

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	1,885,433		DEM_L3_N
Age			DEM_L3_AGEYRSDIST1
Mean	43		
Median	42		
Age group			DEM_L3_AGEYRSDIST2
0-4	36,898	2.0	
5-14	157,228	8.3	
15-21	181,590	9.6	
22-64	1,112,948	59.1	
65+	396,769	21.1	
Missing	0	0.0	
Hispanic			DEM_L3_HISPDIST
N (No)	917,887	48.7	
Y (Yes)	696,739	37.0	
Missing or Refused	270,807	14.4	
Sex			DEM_L3_SEXDIST
F (Female)	994,757	52.8	
M (Male)	885,464	47.0	
Missing or Ambiguous	5,212	0.3	
Race			DEM_L3_RACEDIST
White	1,400,068	74.3	
Non-White	180,742	9.6	
Missing or Refused	304,623	16.1	

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	1,015,071	77.9	
Non-White	129,417	9.9	
Missing or Refused	159,219	12.2	
Gender Identity			DEM_L3_GENDERDIST
GQ (Genderqueer/Non-Binary)	0	0.0	
M (Man)	29,789	1.6	
W (Woman)	45,774	2.4	
MU (Multiple gender categories), SE (Something else), TF (Transgender female/Trans woman/Male-to-female), or TM (Transgender male/Trans man/Female-to-male)	260	0.0	
Missing or Refused	1,809,610	96.0	
Sexual Orientation			DEM_L3_ORIENTDIST
Bisexual	1,699	0.1	
Gay	1,080	0.1	
Lesbian	876	0.0	
Queer	0	0.0	
Straight	52,560	2.8	
AS (Asexual), MU (Multiple sexual orientations), SE (Something else), QS (Questioning)	370	0.0	
Missing or Refused	1,828,838	97.0	

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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 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	1,885,433		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	718,630	38	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	265,512	14	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	469,049	65.3	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	339,159	47.2	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 th	241,280	33.6	XTBL_L3_DASH3
Patients with diagnosis data	Percentage of patients with encounters who have at least 1 diagnosis	92%		ENC_L3_N; DIA_L3_N
Patients with procedure data	Percentage of patients with encounters who have at least 1 procedure	91%		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	13,224,959		
Height (inches), mean	63		
Height (inches), median	64		
Weight measurements			VIT_L3_WT_DIST
Records	21,255,096		
Weight (lbs.), mean	168		
Weight (lbs.), median	168		
Body Mass Index (BMI) measurements			VIT_L3_BMI
Records	2,958,172		
BMI <=25	936,567	31.7	
BMI 26-30	858,592	29.0	
BMI >=31	1,163,013	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	1,885,433	19APR2024	1,885,433	1,885,433	---	BIRTH_DATE	1940_Mar	2014_Aug	DEM_L3_N; XTBL_L3_DATES
ENROLLMENT	1,067,590	19APR2024	789,979	789,979	---	ENR_START_DATE^	2005_Nov	2022_Nov	ENR_L3_N; XTBL_L3_DATES
ENCOUNTER	36,806,265	19APR2024	23,778,091	1,303,707	23,778,091	ADMIT_DATE	2014_Nov	2023_Sep	ENC_L3_N; XTBL_L3_DATES
DIAGNOSIS	80,542,363	19APR2024	54,573,167	1,205,628	18,002,609	ADMIT_DATE	2014_Oct	2023_Sep	DIA_L3_N; XTBL_L3_DATES
PROCEDURES	65,954,773	19APR2024	41,584,288	1,179,867	16,356,252	ADMIT_DATE	2014_Nov	2023_Jul	PRO_L3_N; XTBL_L3_DATES
DEATH	71,126	19APR2024	71,126	71,126	---	DEATH_DATE	2007_Apr	2022_Oct	DEATH_L3_N; XTBL_L3_DATES
VITAL	47,059,740	19APR2024	28,454,925	912,713	8,474,784	MEASURE_DATE	2014_Sep	2021_Jun	VIT_L3_N; XTBL_L3_DATES
LAB_RESULT_CM	202,350,741	19APR2024	107,281,007	604,682	3,511,781	RESULT_DATE	2014_Sep	2022_Sep	LAB_L3_N; XTBL_L3_DATES
PRESCRIBING	18,042,604	19APR2024	11,736,458	647,384	5,529,774	RX_ORDER_DATE	2014_Oct	2023_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	34,254,004	19APR2024	31,251,796	448,083	---	DISPENSE_DATE	2015_Jan	2023_Aug	DISP_L3_N; XTBL_L3_DATES
CONDITION	52,766,485	19APR2024	47,776,426	1,055,551	15,155,267	REPORT_DATE	2014_Sep	2023_Apr	COND_L3_N; XTBL_L3_DATES
PROVIDER	25,134	19APR2024	25,134	---	---	---	---	---	PROV_L3_N
MED_ADMIN	29,629,390	19APR2024	21,864,574	219,517	554,101	MEDADMIN_ START_DATE	2014_Sep	2020_Apr	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	1,885,433	19APR2024	1,885,433	1,885,433	---	---	---	---	HASH_L3_N
LDS_ADDRESS_HISTORY	25,837,545	19APR2024	25,837,545	1,740,651	---	---	---	---	LDSADRS_L3_N
IMMUNIZATION	2,588,490	19APR2024	1,028,011	185,302	500,741	VX_RECORD_DATE	2017_Sep	2023_Dec	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.

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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)	15,475,311	65.1	39,942,136	73.2	26,400,948	63.5
ED (Emergency Dept)	1,045,349	4.4	2,769,281	5.1	2,483,437	6.0
EI (ED to IP Stay)	0		0		0	
IC (Institutional Professional Consult)	0		0		0	
IP (Inpatient Hospital Stay)	1,632,348	6.9	9,551,451	17.5	10,730,015	25.8
IS (Non-acute Institutional Stay)	2,876	0.0	0		0	
OA (Other Ambulatory Visit)	3,138,538	13.2	1,121,240	2.1	1,152,176	2.8
OS (Observation Stay)	33,673	0.1	114,622	0.2	430,195	1.0
TH (Telehealth)	310,451	1.3	850,940	1.6	287,780	0.7
Missing, NI, UN or OT	2,139,545	9.0	223,497	0.4	99,737	0.2
Total	23,778,091		54,573,167		41,584,288	
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)	15,475,311	1,068,802	14.5	11,103,145	10,724,917	1.04	ENC_L3_ENCTYPE
ED (Emergency Dept)	1,045,349	378,994	2.8	584,001	556,094	1.05	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)	1,632,348	246,167	6.6	316,520	295,832	1.07	ENC_L3_ENCTYPE
IS (Non-acute Institutional Stay)	2,876	1,802	1.6	2,876	2,869	1.00	ENC_L3_ENCTYPE
OA (Other Ambulatory Visit)	3,138,538	524,321	6.0	3,138,538	2,994,022	1.05	ENC_L3_ENCTYPE
OS (Observation Stay)	33,673	30,152	1.1	33,673	33,665	1.00	ENC_L3_ENCTYPE
TH (Telehealth)	310,451	87,223	3.6	295,673	295,440	1.00	ENC_L3_ENCTYPE
Missing, NI, UN or OT	2,139,545	333,004	6.4	2,044,410	1,982,460	1.03	ENC_L3_ENCTYPE

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