

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	1,555,827		DEM_L3_N
Age			DEM_L3_AGEYRSDIST1
Mean	42		
Median	40		
Age group			DEM_L3_AGEYRSDIST2
0-4	44,366	2.9	
5-14	138,503	8.9	
15-21	125,596	8.1	
22-64	936,150	60.2	
65+	311,212	20.0	
Missing	0	0.0	
Hispanic			DEM_L3_HISPDIST
N (No)	1,095,584	70.4	
Y (Yes)	195,853	12.6	
Missing or Refused	264,390	17.0	
Sex			DEM_L3_SEXDIST
F (Female)	810,430	52.1	
M (Male)	745,048	47.9	
Missing or Ambiguous	349	0.0	
Race			DEM_L3_RACEDIST
White	1,101,492	70.8	
Non-White	92,653	6.0	
Missing or Refused	361,682	23.2	

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	1,039,765	71.2	
Non-White	87,652	6.0	
Missing or Refused	332,669	22.7	
Gender Identity			DEM_L3_GENDERDIST
GQ (Genderqueer/Non-Binary)	0	0.0	
M (Man)	105,331	6.8	
W (Woman)	140,328	9.0	
MU (Multiple gender categories), SE (Something else), TF (Transgender female/Trans woman/Male-to-female), or TM (Transgender male/Trans man/Female-to-male)	2,735	0.2	
Missing or Refused	1,307,433	84.1	
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	1,555,827	100.0	

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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 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	1,109,238	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	485,514	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	903,272	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	811,522	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	534,994	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	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	7,735,321		
Height (inches), mean	64		
Height (inches), median	66		
Weight measurements			VIT_L3_WT_DIST
Records	9,318,568		
Weight (lbs.), mean	175		
Weight (lbs.), median	172		
Body Mass Index (BMI) measurements			VIT_L3_BMI
Records	8,125,934		
BMI <=25	3,281,995	40.4	
BMI 26-30	2,209,617	27.2	
BMI >=31	2,634,322	32.4	

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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	1,555,827	30MAR2023	1,555,827	1,555,827	---	BIRTH_DATE	1941_Jun	2015_Jul	DEM_L3_N; XTBL_L3_DATES
ENROLLMENT	1,555,827	30MAR2023	1,473,802	1,473,802	---	ENR_START_DATE^	2011_Mar	2022_Aug	ENR_L3_N; XTBL_L3_DATES
ENCOUNTER	24,245,661	30MAR2023	21,683,090	1,460,086	21,683,090	ADMIT_DATE	2014_Feb	2022_Nov	ENC_L3_N; XTBL_L3_DATES
DIAGNOSIS	87,785,851	30MAR2023	79,412,337	1,415,602	20,098,053	ADMIT_DATE	2014_Feb	2022_Nov	DIA_L3_N; XTBL_L3_DATES
PROCEDURES	93,595,506	30MAR2023	83,057,834	1,334,132	18,981,948	ADMIT_DATE	2014_Jan	2022_Nov	PRO_L3_N; XTBL_L3_DATES
DEATH	40,516	30MAR2023	40,516	37,477	---	DEATH_DATE	2014_May	2022_Sep	DEATH_L3_N; XTBL_L3_DATES
VITAL	14,773,493	30MAR2023	13,369,716	1,256,838	13,369,716	MEASURE_DATE	2014_Jan	2022_Nov	VIT_L3_N; XTBL_L3_DATES
LAB_RESULT_CM	170,566,980	30MAR2023	151,367,204	874,343	5,253,373	RESULT_DATE	2014_Jan	2022_Dec	LAB_L3_N; XTBL_L3_DATES
PRESCRIBING	51,135,478	30MAR2023	44,631,485	992,929	7,392,819	RX_ORDER_DATE	2013_Dec	2022_Nov	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	255,563,147	30MAR2023	246,295,381	997,154	---	DISPENSE_DATE	2014_Nov	2022_Jul	DISP_L3_N; XTBL_L3_DATES
CONDITION	3,443,701	30MAR2023	3,184,753	739,536	1,948,729	REPORT_DATE	2013_Oct	2022_Sep	COND_L3_N; XTBL_L3_DATES
PRO_CM	272	30MAR2023	272	46	46	PRO_DATE	2016_Aug	2017_Apr	PROCM_L3_N; XTBL_L3_DATES
PROVIDER	6,811	30MAR2023	6,811	---	---	---	---	---	PROV_L3_N
MED_ADMIN	40,975,320	30MAR2023	40,946,285	586,911	2,485,900	MEDADMIN_ START_DATE	2014_Nov	2022_Oct	MEDADM_L3_N; XTBL_L3_DATES
OBS_CLIN	173,115,809	30MAR2023	154,458,390	1,190,182	10,972,723	OBSCLIN_START_ DATE	2014_Feb	2022_Nov	OBSCLIN_L3_N; XTBL_L3_DATES
OBS_GEN	2,521,981	30MAR2023	2,302,621	858,318	405,584	OBSGEN_START_ DATE	2014_Apr	2023_Mar	OBSGEN_L3_N; XTBL_L3_DATES
PCORNET_TRIAL	5,975	30MAR2023	5,975	5,954	---	---	---	---	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	1,555,827	30MAR2023	1,555,827	1,555,827	---	---	---	---	HASH_L3_N
LDS_ADDRESS_HISTORY	2,765,493	30MAR2023	2,765,493	1,545,152	---	---	---	---	LDSADRS_L3_N
IMMUNIZATION	5,313,269	30MAR2023	5,313,269	702,731	1,193,759	VX_RECORD_DATE	2022_Sep	2023_Jan	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)	20,214,340	93.2	63,609,168	80.1	51,561,520	62.1
ED (Emergency Dept)	569,733	2.6	2,734,599	3.4	4,857,286	5.8
EI (ED to IP Stay)	96,282	0.4	4,189,400	5.3	9,123,326	11.0
IC (Institutional Professional Consult)	0		0		0	
IP (Inpatient Hospital Stay)	349,795	1.6	7,113,399	9.0	16,889,138	20.3
IS (Non-acute Institutional Stay)	0		0		0	
OA (Other Ambulatory Visit)	0		0		0	
OS (Observation Stay)	0		0		0	
TH (Telehealth)	452,138	2.1	1,765,762	2.2	626,554	0.8
Missing, NI, UN or OT	802	0.0	9	0.0	10	0.0
Total	21,683,090		79,412,337		83,057,834	
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)	20,214,340	1,371,911	14.7	18,500,156	16,417,336	1.13	ENC_L3_ENCTYPE
ED (Emergency Dept)	569,733	237,327	2.4	512,534	481,751	1.06	ENC_L3_ENCTYPE
EI (ED to IP Stay)	96,282	62,528	1.5	94,773	94,769	1.00	ENC_L3_ENCTYPE
IC (Institutional Professional Consult)	0	0		0	0		ENC_L3_ENCTYPE
IP (Inpatient Hospital Stay)	349,795	198,503	1.8	336,074	319,041	1.05	ENC_L3_ENCTYPE
IS (Non-acute Institutional Stay)	0	0		0	0		ENC_L3_ENCTYPE
OA (Other Ambulatory Visit)	0	0		0	0		ENC_L3_ENCTYPE
OS (Observation Stay)	0	0		0	0		ENC_L3_ENCTYPE
TH (Telehealth)	452,138	166,751	2.7	405,085	404,915	1.00	ENC_L3_ENCTYPE
Missing, NI, UN or OT	802	50	16.0	2	2	1.00	ENC_L3_ENCTYPE

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