

**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	5,008,195		DEM_L3_N
Age			DEM_L3_AGEYRSDIST1
Mean	48		
Median	48		
Age group			DEM_L3_AGEYRSDIST2
0-4	137,035	2.8	
5-14	413,891	8.2	
15-21	399,182	8.0	
22-64	2,566,080	51.2	
65+	1,484,141	29.7	
Missing	7,866	0.2	
Hispanic			DEM_L3_HISPDIST
N (No)	2,028,923	40.5	
Y (Yes)	44,921	0.9	
Missing or Refused	2,934,351	58.6	
Sex			DEM_L3_SEXDIST
F (Female)	2,631,069	52.5	
M (Male)	2,356,337	47.0	
Missing or Ambiguous	20,783*	0.4	
Race			DEM_L3_RACEDIST
White	3,128,399	62.5	
Non-White	811,131	16.2	
Missing or Refused	1,068,665	21.2	

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	2,215,956	67.5	
Non-White	603,996	18.4	
Missing or Refused	465,299	14.2	
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	5,008,195	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	5,008,195	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	2,013,857	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	771,007	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	1,638,852	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	1,249,358	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	929,475	XTBL_L3_DASH3
Patients with diagnosis data	Percentage of patients with encounters who have at least 1 diagnosis	83%	ENC_L3_N; DIA_L3_N
Patients with procedure data	Percentage of patients with encounters who have at least 1 procedure	52%	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	13,823,809		
Height (inches), mean	64		
Height (inches), median	66		
Weight measurements			VIT_L3_WT_DIST
Records	18,885,305		
Weight (lbs.), mean	167		
Weight (lbs.), median	171		
Body Mass Index (BMI) measurements			VIT_L3_BMI
Records	4,728,993		
BMI <=25	1,786,441	37.8	
BMI 26-30	1,247,446	26.4	
BMI >=31	1,695,106	35.8	

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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	5,008,195	21JAN2022	5,008,195	5,008,195	---	BIRTH_DATE	1927_Aug	2013_Nov	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
ENROLLMENT	5,007,558	21JAN2022	3,285,251	3,285,251	---	ENR_START_DATE^	1998_Jun	2020_Dec	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
ENCOUNTER	85,899,957	21JAN2022	74,079,075	3,285,251	74,079,075	ADMIT_DATE	2012_Aug	2021_Apr	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
DIAGNOSIS	175,669,868	21JAN2022	152,449,827	2,737,975	30,069,230	ADMIT_DATE	2012_Aug	2021_Apr	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
PROCEDURES	30,858,358	21JAN2022	24,317,433	1,721,963	12,115,166	ADMIT_DATE	2012_Jun	2020_May	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
DEATH	166,917	21JAN2022	166,917	166,917	---	DEATH_DATE	2013_Mar	2021_Sep	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
VITAL	272,190,687	21JAN2022	245,668,692	2,535,052	15,169,397	MEASURE_DATE	2012_Nov	2021_Jul	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
LAB_RESULT_CM	614,559,241	21JAN2022	518,696,562	1,820,352	9,118,184	RESULT_DATE	2012_Jul	2021_May	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
PRESCRIBING	114,347,168	21JAN2022	98,974,976	2,037,338	8,354,025	RX_ORDER_DATE	2012_Aug	2021_May	XTBL_L3_REFRESH_DATE; 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.

The source for the total number of records is the DATAMART\_ALL 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	
CONDITION	3,672,620	21JAN2022	3,341,658	525,216	940,748	REPORT_DATE	2015_Mar	2021_Aug	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
PROVIDER	243,202	21JAN2022	243,202	---	---	---	---	---	XTBL_L3_REFRESH_DATE

^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.

The source for the total number of records is the DATAMART\_ALL 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	
LDS_ADDRESS_HISTORY	4,739,332	21JAN2022	4,739,332	4,739,332	---	---	---	---	XTBL_L3_REFRESH_DATE
IMMUNIZATION	786,303	21JAN2022	516,877	149,405	268,798	VX_RECORD_DATE	2012_Oct	2018_Feb	XTBL_L3_REFRESH_DATE; 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.

The source for the total number of records is the DATAMART\_ALL 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)	57,826,059	78.1	105,110,626	68.9	20,893,834	85.9
ED (Emergency Dept)	3,368,824	4.5	21,552,113	14.1	376,743	1.5
EI (ED to IP Stay)	0		0		0	
IC (Institutional Professional Consult)	0		0		0	
IP (Inpatient Hospital Stay)	1,506,151	2.0	21,321,620	14.0	2,869,576	11.8
IS (Non-acute Institutional Stay)	0		0		0	
OA (Other Ambulatory Visit)	0		0		0	
OS (Observation Stay)	133,563	0.2	767,205	0.5	136,531	0.6
TH (Telehealth)	0		0		0	
Missing, NI, UN or OT	11,244,478	15.2	3,698,263	2.4	40,749	0.2
Total	74,079,075		152,449,827		24,317,433	
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)	57,826,059	2,568,667	22.5	41,820,090	32,774,956	1.28	ENC_L3_ENCTYPE
ED (Emergency Dept)	3,368,824	1,143,691	2.9	3,071,830	3,068,839	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)	1,506,151	760,953	2.0	1,501,516	1,497,778	1.00	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)	133,563	107,110	1.2	132,768	132,617	1.00	ENC_L3_ENCTYPE
TH (Telehealth)	0	0		0	0		ENC_L3_ENCTYPE
Missing, NI, UN or OT	11,244,478	2,800,960	4.0	9,438,499	9,423,631	1.00	ENC_L3_ENCTYPE

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