

**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	1,583,465		DEM_L3_N
Age			DEM_L3_AGEYRSDIST1
Mean	43		
Median	42		
Age group			DEM_L3_AGEYRSDIST2
0-4	22,397	1.5	
5-14	140,446	8.9	
15-21	145,915	9.3	
22-64	951,683	60.1	
65+	323,024	20.4	
Missing	0	0.0	
Hispanic			DEM_L3_HISPDIST
N (No)	505,974	32.0	
Y (Yes)	865,142	54.6	
Missing or Refused	212,349	13.3	
Sex			DEM_L3_SEXDIST
F (Female)	843,333	53.3	
M (Male)	736,192	46.5	
Missing or Ambiguous	3,940	0.2	
Race			DEM_L3_RACEDIST
White	1,169,977	73.9	
Non-White	154,185	9.7	
Missing or Refused	259,303	16.4	

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	917,340	78.0	
Non-White	115,524	9.9	
Missing or Refused	142,530	12.1	
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	1,583,465	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	1,583,465	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	582,352	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	138,472	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	525,847	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	445,005	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	299,241	XTBL_L3_DASH3
Patients with diagnosis data	Percentage of patients with encounters who have at least 1 diagnosis	91%	ENC_L3_N; DIA_L3_N
Patients with procedure data	Percentage of patients with encounters who have at least 1 procedure	87%	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	14,359,159		
Height (inches), mean	63		
Height (inches), median	64		
Weight measurements			VIT_L3_WT_DIST
Records	23,301,304		
Weight (lbs.), mean	168		
Weight (lbs.), median	168		
Body Mass Index (BMI) measurements			VIT_L3_BMI
Records	2,825,178		
BMI <=25	890,457	31.5	
BMI 26-30	823,150	29.1	
BMI >=31	1,111,571	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	1,583,465	15APR2023	1,583,465	1,583,465	---	BIRTH_DATE	1940_May	2013_May	DEM_L3_N; XTBL_L3_DATES
ENROLLMENT	909,485	15APR2023	709,646	709,646	---	ENR_START_DATE^	2005_Sep	2021_Jul	ENR_L3_N; XTBL_L3_DATES
ENCOUNTER	25,737,135	15APR2023	17,661,747	1,175,394	17,661,747	ADMIT_DATE	2013_Nov	2022_Sep	ENC_L3_N; XTBL_L3_DATES
DIAGNOSIS	43,806,858	15APR2023	32,649,329	1,072,530	12,223,575	ADMIT_DATE	2013_Oct	2022_Jul	DIA_L3_N; XTBL_L3_DATES
PROCEDURES	45,283,588	15APR2023	29,969,986	1,017,028	10,381,651	ADMIT_DATE	2013_Oct	2022_Mar	PRO_L3_N; XTBL_L3_DATES
DEATH	56,701	15APR2023	56,701	56,701	---	DEATH_DATE	2013_Dec	2022_Jun	DEATH_L3_N; XTBL_L3_DATES
VITAL	46,568,648	15APR2023	31,191,191	944,642	8,920,547	MEASURE_DATE	2013_Oct	2020_Jun	VIT_L3_N; XTBL_L3_DATES
LAB_RESULT_CM	199,056,317	15APR2023	116,103,614	611,672	3,634,939	RESULT_DATE	2013_Oct	2021_Jul	LAB_L3_N; XTBL_L3_DATES
PRESCRIBING	17,292,346	15APR2023	12,147,035	671,162	5,559,267	RX_ORDER_DATE	2013_Nov	2022_Jun	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	29,970,692	15APR2023	28,180,342	412,214	---	DISPENSE_DATE	2014_May	2022_Sep	DISP_L3_N; XTBL_L3_DATES
CONDITION	50,353,782	15APR2023	47,157,436	1,025,409	14,651,749	REPORT_DATE	2014_May	2022_Apr	COND_L3_N; XTBL_L3_DATES
PROVIDER	23,029	15APR2023	23,029	---	---	---	---	---	PROV_L3_N
MED_ADMIN	29,586,996	15APR2023	24,397,195	233,878	568,127	MEDADMIN_ START_DATE	2013_Oct	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	1,583,465	15APR2023	1,583,465	1,583,465	---	---	---	---	HASH_L3_N
LDS_ADDRESS_HISTORY	25,367,239	15APR2023	25,367,239	1,506,431	---	---	---	---	LDSADRS_L3_N
IMMUNIZATION	2,405,912	15APR2023	851,946	175,306	461,425	VX_RECORD_DATE	2016_Oct	2023_Jan	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)	10,766,630	61.0	25,999,435	79.6	15,886,701	53.0
ED (Emergency Dept)	452,966	2.6	1,127,228	3.5	1,864,774	6.2
EI (ED to IP Stay)	0		0		0	
IC (Institutional Professional Consult)	0		0		0	
IP (Inpatient Hospital Stay)	237,730	1.3	833,613	2.6	8,308,740	27.7
IS (Non-acute Institutional Stay)	2,190	0.0	0		0	
OA (Other Ambulatory Visit)	2,946,507	16.7	1,120,655	3.4	1,171,815	3.9
OS (Observation Stay)	39,106	0.2	135,458	0.4	497,888	1.7
TH (Telehealth)	241,369	1.4	679,708	2.1	230,812	0.8
Missing, NI, UN or OT	2,975,249	16.8	2,753,232	8.4	2,009,256	6.7
Total	17,661,747		32,649,329		29,969,986	
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)	10,766,630	865,102	12.4	10,766,630	10,588,006	1.02	ENC_L3_ENCTYPE
ED (Emergency Dept)	452,966	251,036	1.8	452,966	452,685	1.00	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)	237,730	144,600	1.6	237,730	237,357	1.00	ENC_L3_ENCTYPE
IS (Non-acute Institutional Stay)	2,190	1,399	1.6	2,190	2,184	1.00	ENC_L3_ENCTYPE
OA (Other Ambulatory Visit)	2,946,507	501,184	5.9	2,946,507	2,814,089	1.05	ENC_L3_ENCTYPE
OS (Observation Stay)	39,106	34,744	1.1	39,106	39,097	1.00	ENC_L3_ENCTYPE
TH (Telehealth)	241,369	71,635	3.4	241,369	241,181	1.00	ENC_L3_ENCTYPE
Missing, NI, UN or OT	2,975,249	492,097	6.0	2,975,249	2,778,532	1.07	ENC_L3_ENCTYPE

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