

**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	2,163,887		DEM_L3_N
Age			DEM_L3_AGEYRSDIST1
Mean	49		
Median	49		
Age group			DEM_L3_AGEYRSDIST2
0-4	39,309	1.8	
5-14	122,577	5.7	
15-21	129,197	6.0	
22-64	1,237,051	57.1	
65+	627,030	29.0	
Missing	8,723	0.4	
Hispanic			DEM_L3_HISPDIST
N (No)	1,023,436	47.3	
Y (Yes)	28,273	1.3	
Missing or Refused	1,112,178	51.3	
Sex			DEM_L3_SEXDIST
F (Female)	1,094,975	50.6	
M (Male)	1,053,647	48.7	
Missing or Ambiguous	15,265	0.7	
Race			DEM_L3_RACEDIST
White	1,275,620	59.0	
Non-White	130,913	6.0	
Missing or Refused	757,354	34.9	

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	674,480	82.1	
Non-White	78,623	9.5	
Missing or Refused	68,637	8.3	
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	2,163,887	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	2,163,887	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	603,527	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	320,326	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	464,943	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	423,590	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	324,905	XTBL_L3_DASH3
Patients with diagnosis data	Percentage of patients with encounters who have at least 1 diagnosis	95%	ENC_L3_N; DIA_L3_N
Patients with procedure data	Percentage of patients with encounters who have at least 1 procedure	89%	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	3,179,647		
Height (inches), mean	65		
Height (inches), median	66		
Weight measurements			VIT_L3_WT_DIST
Records	4,640,212		
Weight (lbs.), mean	182		
Weight (lbs.), median	179		
Body Mass Index (BMI) measurements			VIT_L3_BMI
Records	2,722,112		
BMI <=25	933,967	34.3	
BMI 26-30	689,986	25.3	
BMI >=31	1,098,159	40.3	

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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	2,163,887	03APR2023	2,163,887	2,163,887	---	BIRTH_DATE	1921_Feb	2012_Feb	DEM_L3_N; XTBL_L3_DATES
ENROLLMENT	1,235,924	03APR2023	823,965	823,965	---	ENR_START_DATE^	1999_Aug	2022_Apr	ENR_L3_N; XTBL_L3_DATES
ENCOUNTER	26,089,680	03APR2023	13,187,696	821,740	13,187,696	ADMIT_DATE	2013_Nov	2022_Dec	ENC_L3_N; XTBL_L3_DATES
DIAGNOSIS	70,877,048	02APR2023	46,974,308	783,368	11,581,132	ADMIT_DATE	2014_Jan	2022_Dec	DIA_L3_N; XTBL_L3_DATES
PROCEDURES	47,072,358	01APR2023	30,389,756	730,031	10,236,823	ADMIT_DATE	2013_Nov	2022_Oct	PRO_L3_N; XTBL_L3_DATES
DEATH	358,664	03APR2023	358,664	306,091	---	DEATH_DATE	2013_Dec	2022_Sep	DEATH_L3_N; XTBL_L3_DATES
VITAL	38,594,646	02APR2023	29,395,661	749,404	5,910,823	MEASURE_DATE	2014_Feb	2022_Dec	VIT_L3_N; XTBL_L3_DATES
LAB_RESULT_CM	172,156,949	02APR2023	137,000,054	522,701	2,940,786	RESULT_DATE	2014_Jan	2022_Dec	LAB_L3_N; XTBL_L3_DATES
PRESCRIBING	88,979,655	02APR2023	68,363,910	760,481	6,026,622	RX_ORDER_DATE	2014_Jan	2022_Nov	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	3,617,385	03APR2023	3,617,385	207,761	---	DISPENSE_DATE	2015_Jun	2022_Nov	DISP_L3_N; XTBL_L3_DATES
CONDITION	2,815,669	02APR2023	2,608,303	484,872	0	REPORT_DATE	2014_Jan	2022_Dec	COND_L3_N; XTBL_L3_DATES
DEATH_CAUSE	15,462	03APR2023	15,462	15,111	---	---	---	---	DEATHC_L3_N
PRO_CM	28,783,578	02APR2023	21,058,638	726,220	6,057,487	PRO_DATE	2013_Dec	2022_Nov	PROCM_L3_N; XTBL_L3_DATES
PROVIDER	30,547	03APR2023	30,547	---	---	---	---	---	PROV_L3_N
MED_ADMIN	40,522,448	02APR2023	33,933,666	492,422	2,026,121	MEDADMIN_ START_DATE	2013_Dec	2022_Nov	MEDADM_L3_N; XTBL_L3_DATES
OBS_CLIN	619,411,959	02APR2023	423,640,303	808,243	8,274,631	OBSCLIN_START_ DATE	2013_Dec	2022_Nov	OBSCLIN_L3_N; XTBL_L3_DATES
OBS_GEN	2,786,940	02APR2023	1,505,091	647,653	789,434	OBSGEN_START_ DATE	2013_Nov	2022_Oct	OBSGEN_L3_N; XTBL_L3_DATES

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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	2,163,887	03APR2023	2,163,887	2,163,887	---	---	---	---	HASH_L3_N
LDS_ADDRESS_HISTORY	1,766,745	03APR2023	1,766,745	1,590,714	---	---	---	---	LDSADRS_L3_N
IMMUNIZATION	3,768,749	02APR2023	2,076,501	347,147	857,672	VX_RECORD_DATE	2013_Nov	2022_Sep	IMMUNE_L3_N; XTBL_L3_DATES
LAB_HISTORY	50,705		50,705	---	---	---	---	---	LABHIST_L3_N

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In the All Data columns, records comes from the DATAMART\_ALL table and Refresh Date comes from the XTBL\_L3\_REFRESH\_DATE table.

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**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)	11,759,849	89.2	34,248,154	72.9	19,782,012	65.1
ED (Emergency Dept)	717,833	5.4	3,470,169	7.4	2,620,426	8.6
EI (ED to IP Stay)	166,623	1.3	5,057,417	10.8	4,445,709	14.6
IC (Institutional Professional Consult)	0		0		0	
IP (Inpatient Hospital Stay)	201,656	1.5	3,214,805	6.8	3,194,503	10.5
IS (Non-acute Institutional Stay)	0		0		0	
OA (Other Ambulatory Visit)	0		0		0	
OS (Observation Stay)	0		0		0	
TH (Telehealth)	341,735	2.6	983,763	2.1	347,106	1.1
Missing, NI, UN or OT	0		0		0	
Total	13,187,696		46,974,308		30,389,756	
Source table	ENC_L3_ENCTYPE		DIA_L3_ENCTYPE		PRO_L3_ENCTTPE	

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**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)	11,759,849	761,134	15.5	11,759,849	10,771,242	1.09	ENC_L3_ENCTYPE
ED (Emergency Dept)	717,833	239,428	3.0	717,833	709,431	1.01	ENC_L3_ENCTYPE
EI (ED to IP Stay)	166,623	95,858	1.7	166,623	165,485	1.01	ENC_L3_ENCTYPE
IC (Institutional Professional Consult)	0	0		0	0		ENC_L3_ENCTYPE
IP (Inpatient Hospital Stay)	201,656	130,124	1.5	201,656	198,182	1.02	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
TH (Telehealth)	341,735	86,514	4.0	341,735	338,489	1.01	ENC_L3_ENCTYPE
Missing, NI, UN or OT	0	0		0	0		ENC_L3_ENCTYPE

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