

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	1,524,707		DEM_L3_N
Age			DEM_L3_AGEYRSDIST1
Mean	47		
Median	48		
Age group			DEM_L3_AGEYRSDIST2
0-4	31,754	2.1	
5-14	81,569	5.3	
15-21	81,744	5.3	
22-64	911,355	59.7	
65+	361,385	23.7	
Missing	56,900	3.7	
Hispanic			DEM_L3_HISPDIST
N (No)	1,288,822	84.5	
Y (Yes)	79,102	5.2	
Missing or Refused	156,783	10.3	
Sex			DEM_L3_SEXDIST
F (Female)	813,377	53.3	
M (Male)	710,280	46.6	
Missing or Ambiguous	1,050	0.1	
Race			DEM_L3_RACEDIST
White	1,033,449	67.8	
Non-White	263,162	17.3	
Missing or Refused	228,096	14.9	

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	878,716	69.3	
Non-White	221,914	17.5	
Missing or Refused	167,501	13.3	
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	1,524,707	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	1,524,707	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	807,269	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	438,937	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	745,638	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	706,898	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	506,362	XTBL_L3_DASH3
Patients with diagnosis data	Percentage of patients with encounters who have at least 1 diagnosis	90%	ENC_L3_N; DIA_L3_N
Patients with procedure data	Percentage of patients with encounters who have at least 1 procedure	86%	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	5,970,134		
Height (inches), mean	65		
Height (inches), median	66		
Weight measurements			VIT_L3_WT_DIST
Records	10,367,548		
Weight (lbs.), mean	179		
Weight (lbs.), median	177		
Body Mass Index (BMI) measurements			VIT_L3_BMI
Records	9,691,266		
BMI <=25	3,105,749	32.0	
BMI 26-30	2,797,195	28.9	
BMI >=31	3,788,322	39.1	

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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	1,524,707	03JAN2022	1,524,707	1,524,707	---	BIRTH_DATE	1938_Oct	2011_Jun	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
ENROLLMENT	1,524,707	03JAN2022	1,268,131	1,268,131	---	ENR_START_DATE^	2004_Jun	2021_Jul	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
ENCOUNTER	109,815,508	03JAN2022	83,634,369	1,268,131	83,634,369	ADMIT_DATE	2012_Oct	2021_Aug	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
DIAGNOSIS	251,460,569	03JAN2022	214,745,156	1,141,184	42,093,702	ADMIT_DATE	2013_Jan	2021_Aug	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
PROCEDURES	224,082,374	03JAN2022	189,168,998	1,088,315	33,896,562	ADMIT_DATE	2012_Dec	2021_Jul	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
DEATH	107,887	03JAN2022	107,887	107,887	---	DEATH_DATE	2012_May	2021_May	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
VITAL	60,539,428	03JAN2022	50,926,805	1,022,648	25,858,140	MEASURE_DATE	2012_Oct	2021_Aug	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
LAB_RESULT_CM	272,041,089	03JAN2022	199,159,179	749,974	7,114,912	RESULT_DATE	2012_Sep	2021_Aug	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
PRESCRIBING	61,937,125	03JAN2022	58,254,277	838,705	14,285,284	RX_ORDER_DATE	2013_Feb	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	322,199,646	03JAN2022	311,464,945	865,574	---	DISPENSE_DATE	2013_Oct	2021_May	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
CONDITION	10,740,125	03JAN2022	9,655,474	624,891	2,185,343	REPORT_DATE	2013_Mar	2021_Sep	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
PROVIDER	55,969	03JAN2022	55,969	---	---	---	---	---	XTBL_L3_REFRESH_DATE
MED_ADMIN	69,706,495	03JAN2022	69,706,414	611,627	3,803,343	MEDADMIN_START_DATE	2013_Feb	2021_Aug	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
OBS_CLIN	10,449,992	03JAN2022	10,348,046	286,338	896,763	OBSCLIN_START_DATE	2013_Jul	2021_Aug	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
OBS_GEN	16,929	03JAN2022	16,929	11,569	13,608	OBSGEN_START_DATE	2020_Feb	2021_Nov	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
PCORNET_TRIAL	630	03JAN2022	630	630	---	---	---	---	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	
HASH_TOKEN	1,524,707	03JAN2022	1,524,707	1,524,707	---	---	---	---	XTBL_L3_REFRESH_DATE
LDS_ADDRESS_HISTORY	1,495,372	03JAN2022	1,495,372	1,495,372	---	---	---	---	XTBL_L3_REFRESH_DATE
IMMUNIZATION	6,976,967	03JAN2022	6,496,789	574,427	1,542,818	VX_RECORD_DATE	2013_Oct	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.

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 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)	21,029,258	25.1	115,921,663	54.0	63,037,555	33.3
ED (Emergency Dept)	1,154,920	1.4	7,383,941	3.4	10,000,777	5.3
EI (ED to IP Stay)	215,764	0.3	13,546,738	6.3	37,009,896	19.6
IC (Institutional Professional Consult)	32,349	0.0	744,271	0.3	160,486	0.1
IP (Inpatient Hospital Stay)	225,558	0.3	8,757,274	4.1	29,944,233	15.8
IS (Non-acute Institutional Stay)	762	0.0	1,191	0.0	58	0.0
OA (Other Ambulatory Visit)	27,295,032	32.6	24,650,545	11.5	16,373,606	8.7
OS (Observation Stay)	156,429	0.2	2,355,126	1.1	5,856,366	3.1
TH (Telehealth)	551,821	0.7	2,459,483	1.1	554,348	0.3
Missing, NI, UN or OT	32,972,476	39.4	38,924,924	18.1	26,231,673	13.9
Total	83,634,369		214,745,156		189,168,998	
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)	21,029,258	880,703	23.9	14,965,865	14,851,364	1.01	ENC_L3_ENCTYPE
ED (Emergency Dept)	1,154,920	451,273	2.6	1,854	1,848	1.00	ENC_L3_ENCTYPE
EI (ED to IP Stay)	215,764	107,873	2.0	215,545	215,542	1.00	ENC_L3_ENCTYPE
IC (Institutional Professional Consult)	32,349	21,374	1.5	18,514	18,448	1.00	ENC_L3_ENCTYPE
IP (Inpatient Hospital Stay)	225,558	158,914	1.4	223,754	223,226	1.00	ENC_L3_ENCTYPE
IS (Non-acute Institutional Stay)	762	574	1.3	762	746	1.02	ENC_L3_ENCTYPE
OA (Other Ambulatory Visit)	27,295,032	956,514	28.5	27,255,876	25,924,670	1.05	ENC_L3_ENCTYPE
OS (Observation Stay)	156,429	104,826	1.5	154,631	154,068	1.00	ENC_L3_ENCTYPE
TH (Telehealth)	551,821	193,006	2.9	522,405	520,118	1.00	ENC_L3_ENCTYPE
Missing, NI, UN or OT	32,972,476	1,797,305	18.3	32,013,768	30,952,742	1.03	ENC_L3_ENCTYPE

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