

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	2,511,597		DEM_L3_N
Age			DEM_L3_AGEYRSDIST1
Mean	44		
Median	43		
Age group			DEM_L3_AGEYRSDIST2
0-4	92,530	3.7	
5-14	228,923	9.2	
15-21	164,477	6.5	
22-64	1,469,415	58.5	
65+	556,251	22.1	
Missing	1	0.0	
Hispanic			DEM_L3_HISPDIST
N (No)	2,279,410	90.8	
Y (Yes)	114,943	4.6	
Missing or Refused	117,244	4.7	
Sex			DEM_L3_SEXDIST
F (Female)	1,321,527	52.6	
M (Male)	1,189,988	47.4	
Missing or Ambiguous	82	0.0	
Race			DEM_L3_RACEDIST
White	2,024,951	80.6	
Non-White	342,000	13.7	
Missing or Refused	144,646	5.8	

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	2,024,944	80.6	
Non-White	341,997	13.7	
Missing or Refused	144,646	5.8	
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	2,511,597	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	2,511,597	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	1,876,416	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	985,057	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	1,743,693	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	1,655,854	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	1,321,474	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	15,815,687		
Height (inches), mean	64		
Height (inches), median	66		
Weight measurements			VIT_L3_WT_DIST
Records	28,707,664		
Weight (lbs.), mean	173		
Weight (lbs.), median	174		
Body Mass Index (BMI) measurements			VIT_L3_BMI
Records	15,491,272		
BMI <=25	5,419,988	35.0	
BMI 26-30	4,312,749	27.8	
BMI >=31	5,758,535	37.2	

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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	2,511,597	20DEC2021	2,511,597	2,511,597	---	BIRTH_DATE	1937_Oct	2015_Aug	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
ENROLLMENT	2,511,587	24DEC2021	2,511,587	2,511,587	---	ENR_START_DATE^	2013_Jan	2020_Dec	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
ENCOUNTER	120,136,214	22DEC2021	120,136,201	2,511,587	120,136,201	ADMIT_DATE	2013_Jul	2021_Jul	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
DIAGNOSIS	252,249,826	28DEC2021	252,249,825	2,434,096	54,715,568	ADMIT_DATE	2013_Jul	2021_Jul	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
PROCEDURES	232,107,061	24DEC2021	232,107,061	2,355,483	50,517,548	ADMIT_DATE	2014_Jan	2021_Aug	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
DEATH	141,014	22DEC2021	141,014	141,014	---	DEATH_DATE	2013_Sep	2021_Aug	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
VITAL	130,860,068	25DEC2021	130,860,068	2,266,922	25,884,011	MEASURE_DATE	2013_Jul	2021_Jun	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
LAB_RESULT_CM	276,296,248	24DEC2021	276,296,236	1,809,372	14,156,579	RESULT_DATE	2013_Jul	2021_Jul	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
PRESCRIBING	142,402,494	24DEC2021	142,402,493	2,144,113	35,382,985	RX_ORDER_DATE	2013_Jul	2021_Jul	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	765,791,818	27DEC2021	722,881,261	1,924,373	---	DISPENSE_DATE	2013_Jun	2021_May	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
CONDITION	12,220,723	24DEC2021	12,220,723	1,549,289	0	REPORT_DATE	2013_Sep	2021_Aug	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
DEATH_CAUSE	71,400	24DEC2021	71,400	71,400	---	---	---	---	XTBL_L3_REFRESH_DATE
PRO_CM	2,240,509	24DEC2021	2,240,509	214,865	556,520	PRO_DATE	2015_Aug	2021_Sep	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
PROVIDER	83,689	20DEC2021	83,689	---	---	---	---	---	XTBL_L3_REFRESH_DATE
MED_ADMIN	119,830,663	23DEC2021	119,830,663	1,355,908	5,081,710	MEDADMIN_START_DATE	2013_Aug	2021_Aug	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
OBS_CLIN	8,921,583	24DEC2021	8,815,633	280,362	613,507	OBSCLIN_START_DATE	2013_Sep	2021_Jul	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
OBS_GEN	1,023,528	31DEC2021	1,023,528	209,987	511,764	OBSGEN_START_DATE	2013_Oct	2021_Aug	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
PCORNET_TRIAL	980	28OCT2020	980	979	---	---	---	---	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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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	2,511,597	28DEC2021	2,511,597	2,511,597	---	---	---	---	XTBL_L3_REFRESH_DATE
LDS_ADDRESS_HISTORY	18,822,196	22DEC2021	18,822,196	2,510,908	---	---	---	---	XTBL_L3_REFRESH_DATE
IMMUNIZATION	9,812,544	24DEC2021	9,812,544	1,196,810	4,017,396	VX_RECORD_DATE	2013_Dec	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.

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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)	35,549,266	29.6	120,455,260	47.8	140,090,148	60.4
ED (Emergency Dept)	2,211,760	1.8	9,994,886	4.0	10,427,000	4.5
EI (ED to IP Stay)	499,073	0.4	7,311,520	2.9	4,842,632	2.1
IC (Institutional Professional Consult)	0		0		0	
IP (Inpatient Hospital Stay)	732,307	0.6	6,095,721	2.4	4,851,386	2.1
IS (Non-acute Institutional Stay)	362,114	0.3	2,487,120	1.0	386,834	0.2
OA (Other Ambulatory Visit)	51,924,374	43.2	8,560,802	3.4	14,045,210	6.1
OS (Observation Stay)	375,363	0.3	4,140,255	1.6	8,595,672	3.7
TH (Telehealth)	862,400	0.7	2,489,237	1.0	927,741	0.4
Missing, NI, UN or OT	27,619,544	23.0	90,715,024	36.0	47,940,438	20.7
Total	120,136,201		252,249,825		232,107,061	
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)	35,549,266	2,091,396	17.0	32,455,113	27,336,149	1.19	ENC_L3_ENCTYPE
ED (Emergency Dept)	2,211,760	847,918	2.6	1,591	1,584	1.00	ENC_L3_ENCTYPE
EI (ED to IP Stay)	499,073	263,685	1.9	297	297	1.00	ENC_L3_ENCTYPE
IC (Institutional Professional Consult)	0	0		0	0		ENC_L3_ENCTYPE
IP (Inpatient Hospital Stay)	732,307	472,789	1.5	95,636	94,916	1.01	ENC_L3_ENCTYPE
IS (Non-acute Institutional Stay)	362,114	51,695	7.0	347,476	347,272	1.00	ENC_L3_ENCTYPE
OA (Other Ambulatory Visit)	51,924,374	2,005,184	25.9	39,295,537	37,156,675	1.06	ENC_L3_ENCTYPE
OS (Observation Stay)	375,363	127,291	2.9	218,555	131,194	1.67	ENC_L3_ENCTYPE
TH (Telehealth)	862,400	331,980	2.6	856,775	855,389	1.00	ENC_L3_ENCTYPE
Missing, NI, UN or OT	27,619,544	1,935,251	14.3	15,744,925	12,390,855	1.27	ENC_L3_ENCTYPE

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