

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	5,295,478		DEM_L3_N
Age			DEM_L3_AGEYRSDIST1
Mean	49		
Median	48		
Age group			DEM_L3_AGEYRSDIST2
0-4	141,895	2.7	
5-14	422,012	8.0	
15-21	402,398	7.6	
22-64	2,689,693	50.8	
65+	1,631,271	30.8	
Missing	8,209	0.2	
Hispanic			DEM_L3_HISPDIST
N (No)	2,294,726	43.3	
Y (Yes)	54,874	1.0	
Missing or Refused	2,945,878	55.7	
Sex			DEM_L3_SEXDIST
F (Female)	2,776,773	52.4	
M (Male)	2,493,960	47.1	
Missing or Ambiguous	24,745	0.4	
Race			DEM_L3_RACEDIST
White	3,291,703	62.2	
Non-White	861,406	16.2	
Missing or Refused	1,142,369	21.6	

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.

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	2,314,258	66.8	
Non-White	639,174	18.5	
Missing or Refused	509,128	14.7	
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	5,295,478	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	5,295,478	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	2,405,645	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	1,156,192	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	1,901,093	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	1,738,315	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	1,113,829	XTBL_L3_DASH3
Patients with diagnosis data	Percentage of patients with encounters who have at least 1 diagnosis	85%	ENC_L3_N; DIA_L3_N
Patients with procedure data	Percentage of patients with encounters who have at least 1 procedure	64%	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	16,280,799		
Height (inches), mean	64		
Height (inches), median	66		
Weight measurements			VIT_L3_WT_DIST
Records	22,038,714		
Weight (lbs.), mean	166		
Weight (lbs.), median	170		
Body Mass Index (BMI) measurements			VIT_L3_BMI
Records	12,480,444		
BMI <=25	4,448,288	35.6	
BMI 26-30	3,272,705	26.2	
BMI >=31	4,759,451	38.1	

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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	5,295,478	31MAR2023	5,295,478	5,295,478	---	BIRTH_DATE	1927_Nov	2015_Jan	DEM_L3_N; XTBL_L3_DATES
ENROLLMENT	5,295,474	31MAR2023	3,395,770	3,395,770	---	ENR_START_DATE^	1900_Jan	2021_Nov	ENR_L3_N; XTBL_L3_DATES
ENCOUNTER	158,942,982	31MAR2023	124,770,938	3,462,560	124,770,938	ADMIT_DATE	2013_Oct	2022_Jun	ENC_L3_N; XTBL_L3_DATES
DIAGNOSIS	243,504,615	31MAR2023	203,592,972	2,939,534	37,321,959	ADMIT_DATE	2013_Dec	2022_Aug	DIA_L3_N; XTBL_L3_DATES
PROCEDURES	55,120,972	31MAR2023	45,032,297	2,204,425	20,751,944	ADMIT_DATE	2013_Dec	2022_Sep	PRO_L3_N; XTBL_L3_DATES
DEATH	185,084	31MAR2023	185,084	185,084	---	DEATH_DATE	2014_Jun	2022_Nov	DEATH_L3_N; XTBL_L3_DATES
VITAL	340,272,929	31MAR2023	291,248,528	2,710,695	18,997,012	MEASURE_DATE	2014_Feb	2022_Dec	VIT_L3_N; XTBL_L3_DATES
LAB_RESULT_CM	740,890,195	31MAR2023	558,682,553	1,873,823	11,485,703	RESULT_DATE	2013_Oct	2022_Mar	LAB_L3_N; XTBL_L3_DATES
PRESCRIBING	192,915,234	31MAR2023	160,059,555	2,620,809	16,700,706	RX_ORDER_DATE	2014_Jan	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	
CONDITION	53,675,381	31MAR2023	44,948,270	2,021,787	10,449,040	REPORT_DATE	2014_Feb	2022_May	COND_L3_N; XTBL_L3_DATES
PROVIDER	278,553	31MAR2023	278,553	---	---	---	---	---	PROV_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.

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	5,295,478	31MAR2023	5,295,478	5,295,478	---	---	---	---	HASH_L3_N
LDS_ADDRESS_HISTORY	5,126,124	31MAR2023	5,126,124	5,126,124	---	---	---	---	LDSADRS_L3_N
IMMUNIZATION	8,134,616	31MAR2023	5,277,312	794,367	2,300,094	VX_RECORD_DATE	2014_Jan	2022_Oct	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.

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 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)	107,042,550	85.8	138,419,178	68.0	34,939,577	77.6
ED (Emergency Dept)	3,839,134	3.1	27,768,353	13.6	1,582,913	3.5
EI (ED to IP Stay)	0		0		0	
IC (Institutional Professional Consult)	0		0		0	
IP (Inpatient Hospital Stay)	1,671,768	1.3	36,480,637	17.9	8,365,229	18.6
IS (Non-acute Institutional Stay)	0		0		0	
OA (Other Ambulatory Visit)	0		0		0	
OS (Observation Stay)	135,247	0.1	898,408	0.4	133,919	0.3
TH (Telehealth)	0		0		0	
Missing, NI, UN or OT	12,082,239	9.7	26,396	0.0	10,659	0.0
Total	124,770,938		203,592,972		45,032,297	
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)	107,042,550	3,147,765	34.0	86,019,507	69,672,494	1.23	ENC_L3_ENCTYPE
ED (Emergency Dept)	3,839,134	1,242,258	3.1	3,578,250	3,574,269	1.00	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)	1,671,768	765,772	2.2	1,577,617	1,573,770	1.00	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)	135,247	108,810	1.2	134,441	134,340	1.00	ENC_L3_ENCTYPE
TH (Telehealth)	0	0		0	0		ENC_L3_ENCTYPE
Missing, NI, UN or OT	12,082,239	605,135	20.0	11,741,727	3,009,856	3.90	ENC_L3_ENCTYPE

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