
Missing or Ambiguous	5,205	0.3	
Race			DEM_L3_RACEDIST
White	1,371,084	74.3	
Non-White	176,610	9.5	
Missing or Refused	297,932	16.1	

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	1,009,002	78.0	
Non-White	128,071	9.9	
Missing or Refused	156,313	12.1	
Gender Identity			DEM_L3_GENDERDIST
GQ (Genderqueer/Non-Binary)	0	0.0	
M (Man)	27,746	1.5	
W (Woman)	42,438	2.3	
MU (Multiple gender categories), SE (Something else), TF (Transgender female/Trans woman/Male-to-female), or TM (Transgender male/Trans man/Female-to-male)	225	0.0	
Missing or Refused	1,775,217	96.2	
Sexual Orientation			DEM_L3_ORIENTDIST
Bisexual	1,571	0.1	
Gay	994	0.1	
Lesbian	804	0.0	
Queer	0	0.0	
Straight	49,148	2.7	
AS (Asexual), MU (Multiple sexual orientations), SE (Something else), QS (Questioning)	329	0.0	
Missing or Refused	1,792,770	97.1	

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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 2.09 (Less than 80% of patients with a face-to-face encounter during the past 5 years have at least 1 face-to-face diagnosis and 1 vital measurement), 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 to 3/04 and 3.05 are highlighted in red and must be corrected; data check exceptions to 2.09 are highlighted in blue and must be explained in the ETL ADD.

Metric	Metric Description	Result	Percent	Source table
All patients	Number of unique patients in the DEMOGRAPHIC table	1,845,626		DEM_L3_N
Potential pool of patients for observational studies	Number of unique patients with at least 1 face-to-face (ED, EI, IP, OS, or AV) encounter within the past 5 years	725,452	39%	ENC_L3_DASH2
Potential pool of patients for trials	Number of unique patients with at least 1 face-to-face (ED, EI, IP, OS, or AV) encounter within the past 1 year	261,039	14%	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 DIAGNOSIS face-to-face encounter and VITAL records within the past 5 years	500,082	69%	XTBL_L3_DASH1
	Number of unique patients with at least 1 DIAGNOSIS face-to-face encounter, VITAL, and PRESCRIBING or MED_ADMIN records within the past 5 years	365,292	50%	XTBL_L3_DASH2
	Number of unique patients with at least 1 DIAGNOSIS face-to-face encounter, VITAL, PRESCRIBING or MED_ADMIN, and LAB_RESULT_CM records within the past 5 years	263,720	36%	XTBL_L3_DASH3
Patients with diagnosis data	Percentage of patients with encounters who have at least 1 diagnosis	93%		ENC_L3_N; DIA_L3_N
Patients with procedure data	Percentage of patients with encounters who have at least 1 procedure	91%		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	13,791,916		
Height (inches), mean	63		
Height (inches), median	64		
Weight measurements			VIT_L3_WT_DIST
Records	22,289,192		
Weight (lbs.), mean	168		
Weight (lbs.), median	168		
Body Mass Index (BMI) measurements			VIT_L3_BMI
Records	2,878,791		
BMI <=25	909,051	31.6	
BMI 26-30	837,367	29.1	
BMI >=31	1,132,373	39.3	

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**Table 1D. Records, Refresh Dates, Patients, Encounters, and Date Ranges by Table**

This table displays record counts and refresh dates for all populated tables, and summary counts and date ranges for the characterized data. The characterized data may be a subset of all data for all tables except for DEMOGRAPHIC, DEATH\_CAUSE, HASH\_TOKEN, LAB\_HISTORY, LDS\_ADDRESS\_HISTORY, and PROVIDER. Differences are due to the lookback date restriction and/or the exclusion of LOINC codes that may contain PII from the OBS\_CLIN, OBS\_GEN, LAB\_RESULT\_CM and PRO\_CM tables. These data support Data Check 1.18 (table refresh dates are not documented). Data check exceptions are highlighted in red and must be corrected.

Table	All Data		Characterized Data			Characterized Data Range			Source Tables
	Records	Refresh Date	Records	Patients	Encounters	Field name	5th Percentile	95th Percentile	
DEMOGRAPHIC	1,845,626	20OCT2023	1,845,626	1,845,626	---	BIRTH_DATE	1940_Feb	2014_Mar	DEM_L3_N; XTBL_L3_DATES
ENROLLMENT	1,040,124	20OCT2023	784,279	784,279	---	ENR_START_DATE^	2005_Oct	2022_May	ENR_L3_N; XTBL_L3_DATES
ENCOUNTER	35,531,512	20OCT2023	23,592,514	1,293,386	23,592,514	ADMIT_DATE	2014_May	2023_Mar	ENC_L3_N; XTBL_L3_DATES
DIAGNOSIS	77,359,941	20OCT2023	53,733,710	1,202,518	18,030,563	ADMIT_DATE	2014_Apr	2023_Mar	DIA_L3_N; XTBL_L3_DATES
PROCEDURES	63,964,046	20OCT2023	41,044,971	1,175,603	16,263,284	ADMIT_DATE	2014_May	2023_Jan	PRO_L3_N; XTBL_L3_DATES
DEATH	69,284	20OCT2023	69,284	69,284	---	DEATH_DATE	2014_Apr	2022_Dec	DEATH_L3_N; XTBL_L3_DATES
VITAL	46,801,824	20OCT2023	29,820,821	927,997	8,684,976	MEASURE_DATE	2014_Apr	2020_Oct	VIT_L3_N; XTBL_L3_DATES
LAB_RESULT_CM	200,545,022	20OCT2023	111,533,963	602,630	3,549,527	RESULT_DATE	2014_Apr	2022_Feb	LAB_L3_N; XTBL_L3_DATES
PRESCRIBING	17,650,077	20OCT2023	11,954,465	659,690	5,543,719	RX_ORDER_DATE	2014_Apr	2022_Dec	PRES_L3_N; XTBL_L3_DATES

^The lookback date for ENROLLMENT considers either ENR\_START\_DATE or ENR\_END\_DATE, but only ENR\_START\_DATE is displayed here. Descriptive statistics for ENR\_END\_DATE are available in the XTBL\_L3\_DATES dataset.

In the All Data columns, records comes from the DATAMART\_ALL table and Refresh Date comes from the XTBL\_L3\_REFRESH\_DATE 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 1D. Records, Refresh Dates, Patients, Encounters, and Date Ranges by Table (continued - page 2 of 3)

This table displays record counts and refresh dates for all populated tables, and summary counts and date ranges for the characterized data. The characterized data may be a subset of all data for all tables except for DEMOGRAPHIC, DEATH\_CAUSE, HASH\_TOKEN, LAB\_HISTORY, LDS\_ADDRESS\_HISTORY, and PROVIDER. Differences are due to the lookback date restriction and/or the exclusion of LOINC codes that may contain PII from the OBS\_CLIN, OBS\_GEN, LAB\_RESULT\_CM and PRO\_CM tables. These data support Data Check 1.18 (table refresh dates are not documented). Data check exceptions are highlighted in red and must be corrected.

Table	All Data		Characterized Data			Characterized Data Range			Source Tables
	Records	Refresh Date	Records	Patients	Encounters	Field name	5th Percentile	95th Percentile	
DISPENSING	32,039,122	20OCT2023	29,696,028	431,435	---	DISPENSE_DATE	2014_Sep	2023_Feb	DISP_L3_N; XTBL_L3_DATES
CONDITION	51,479,939	20OCT2023	47,635,259	1,041,719	14,906,259	REPORT_DATE	2014_Jul	2022_Oct	COND_L3_N; XTBL_L3_DATES
PROVIDER	24,501	20OCT2023	24,501	---	---	---	---	---	PROV_L3_N
MED_ADMIN	29,606,565	20OCT2023	23,154,626	226,044	560,095	MEDADMIN_ START_DATE	2014_Mar	2020_Mar	MEDADM_L3_N; XTBL_L3_DATES

^The lookback date for ENROLLMENT considers either ENR\_START\_DATE or ENR\_END\_DATE, but only ENR\_START\_DATE is displayed here. Descriptive statistics for ENR\_END\_DATE are available in the XTBL\_L3\_DATES dataset.

In the All Data columns, records comes from the DATAMART\_ALL table and Refresh Date comes from the XTBL\_L3\_REFRESH\_DATE 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 1D. Records, Refresh Dates, Patients, Encounters, and Date Ranges by Table (continued - page 3 of 3)

This table displays record counts and refresh dates for all populated tables, and summary counts and date ranges for the characterized data. The characterized data may be a subset of all data for all tables except for DEMOGRAPHIC, DEATH\_CAUSE, HASH\_TOKEN, LAB\_HISTORY, LDS\_ADDRESS\_HISTORY, and PROVIDER. Differences are due to the lookback date restriction and/or the exclusion of LOINC codes that may contain PII from the OBS\_CLIN, OBS\_GEN, LAB\_RESULT\_CM and PRO\_CM tables. These data support Data Check 1.18 (table refresh dates are not documented). Data check exceptions are highlighted in red and must be corrected.

Table	All Data		Characterized Data			Characterized Data Range			Source Tables
	Records	Refresh Date	Records	Patients	Encounters	Field name	5th Percentile	95th Percentile	
HASH_TOKEN	1,845,625	20OCT2023	1,845,625	1,845,625	---	---	---	---	HASH_L3_N
LDS_ADDRESS_HISTORY	25,567,313	20OCT2023	25,567,313	1,700,404	---	---	---	---	LDSADRS_L3_N
IMMUNIZATION	2,474,049	20OCT2023	916,721	179,256	474,235	VX_RECORD_DATE	2017_Mar	2023_Jun	IMMUNE_L3_N; XTBL_L3_DATES

^The lookback date for ENROLLMENT considers either ENR\_START\_DATE or ENR\_END\_DATE, but only ENR\_START\_DATE is displayed here. Descriptive statistics for ENR\_END\_DATE are available in the XTBL\_L3\_DATES dataset.

In the All Data columns, records comes from the DATAMART\_ALL table and Refresh Date comes from the XTBL\_L3\_REFRESH\_DATE 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)	15,650,972	66.3	40,111,319	74.6	25,703,914	62.6
ED (Emergency Dept)	967,214	4.1	2,588,521	4.8	2,447,148	6.0
EI (ED to IP Stay)	0		0		0	
IC (Institutional Professional Consult)	0		0		0	
IP (Inpatient Hospital Stay)	1,590,082	6.7	8,674,068	16.1	10,793,447	26.3
IS (Non-acute Institutional Stay)	2,613	0.0	0		0	
OA (Other Ambulatory Visit)	3,028,557	12.8	1,113,622	2.1	1,153,233	2.8
OS (Observation Stay)	36,563	0.2	125,538	0.2	466,365	1.1
TH (Telehealth)	276,576	1.2	770,959	1.4	259,547	0.6
Missing, NI, UN or OT	2,039,937	8.6	349,683	0.7	221,317	0.5
Total	23,592,514		53,733,710		41,044,971	
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 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)	15,650,972	1,102,306	14.2	11,312,914	10,938,834	1.03	ENC_L3_ENCTYPE
ED (Emergency Dept)	967,214	399,654	2.4	596,725	572,241	1.04	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)	1,590,082	449,732	3.5	322,790	302,824	1.07	ENC_L3_ENCTYPE
IS (Non-acute Institutional Stay)	2,613	1,639	1.6	2,613	2,606	1.00	ENC_L3_ENCTYPE
OA (Other Ambulatory Visit)	3,028,557	510,733	5.9	3,028,557	2,891,398	1.05	ENC_L3_ENCTYPE
OS (Observation Stay)	36,563	32,596	1.1	36,563	36,554	1.00	ENC_L3_ENCTYPE
TH (Telehealth)	276,576	83,643	3.3	266,414	266,208	1.00	ENC_L3_ENCTYPE
Missing, NI, UN or OT	2,039,937	344,856	5.9	1,952,909	1,896,619	1.03	ENC_L3_ENCTYPE

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