

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	2,685,256		DEM_L3_N
Age			DEM_L3_AGEYRSDIST1
Mean	44		
Median	43		
Age group			DEM_L3_AGEYRSDIST2
0-4	93,116	3.5	
5-14	243,828	9.1	
15-21	175,029	6.5	
22-64	1,553,795	57.9	
65+	619,487	23.0	
Missing	1	0.0	
Hispanic			DEM_L3_HISPDIST
N (No)	2,427,035	90.4	
Y (Yes)	128,980	4.8	
Missing or Refused	129,241	4.8	
Sex			DEM_L3_SEXDIST
F (Female)	1,409,631	52.5	
M (Male)	1,275,509	47.5	
Missing or Ambiguous	116	0.0	
Race			DEM_L3_RACEDIST
White	2,146,600	79.9	
Non-White	377,392	14.0	
Missing or Refused	161,264	6.0	

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.

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	2,133,612	79.9	
Non-White	375,118	14.0	
Missing or Refused	160,277	6.0	
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	2,685,256	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	2,685,256	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	1,891,766	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	994,623	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	1,759,105	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	1,669,141	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	1,344,779	XTBL_L3_DASH3
Patients with diagnosis data	Percentage of patients with encounters who have at least 1 diagnosis	97%	ENC_L3_N; DIA_L3_N
Patients with procedure data	Percentage of patients with encounters who have at least 1 procedure	94%	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	17,766,623		
Height (inches), mean	64		
Height (inches), median	66		
Weight measurements			VIT_L3_WT_DIST
Records	32,177,408		
Weight (lbs.), mean	173		
Weight (lbs.), median	174		
Body Mass Index (BMI) measurements			VIT_L3_BMI
Records	17,406,872		
BMI <=25	6,079,174	34.9	
BMI 26-30	4,834,553	27.8	
BMI >=31	6,493,145	37.3	

Cell counts between 1 and the low-cell count threshold are displayed as BT and treated as missing.

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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	2,685,256	20MAR2023	2,685,256	2,685,256	---	BIRTH_DATE	1938_Mar	2016_Jul	DEM_L3_N; XTBL_L3_DATES
ENROLLMENT	2,685,253	24MAR2023	2,669,007	2,669,007	---	ENR_START_DATE^	2013_Jan	2022_Feb	ENR_L3_N; XTBL_L3_DATES
ENCOUNTER	140,400,707	22MAR2023	137,538,853	2,669,007	137,538,853	ADMIT_DATE	2013_Nov	2022_Oct	ENC_L3_N; XTBL_L3_DATES
DIAGNOSIS	296,985,731	29MAR2023	291,332,643	2,584,787	62,470,504	ADMIT_DATE	2013_Nov	2022_Oct	DIA_L3_N; XTBL_L3_DATES
PROCEDURES	282,060,824	24MAR2023	279,279,118	2,513,564	58,398,330	ADMIT_DATE	2014_Jul	2022_Oct	PRO_L3_N; XTBL_L3_DATES
DEATH	171,088	24MAR2023	171,088	171,088	---	DEATH_DATE	2014_Feb	2022_Oct	DEATH_L3_N; XTBL_L3_DATES
VITAL	150,817,796	25MAR2023	147,816,784	2,417,039	28,777,870	MEASURE_DATE	2013_Nov	2022_Sep	VIT_L3_N; XTBL_L3_DATES
LAB_RESULT_CM	321,864,973	23MAR2023	315,889,602	1,942,397	16,028,546	RESULT_DATE	2013_Nov	2022_Oct	LAB_L3_N; XTBL_L3_DATES
PRESCRIBING	167,489,899	29MAR2023	164,371,307	2,291,175	40,428,461	RX_ORDER_DATE	2013_Nov	2022_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.

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	878,142,529	25MAR2023	803,252,271	2,050,684	---	DISPENSE_DATE	2014_Jul	2022_Jul	DISP_L3_N; XTBL_L3_DATES
CONDITION	13,704,334	24MAR2023	13,508,687	1,655,050	0	REPORT_DATE	2014_Jan	2022_Oct	COND_L3_N; XTBL_L3_DATES
DEATH_CAUSE	71,462	24MAR2023	71,462	71,462	---	---	---	---	DEATHC_L3_N
PRO_CM	2,891,790	24MAR2023	2,891,790	246,590	715,932	PRO_DATE	2015_Nov	2022_Nov	PROCM_L3_N; XTBL_L3_DATES
PROVIDER	99,536	20MAR2023	99,536	---	---	---	---	---	PROV_L3_N
MED_ADMIN	133,153,118	24MAR2023	130,842,192	1,436,327	5,541,753	MEDADMIN_ START_DATE	2013_Dec	2022_Nov	MEDADM_L3_N; XTBL_L3_DATES
OBS_CLIN	10,549,777	24MAR2023	10,249,738	314,025	704,755	OBSCLIN_START_ DATE	2014_Jan	2022_Oct	OBSCLIN_L3_N; XTBL_L3_DATES
OBS_GEN	1,420,428	29MAR2023	1,400,850	288,710	700,425	OBSGEN_START_ DATE	2014_Feb	2022_Oct	OBSGEN_L3_N; XTBL_L3_DATES
PCORNET_TRIAL	989	02MAR2023	959	958	---	---	---	---	TRIAL_L3_N

^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 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	2,685,256	30MAR2023	2,685,256	2,685,256	---	---	---	---	HASH_L3_N
LDS_ADDRESS_HISTORY	19,646,216	24MAR2023	19,646,216	2,684,510	---	---	---	---	LDSADRS_L3_N
IMMUNIZATION	11,960,184	24MAR2023	11,858,385	1,297,964	4,530,129	VX_RECORD_DATE	2014_Jul	2022_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.

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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)	48,081,030	35.0	219,589,906	75.4	200,637,881	71.8
ED (Emergency Dept)	2,580,225	1.9	11,342,293	3.9	13,918,001	5.0
EI (ED to IP Stay)	336,747	0.2	6,073,183	2.1	3,778,865	1.4
IC (Institutional Professional Consult)	0		0		0	
IP (Inpatient Hospital Stay)	751,210	0.5	8,386,635	2.9	6,253,128	2.2
IS (Non-acute Institutional Stay)	1,507,304	1.1	15,894,578	5.5	17,656,527	6.3
OA (Other Ambulatory Visit)	80,739,752	58.7	14,773,805	5.1	20,854,647	7.5
OS (Observation Stay)	435,711	0.3	4,997,139	1.7	11,524,631	4.1
TH (Telehealth)	1,277,814	0.9	3,520,816	1.2	1,378,391	0.5
Missing, NI, UN or OT	1,829,060	1.3	6,754,288	2.3	3,277,047	1.2
Total	137,538,853		291,332,643		279,279,118	
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)	48,081,030	2,405,514	20.0	42,604,351	34,251,094	1.24	ENC_L3_ENCTYPE
ED (Emergency Dept)	2,580,225	948,021	2.7	70	70	1.00	ENC_L3_ENCTYPE
EI (ED to IP Stay)	336,747	193,229	1.7	303	303	1.00	ENC_L3_ENCTYPE
IC (Institutional Professional Consult)	0	0		0	0		ENC_L3_ENCTYPE
IP (Inpatient Hospital Stay)	751,210	507,815	1.5	27,854	27,423	1.02	ENC_L3_ENCTYPE
IS (Non-acute Institutional Stay)	1,507,304	77,034	19.6	807,696	533,320	1.51	ENC_L3_ENCTYPE
OA (Other Ambulatory Visit)	80,739,752	2,224,457	36.3	55,126,465	50,953,492	1.08	ENC_L3_ENCTYPE
OS (Observation Stay)	435,711	138,266	3.2	266,591	159,904	1.67	ENC_L3_ENCTYPE
TH (Telehealth)	1,277,814	411,243	3.1	1,270,353	1,268,495	1.00	ENC_L3_ENCTYPE
Missing, NI, UN or OT	1,829,060	511,728	3.6	1,517,764	1,222,278	1.24	ENC_L3_ENCTYPE

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