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	3,806,150		DEM_L3_N
Age			DEM_L3_AGEYRSDIST1
Mean	50		
Median	49		
Age group			DEM_L3_AGEYRSDIST2
0-4	58,071	1.5	
5-14	215,262	5.7	
15-21	223,691	5.9	
22-64	2,197,011	57.7	
65+	1,112,115	29.2	
Missing	0	0.0	
Hispanic			DEM_L3_HISPDIST
N (No)	1,928,229	50.7	
Y (Yes)	528,184	13.9	
Missing or Refused	1,349,737	35.4	
Sex			DEM_L3_SEXDIST
F (Female)	2,026,342	53.2	
M (Male)	1,770,086	46.5	
Missing or Ambiguous	9,722	0.2	
Race			DEM_L3_RACEDIST
White	1,370,546	36.0	
Non-White	531,910	14.0	
Missing or Refused	1,903,694	50.0	

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.

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	1,046,327	35.5	
Non-White	443,153	15.1	
Missing or Refused	1,461,948	49.5	
Gender Identity			DEM_L3_GENDERDIST
GQ (Genderqueer/Non-Binary)	3,833	0.1	
M (Man)	322,514	8.5	
W (Woman)	432,459	11.4	
MU (Multiple gender categories), SE (Something else), TF (Transgender female/Trans woman/Male-to-female), or TM (Transgender male/Trans man/Female-to-male)	3,481	0.1	
Missing or Refused	3,043,863	79.9	
Sexual Orientation			DEM_L3_ORIENTDIST
Bisexual	16,388	0.4	
Gay	0	0.0	
Lesbian	0	0.0	
Queer	0	0.0	
Straight	652,927	17.2	
AS (Asexual), MU (Multiple sexual orientations), SE (Something else), QS (Questioning)	8,154	0.2	
Missing or Refused	3,105,255	81.6	

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.
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	%	Source table
All patients	Number of unique patients in the DEMOGRAPHIC table	3,806,150		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	1,662,633	44	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	827,493	22	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 record in a face-to-face setting and at least 1 VITAL record within the past 5 years	1,457,675	87.7	XTBL_L3_DASH1
	Number of unique patients with at least 1 DIAGNOSIS record in a face-to-face setting, at least 1 VITAL record, and at least 1 PRESCRIBING or MED_ADMIN record within the past 5 years	1,237,678	74.4	XTBL_L3_DASH2
	Number of unique patients with at least 1 DIAGNOSIS record in a face-to-face setting, at least 1 VITAL record, at least 1 PRESCRIBING or MED_ADMIN record, and at least 1 LAB_RESULT_CM record within the past 5 years	838,735	50.4	XTBL_L3_DASH3
Patients with diagnosis data	Percentage of patients with encounters who have at least 1 diagnosis	79%		ENC_L3_N; DIA_L3_N
Patients with procedure data	Percentage of patients with encounters who have at least 1 procedure	77%		ENC_L3_N; PRO_L3_N

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	14,686,036		
Height (inches), mean	64		
Height (inches), median	66		
Weight measurements			VIT_L3_WT_DIST
Records	18,164,750		
Weight (lbs.), mean	157		
Weight (lbs.), median	157		
Body Mass Index (BMI) measurements			VIT_L3_BMI
Records	17,508,570		
BMI <=25	8,776,741	50.1	
BMI 26-30	5,050,091	28.8	
BMI >=31	3,681,738	21.0	

Table ID. 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			
	Records	Refresh Date	Records	Patients	Encounters	Field name	5th Percentile	95th Percentile	Source Tables
DEMOGRAPHIC	3,806,150	07MAR2025	3,806,150	3,806,150	---	BIRTH_DATE	1936_Feb	2013_Jul	DEM_L3_N; XTBL_L3_DATES
ENROLLMENT	3,806,150	07MAR2025	2,951,428	2,951,428	---	ENR_START_ DATE^	2006_Dec	2024_Jul	ENR_L3_N; XTBL_L3_DATES
ENCOUNTER	216,158,175	07MAR2025	187,776,481	2,951,428	187,776,481	ADMIT_DATE	2016_Feb	2024_Nov	ENC_L3_N; XTBL_L3_DATES
DIAGNOSIS	187,872,933	07MAR2025	151,821,193	2,337,348	60,699,609	ADMIT_DATE	2016_Feb	2024_Nov	DIA_L3_N; XTBL_L3_DATES
PROCEDURES	243,133,585	07MAR2025	192,574,601	2,265,787	51,309,926	ADMIT_DATE	2016_Jan	2024_Oct	PRO_L3_N; XTBL_L3_DATES
DEATH	72,394	07MAR2025	72,394	72,394	---	DEATH_DATE	2008_Aug	2024_Dec	DEATH_L3_N; XTBL_L3_DATES
VITAL	43,380,345	07MAR2025	38,713,958	2,120,352	38,713,958	MEASURE_DATE	2015_Nov	2024_Oct	VIT_L3_N; XTBL_L3_DATES
LAB_RESULT_CM	565,430,091	07MAR2025	364,965,337	1,328,971	9,397,540	RESULT_DATE	2015_Nov	2024_Oct	LAB_L3_N; XTBL_L3_DATES
PRESCRIBING	97,999,750	07MAR2025	87,020,049	1,861,517	28,028,147	RX_ORDER_DATE	2015_Dec	2024_Oct	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.
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 ID. 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 | | | |
	Records	Refresh Date	Records	Patients	Encounters	Field name	5th Percentile	95th Percentile	Source Tables
DISPENSING	632,778,657	07MAR2025	568,423,516	1,950,270	---	DISPENSE_DATE	2016_Jan	2024_Jul	DISP_L3_N; XTBL_L3_DATES
CONDITION	14,890,044	07MAR2025	13,061,093	1,304,185	5,972,413	REPORT_DATE	2015_Oct	2024_Dec	COND_L3_N; XTBL_L3_DATES
DEATH_CAUSE	1,284	07MAR2025	1,284	1,284	---	---	---	---	DEATHC_L3_N
PRO_CM	2,993,107	07MAR2025	2,974,913	315,953	609,054	PRO_DATE	2018_Mar	2024_Dec	PROCM_L3_N; XTBL_L3_DATES
PROVIDER	91,300	07MAR2025	91,300	---	---	---	---	---	PROV_L3_N
MED_ADMIN	102,209,227	07MAR2025	87,918,440	960,346	4,429,124	MEDADMIN_ START_DATE	2015_Nov	2024_Oct	MEDADM_L3_N; XTBL_L3_DATES
OBS_CLIN	248,672,293	07MAR2025	211,383,094	1,868,203	20,034,537	OBSCLIN_START_ DATE	2015_Nov	2024_Oct	OBSCLIN_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.
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 ID. 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.

| | All Data | | Characterized Data | | | Characterized Data Range | | | |
Table	Records	Refresh Date	Records	Patients	Encounters	Field name	5th Percentile	95th Percentile	Source Tables
HASH_TOKEN	3,806,150	07MAR2025	3,806,150	3,806,150	---	---	---	---	HASH_L3_N
IMMUNIZATION	94,241,063	07MAR2025	89,915,944	904,457	3,188,098	VX_RECORD_DATE	2016_Nov	2024_Nov	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.
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)	38,024,950	20.3	98,367,600	64.8	84,766,055	44.0
ED (Emergency Dept)	745,275	0.4	4,100,929	2.7	5,258,933	2.7
EI (ED to IP Stay)	187,625	0.1	5,093,382	3.4	21,749,608	11.3
IC (Institutional Professional Consult)	0		0		0	
IP (Inpatient Hospital Stay)	233,864	0.1	3,871,832	2.6	21,383,052	11.1
IS (Non-acute Institutional Stay)	170,334	0.1	854,569	0.6	198,807	0.1
OA (Other Ambulatory Visit)	72,204,523	38.5	19,505,856	12.8	24,190,291	12.6
OS (Observation Stay)	54,362	0.0	827,733	0.5	1,687,929	0.9
TH (Telehealth)	2,747,975	1.5	6,939,115	4.6	3,517,860	1.8
Missing, NI, UN or OT	73,407,573	39.1	12,260,177	8.1	29,822,066	15.5
Total	187,776,481		151,821,193		192,574,601	
Source table	ENC_L3_ENCTYPE		DIA_L3_ENCTYPE		PRO_L3_ENCTTPE	

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)	38,024,950	2,170,662	17.5	37,963,021	36,262,575	1.05	ENC_L3_ENCTYPE
ED (Emergency Dept)	745,275	382,715	1.9	739,603	735,652	1.01	ENC_L3_ENCTYPE
EI (ED to IP Stay)	187,625	105,178	1.8	185,695	185,691	1.00	ENC_L3_ENCTYPE
IC (Institutional Professional Consult)	0	0		0	0		ENC_L3_ENCTYPE
IP (Inpatient Hospital Stay)	233,864	170,685	1.4	231,814	231,761	1.00	ENC_L3_ENCTYPE
IS (Non-acute Institutional Stay)	170,334	13,896	12.3	170,334	168,532	1.01	ENC_L3_ENCTYPE
OA (Other Ambulatory Visit)	72,204,523	2,050,757	35.2	64,750,061	58,610,681	1.10	ENC_L3_ENCTYPE
OS (Observation Stay)	54,362	43,214	1.3	54,159	54,153	1.00	ENC_L3_ENCTYPE
TH (Telehealth)	2,747,975	580,436	4.7	2,747,975	2,740,276	1.00	ENC_L3_ENCTYPE
Missing, NI, UN or OT	73,407,573	2,709,944	27.1	67,249,262	58,323,177	1.15	ENC_L3_ENCTYPE