

**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	1,143,115		DEM_L3_N
Age			DEM_L3_AGEYRSDIST1
Mean	47		
Median	47		
Age group			DEM_L3_AGEYRSDIST2
0-4	23,998	2.1	
5-14	99,378	8.7	
15-21	85,732	7.5	
22-64	606,685	53.1	
65+	327,322	28.6	
Missing	0	0.0	
Hispanic			DEM_L3_HISPDIST
N (No)	760,560	66.5	
Y (Yes)	26,549	2.3	
Missing or Refused	356,006	31.1	
Sex			DEM_L3_SEXDIST
F (Female)	579,723	50.7	
M (Male)	563,269	49.3	
Missing or Ambiguous	123	0.0	
Race			DEM_L3_RACEDIST
White	759,419	66.4	
Non-White	42,358	3.7	
Missing or Refused	341,338	29.8	

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	723,707	68.9	
Non-White	40,299	3.8	
Missing or Refused	287,091	27.4	
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	1,143,115	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	1,143,115	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, TH, or AV encounter within the past 5 years	630,075	ENC_L3_DASH2
Potential pool of patients for trials	Number of unique patients with at least 1 ED, EI, IP, OS, TH, or AV encounter within the past 1 year	373,525	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	488,197	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	440,411	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	374,082	XTBL_L3_DASH3
Patients with diagnosis data	Percentage of patients with encounters who have at least 1 diagnosis	88%	ENC_L3_N; DIA_L3_N
Patients with procedure data	Percentage of patients with encounters who have at least 1 procedure	82%	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	15,231,623		
Height (inches), mean	65		
Height (inches), median	66		
Weight measurements			VIT_L3_WT_DIST
Records	26,692,385		
Weight (lbs.), mean	180		
Weight (lbs.), median	179		
Body Mass Index (BMI) measurements			VIT_L3_BMI
Records	15,028,936		
BMI <=25	4,158,978	27.7	
BMI 26-30	4,183,030	27.8	
BMI >=31	6,686,928	44.5	

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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	1,143,115	12APR2023	1,143,115	1,143,115	---	BIRTH_DATE	1933_Jun	2014_Mar	DEM_L3_N; XTBL_L3_DATES
ENROLLMENT	1,143,115	12APR2023	1,051,099	1,051,099	---	ENR_START_DATE^	2010_Jan	2020_Oct	ENR_L3_N; XTBL_L3_DATES
ENCOUNTER	235,710,204	12APR2023	181,419,141	1,051,097	181,419,141	ADMIT_DATE	2013_Oct	2022_Aug	ENC_L3_N; XTBL_L3_DATES
DIAGNOSIS	176,576,376	12APR2023	127,984,739	922,631	38,600,309	ADMIT_DATE	2013_Oct	2022_Sep	DIA_L3_N; XTBL_L3_DATES
PROCEDURES	105,576,631	12APR2023	79,430,630	861,186	31,756,159	ADMIT_DATE	2013_Oct	2022_Oct	PRO_L3_N; XTBL_L3_DATES
DEATH	95,307	12APR2023	95,307	95,307	---	DEATH_DATE	2013_Nov	2022_Oct	DEATH_L3_N; XTBL_L3_DATES
VITAL	38,366,312	12APR2023	31,478,893	763,995	12,396,487	MEASURE_DATE	2013_Dec	2022_Sep	VIT_L3_N; XTBL_L3_DATES
LAB_RESULT_CM	359,905,462	12APR2023	288,112,007	697,218	14,495,718	RESULT_DATE	2013_Oct	2022_Dec	LAB_L3_N; XTBL_L3_DATES
PRESCRIBING	83,059,801	12APR2023	68,837,038	748,232	25,531,258	RX_ORDER_DATE	2013_Nov	2022_Oct	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	41,589,220	12APR2023	33,587,266	462,500	---	DISPENSE_DATE	2013_Nov	2022_Oct	DISP_L3_N; XTBL_L3_DATES
CONDITION	32,645,743	12APR2023	25,714,616	837,511	12,408,360	REPORT_DATE	2013_Nov	2022_Mar	COND_L3_N; XTBL_L3_DATES
DEATH_CAUSE	55,827	12APR2023	55,827	15,038	---	---	---	---	DEATHC_L3_N
PROVIDER	238,742	12APR2023	238,742	---	---	---	---	---	PROV_L3_N
MED_ADMIN	12,143,428	12APR2023	11,740,823	274,222	1,576,369	MEDADMIN_ START_DATE	2018_Jan	2023_Jan	MEDADM_L3_N; XTBL_L3_DATES
OBS_CLIN	2,851,593	12APR2023	2,821,434	85,502	183,629	OBSCLIN_START_ DATE	2014_Jan	2021_Feb	OBSCLIN_L3_N; XTBL_L3_DATES
PCORNET_TRIAL	528	23OCT2020	528	528	---	---	---	---	TRIAL_L3_N

^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	1,143,115	12APR2023	1,143,115	1,143,115	---	---	---	---	HASH_L3_N
LDS_ADDRESS_HISTORY	8,912,047	12APR2023	8,912,047	1,143,115	---	---	---	---	LDSADRS_L3_N
IMMUNIZATION	10,748,714	12APR2023	10,748,714	771,738	2,137,878	VX_RECORD_DATE			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)	43,076,350	23.7	75,093,053	58.7	40,201,361	50.6
ED (Emergency Dept)	623,669	0.3	4,116,415	3.2	3,522,192	4.4
EI (ED to IP Stay)	0		0		0	
IC (Institutional Professional Consult)	2,765,176	1.5	3,510,857	2.7	1,504,253	1.9
IP (Inpatient Hospital Stay)	1,104,459	0.6	14,561,099	11.4	9,182,582	11.6
IS (Non-acute Institutional Stay)	144,443	0.1	921,769	0.7	160,802	0.2
OA (Other Ambulatory Visit)	133,220,666	73.4	27,527,468	21.5	23,240,296	29.3
OS (Observation Stay)	97,851	0.1	1,217,634	1.0	1,218,546	1.5
TH (Telehealth)	386,527	0.2	1,036,444	0.8	400,598	0.5
Missing, NI, UN or OT	0		0		0	
Total	181,419,141		127,984,739		79,430,630	
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)	43,076,350	859,697	50.1	43,076,350	39,798,328	1.08	ENC_L3_ENCTYPE
ED (Emergency Dept)	623,669	229,480	2.7	623,669	607,510	1.03	ENC_L3_ENCTYPE
EI (ED to IP Stay)	0	0		0	0		ENC_L3_ENCTYPE
IC (Institutional Professional Consult)	2,765,176	363,385	7.6	2,765,176	2,735,064	1.01	ENC_L3_ENCTYPE
IP (Inpatient Hospital Stay)	1,104,459	167,648	6.6	1,104,459	1,063,548	1.04	ENC_L3_ENCTYPE
IS (Non-acute Institutional Stay)	144,443	20,768	7.0	144,443	142,625	1.01	ENC_L3_ENCTYPE
OA (Other Ambulatory Visit)	133,220,666	1,047,301	127.2	130,019,189	124,934,612	1.04	ENC_L3_ENCTYPE
OS (Observation Stay)	97,851	38,045	2.6	97,851	97,817	1.00	ENC_L3_ENCTYPE
TH (Telehealth)	386,527	112,616	3.4	386,527	385,090	1.00	ENC_L3_ENCTYPE
Missing, NI, UN or OT	0	0		0	0		ENC_L3_ENCTYPE

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