

**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	1,615,433		DEM_L3_N
Age			DEM_L3_AGEYRSDIST1
Mean	50		
Median	50		
Age group			DEM_L3_AGEYRSDIST2
0-4	27,709	1.7	
5-14	109,000	6.8	
15-21	107,998	6.7	
22-64	869,979	53.8	
65+	500,747	31.0	
Missing	0	0.0	
Hispanic			DEM_L3_HISPDIST
N (No)	807,068	50.0	
Y (Yes)	74,587	4.6	
Missing or Refused	733,778	45.4	
Sex			DEM_L3_SEXDIST
F (Female)	851,737	52.7	
M (Male)	753,683	46.7	
Missing or Ambiguous	10,013	0.6	
Race			DEM_L3_RACEDIST
White	724,019	44.8	
Non-White	114,805	7.0	
Missing or Refused	776,609	48.2	

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	652,139	49.3	
Non-White	110,423	8.3	
Missing or Refused	559,147	42.4	
Gender Identity			DEM_L3_GENDERDIST
GQ (Genderqueer/Non-Binary)	112	0.0	
M (Man)	28,204	1.7	
W (Woman)	44,707	2.8	
MU (Multiple gender categories), SE (Something else), TF (Transgender female/Trans woman/Male-to-female), or TM (Transgender male/Trans man/Female-to-male)	483	0.0	
Missing or Refused	1,541,927	95.4	
Sexual Orientation			DEM_L3_ORIENTDIST
Bisexual	2,524	0.2	
Gay	1,757	0.1	
Lesbian	854	0.1	
Queer	0	0.0	
Straight	96,054	5.9	
AS (Asexual), MU (Multiple sexual orientations), SE (Something else), QS (Questioning)	361	0.0	
Missing or Refused	1,513,883	93.7	

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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	517,933	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	229,383	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	496,073	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	477,485	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	345,217	XTBL_L3_DASH3
Patients with diagnosis data	Percentage of patients with encounters who have at least 1 diagnosis	57%	ENC_L3_N; DIA_L3_N
Patients with procedure data	Percentage of patients with encounters who have at least 1 procedure	59%	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	5,997,307		
Height (inches), mean	65		
Height (inches), median	66		
Weight measurements			VIT_L3_WT_DIST
Records	8,294,277		
Weight (lbs.), mean	180		
Weight (lbs.), median	179		
Body Mass Index (BMI) measurements			VIT_L3_BMI
Records	5,784,278		
BMI <=25	1,782,378	30.8	
BMI 26-30	1,608,307	27.8	
BMI >=31	2,393,593	41.4	

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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	1,615,433	04JAN2022	1,615,433	1,615,433	---	BIRTH_DATE	1918_Oct	2011_Sep	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
ENROLLMENT	282,894	04JAN2022	282,894	282,894	---	ENR_START_DATE^	2019_Jan	2021_Jun	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
ENCOUNTER	41,187,034	04JAN2022	41,187,034	1,321,709	41,187,034	ADMIT_DATE	2012_Apr	2021_Jun	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
DIAGNOSIS	28,708,849	04JAN2022	28,708,849	750,414	14,893,659	ADMIT_DATE	2013_Feb	2021_Sep	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
PROCEDURES	48,971,289	04JAN2022	48,971,289	775,543	10,703,918	ADMIT_DATE	2013_Feb	2021_Aug	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
DEATH	267,594	04JAN2022	267,594	267,594	---	DEATH_DATE	2012_Aug	2021_Jun	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
VITAL	40,798,551	04JAN2022	39,431,463	716,165	13,554,549	MEASURE_DATE	2013_Feb	2021_Aug	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
LAB_RESULT_CM	286,532,012	04JAN2022	166,497,118	545,678	3,963,189	RESULT_DATE	2012_Sep	2021_Aug	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
PRESCRIBING	47,664,789	04JAN2022	47,664,789	679,967	9,210,974	RX_ORDER_DATE	2013_Jan	2021_Aug	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	
DISPENSING	53,545,337	04JAN2022	52,266,525	606,014	---	DISPENSE_DATE	2013_Mar	2021_Jul	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
CONDITION	9,018,013	04JAN2022	7,453,260	649,751	2,005,023	REPORT_DATE	2012_Sep	2021_Jul	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
DEATH_CAUSE	5	04JAN2022	5	2	---	---	---	---	XTBL_L3_REFRESH_DATE
PRO_CM	3,768,075	04JAN2022	3,768,075	563,149	2,505,973	PRO_DATE	2014_Jan	2021_Sep	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
PROVIDER	102,248	04JAN2022	102,248	---	---	---	---	---	XTBL_L3_REFRESH_DATE
MED_ADMIN	59,129,129	04JAN2022	59,129,129	436,114	1,863,157	MEDADMIN_START_DATE	2013_Feb	2021_Aug	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
OBS_CLIN	628,842,211	04JAN2022	622,926,038	701,214	6,532,663	OBSCLIN_START_DATE	2013_Mar	2021_Aug	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
OBS_GEN	29,820,241	04JAN2022	25,947,748	1,343,724	9,220,761	OBSGEN_START_DATE	2013_Mar	2022_Jan	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
PCORNET_TRIAL	114	07JAN2022	114	114	---	---	---	---	XTBL_L3_REFRESH_DATE

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The source for the total number of records is the DATAMART\_ALL table.

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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	1,615,433	04JAN2022	1,615,433	1,615,433	---	---	---	---	XTBL_L3_REFRESH_DATE
LDS_ADDRESS_HISTORY	1,583,479	04JAN2022	1,583,479	1,583,479	---	---	---	---	XTBL_L3_REFRESH_DATE
IMMUNIZATION	3,243,103	04JAN2022	3,243,103	351,467	712,194	VX_RECORD_DATE	2012_Mar	2021_Nov	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.

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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)	5,142,590	12.5	13,012,540	45.3	9,574,743	19.6
ED (Emergency Dept)	616,047	1.5	944,189	3.3	3,785,966	7.7
EI (ED to IP Stay)	140,732	0.3	802,715	2.8	8,692,642	17.8
IC (Institutional Professional Consult)	0		0		0	
IP (Inpatient Hospital Stay)	437,257	1.1	900,652	3.1	9,977,032	20.4
IS (Non-acute Institutional Stay)	32	0.0	2	0.0	6	0.0
OA (Other Ambulatory Visit)	5,244,018	12.7	3,863,709	13.5	2,576,781	5.3
OS (Observation Stay)	59,637	0.1	194,568	0.7	1,323,770	2.7
TH (Telehealth)	254,395	0.6	616,279	2.1	407,744	0.8
Missing, NI, UN or OT	29,292,326	71.1	8,374,195	29.2	12,632,605	25.8
Total	41,187,034		28,708,849		48,971,289	
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)	5,142,590	547,381	9.4	5,115,579	5,103,293	1.00	ENC_L3_ENCTYPE
ED (Emergency Dept)	616,047	238,594	2.6	616,047	615,534	1.00	ENC_L3_ENCTYPE
EI (ED to IP Stay)	140,732	75,016	1.9	140,729	140,724	1.00	ENC_L3_ENCTYPE
IC (Institutional Professional Consult)	0	0		0	0		ENC_L3_ENCTYPE
IP (Inpatient Hospital Stay)	437,257	210,956	2.1	437,248	436,973	1.00	ENC_L3_ENCTYPE
IS (Non-acute Institutional Stay)	32	30	1.1	31	31	1.00	ENC_L3_ENCTYPE
OA (Other Ambulatory Visit)	5,244,018	434,449	12.1	4,960,690	4,830,047	1.03	ENC_L3_ENCTYPE
OS (Observation Stay)	59,637	42,043	1.4	59,637	59,632	1.00	ENC_L3_ENCTYPE
TH (Telehealth)	254,395	84,694	3.0	254,009	252,999	1.00	ENC_L3_ENCTYPE
Missing, NI, UN or OT	29,292,326	1,248,436	23.5	26,105,500	13,931,973	1.87	ENC_L3_ENCTYPE

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