

**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	1,789,219		DEM_L3_N
Age			DEM_L3_AGEYRSDIST1
Mean	49		
Median	49		
Age group			DEM_L3_AGEYRSDIST2
0-4	39,352	2.2	
5-14	99,879	5.5	
15-21	100,746	5.6	
22-64	1,034,715	57.9	
65+	514,277	28.7	
Missing	250	0.0	
Hispanic			DEM_L3_HISPDIST
N (No)	1,460,862	81.6	
Y (Yes)	94,469	5.3	
Missing or Refused	233,888	13.1	
Sex			DEM_L3_SEXDIST
F (Female)	951,922	53.2	
M (Male)	834,240	46.6	
Missing or Ambiguous	3,057	0.2	
Race			DEM_L3_RACEDIST
White	1,192,169	66.6	
Non-White	292,816	16.3	
Missing or Refused	304,234	17.0	

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.

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	1,008,017	68.0	
Non-White	245,071	16.6	
Missing or Refused	229,519	15.5	
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	1,789,219	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	1,789,219	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 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	1,789,219		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	860,430	48%	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	472,200	26%	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	791,314	92%	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	655,635	76%	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	531,844	62%	XTBL_L3_DASH3
Patients with diagnosis data	Percentage of patients with encounters who have at least 1 diagnosis	85%		ENC_L3_N; DIA_L3_N
Patients with procedure data	Percentage of patients with encounters who have at least 1 procedure	80%		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	6,370,398		
Height (inches), mean	65		
Height (inches), median	66		
Weight measurements			VIT_L3_WT_DIST
Records	11,261,248		
Weight (lbs.), mean	180		
Weight (lbs.), median	178		
Body Mass Index (BMI) measurements			VIT_L3_BMI
Records	10,656,619		
BMI <=25	3,366,303	31.6	
BMI 26-30	3,078,407	28.9	
BMI >=31	4,211,909	39.5	

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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	1,789,219	10OCT2023	1,789,219	1,789,219	---	BIRTH_DATE	1933_Apr	2013_Jun	DEM_L3_N; XTBL_L3_DATES
ENROLLMENT	1,789,219	10OCT2023	1,482,607	1,482,607	---	ENR_START_DATE^	2004_Aug	2023_Feb	ENR_L3_N; XTBL_L3_DATES
ENCOUNTER	132,463,117	10OCT2023	95,967,506	1,482,607	95,967,506	ADMIT_DATE	2014_Jun	2023_May	ENC_L3_N; XTBL_L3_DATES
DIAGNOSIS	314,055,809	10OCT2023	256,622,024	1,253,102	46,387,953	ADMIT_DATE	2014_Aug	2023_May	DIA_L3_N; XTBL_L3_DATES
PROCEDURES	260,078,139	10OCT2023	202,897,528	1,178,946	35,170,789	ADMIT_DATE	2014_May	2023_Mar	PRO_L3_N; XTBL_L3_DATES
DEATH	130,006	10OCT2023	130,006	130,006	---	DEATH_DATE	2014_Jun	2023_Apr	DEATH_L3_N; XTBL_L3_DATES
VITAL	72,639,441	10OCT2023	56,506,687	1,138,579	29,235,943	MEASURE_DATE	2014_May	2023_May	VIT_L3_N; XTBL_L3_DATES
LAB_RESULT_CM	332,102,865	10OCT2023	230,236,147	907,936	8,420,044	RESULT_DATE	2014_Jun	2023_May	LAB_L3_N; XTBL_L3_DATES
PRESCRIBING	76,867,254	10OCT2023	67,468,432	922,980	16,583,495	RX_ORDER_DATE	2014_Jun	2023_May	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	409,356,694	10OCT2023	375,948,064	989,930	---	DISPENSE_DATE	2015_Feb	2023_Jan	DISP_L3_N; XTBL_L3_DATES
CONDITION	13,665,284	10OCT2023	11,548,780	690,107	2,375,805	REPORT_DATE	2014_May	2023_Jun	COND_L3_N; XTBL_L3_DATES
PRO_CM	2,788,827	10OCT2023	2,788,827	318,682	788,551	PRO_DATE	2021_May	2023_Aug	PROCM_L3_N; XTBL_L3_DATES
PROVIDER	70,677	10OCT2023	70,677	---	---	---	---	---	PROV_L3_N
MED_ADMIN	86,085,872	10OCT2023	78,723,982	676,953	4,448,260	MEDADMIN_ START_DATE	2014_May	2023_May	MEDADM_L3_N; XTBL_L3_DATES
OBS_CLIN	13,413,428	10OCT2023	12,580,707	327,310	1,055,295	OBSCLIN_START_ DATE	2014_Jul	2023_May	OBSCLIN_L3_N; XTBL_L3_DATES
OBS_GEN	29,272	10OCT2023	29,272	19,556	23,551	OBSGEN_START_ DATE	2020_Feb	2023_Jul	OBSGEN_L3_N; XTBL_L3_DATES
PCORNET_TRIAL	716	10OCT2023	716	716	---	---	---	---	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	1,789,219	10OCT2023	1,789,219	1,789,219	---	---	---	---	HASH_L3_N
LDS_ADDRESS_HISTORY	1,738,458	10OCT2023	1,738,458	1,738,458	---	---	---	---	LDSADRS_L3_N
IMMUNIZATION	10,125,007	10OCT2023	9,268,574	711,360	1,911,205	VX_RECORD_DATE	2014_Oct	2023_Aug	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)	24,836,796	25.9	134,979,224	52.6	69,086,823	34.1
ED (Emergency Dept)	1,425,440	1.5	9,770,459	3.8	12,036,790	5.9
EI (ED to IP Stay)	241,271	0.3	18,507,611	7.2	41,385,475	20.4
IC (Institutional Professional Consult)	44,301	0.0	1,091,320	0.4	219,141	0.1
IP (Inpatient Hospital Stay)	247,515	0.3	12,322,795	4.8	33,133,429	16.3
IS (Non-acute Institutional Stay)	739	0.0	1,238	0.0	69	0.0
OA (Other Ambulatory Visit)	32,972,529	34.4	34,343,955	13.4	17,990,806	8.9
OS (Observation Stay)	173,632	0.2	3,175,554	1.2	6,698,357	3.3
TH (Telehealth)	877,821	0.9	3,734,394	1.5	867,644	0.4
Missing, NI, UN or OT	35,147,462	36.6	38,695,474	15.1	21,478,994	10.6
Total	95,967,506		256,622,024		202,897,528	
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)	24,836,796	967,013	25.7	16,338,215	16,201,086	1.01	ENC_L3_ENCTYPE
ED (Emergency Dept)	1,425,440	518,213	2.8	1,894	1,888	1.00	ENC_L3_ENCTYPE
EI (ED to IP Stay)	241,271	118,077	2.0	240,917	240,913	1.00	ENC_L3_ENCTYPE
IC (Institutional Professional Consult)	44,301	28,658	1.5	24,644	24,553	1.00	ENC_L3_ENCTYPE
IP (Inpatient Hospital Stay)	247,515	174,140	1.4	245,298	244,701	1.00	ENC_L3_ENCTYPE
IS (Non-acute Institutional Stay)	739	553	1.3	739	723	1.02	ENC_L3_ENCTYPE
OA (Other Ambulatory Visit)	32,972,529	1,095,783	30.1	32,964,020	30,957,074	1.06	ENC_L3_ENCTYPE
OS (Observation Stay)	173,632	114,779	1.5	171,841	171,098	1.00	ENC_L3_ENCTYPE
TH (Telehealth)	877,821	244,431	3.6	826,221	822,132	1.00	ENC_L3_ENCTYPE
Missing, NI, UN or OT	35,147,462	1,880,668	18.7	33,929,289	32,759,940	1.04	ENC_L3_ENCTYPE

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