

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	2,406,452		DEM_L3_N
Age			DEM_L3_AGEYRSDIST1
Mean	44		
Median	43		
Age group			DEM_L3_AGEYRSDIST2
0-4	96,056	4.0	
5-14	220,145	9.1	
15-21	213,439	8.8	
22-64	1,341,390	55.7	
65+	535,386	22.2	
Missing	36	0.0	
Hispanic			DEM_L3_HISPDIST
N (No)	1,987,753	82.6	
Y (Yes)	284,854	11.8	
Missing or Refused	133,845	5.6	
Sex			DEM_L3_SEXDIST
F (Female)	1,339,547	55.7	
M (Male)	1,065,150	44.3	
Missing or Ambiguous	1,755	0.1	
Race			DEM_L3_RACEDIST
White	884,329	36.7	
Non-White	475,232	19.7	
Missing or Refused	1,046,891	43.6	

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	814,570	37.7	
Non-White	439,264	20.4	
Missing or Refused	907,155	42.0	
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	2,406,452	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	2,406,452	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	1,439,827	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	658,587	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	578,794	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	456,903	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	365,315	XTBL_L3_DASH3
Patients with diagnosis data	Percentage of patients with encounters who have at least 1 diagnosis	83%	ENC_L3_N; DIA_L3_N
Patients with procedure data	Percentage of patients with encounters who have at least 1 procedure	83%	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	4,359,927		
Height (inches), mean	61		
Height (inches), median	64		
Weight measurements			VIT_L3_WT_DIST
Records	4,818,699		
Weight (lbs.), mean	159		
Weight (lbs.), median	162		
Body Mass Index (BMI) measurements			VIT_L3_BMI
Records	4,283,216		
BMI <=25	1,699,291	39.7	
BMI 26-30	1,078,616	25.2	
BMI >=31	1,505,309	35.1	

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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		18DEC2021	2,406,452	2,406,452	---	BIRTH_DATE	1938_Dec	2015_Nov	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
ENROLLMENT		18DEC2021	2,173,696	2,173,696	---	ENR_START_DATE^	2004_Jan	2020_Oct	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
ENCOUNTER		18DEC2021	113,075,025	2,393,432	113,075,025	ADMIT_DATE	2007_Nov	2021_May	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
DIAGNOSIS		18DEC2021	68,217,227	1,989,369	29,580,232	ADMIT_DATE	2007_Apr	2020_Dec	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
PROCEDURES		18DEC2021	39,413,960	1,991,552	28,121,407	ADMIT_DATE	2006_Nov	2020_Nov	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
DEATH		18DEC2021	17,396	17,396	---	DEATH_DATE	2020_Dec	2021_Nov	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
VITAL		20MAR2021	26,980,741	942,614	5,134,595	MEASURE_DATE	2010_May	2020_Dec	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
LAB_RESULT_CM		24DEC2021	94,214,437	927,481	11,552,775	RESULT_DATE	2007_Oct	2021_Jun	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
PRESCRIBING		18DEC2021	9,114,549	883,661	3,976,370	RX_ORDER_DATE	2010_Sep	2021_Oct	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		18DEC2021	910,144	37,495	---	DISPENSE_DATE	2007_Sep	2021_Nov	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
CONDITION		18DEC2021	16,852,902	1,170,873	4,733,750	REPORT_DATE	2011_Apr	2021_Jun	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
PROVIDER		18DEC2021	11,372	---	---	---	---	---	XTBL_L3_REFRESH_DATE
MED_ADMIN		23DEC2021	264,536	20,647	30,664	MEDADMIN_START_DATE	2021_May	2021_Dec	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
OBS_CLIN		18DEC2021	58,884,526	1,134,763	8,657,943	OBSCLIN_START_DATE	2010_Dec	2021_Apr	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES

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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	
LDS_ADDRESS_HISTORY		18DEC2021	2,406,451	2,406,451	---	---	---	---	XTBL_L3_REFRESH_DATE
IMMUNIZATION		18DEC2021	3,338,917	333,587	2,342,145	VX_RECORD_DATE	2010_Sep	2021_Jan	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 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)	32,879,768	29.1	41,232,448	60.4	25,362,981	64.4
ED (Emergency Dept)	2,775,074	2.5	5,630,998	8.3	2,942,408	7.5
EI (ED to IP Stay)	0		0		0	
IC (Institutional Professional Consult)	0		0		0	
IP (Inpatient Hospital Stay)	8,346,942	7.4	21,248,533	31.1	10,991,496	27.9
IS (Non-acute Institutional Stay)	0		0		0	
OA (Other Ambulatory Visit)	51,694,690	45.7	205	0.0	137	0.0
OS (Observation Stay)	0		0		0	
TH (Telehealth)	512,116	0.5	0		0	
Missing, NI, UN or OT	16,866,435	14.9	105,043	0.2	116,938	0.3
Total	113,075,025		68,217,227		39,413,960	
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)	32,879,768	1,911,587	17.2	32,879,768	22,804,985	1.44	ENC_L3_ENCTYPE
ED (Emergency Dept)	2,775,074	590,835	4.7	2,775,074	2,322,920	1.19	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)	8,346,942	644,448	13.0	8,346,942	4,333,757	1.93	ENC_L3_ENCTYPE
IS (Non-acute Institutional Stay)	0	0		0	0		ENC_L3_ENCTYPE
OA (Other Ambulatory Visit)	51,694,690	1,962,307	26.3	51,694,690	35,111,720	1.47	ENC_L3_ENCTYPE
OS (Observation Stay)	0	0		0	0		ENC_L3_ENCTYPE
TH (Telehealth)	512,116	141,001	3.6	512,116	488,529	1.05	ENC_L3_ENCTYPE
Missing, NI, UN or OT	16,866,435	1,964,083	8.6	16,866,435	12,306,564	1.37	ENC_L3_ENCTYPE

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