

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	4,088,141		DEM_L3_N
Age			DEM_L3_AGEYRSDIST1
Mean	37		
Median	34		
Age group			DEM_L3_AGEYRSDIST2
0-4	215,521	5.2	
5-14	608,923	14.9	
15-21	416,027	10.2	
22-64	2,186,905	53.5	
65+	660,765	16.1	
Missing	0	0.0	
Hispanic			DEM_L3_HISPDIST
N (No)	3,071,536	75.1	
Y (Yes)	487,692	11.9	
Missing or Refused	528,913	12.9	
Sex			DEM_L3_SEXDIST
F (Female)	2,073,995	50.7	
M (Male)	2,012,495	49.2	
Missing or Ambiguous	1,651	0.0	
Race			DEM_L3_RACEDIST
White	3,408,172	83.4	
Non-White	215,199	5.3	
Missing or Refused	464,770	11.4	

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	3,245,288	84.6	
Non-White	204,750	5.3	
Missing or Refused	385,695	10.1	
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	4,088,141	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	4,088,141	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.

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 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	3,023,042	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	1,673,184	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	2,603,946	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	2,356,099	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	1,754,050	XTBL_L3_DASH3
Patients with diagnosis data	Percentage of patients with encounters who have at least 1 diagnosis	100%	ENC_L3_N; DIA_L3_N
Patients with procedure data	Percentage of patients with encounters who have at least 1 procedure	98%	ENC_L3_N; PRO_L3_N

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.

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	10,404,348		
Height (inches), mean	60		
Height (inches), median	65		
Weight measurements			VIT_L3_WT_DIST
Records	14,411,036		
Weight (lbs.), mean	147		
Weight (lbs.), median	155		
Body Mass Index (BMI) measurements			VIT_L3_BMI
Records	20,946,993		
BMI <=25	8,909,410	42.5	
BMI 26-30	5,254,654	25.1	
BMI >=31	6,782,929	32.4	

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.

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	4,088,141	13FEB2022	4,088,141	4,088,141	---	BIRTH_DATE	1941_Jan	2017_May	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
ENROLLMENT	6,170,101	13FEB2022	5,828,266	3,838,143	---	ENR_START_DATE^	2010_Jan	2021_Mar	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
ENCOUNTER	82,680,317	13FEB2022	70,503,670	3,835,733	70,503,670	ADMIT_DATE	2012_Oct	2021_Sep	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
DIAGNOSIS	178,048,945	13FEB2022	152,565,787	3,820,211	59,698,999	ADMIT_DATE	2012_Oct	2021_Sep	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
PROCEDURES	275,405,110	13FEB2022	229,339,515	3,772,007	59,777,917	ADMIT_DATE	2012_Sep	2021_Aug	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
DEATH	161,917	13FEB2022	161,917	161,917	---	DEATH_DATE	2012_Oct	2021_Oct	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
VITAL	103,143,492	13FEB2022	87,430,851	3,446,545	17,673,960	MEASURE_DATE	2012_Sep	2021_Jun	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
LAB_RESULT_CM	418,807,940	13FEB2022	412,839,011	2,755,923	3,749,149	RESULT_DATE	2012_Sep	2021_Sep	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
PRESCRIBING	127,982,473	13FEB2022	109,146,559	3,217,189	4,553,703	RX_ORDER_DATE	2012_Sep	2021_Sep	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	62,179,932	13FEB2022	55,582,591	1,105,623	---	DISPENSE_DATE	2012_Dec	2021_Sep	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
CONDITION	22,570,184	13FEB2022	21,805,236	2,791,319	0	REPORT_DATE	2013_Mar	2021_Aug	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
DEATH_CAUSE	200,816	13FEB2022	200,816	50,845	---	---	---	---	XTBL_L3_REFRESH_DATE
PROVIDER	36,363	13FEB2022	36,363	---	---	---	---	---	XTBL_L3_REFRESH_DATE
OBS_CLIN	4,995,801	13FEB2022	4,941,835	261,358	0	OBSCLIN_START_DATE	2012_Nov	2020_Oct	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
PCORNET_TRIAL	1,003	13FEB2022	997	994	---	---	---	---	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	4,064,131	13FEB2022	4,064,131	4,064,131	---	---	---	---	XTBL_L3_REFRESH_DATE
LDS_ADDRESS_HISTORY	8,205,101	13FEB2022	8,205,101	4,085,759	---	---	---	---	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 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)	57,921,719	82.2	106,912,468	70.1	108,803,442	47.4
ED (Emergency Dept)	4,211,747	6.0	16,201,447	10.6	30,451,499	13.3
EI (ED to IP Stay)	0		0		0	
IC (Institutional Professional Consult)	0		0		0	
IP (Inpatient Hospital Stay)	1,843,970	2.6	16,201,014	10.6	63,084,678	27.5
IS (Non-acute Institutional Stay)	9,661	0.0	46,940	0.0	235,634	0.1
OA (Other Ambulatory Visit)	5,134,901	7.3	10,919,686	7.2	15,675,041	6.8
OS (Observation Stay)	0		0		0	
TH (Telehealth)	0		0		0	
Missing, NI, UN or OT	1,381,672	2.0	2,284,232	1.5	11,089,221	4.8
Total	70,503,670		152,565,787		229,339,515	
Source table	ENC_L3_ENCTYPE		DIA_L3_ENCTYPE		PRO_L3_ENCTTPE	

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

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)	57,921,719	3,421,487	16.9	54,317,959	48,528,770	1.12	ENC_L3_ENCTYPE
ED (Emergency Dept)	4,211,747	1,614,962	2.6	4,189,876	4,186,139	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)	1,843,970	1,023,091	1.8	1,843,485	1,840,580	1.00	ENC_L3_ENCTYPE
IS (Non-acute Institutional Stay)	9,661	4,642	2.1	9,657	9,647	1.00	ENC_L3_ENCTYPE
OA (Other Ambulatory Visit)	5,134,901	1,208,654	4.2	5,134,901	5,078,655	1.01	ENC_L3_ENCTYPE
OS (Observation Stay)	0	0		0	0		ENC_L3_ENCTYPE
TH (Telehealth)	0	0		0	0		ENC_L3_ENCTYPE
Missing, NI, UN or OT	1,381,672	671,123	2.1	1,357,970	1,337,267	1.02	ENC_L3_ENCTYPE

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 next to the sum of the above-threshold values or alone if all values are BT.