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	1,502,020		DEM_L3_N
Age			DEM_L3_AGEYRSDIST1
Mean	43		
Median	41		
Age group			DEM_L3_AGEYRSDIST2
0-4	28,414	1.9	
5-14	145,991	9.7	
15-21	137,846	9.2	
22-64	894,415	59.5	
65+	295,354	19.6	
Missing	0	0.0	
Hispanic			DEM_L3_HISPDIST
N (No)	474,365	31.6	
Y (Yes)	826,399	55.0	
Missing or Refused	201,256	13.4	
Sex			DEM_L3_SEXDIST
F (Female)	797,647	53.1	
M (Male)	700,499	46.6	
Missing or Ambiguous	3,874	0.3	
Race			DEM_L3_RACEDIST
White	1,109,326	73.9	
Non-White	144,857	9.6	
Missing or Refused	247,837	16.5	

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	893,587	78.4	
Non-White	111,446	9.7	
Missing or Refused	135,303	11.9	
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	1,502,020	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	1,502,020	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	646,343	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	118,319	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	582,537	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	482,409	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	325,873	XTBL_L3_DASH3
Patients with diagnosis data	Percentage of patients with encounters who have at least 1 diagnosis	93%	ENC_L3_N; DIA_L3_N
Patients with procedure data	Percentage of patients with encounters who have at least 1 procedure	88%	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	15,386,856		
Height (inches), mean	63		
Height (inches), median	64		
Weight measurements			VIT_L3_WT_DIST
Records	25,481,912		
Weight (lbs.), mean	168		
Weight (lbs.), median	168		
Body Mass Index (BMI) measurements			VIT_L3_BMI
Records	2,461,527		
BMI <=25	770,796	31.3	
BMI 26-30	721,262	29.3	
BMI >=31	969,469	39.4	

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.

| | All Data | | Characterized Data | | | Characterized Data Range | | | |
Table	Records	Refresh Date	Records	Patients	Encounters	Field name	5th Percentile	95th Percentile	Source Tables
DEMOGRAPHIC	1,502,020	20JAN2022	1,502,020	1,502,020	---	BIRTH_DATE	1940_Feb	2013_Jan	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
ENROLLMENT	864,477	20JAN2022	712,765	712,765	---	ENR_START_DATE^	2005_Aug	2019_Dec	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
ENCOUNTER	24,114,091	20JAN2022	17,855,613	1,140,336	17,855,613	ADMIT_DATE	2012_Aug	2021_Mar	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
DIAGNOSIS	40,185,244	20JAN2022	32,813,756	1,059,661	12,377,312	ADMIT_DATE	2012_Aug	2020_Dec	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
PROCEDURES	42,912,388	20JAN2022	31,303,062	1,000,245	10,279,689	ADMIT_DATE	2012_Aug	2020_Jul	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
DEATH	23,406	20JAN2022	23,406	23,406	---	DEATH_DATE	2012_Nov	2021_Jun	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
VITAL	45,740,617	20JAN2022	34,132,202	967,696	9,206,919	MEASURE_DATE	2012_Aug	2020_Mar	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
LAB_RESULT_CM	193,153,981	20JAN2022	124,269,331	608,937	3,597,292	RESULT_DATE	2012_Aug	2020_May	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
PRESCRIBING	16,076,427	20JAN2022	12,215,254	685,946	5,397,518	RX_ORDER_DATE	2012_Aug	2020_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 | | | |
	Records	Refresh Date	Records	Patients	Encounters	Field name	5th Percentile	95th Percentile	Source Tables
DISPENSING	24,550,474	20JAN2022	23,931,519	356,395	---	DISPENSE_DATE	2013_Apr	2021_May	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
CONDITION	38,599,365	20JAN2022	37,568,894	952,761	13,048,080	REPORT_DATE	2014_Apr	2020_Jun	XTBL_L3_REFRESH_DATE; XTBL_L3_DATES
PROVIDER	21,423	20JAN2022	21,423	---	---	---	---	---	XTBL_L3_REFRESH_DATE
MED_ADMIN	29,508,729	20JAN2022	27,457,956	250,122	568,983	MEDADMIN_START_DATE	2012_Aug	2020_Feb	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 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 | | | |
	Records	Refresh Date	Records	Patients	Encounters	Field name	5th Percentile	95th Percentile	Source Tables
HASH_TOKEN	1,502,020	20JAN2022	1,502,020	1,502,020	---	---	---	---	XTBL_L3_REFRESH_DATE
LDS_ADDRESS_HISTORY	24,880,101	20JAN2022	24,880,101	1,424,840	---	---	---	---	XTBL_L3_REFRESH_DATE
IMMUNIZATION	2,058,731	20JAN2022	513,893	139,319	337,007	VX_RECORD_DATE	2015_Feb	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 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)	11,055,364	61.9	26,060,650	79.4	15,869,823	50.7
ED (Emergency Dept)	510,272	2.9	1,332,989	4.1	2,127,147	6.8
EI (ED to IP Stay)	0		0		0	
IC (Institutional Professional Consult)	0		0		0	
IP (Inpatient Hospital Stay)	267,467	1.5	944,907	2.9	9,445,837	30.2
IS (Non-acute Institutional Stay)	2	0.0	0		0	
OA (Other Ambulatory Visit)	2,973,967	16.7	993,389	3.0	1,028,292	3.3
OS (Observation Stay)	45,552	0.3	160,745	0.5	580,640	1.9
TH (Telehealth)	145,056	0.8	441,092	1.3	144,649	0.5
Missing, NI, UN or OT	2,857,933	16.0	2,879,984	8.8	2,106,674	6.7
Total	17,855,613		32,813,756		31,303,062	
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 IIIF. Lab Result Outliers, Selected Tests

This table includes PCORnet and DataMart results for selected LOINC codes^. These data support Data Check 2.06 (the median lab result values is an outlier). Results are displayed for lab groups which include at least one LOINC code that is an outlier. Data check exceptions are highlighted in blue and should be investigated and explained in the ETL ADD. The contents of the table are as follows:

a) EX_UCUM_UNITS: Displays the example units of measure provided by LOINC. Any unit of measure that can represent the property associated with the LOINC code (e.g., mass concentration) is valid.

b) Data Curation Normal Range: For non-pediatric DataMarts, this represents the range of normal lab test results based on the lowest value of the lower bounds and highest value of the upper bounds from three different clinical lab information sources for the example unit of measure shown here. For pediatric DataMarts, this information was provided by Cincinnati Children's Hospital.

c) PCORnet Results: Displays the Median, the Statistical Lower Bound (25th percentile-3*interquartile range), and the Statistical Upper Bound (75th percentile+3*interquartile range).

d) DataMart Results: Displays the N (number of records) and the Median and indicates whether the Median is an outlier. An outlier is defined as a median below both the Statistical and Clinical Lower Bound or above both the Statistical and Clinical Upper Bound.

Data Curation Lab Group	LAB LOINC	EX_ UCUM_ UNITS	Data Curation Normal Range Clinical Lower Bound	Clinical Upper Bound	PCORnet Results Median	Statistical Lower Bound	Statistical Upper Bound	DataMart Results N	Median	Outlier
No Lab Group contains a Data Check Exception										

'Source tables are LAB_L3_LOINC_RESULT_NUM and Q2_STAT_DLG_LOINC.

^LOINC codes belonging to the top 30 data curation lab groups (see Table 1G) for which PCORnet results are available. PCORnet results were calculated using results for all DataMarts approved as of May 5, 2021, and were calculated separately for pediatric DataMarts and non-pediatric DataMarts. Results were calculated for LOINC codes that had at least 1,000 records occurring in at least 2 pediatric DataMarts, or at least 10,000 records occurring in at least 5 non-pediatric DataMarts. Pediatric results are available for 90 LOINC codes; non-pediatric results are available for 105 LOINC codes.