

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	4,491,723		DEM_L3_N
Age			DEM_L3_AGEYRSDIST1
Mean	39		
Median	37		
Age group			DEM_L3_AGEYRSDIST2
0-4	215,812	4.8	
5-14	690,402	15.4	
15-21	453,079	10.1	
22-64	2,387,630	53.2	
65+	744,158	16.7	
Missing	642	0.0	
Hispanic			DEM_L3_HISPDIST
N (No)	1,798,406	40.0	
Y (Yes)	1,095,997	24.4	
Missing or Refused	1,597,320	35.6	
Sex			DEM_L3_SEXDIST
F (Female)	2,409,466	53.6	
M (Male)	2,048,326	45.6	
Missing or Ambiguous	33,931	0.8	
Race			DEM_L3_RACEDIST
White	1,994,600	44.4	
Non-White	728,643	16.2	
Missing or Refused	1,768,480	39.4	

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	1,932,874	46.7	
Non-White	706,835	17.0	
Missing or Refused	1,496,521	36.1	
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	4,491,723	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	4,491,723	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	831,946	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	469,028	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	551,808	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	528,823	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	328,078	XTBL_L3_DASH3
Patients with diagnosis data	Percentage of patients with encounters who have at least 1 diagnosis	69%	ENC_L3_N; DIA_L3_N
Patients with procedure data	Percentage of patients with encounters who have at least 1 procedure	62%	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	5,372,085		
Height (inches), mean	66		
Height (inches), median	66		
Weight measurements			VIT_L3_WT_DIST
Records	5,849,733		
Weight (lbs.), mean	180		
Weight (lbs.), median	175		
Body Mass Index (BMI) measurements			VIT_L3_BMI
Records	5,836,377		
BMI <=25	2,123,623	36.4	
BMI 26-30	1,823,434	31.2	
BMI >=31	1,889,320	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	4,491,723	05JAN2022	4,491,723	4,491,723	---	BIRTH_DATE	1943_Jan	2016_Nov	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
ENROLLMENT	1,887,452	05JAN2022	1,887,452	1,887,452	---	ENR_START_DATE^	2010_Mar	2021_Mar	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
ENCOUNTER	128,359,501	05JAN2022	112,392,324	4,136,230	112,392,324	ADMIT_DATE	2012_Sep	2021_Sep	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
DIAGNOSIS	176,031,647	05JAN2022	157,499,726	2,848,929	47,686,990	ADMIT_DATE	2012_Sep	2021_Aug	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
PROCEDURES	151,182,794	05JAN2022	128,511,746	2,564,168	27,431,147	ADMIT_DATE	2012_Sep	2021_Jul	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
DEATH	38,832	05JAN2022	38,832	38,832	---	DEATH_DATE	2013_Mar	2021_Aug	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
VITAL	7,781,251	05JAN2022	7,038,545	827,038	7,038,545	MEASURE_DATE	2012_Oct	2021_Sep	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
LAB_RESULT_CM	208,648,135	05JAN2022	188,239,786	716,923	4,603,563	RESULT_DATE	2012_Nov	2021_Aug	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
PRESCRIBING	51,878,691	05JAN2022	47,184,363	794,568	9,831,931	RX_ORDER_DATE	2012_Nov	2021_Aug	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	171,921,916	05JAN2022	167,241,055	1,444,466	---	DISPENSE_DATE	2013_Dec	2021_Jun	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
CONDITION	7,266,152	05JAN2022	5,908,993	726,385	2,344,037	REPORT_DATE	2012_Oct	2021_Jun	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
PROVIDER	76,901	05JAN2022	76,901	---	---	---	---	---	XTBL_L3_REFRESH_DATE
MED_ADMIN	58,878,334	05JAN2022	52,257,295	394,440	2,637,045	MEDADMIN_START_DATE	2012_Oct	2021_Aug	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
OBS_CLIN	31,906,255	05JAN2022	28,840,485	668,030	6,285,023	OBSCLIN_START_DATE	2012_Oct	2021_Aug	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
OBS_GEN	5,645	05JAN2022	5,644	4,050	5,176	OBSGEN_START_DATE	2015_Jun	2021_Aug	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
PCORNET_TRIAL	57	05JAN2022	57	57	---	---	---	---	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.

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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	4,491,723	05JAN2022	4,491,723	4,491,723	---	---	---	---	XTBL_L3_REFRESH_DATE
LDS_ADDRESS_HISTORY	4,365,471	05JAN2022	4,365,471	4,365,471	---	---	---	---	XTBL_L3_REFRESH_DATE
IMMUNIZATION	2,108,275	05JAN2022	1,996,906	412,216	887,593	VX_RECORD_DATE	2015_Jan	2021_Dec	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.

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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)	33,049,931	29.4	77,145,455	49.0	38,467,192	29.9
ED (Emergency Dept)	1,602,345	1.4	5,781,502	3.7	3,820,062	3.0
EI (ED to IP Stay)	0		0		0	
IC (Institutional Professional Consult)	0		0		0	
IP (Inpatient Hospital Stay)	819,304	0.7	11,742,301	7.5	27,186,893	21.2
IS (Non-acute Institutional Stay)	0		0		0	
OA (Other Ambulatory Visit)	12,445,006	11.1	4,237,793	2.7	640,928	0.5
OS (Observation Stay)	0		0		0	
TH (Telehealth)	0		0		0	
Missing, NI, UN or OT	64,475,738	57.4	58,592,675	37.2	58,396,671	45.4
Total	112,392,324		157,499,726		128,511,746	
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)	33,049,931	1,704,565	19.4	32,839,436	28,748,932	1.14	ENC_L3_ENCTYPE
ED (Emergency Dept)	1,602,345	585,385	2.7	1,602,345	1,415,075	1.13	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)	819,304	292,633	2.8	804,468	703,287	1.14	ENC_L3_ENCTYPE
IS (Non-acute Institutional Stay)	0	0		0	0		ENC_L3_ENCTYPE
OA (Other Ambulatory Visit)	12,445,006	878,097	14.2	12,445,006	11,659,893	1.07	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	64,475,738	5,004,787	12.9	64,471,883	58,045,970	1.11	ENC_L3_ENCTYPE

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