

General Information

Data-types used in this document:

- Auto Integer: An auto-incrementing integer value. Generally used as a primary key.
- Integer: Contains an integer. Can be used as a primary key for a value that *cannot* be auto-incremented (like ProviderID) and must be manually assigned.
- Text: UTF-8 text field. Should assume that these hold, at most, 255 ASCII characters. The Text type in SQLite allows an unlimited number of characters.
- RefSet: Fields of this type are only allowed to take on values from a set of pre-determined values . Also known as a 'Reference Set'.
- Date: Contains dates and times. If the exact time is unknown, only the date should be filled in or, if a date and time are *required*, the time should be 12:01:00 AM.
- Boolean: Contains True or False values. NULLs are considered false. If NULLs need to be distinguished from True/False, a tri-state data-type must be used.
- Number: Contains a numeric value. Whether this is an integer or a float is specified in the definition of the field.

Highlighting

Table fields that are highlighted in **blue** are filled in by algorithms or are auto-incrementing values and *are not* filled in by Data Managers. Any values in these fields will be over-written by the algorithm results.

Table and Column Naming Style Guide

- Short, descriptive names.
- Try not to abbreviate.
- CamelCase for both table and column names.
- Primary and foreign keys are both named as: TableName_ID
- Foreign keys have the same name as the primary key that they point to.
- Columns that contain original text have "_orig" appended to their name. The field that they are coded into have the "_orig" replaced with "_calc".
- The only 'underscore' extensions that are used are "_ID", "_orig", and "_calc".
- Column names are not preceded by the table name unless they improve readability (or are the primary/foreign key)
- Column names should make sense when read out loud in the "TableName.ColumnName" format.
- No SQL keywords can be used as table/column names.
- No pluralization

Revision Notes:

- The CaseDetectionExcludeDiagnosisInDiagnosis, CaseDetectionExcludeDiagnosisInMeds, CaseDetectionReferral, and CaseDetectionSetup tables were added/modified to support the new CaseDetection algorithm.
- The PSCoding table was added to support the PatientStatus coding algorithm.

Table: Network

Table Notes:

- This table is filled by Central prior to database distribution amongst data managers
- Reference table for Network specific information

Field	Data-type	Definition	Field Notes
Network_ID	Number Primary Key	Unique identifier for each Network	<ul style="list-style-type: none">● Unique number assigned to each network from the central repository.● e.g. '9' for NS
NetworkName	Text	Name of the Network (ie. SAPCReN, MaRNet)	<ul style="list-style-type: none">● Name of the Network in Acronym form
GeographicArea	Text	Geographical area of the Network.	<ul style="list-style-type: none">● Examples... Southern Alberta; Northern Alberta; Maritimes, etc.

Table: Site

Table Notes:

- A master list of all the sites within the each network whose data has been sent to the central repository.
- This table will be maintained manually at each network.
 - New sites are added as they join the project.

Field	Data-type	Definition	Field Notes
Network_ID	Number Primary Key	Unique identifier for each Network	<ul style="list-style-type: none">● Unique number assigned to each network from the central repository.● e.g. '9' for NS
Site_ID	Number Primary Key	Unique identifier for each Site in the Site_ID format	<ul style="list-style-type: none">● Site_ID: Unique number assigned by the network to identify each of its sites.● e.g. '1' for first site● Site_ID remains constant across cycles
LocationType	RefSet	Type of location of the provider's practice.	<ul style="list-style-type: none">● Valid values are in the 'Value' field of the 'MasterLookup' table, TableName = 'Site', ColumnName= 'LocationType'● e.g. 'Primary Care Clinic', 'Walk-in Clinic'
LocationFSA	Text	First 3 digits of the postal code of the Site location.	<ul style="list-style-type: none">● e.g. 'X2X'
Province	RefSet	A unique 2-character province name.	<ul style="list-style-type: none">● Valid values are in the 'Value' field of the 'MasterLookup' table, TableName = 'Site', ColumnName= 'Province'● e.g. 'AB', 'NS'

Table: Cycle

Table Notes:

- This table is filled by Central repository prior to database distribution amongst data managers
- Reference table for Cycle specific information.
- Details for all past cycles held in this table. Future cycles populated if required.

Field	Data-type	Definition	Field Notes
Cycle_ID	Text Primary Key	Name of the Cycle	<ul style="list-style-type: none">● Follows the regular naming schema.● 2010-Q3, 2010-Q4, 2011-Q1, etc.
SequenceNumber	Number	Order in which the cycles appear chronologically	<ul style="list-style-type: none">● ie. Cycle 1 = 1; Cycle 2010-Q4 = 8; etc.
SchemaVersion	Text	The version of the database schema used for the cycle	<ul style="list-style-type: none">● 1.8; 2.0; etc.
CutoffDate	Date	Cut off date for which data will be extracted from the EMR	<ul style="list-style-type: none">● All data occurring before the cut-off date is to be extracted. Any data after the cut-off date is to be dropped.
SubmissionDate	Date	Date in which the local databases are to be submitted to the Central repository	<ul style="list-style-type: none">● This is the FINAL submission date, not the trial submission.
CurrentCycle	Boolean	Identification whether or not the cycle is the current cycle for the database	<ul style="list-style-type: none">● True or False

Table: SiteCycle

Table Notes:

- This table stores Cycle's information for each site within Network
- It allows to save extraction date for each cycle

Field	Data-type	Definition	Field Notes
SiteCycle_ID	Auto Integer Primary Key	Auto-incrementing integer	
Network_ID	Number Foreign Key	Foreign Key from the Network table	<ul style="list-style-type: none">● Only a Network_ID that exists in the Network table can be referenced here.● Cannot be null
Site_ID	Number Foreign Key	Foreign Key from the Site table	<ul style="list-style-type: none">● Only a Site_ID that exists in the Site table can be referenced here.● Cannot be null
Cycle_ID	Text Foreign Key	Foreign Key from the Cycle table	<ul style="list-style-type: none">● Only a Cycle_ID that exists in the Cycle table can be referenced here.● Cannot be null
ExtractionDate	Date	Data extraction date for specified Site	

Table: SiteEMR

Table Notes:

- This table is used to track EMR utilization by site
- Allows for tracking of EMR changes within sites

Field	Data-type	Definition	Field Notes
SiteEMR_ID	Auto Integer Primary Key	Auto-incrementing integer	
Network_ID	Number Foreign Key	Foreign Key from the Network table	<ul style="list-style-type: none">● Only a Network_ID that exists in the Network table can be referenced here.● Cannot be null
Site_ID	Number Foreign Key	Foreign Key from the Site table	<ul style="list-style-type: none">● Only a Site_ID that exists in the Site table can be referenced here.● Cannot be null
Cycle_ID	Text Foreign Key	Foreign Key from the Cycle table	<ul style="list-style-type: none">● Only a Cycle_ID that exists in the Cycle table can be referenced here.● Cannot be null
EMRName	RefSet	Name of the EMR used by the participating site	<ul style="list-style-type: none">● Med Access; WOLF; Jonoke; Nightingale; etc.● Valid values are in the 'Value' field of the 'MasterLookup' table, TableName = 'SiteEMR', ColumnName= 'EMRName'
Version	Text	Version of the EMR used for Cycle data	<ul style="list-style-type: none">● EMR system version
StartDate	Date	Date the site implemented the EMR	
EndDate	Date	Date the site stopped using the EMR	

Table: Provider

Table Notes:

- A master list of all providers whose data has been sent to the central repository.
- This table will be maintained manually at each network.
 - New providers are added as they join the project.
- As providers leave the project, previously submitted data will be maintained in the database, however no new information will be added from that time forward.
 - All collected records of all patients of past providers are imported from the databases generated in previous cycles. New records on those patients are ONLY collected if they transfer to a new, participating provider.

Field	Data-type	Definition	Field Notes
Provider_ID	Number Primary Key	Unique identifier for each provider in the Provider_ID format.	<ul style="list-style-type: none">● Provider_ID: Unique number assigned by each network to the providers in its sites.● e.g. '15'
BirthYear	Number	Provider's year of birth.	
Sex	RefSet	Provider's sex.	<ul style="list-style-type: none">● Valid values are in the 'Value' field of the 'MasterLookup' table, TableName = 'Provider', ColumnName= 'Sex'● e.g. "Male" or "Female".

Table: SiteProvider

Table Notes:

- This table will be maintained manually at each network.
- As new providers are added to the project or move between sites, changes are made to this table

Field	Data-type	Definition	Field Notes
SiteProvider_ID	Auto Integer Primary Key	Auto-incrementing integer	
Network_ID	Number Foreign Key	Foreign Key from the Network table	<ul style="list-style-type: none">● Only a Network_ID that exists in the Network table can be referenced here.● Cannot be null
Site_ID	Number Foreign Key	Foreign Key from the Site table	<ul style="list-style-type: none">● Only a Site_ID that exists in the Site table can be referenced here.● Cannot be null
Provider_ID	Text Foreign Key	Foreign Key from the Provider table	<ul style="list-style-type: none">● Only a Provider_ID that exists in the Provider table can be referenced here.● Cannot be null
ProviderType	RefSet	Role of this provider	<ul style="list-style-type: none">● Valid values are in the 'Value' field of the 'MasterLookup' table, TableName = 'SiteProvider', ColumnName= 'ProviderType'● e.g. 'Family Physician', 'Nurse Practitioner'
Role	RefSet	Role of this provider	<ul style="list-style-type: none">● For now, Role = ProviderType
StartDate	Date	Date that the provider starts participating in CPCSSN at the site	<ul style="list-style-type: none">● Can either be the date the provider began with CPCSSN or the date that the provider moved to a new site.
EndDate	Date	Date that the provider stops participating in CPCSSN at the site	<ul style="list-style-type: none">● Can either be the date the provider left CPCSSN or the date that the provider left the existing site.

Table: Patient

Table Notes:

- List of EMR patients whose primary provider is a consenting physician in the CPCSSN project (has an entry in the Provider table).

Field	Data-type	Definition	Field Notes
Patient_ID	Number Primary Key	Must be in this format: Patient_ID	<ul style="list-style-type: none">● Assign each patient a meaningless number. e.g. '123456'
Sex	RefSet	Patient's sex.	<ul style="list-style-type: none">● Valid values are in the 'Value' field of the 'MasterLookup' table, TableName = 'Patient', ColumnName= 'Sex'● e.g. 'Male' or 'Female'.
BirthYear	Number	4-digit year of patient's birth date.	<ul style="list-style-type: none">● Not null.● Must be greater than or equal to 1850.
OptedOut	Boolean	Has the patient opted out in any extraction	<ul style="list-style-type: none">● True or False
OptOutDate	Date	Date patient has opted out	

Table: PatientProvider

Table Notes:

- This table identifies which patients are assigned to which providers.

Field	Data-type	Definition	Field Notes
PatientProvider_ID	Auto Integer Primary Key	Auto-incrementing integer.	
Network_ID	Number Foreign Key	Foreign Key from the Network table	<ul style="list-style-type: none">● Only a Network_ID that exists in the Network table can be referenced here.● Cannot be null
Site_ID	Number Foreign Key	Foreign Key from the Site table	<ul style="list-style-type: none">● Only a Site_ID that exists in the Site table can be referenced here.● Cannot be null
Patient_ID	Text Foreign Key	Foreign Key from the Patient table	<ul style="list-style-type: none">● Only a Patient_ID that exists in the Patient table can be referenced here.● Cannot be null
Provider_ID	Text Foreign Key	Foreign Key from the Provider table	<ul style="list-style-type: none">● Only a Provider_ID that exists in the Provider table can be referenced here.● Cannot be null
StartDate	Date	Date that the provider starts providing care to the patient at this site.	
EndDate	Date	Date that the provider stops providing care to the patient at this site.	

Table: PatientDemographic

Table Notes:

- Changeable characteristics/demographics of the patients are stored here.

Field	Data-type	Definition	Field Notes
PatientDemographic_ID	Auto Integer Primary Key	Auto-incrementing integer.	
Network_ID	Number Foreign Key	Foreign Key from the Network table	<ul style="list-style-type: none"> ● Only a Network_ID that exists in the Network table can be referenced here. ● Cannot be
Site_ID	Number Foreign Key	Foreign Key from Site table	<ul style="list-style-type: none"> ● Only a Site_ID that exists in the Site table can be referenced here. ● Cannot be
Patient_ID	Number Foreign Key	Foreign Key from Patient table	<ul style="list-style-type: none"> ● Only a Patient_ID that exists in the Patient table can be referenced here. ● Cannot be
Cycle_ID	Text Foreign Key	Foreign Key from Cycle table	<ul style="list-style-type: none"> ● Only a Cycle_ID that exists in the Cycle table can be referenced here. ● Cannot be
Occupation	Text	Patient's occupation.	<ul style="list-style-type: none"> ● Extract this from the EMR if it is available.
HighestEducation	Text	Patient's highest education	<ul style="list-style-type: none"> ● Extract this from the EMR if it is available.
HousingStatus	Text	Patient's housing status.	<ul style="list-style-type: none"> ● Extract this from the EMR if it is available.
ResidenceFSA	Text	First 3 digits of the postal code of the patient.	<ul style="list-style-type: none"> ● e.g. 'X2X'
PatientStatus_orig	Text	Status of the patient	<ul style="list-style-type: none"> ● e.g: deceased, expired, active, hospital, transient, senior clinic. ● If both codes and description of codes are available(e.g. code=1, description=active), only use enter the description.
PatientStatus_calc	RefSet	Re-coding of PatientStatus_orig into consistent text.	<ul style="list-style-type: none"> ● Valid values are in the 'ColumnValue' field of the 'MasterLookup' table, TableName = 'PatientDemographic', ColumnName = 'PatientStatus_calc' ● e.g. 'Active', 'Deceased', etc.
Language	Text	Patient's primary language.	
Ethnicity	Text	Patient's ethnicity.	<ul style="list-style-type: none"> ● Extract this from the EMR if it is available.
DeceasedYear	Number	The Deceased year of a patient	
DateCreated	Date	EMR date stamp of the record..	

Table: AllergyIntolerance

Table Notes:

- All allergy and intolerance data for the patient.

Field	Data-type	Definition	Field Notes
AllergyIntolerance_ID	Auto Integer Primary Key	Auto-incrementing integer.	
Network_ID	Number Foreign Key	Foreign Key from Network table.	<ul style="list-style-type: none"> ● Only a Network_ID that exists in the Network table can be referenced here. ● Cannot be null
Site_ID	Number Foreign Key	Foreign Key from Site table.	<ul style="list-style-type: none"> ● Only a Site_ID that exists in the Site table can be referenced here. ● Cannot be null
Patient_ID	Number Foreign Key	Foreign Key from Patient table.	<ul style="list-style-type: none"> ● Only a Patient_ID that exists in the Patient table can be referenced here. ● Cannot be null
Encounter_ID	Number Foreign Key	Foreign Key from Encounter table.	<ul style="list-style-type: none"> ● Only an Encounter_ID that exists in the Encounter table can be used. ● May be null if the EMR does not have the data.
Cycle_ID	Text Foreign Key	Foreign Key from Cycle table.	<ul style="list-style-type: none"> ● Only an Cycle_ID that exists in the Cycle table can be used. ● Cannot be null
StartDate	Date	Date that the allergy was first identified.	
StopDate	Date	Date that the allergy was noted as inactive.	<ul style="list-style-type: none"> ● If an allergy is inactive and a StopDate cannot be found, the Status field must still be set to 'Inactive'.
DIN	Text	DIN number for the medication.	<ul style="list-style-type: none"> ● Extract this where available
Name_orig	Text	Name of the allergy exactly as it appears in the EMR.	
Name_calc	RefSet	Re-coded original text into consistent text.	<ul style="list-style-type: none"> ● To be coded in the future.
CodeType_orig	Text	CodeType of the allergy exactly as it appears in the EMR	<ul style="list-style-type: none"> ● e.g. 'ATC'
CodeType_calc	RefSet	Name of the code set that the Name_calc uses.	<ul style="list-style-type: none"> ● To be coded in the future..
Code_orig	Text	Code of the allergy exactly as it appears in the EMR	
Code_calc	RefSet	Code for the allergy in the CodeType_calc code set.	<ul style="list-style-type: none"> ● To be coded in the future.
Category	RefSet	The category of the allergy.	<ul style="list-style-type: none"> ● Valid values are in the 'Value' field of the 'MasterLookup' table, TableName = 'AllergyIntolerance', ColumnName= 'Category' ● e.g. 'Medication', 'Non-Medication', 'Medication Intolerance'
Severity	RefSet	The severity of the reaction.	<ul style="list-style-type: none"> ● Valid values are in the 'Value' field of the 'MasterLookup' table, TableName = 'AllergyIntolerance', ColumnName= 'Severity' ● e.g. 'Mild', 'Moderate', 'Severe'
AllergyStatus	RefSet	Current status of the allergy.	<ul style="list-style-type: none"> ● Valid values are in the 'Value' field of the 'MasterLookup' table, TableName = 'AllergyIntolerance', ColumnName= 'Status' ● e.g. 'Active', 'Inactive' ● If an allergy is inactive, this field is always filled in, even if no StopDate exists.
ReactionType	Text	The type of reaction that occurs with allergy.	<ul style="list-style-type: none"> ● e.g. 'Rash', 'Anaphylaxis', etc.
DateCreated	Date	EMR date stamp of the record.	

Table: Billing

Table Notes:

- All billing data submitted to the province for the patient.

Field	Data-type	Definition	Field Notes
Billing_ID	Auto Integer Primary Key	Auto-incrementing integer.	
Network_ID	Number Foreign Key	Foreign Key from Network table.	<ul style="list-style-type: none"> ● Only a Network_ID that exists in the Network table can be referenced here. ● Cannot be null
Site_ID	Number Foreign Key	Foreign Key from Site table.	<ul style="list-style-type: none"> ● Only a Site_ID that exists in the Site table can be referenced here. ● Cannot be null
Patient_ID	Number Foreign Key	Foreign Key from Patient table.	<ul style="list-style-type: none"> ● Only a Patient_ID that exists in the Patient table can be referenced here. ● Cannot be null
Encounter_ID	Number Foreign Key	Foreign Key from Encounter table.	<ul style="list-style-type: none"> ● Only an Encounter_ID that exists in the Encounter table can be used. ● May be null if the EMR does not have the data.
Cycle_ID	Text Foreign Key	Foreign Key from Cycle table.	<ul style="list-style-type: none"> ● Only an Cycle_ID that exists in the Cycle table can be used. ● Cannot be null
ServiceDate	Date	Date the billing was performed/submitted.	
ServiceCode	Text	Service code associated with the billing.	<ul style="list-style-type: none"> ● e.g. '03.03A' in Alberta.
DiagnosisText_orig		Text exactly as it appears in the EMR.	
DiagnosisText_calc	Text	Re-coding of DiagnosisText_orig into consistent text	<ul style="list-style-type: none"> ● To be coded in future
DiagnosisCodeType_orig	Text	Type of code for any diagnosis codes attached to the billing as it appears in the EMR.	<ul style="list-style-type: none"> ● e.g. "ICD9"
DiagnosisCodeType_calc	Text	Re-coding of DiagnosisCodeType_orig into consistent text.	<ul style="list-style-type: none"> ● To be coded in future
DiagnosisCode_orig	Text	Diagnosis code associated with the billing as it appears in the EMR.	<ul style="list-style-type: none"> ● e.g. "250.0"
DiagnosisCode_calc	Text	Re-coding of DiagnosisCode_orig into consistent text.	<ul style="list-style-type: none"> ● To be coded in future
DateCreated	Date	EMR date stamp of the record.	

Table: DiseaseCase

Table Notes:

- Patients in the Patient table who have one or more of the Index Diseases.
- Populated by the case detection algorithm.

Field	Data-type	Definition	Field Notes
DiseaseCase_ID	Auto Integer Primary Key	Auto-incrementing integer.	
Patient_ID	Number Foreign Key	Foreign Key from Patient table.	<ul style="list-style-type: none">● Only a Patient_ID that exists in the Patient table can be referenced here.● Cannot be null
Disease	RefSet	The Patient's chronic condition of interest to this database.	<ul style="list-style-type: none">● Valid values are in the 'Value' field of the 'MasterLookup' table, TableName = 'DiseaseCase', ColumnName= 'Disease'● e.g. 'COPD', 'Depression', 'Diabetes Mellitus'
DateOfOnset	Date	Date that the health condition began.	

Table: DiseaseCaseIndicator

Table Notes:

- Collects all of the reasons that a patient has been identified as having an index disease.
- Populated by the case detection algorithm.

Field	Data-type	Definition	Field Notes
DiseaseCaseIndicator_ID	Auto Integer Primary Key	Auto-incrementing integer.	
Patient_ID	Number Foreign Key	Foreign Key from Patient table.	<ul style="list-style-type: none">● Only a Patient_ID that exists in the Patient table can be referenced here.● Cannot be null
Disease	RefSet	The Patient's chronic condition of interest to this database	<ul style="list-style-type: none">● Valid values are in the 'Value' field of the 'MasterLookup' table, TableName = 'DiseaseCase', ColumnName= 'Disease'● e.g. 'COPD', 'Depression', 'Diabetes Mellitus'
IndicatorType	RefSet	General category that the indicator falls under.	<ul style="list-style-type: none">● e.g. "HealthCondition", "Medication", etc.● RefSet values are NOT in the MasterLookup table, they are the names of the table where the original record can be found.
IndicatorValue	Text	Data value from the original record.	
TableName	RefSet	Name of the table storing the original record.	
TableKey	Text	Primary key of the original record in the original table.	
DateCreated	Date	EMR date stamp of the original record.	

Table: Encounter

Table Notes:

- All encounters of the patient.
- An encounter is an interaction of the patient with a provider in some fashion. The provider does not need to be a participating provider.

Field	Data-type	Definition	Field Notes
Encounter_ID	Auto Integer Primary Key	Auto-incrementing integer.	
Network_ID	Number Foreign Key	Foreign key from the Network table	<ul style="list-style-type: none"> ● Only a Network_ID that exists in the Network table can be referenced here. ● Cannot be null
Site_ID	Number Foreign Key	Foreign key from the Site table	<ul style="list-style-type: none"> ● Only a Site_ID that exists in the Site table can be referenced here. ● Cannot be null
Patient_ID	Number Foreign Key	Foreign Key from the Patient table.	<ul style="list-style-type: none"> ● Only a Patient_ID that exists in the Patient table can be referenced here. ● Cannot be null
Provider_ID	Number Foreign Key	Responsible Provider for this encounter.	<ul style="list-style-type: none"> ● When the provider for the encounter is a provider in the Provider table, MUST use the same ID. ● If the provider for the encounter is not a CPCSSN-consenting provider, the value of '0' is assigned.
Cycle_ID	Text Foreign Key	Foreign key from the Cycle table	<ul style="list-style-type: none"> ● Only an Cycle_ID that exists in the Cycle table can be used. ● Cannot be null
EncounterDate	Date	Date the encounter occurred	
Reason_orig	Text	Text exactly as it appears in the EMR.	<ul style="list-style-type: none"> ● If there is more than one source of this data, then precede the entry with 'Patient: ' and 'Provider: ' as appropriate.
Reason_calc	RefSet	Re-coded or cleaned version of Reason_orig.	<ul style="list-style-type: none"> ● We will recode this in a future cycle, do not fill in. ● RefSet values are NOT in the MasterLookup table, they are the name of the coding set.
EncounterType	RefSet	How or where the encounter was conducted.	<ul style="list-style-type: none"> ● Valid values are in the 'Value' field of the 'MasterLookup' table, TableName = 'Encounter', ColumnName= 'EncounterType' ● e.g. 'Phone', 'Walk-In', 'ER Visit' ● Extract this data if available. ● If recoding is not straight forward, populate with original text and indicate this in the extraction notes.
DateCreated	Date	Date the record was created in the EMR	

Table: EncounterDiagnosis

Table Notes:

- All diagnoses resulting from an encounter with the patient.

Field	Data-type	Definition	Field Notes
EncounterDiagnosis_ID	Auto Integer Primary Key	Auto-incrementing integer.	
Network_ID	Number Foreign Key	Foreign key from the Network table	<ul style="list-style-type: none"> ● Only an Network_ID that exists in the Network table can be used. ● May be null if the EMR does not have the data.
Site_ID	Number Foreign Key	Foreign Key from Site table.	<ul style="list-style-type: none"> ● Only an Site_ID that exists in the Site table can be used. ● May be null if the EMR does not have the data.
Patient_ID	Number Foreign Key	Foreign Key from the Patient table.	<ul style="list-style-type: none"> ● Only an Patient_ID that exists in the Patient table can be used. ● Cannot be null
Encounter_ID	Number Foreign Key	Foreign Key from the Encounter table	<ul style="list-style-type: none"> ● Only an Encounter_ID that exists in the Encounter table can be used. ● May be null if the EMR does not have the data.
Provider_ID	Number Foreign Key	Responsible Provider for this encounter.	<ul style="list-style-type: none"> ● When the provider for the encounter is a provider in the Provider table, MUST use the same ID. ● If the provider for the encounter is not a CPCSSN-consenting provider, the value of '0' is assigned.
Cycle_ID	Text Foreign Key	Foreign key from the Cycle table.	<ul style="list-style-type: none"> ● Only an Cycle_ID that exists in the Cycle table can be used. ● Cannot be null.
DiagnosisText_orig	Text	Text exactly as it appears in the EMR.	<ul style="list-style-type: none"> ● This is the final physician diagnosis, not the presenting complaint of the visit.
DiagnosisText_calc	RefSet	Re-coding of DiagnosisText_orig into consistent text.	<ul style="list-style-type: none"> ● To be coded in the future. ● RefSet values are NOT in the MasterLookup table, they are from the associated coding set.
DiagnosisCodeType_orig	Text	Name of the code set from which the original diagnosis code was taken.	<ul style="list-style-type: none"> ● Populate this field ONLY if there is a value in the DiagnosisCodeOriginal field for this record. ● e.g. 'ICD9', 'SNOMED'
DiagnosisCodeType_calc	RefSet	Re-coding of DiagnosisCodeType_orig into consistent text.	<ul style="list-style-type: none"> ● To be coded in the future. ● RefSet values are NOT in the MasterLookup table, they are from the associated coding set.
DiagnosisCode_orig	Text	Original diagnosis code from EMR.	<ul style="list-style-type: none"> ● Populate this only if it is already available in the EMR. Do not clean any data.
DiagnosisCode_calc	RefSet	Re-coding of DiagnosisCode_orig into consistent text.	<ul style="list-style-type: none"> ● To be coded in the future. ● RefSet values are NOT in the MasterLookup table, they are from the associated coding set.
DateCreated	Date	EMR date stamp of the record.	

Table: Exam

Table Notes:

- Results of physical exams performed on the patient.
- Extract only the designated physical exams (see the MasterLookup Exam list).

Field	Data-type	Definition	Field Notes
Exam_ID	Auto Integer Primary Key	Auto-incrementing integer.	
Network_ID	Number Foreign Key	Foreign Key from the Network table.	<ul style="list-style-type: none"> ● Only a Network_ID that exists in the Network table can be referenced here. ● Cannot be null
Site_ID	Number Foreign Key	Foreign Key from the Site table	<ul style="list-style-type: none"> ● Only a Site_ID that exists in the Site table can be referenced here. ● Cannot be null
Patient_ID	Number Foreign Key	Foreign Key from Patient table.	<ul style="list-style-type: none"> ● Only a Patient_ID that exists in the Patient table can be referenced here. ● Cannot be null
Encounter_ID	Number Foreign Key	Foreign Key from Encounter table.	<ul style="list-style-type: none"> ● Only an Encounter_ID that exists in the Encounter table can be used. ● May be null if the EMR does not have the data.
Cycle_ID	Text Foreign Key	Foreign Key from the Cycle table.	<ul style="list-style-type: none"> ● Only an Cycle_ID that exists in the Cycle table can be used. ● Cannot be null.
Exam1	RefSet	Name of the physical exam; recoded into consistent text.	<ul style="list-style-type: none"> ● Valid values are in the 'Value' field of the 'MasterLookup' table, TableName = 'Exam', ColumnName= 'Exam1' ● e.g. 'BMI (kg/m^2)', 'dBP (mmHg)', 'Foot Exam', 'sBP (mmHg)'
Result1_orig	Text	Result of the physical exam.	<ul style="list-style-type: none"> ● Convert exam result into consistent units. Units are contained in the 'Exam' name.
Result1_calc	Text	Re-coding of Result1_orig.	<ul style="list-style-type: none"> ● Populated by Exam Coding algorithm.
Exam2	RefSet	Name of the paired physical exam.	<ul style="list-style-type: none"> ● Currently the only paired exam is blood pressure. ● 'Exam1' must be 'sBP (mmHg)' and 'Exam2' must be 'dBP (mmHg)'. ● Valid values are in the 'Value' field of the 'MasterLookup' table, TableName = 'Exam', ColumnName= 'Exam2' ● e.g. 'dBP (mmHg)'
Result2_orig	Text	Second result of paired physical exam.	<ul style="list-style-type: none"> ● Currently the only paired exam is blood pressure. ● 'Result1' must be the systolic result and 'Result2' must be the diastolic result.
Result2_calc	Text	Re-coding of Result2_orig.	<ul style="list-style-type: none"> ● Populated by Exam Coding algorithm.
UnitOfMeasure_orig	Text	Units that accompany the ExamResult.	<ul style="list-style-type: none"> ● Convert exam result into consistent units. Units are contained in the 'Exam' name.
UnitOfMeasure_calc	Text	Re-coding of UnitOfMeasure_orig.	<ul style="list-style-type: none"> ● Populated by Exam Coding algorithm.
PairingMethod		PairingMethod for physical exam.	<ul style="list-style-type: none"> ● Valid values are in the 'Value' field of the 'MasterLookup' table, TableName = 'Exam', ColumnName= 'PairingMethod' ● The PairingMethod is only filled in for exams that have paired results, e.g. blood pressures. This is only filled in when both Exam1 and Exam2 fields are populated. ● e.g. 'Algorithm', 'Pre-paired'
DateCreated	Date	EMR date stamp of the record.	

Table: HealthCondition

Table Notes:

- All health conditions of the patient.

Field	Data-type	Definition	Field Notes
HealthCondition_ID	Auto Integer Primary Key	Auto-incrementing integer.	
Network_ID	Number Foreign Key	Foreign Key from the Network table.	<ul style="list-style-type: none"> ● Only a Network_ID that exists in the Network table can be referenced here. ● Cannot be null
Site_ID	Number Foreign Key	Foreign Key from the Site table.	<ul style="list-style-type: none"> ● Only a Site_ID that exists in the Site table can be referenced here. ● Cannot be null
Patient_ID	Number Foreign Key	Foreign Key from the Patient table.	<ul style="list-style-type: none"> ● Only a Patient_ID that exists in the Patient table can be referenced here. ● Cannot be null
Encounter_ID	Number Foreign Key	Foreign Key from Encounter table.	<ul style="list-style-type: none"> ● Only an Encounter_ID that exists in the Encounter table can be used. ● May be null if the EMR does not have the data.
Cycle_ID	Text Foreign Key	Foreign Key from the Cycle table.	<ul style="list-style-type: none"> ● Only a Cycle_ID that exists in the Cycle table can be referenced here. ● Cannot be null
DiagnosisText_orig	Text	Text exactly as it appears in the EMR.	
DiagnosisText_calc	RefSet	Re-coding of DiagnosisText_orig into consistent text	<ul style="list-style-type: none"> ● Populated by health condition coding algorithm. ● RefSet values are NOT in the MasterLookup table, they are from the associated coding set.
DiagnosisCodeType_orig	Text	Name of the code set from which the original diagnosis code was taken.	<ul style="list-style-type: none"> ● Populate this field ONLY if there is a value in the DiagnosisCodeOriginal field for this record. ● e.g. 'ICD9', 'SNOMED'
DiagnosisCodeType_calc	RefSet	Re-coding of DiagnosisCodeType_orig into consistent text.	<ul style="list-style-type: none"> ● Populated by health condition coding algorithm.
DiagnosisCode_orig	Text	Original diagnosis code from EMR.	<ul style="list-style-type: none"> ● Populate this only if it is already available in the EMR. Do not clean any data.
DiagnosisCode_calc	RefSet	Re-coding of DiagnosisCode_orig into consistent text.	<ul style="list-style-type: none"> ● Populated by health condition coding algorithm. ● RefSet values are NOT in the MasterLookup table, they are from the associated coding set.
DateOfOnset	Date	Date that the health condition began.	
SignificantNegativeFlag	Boolean	An indicator that the Patient does NOT have this health condition.	<ul style="list-style-type: none"> ● 'True': does not have this condition. ● 'False'/NULL: has this condition.
ActiveInactiveFlag	RefSet	An indicator that the condition is active at the time of data extraction.	<ul style="list-style-type: none"> ● Valid options are in the 'Value' field of the 'MasterLookup' table, Category = 'ActiveInactiveFlag' ● If it is in the problem list, it is likely to be Active. If it is in the Past Medical History, it is likely to be Inactive.
DateCreated	Date	EMR date stamp of the record.	

Table: Lab

Table Notes:

- Results of lab tests relevant to Index Diseases.
- Extract only the designated lab tests (see the MasterLookup Lab.Name_calc list).
 - Currently the collected lab tests are only applicable to diabetes mellitus, but may be expanded in the future.

Field	Data-type	Definition	Field Notes
Lab_ID	Auto Integer Primary Key	Auto-incrementing integer.	
Network_ID	Number Foreign Key	Foreign Key from the Network table.	<ul style="list-style-type: none"> ● Only a Network_ID that exists in the Network table can be referenced here. ● Cannot be null
Site_ID	Number Foreign Key	Foreign Key from the Site table.	<ul style="list-style-type: none"> ● Only a Site_ID that exists in the Site table can be referenced here. ● Cannot be null
Patient_ID	Number Foreign Key	Foreign Key from the Patient table.	<ul style="list-style-type: none"> ● Only a Patient_ID that exists in the Patient table can be referenced here. ● Cannot be null
Encounter_ID	Number Foreign Key	Foreign Key from the Encounter table.	<ul style="list-style-type: none"> ● Only an Encounter_ID that exists in the Encounter table can be used. ● May be null if the EMR does not have the data.
Cycle_ID	Text Foreign Key	Foreign Key from the Cycle table.	<ul style="list-style-type: none"> ● Only a Cycle_ID that exists in the Cycle table can be referenced here. ● Cannot be null
PerformedDate	Date	Date that the lab test was done.	
Name_orig	Text	Text exactly as it appears in the EMR.	
Name_calc	RefSet	Re-coded Name_orig into consistent Name_calc	<ul style="list-style-type: none"> ● Valid values are in the 'Value' field of the 'MasterLookup' table, TableName = 'Lab', ColumnName= 'Name_calc' ● Populated by lab result coding algorithm
CodeType_orig	Text	CodeType text exactly as it appears in the EMR	
CodeType_calc	RefSet	Re-coded CodeType_orig into consistent CodeType_calc	<ul style="list-style-type: none"> ● Populated by lab result coding algorithm. ● RefSet values are NOT in the MasterLookup table, they are name of the coding set. ● e.g. 'LOINC', 'Life Labs Proprietary'
Code_orig	Text	Code text exactly as it appears in the EMR	
Code_calc	RefSet	Re-coded Code_orig into consistent Code_calc	<ul style="list-style-type: none"> ● Populated by lab result coding algorithm. ● RefSet values are NOT in the MasterLookup table, they are from the associated coding set.
TestResult	Text	Result of the lab test	
UpperNormal	Text	The highest lab result value that is considered normal.	<ul style="list-style-type: none"> ● May not be available.
LowerNormal	Text	The lowest lab result value that is considered normal.	<ul style="list-style-type: none"> ● May not be available.
NormalRange	Text	The original text containing both the upper and lower lab ranges in one record from the EMR	<ul style="list-style-type: none"> ● If upper and lower ranges are already given in separate fields, this field can be left blank
UnitOfMeasure	Text	Unit of measure for the value in the Name_calc field.	<ul style="list-style-type: none"> ● May not be available.
DateCreated	Date	EMR date stamp of the record.	

Table: MedicalProcedure

Table Notes:

- All procedures performed on the patient.

Field	Data-type	Definition	Field Notes
MedicalProcedure_ID	Auto Integer Primary Key	Auto-incrementing integer.	
Network_ID	Number Foreign Key	Foreign Key from the Network table.	<ul style="list-style-type: none"> ● Only an Network_ID that exists in the Network table can be used. ● May be null if the EMR does not have the data
Site_ID	Number Foreign Key	Foreign Key from the Site table.	<ul style="list-style-type: none"> ● Only an Site_ID that exists in the Site table can be used. ● May be null if the EMR does not have the data
CPCSSNPatientID	Number Foreign Key	Foreign Key from the Patient table.	<ul style="list-style-type: none"> ● Only a Patient_ID that exists in the Patient table can be referenced here. ● Cannot be null
Encounter_ID	Number Foreign Key	Foreign Key from the Encounter table.	<ul style="list-style-type: none"> ● Only an Encounter_ID that exists in the Encounter table can be used. ● May be null if the EMR does not have the data.
Cycle_ID	Text Foreign Key	Foreign Key from the Cycle table.	<ul style="list-style-type: none"> ● Only an Cycle_ID that exists in the Cycle table can be used. ● Cannot be null
PerformedDate	Date	Date that the procedure was performed.	
Name_orig	Text	Procedure text exactly as it appears in the EMR.	
Name_calc	RefSet	Re-coded Name_orig into consistent Name_calc.	<ul style="list-style-type: none"> ● Re-coding will be done in a future cycle.
DateCreated	Date	EMR date stamp of the record.	

Table: Medication

Table Notes:

- All medications prescribed for the patient.

Field	Data-type	Definition	Field Notes
Medication_ID	Auto Integer Primary Key	Auto-incrementing integer.	
Network_ID	Number Foreign Key	Foreign Key from the Network table.	<ul style="list-style-type: none"> ● Only a Network_ID that exists in the Patient table can be referenced here. ● Cannot be null
Site_ID	Number Foreign Key	Foreign Key from the Site table.	<ul style="list-style-type: none"> ● Only a Site_ID that exists in the Site table can be referenced here. ● Cannot be null
Patient_ID	Number Foreign Key	Foreign Key from the Patient table.	<ul style="list-style-type: none"> ● Only a Patient_ID that exists in the Patient table can be referenced here. ● Cannot be null
Encounter_ID	Number Foreign Key	Foreign Key from the Encounter table.	<ul style="list-style-type: none"> ● Only an Encounter_ID that is in the Encounter table can be used. ● May be null if the EMR does not have the data.
Cycle_ID	Text Foreign Key	Foreign Key from the Cycle table.	<ul style="list-style-type: none"> ● Only a Cycle_ID that exists in the Cycle table can be referenced here. ● Cannot be null
StartDate	Date	Date that the Patient started taking the medication	
StopDate	Date	Date that the Patient stopped taking the medication.	
Reason	Text	Reason that Patient was prescribed the medication.	<ul style="list-style-type: none"> ● Exact text as in the EMR, no cleaning for now.
DIN	Text	DIN number for the medication	<ul style="list-style-type: none"> ● Extract this where available
Name_orig	Text	Text exactly as it appears in the EMR.	
Name_calc	RefSet	Re-coded Name_orig into consistent Name_calc.	<ul style="list-style-type: none"> ● Populated by medication coding algorithm. ● RefSet values are NOT in the MasterLookup table, they are from the associated coding set.
CodeType_orig	Text	Original code set used in the EMR.	<ul style="list-style-type: none"> ● e.g. 'ATC'
CodeType_calc	RefSet	Re-coded CodeType_orig into consistent CodeType_calc.	<ul style="list-style-type: none"> ● Populated by medication coding algorithm. ● RefSet values are NOT in the MasterLookup table, they are the name of the coding set.
Code_orig	Text	Original code used in the EMR.	
Code_calc	RefSet	Re-coded Code_orig into consistent Code_calc.	<ul style="list-style-type: none"> ● Populated by medication coding algorithm. ● RefSet values are NOT in the MasterLookup table, they are from the associated coding set.
Strength	Text	Concentration of the medication.	<ul style="list-style-type: none"> ● e.g. 40
Dose	Text	Number of units of the medication to be taken.	<ul style="list-style-type: none"> ● e.g. 2
UnitOfMeasure	Text	Units used for the medication.	<ul style="list-style-type: none"> ● e.g. mg, ml
Frequency	Text	Frequency with which medication is to be taken.	<ul style="list-style-type: none"> ● e.g. bid, tid, q4hr
DurationCount	Number	Length of time that the patient should take the medication.	<ul style="list-style-type: none"> ● e.g. 10
DurationUnit	Text	The units of measure for the DurationCount.	<ul style="list-style-type: none"> ● e.g. 'days'

DispensedCount	Number	Number of units (as defined in DispensedForm) to be dispensed.	● e.g. 90
DispensedForm	RefSet	Form of dispensed medication.	● e.g. 'Vial', 'Tab', 'Capsule'
RefillCount	Number	Number of refills.	● e.g. 3
DateCreated	Date	EMR date stamp of the record.	

Table: Referral

Table Notes:

- All referrals made for the patient.
- Include only referrals made by this provider/practice. Exclude referrals made by specialists to another provider.

Field	Data-type	Definition	Field Notes
Referral_ID	Auto Integer Primary Key	Auto-incrementing integer.	
Network_ID	Number Foreign Key	Foreign Key from the Network table.	<ul style="list-style-type: none"> ● Only an Network_ID that exists in the Network table can be used. ● May be null if the EMR does not have the data
Site_ID	Number Foreign Key	Foreign Key from the Site table.	<ul style="list-style-type: none"> ● Only an Site_ID that exists in the Site table can be used. ● May be null if the EMR does not have the data
Patient_ID	Number Foreign Key	Foreign Key from the Patient table.	<ul style="list-style-type: none"> ● Only a Patient_ID that exists in the Patient table can be referenced here. ● Cannot be null
Encounter_ID	Number Foreign Key	Foreign Key from the Encounter table.	<ul style="list-style-type: none"> ● Only an Encounter_ID that exists in the Encounter table can be used. ● May be null if the EMR does not have the data.
Cycle_ID	Text Foreign Key	Foreign Key from the Cycle table.	<ul style="list-style-type: none"> ● Only an Cycle_ID that exists in the Cycle table can be used. ● Cannot be null
CompletedDate	Date	Date when the patient saw the provider to whom they were referred.	<ul style="list-style-type: none"> ● Extract if available in your EMR.
Name_orig	Text	Referral Text exactly as it appears in the EMR.	<ul style="list-style-type: none"> ● We want the reason for referral, not the entire referral letter.
Name_calc	RefSet	Re-code Name_orig into consistent Name_calc	<ul style="list-style-type: none"> ● Populated by the Referral Cleaning algorithm.
ConceptCode	RefSet	SNOMED concept code.	<ul style="list-style-type: none"> ● Populated by the Referral Cleaning algorithm.
DescriptionCode	RefSet	SNOMED description code.	<ul style="list-style-type: none"> ● Populated by the Referral Cleaning algorithm.
DateCreated	Date	EMR date stamp of the record.	

Table: RiskFactor

Table Notes:

- Risk factors recorded for the patient.
- Extract only the designated risk factors (see the MasterLookup RiskFactor list).

Field	Data-type	Definition	Notes
RiskFactor_ID	Auto Integer Primary Key	Auto-incrementing integer.	
Network_ID	Number Foreign Key	Foreign Key from the Network table.	<ul style="list-style-type: none"> ● Only a Network_ID that exists in the Network table can be referenced here. ● Cannot be null
Site_ID	Number Foreign Key	Foreign Key from the Site table.	<ul style="list-style-type: none"> ● Only a Site_ID that exists in the Site table can be referenced here. ● Cannot be null
Patient_ID	Number Foreign Key	Foreign Key from the Patient table.	<ul style="list-style-type: none"> ● Only a Patient_ID that exists in the Patient table can be referenced here. ● Cannot be null
Encounter_ID	Number Foreign Key	Foreign Key from Encounter table.	<ul style="list-style-type: none"> ● Only an Encounter_ID that exists in the Encounter table can be used. ● May be null if the EMR does not have the data.
Cycle_ID	Text Foreign Key	Foreign Key from the Cycle_ID table.	<ul style="list-style-type: none"> ● Only a Cycle_ID that exists in the Cycle table can be referenced here. ● Cannot be null
StartDate	Date	The date that the risk factor began.	
EndDate	Date	The date that the risk factor ended.	
Name_orig	Text	Risk factor name exactly as it appears in the EMR.	
Name_calc	RefSet	Re-code Name_orig into consistent Name_calc.	<ul style="list-style-type: none"> ● Valid values are in the 'Value' field of the 'MasterLookup' table, TableName = 'RiskFactor', ColumnName= 'RiskFactorName' ● Re-coding is currently performed by the individual Data Managers..
RiskFactorValue	Text	Measure of the risk factor	<ul style="list-style-type: none"> ● For example, if Risk Factor is 'smoker', value might be '3 pk/week' or '7/day'
RiskFactorStatus	RefSet	Is this a current or past risk?	<ul style="list-style-type: none"> ● Valid options are in the 'Value' field of the 'MasterLookup' table, Category = 'RiskStatus'
Frequency	Number	How often the patient is currently affected by the specified risk factor	<ul style="list-style-type: none"> ● For example, if the person currently smokes less than 3 packs per day, value would be "3"
FrequencyType	Text	For entries where a specific value is not provided, allows for the entry of a comparative description of frequency length	<ul style="list-style-type: none"> ● Possible values include: Greater than; Less than ● For example, if the person currently smokes less than 3 packs per day, value would be "Less than"
FrequencyUnit	Text	Frequency Unit of Measure	<ul style="list-style-type: none"> ● For example, if the person currently smokes less than 3 packs per day, value would be "Packs per day"
Duration	Number	Amount of time that the person has been affected by the specified risk factor	<ul style="list-style-type: none"> ● For example, if the person has been smoking for more than 10 years, value would be "10"
DurationType	Text	For entries where a specific value is not provided, allows for the entry of a comparative description of Duration length	<ul style="list-style-type: none"> ● Possible values include: Greater than; Less than ● For example, if the person has been smoking for more than 10 years, value would be "Greater than"
DurationUnit	Text	Duration Unit of Measure	<ul style="list-style-type: none"> ● For example, if the person has been smoking for more than 10 years, value would be "Years"

EndDuration	Number	Period of time since the person is no longer affected by the specified risk factor	<ul style="list-style-type: none"> ● For example, if the person has not had a drink for more than 5 years, value would be "5"
EndDurationType	Text	For entries where a specific value is not provided, allows for the entry of a comparative description of EndDuration length	<ul style="list-style-type: none"> ● Possible values include: Greater than; Less than ● For example, if the person has not had a drink for more than 5 years, value would be "Greater than"
EndDurationUnit	Text	EndDuration Unit of Measure	<ul style="list-style-type: none"> ● For example, if the person has not had a drink for more than 5 years, value would be "Years"
RiskDetails	Text	Any additional details regarding the risk factor	<ul style="list-style-type: none"> ● Possible entries include details regarding cessation attempts and type; relevant details to risk which currently may not fit structured fields, etc.
DateCreated	Date	EMR date stamp of the record.	

Table: Vaccine

Table Notes:

- All vaccinations given to the patient.

Field	Data-type	Definition	Field Notes
Vaccine_ID	Auto Integer Primary Key	Auto-incrementing integer.	
Network_ID	Number Foreign Key	Foreign Key from the Network table.	<ul style="list-style-type: none"> ● Only a Network_ID that exists in the Patient table can be referenced here. ● Cannot be null
Site_ID	Number Foreign Key	Foreign Key from the Site table.	<ul style="list-style-type: none"> ● Only a Site_ID that exists in the Site table can be referenced here. ● Cannot be null
Patient_ID	Number Foreign Key	Foreign Key from the Patient table.	<ul style="list-style-type: none"> ● Only a Patient_ID that exists in the Patient table can be referenced here. ● Cannot be null
Encounter_ID	Number Foreign Key	Foreign Key from the Encounter table.	<ul style="list-style-type: none"> ● Only an Encounter_ID that is in the Encounter table can be used. ● May be null if the EMR does not have the data.
Cycle_ID	Text Foreign Key	Foreign Key from the Cycle table.	<ul style="list-style-type: none"> ● Only a Cycle_ID that exists in the Cycle table can be referenced here. ● Cannot be null
GivenDate	Date	Date of vaccine administration.	
ExpiryDate	Date	Vaccine expiry date.	<ul style="list-style-type: none"> ● The vaccine-batch expiry date, printed on the box, not the end-date of vaccine efficacy.
Name_orig	Text	Text exactly as it appears in the EMR.	
Name_calc	RefSet	Re-coded Name_orig into consistent Name_calc.	● Populated by vaccine coding algorithm.
CodeType_orig	Text	Original code set used in the EMR.	● e.g. 'ATC'
CodeType_calc	RefSet	Re-coded CodeType_orig into consistent CodeType_calc.	● Populated by vaccine coding algorithm.
Code_orig	Text	Original code used in the EMR.	
Code_calc	RefSet	Re-coded Code_orig into consistent Code_calc.	● Populated by vaccine coding algorithm.
DIN	Text	DIN number for the vaccine.	● Extract this where available.
Dose	Text	Number of units/volumes of the administered vaccine.	● e.g. 0.1
UnitOfMeasure	Text	Units used for the vaccine.	<ul style="list-style-type: none"> ● e.g. mL
NotGiven	Boolean	Identifies whether vaccine administration was prevented.	<ul style="list-style-type: none"> ● e.g. 'Yes', 'No'
NotGivenReason	Text	Represents the reason a vaccine was not administered to a patient.	<ul style="list-style-type: none"> ● e.g. 'Patient Objection', 'Allergy', 'history of severe reaction'
Reaction	Text	Adverse reaction or event related to immunization.	<ul style="list-style-type: none"> ● e.g. 'Allergic', 'idiosyncratic', 'Intolerance', 'Overdose'
AdminSite	Text	Site of vaccine administration.	<ul style="list-style-type: none"> ● e.g. 'Left deltoid', 'Right gluteus'
Route	Text	Route of vaccine administration.	<ul style="list-style-type: none"> ● e.g. 'PO', 'IM', 'SC'
Lot	Text	The vaccine lot number.	<ul style="list-style-type: none"> ● e.g. 'C2274AA', 'M005060'

DateCreated	Date	EMR date stamp of the record.	
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Table: CaseDetectionDemographics

Table Notes:

- Includes demographics criteria for case detection algorithm.

Field	Data-type	Definition	Notes
CaseDetectionDemographics_ID	Auto Integer Primary Key	Auto-incrementing integer.	
Disease	RefSet	The Patient's chronic condition of interest to this database.	<ul style="list-style-type: none">● Valid values are in the 'Value' field of the 'MasterLookup' table, TableName = 'DiseaseCase', ColumnName= 'Disease'● e.g. 'COPD', 'Depression', 'Diabetes Mellitus'
Criteria	Text	Type of criteria	<ul style="list-style-type: none">● e.g. 'Age'
ComparisonOperator	Text	The Comparison operator of criteria	<ul style="list-style-type: none">● e.g. '>='
ComparisonValue	Text	The value of the operator	

Table: CaseDetectionDiagnosis

Table Notes:

- Includes Diagnosis codes for case detection algorithm

Field	Data-type	Definition	Notes
CaseDetectionDiagnosis_ID	Auto Integer Primary Key	Auto-incrementing integer.	
Disease	RefSet	The Patient's chronic condition of interest to this database	<ul style="list-style-type: none">● Valid values are in the 'Value' field of the 'MasterLookup' table, TableName = 'DiseaseCase', ColumnName= 'Disease'● e.g. 'COPD', 'Depression', 'Diabetes Mellitus'
DiagnosisCodeType_calc	Text	Type of Diagnosis	<ul style="list-style-type: none">● e.g. 'ICD9'
DiagnosisCode_calc	Text	Diagnosis code used in Case detection	
DiagnosisText_calc	Text	Standard text for diagnosis	
MinBillingOccurrences	Number	Minimum incidents of diagnosis in billing records	
WithinBillingYears	Number	Time period that the diagnosis occurs	

Table: CaseDetectionExcludeDiagnosisInDiagnosis

Table Notes:

- Includes list of diagnosis that will cause medication criteria if used alone not be sufficient criteria.

Field	Data-type	Definition	Notes
CaseDetectionExcludeDiagnosisInDiagnosis_ID	Auto Integer Primary Key	Auto-incrementing integer.	
Disease	RefSet		<ul style="list-style-type: none">● Valid values are in the 'Value' field of the 'MasterLookup' table, TableName = 'DiseaseCase', ColumnName= 'Disease'● e.g. 'COPD', 'Depression', 'Diabetes Mellitus'
DiagnosisCodeType_calc	Text		
DiagnosisCode_calc	Text		
DiagnosisText_calc	Text		
ExcludeIfMednotPresent	Boolean		

Table: CaseDetectionExcludeDiagnosisInMeds

Table Notes:

- **includes list of diagnosis that will cause medication criteria if used alone not be sufficient criteria.**

Field	Data-type	Definition	Notes
CaseDetectionExcludeDiagnosisInMeds_ID	Auto Integer Primary Key	Auto-incrementing integer.	
Disease	RefSet		<ul style="list-style-type: none">• Valid values are in the 'Value' field of the 'MasterLookup' table, TableName = 'DiseaseCase', ColumnName= 'Disease'• e.g. 'COPD', 'Depression', 'Diabetes Mellitus'
DiagnosisCodeType_calc	Text		
DiagnosisCode_calc	Text		
DiagnosisText_calc	Text		

Table: CaseDetectionLab

Table Notes:

- Includes list of labs used in case definition

Field	Data-type	Definition	Notes
CaseDetectionLab_ID	Auto Integer Primary Key	Auto-incrementing integer.	
Disease	RefSet	The Patient's chronic condition of interest to this database	<ul style="list-style-type: none">● Valid values are in the 'Value' field of the 'MasterLookup' table, TableName = 'DiseaseCase', ColumnName= 'Disease'● e.g. 'COPD', 'Depression', 'Diabetes Mellitus'
Name_calc	Text	Name of Standard Lab test	
Code_calc	Text	Lab code	
ComparisonOperator	Text	The Comparison operator of criteria	
ComparisonValue	Text	The Value of the operator	
MinOccurrences	Number	Minimum incidents of lab tests in lab records	
WithinYears	Number	Time period that the lab test occurs	

Table: CaseDetectionMedication

Table Notes:

- Includes list of medication used in case definition

Field	Data-type	Definition	Notes
CaseDetectionMedication_ID	Auto Integer Primary Key	Auto-incrementing integer.	
Disease	RefSet	The Patient's chronic condition of interest to this database	<ul style="list-style-type: none">● Valid values are in the 'Value' field of the 'MasterLookup' table, TableName = 'DiseaseCase', ColumnName= 'Disease'● e.g. 'COPD', 'Depression', 'Diabetes Mellitus'
DrugClass	Text	Class of medication	
Name_calc	Text	Name of medication	
Code_calc	Text	ATC code of medication	
Relevance	Text	Specificity of the medication	e.g. 'Highly Specific', 'Specific'

Table: CaseDetectionReferral

Table Notes:

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Field	Data-type	Definition	Notes
CaseDetectionReferral_ID	Auto Integer Primary Key	Auto-incrementing integer.	
Disease	RefSet		<ul style="list-style-type: none">• Valid values are in the 'Value' field of the 'MasterLookup' table, TableName = 'DiseaseCase', ColumnName= 'Disease'• e.g. 'COPD', 'Depression', 'Diabetes Mellitus'
Name_calc	Text		

Table: CaseDetectionSetup

Table Notes:

- Includes list of medication used in case definition

Field	Data-type	Definition	Notes
CaseDetectionSetup_ID	Auto Integer Primary Key	Auto-incrementing integer.	
Disease	RefSet	The Patient's chronic condition of interest to this database	<ul style="list-style-type: none">● Valid values are in the 'Value' field of the 'MasterLookup' table, TableName = 'DiseaseCase', ColumnName= 'Disease'● e.g. 'COPD', 'Depression', 'Diabetes Mellitus'
BillingCriteria	Boolean	If billing is used in Case Definition	
HealthConditionCriteria	Boolean	If health condition is used in Case Definition	
EncounterDiagnosisCriteria	Boolean		
MedicationCriteria	Boolean	If medication is used in Case Definition	
LabCriteria	Boolean	If Lab tests is used in Case Definition	
AgeCriteria	Boolean	If age is used in Case Definition	
ExcludeDiagnosisCriteriaInMedsSearch	Boolean	If diagnosis exclusion is used in Case Definition	
ExcludeDiagnosisCriteriaInDiagnosisSearch	Boolean		
ReferralCriteria	Boolean		
ExcludeCaseDiagnosedOnlyThroughMed	Boolean		

Table: PSCoding

Table Notes:

- Includes mapping between raw patient status data(PatientStatus_orig) and CPCSSN categories for patient status; will be used to code PatientStatus_calc.

Field	Data-type	Definition	Field Notes
PSCoding_ID	Auto Integer Primary Key	Auto-incrementing integer.	
Network_ID	Number Foreign Key	Foreign Key from the Network table.	
PatientStatus_orig	Text	Status of the patient	
PatientStatus_calc	RefSet	Re-coding of PatientStatus_orig into consistent text.	

Table: ReferralSNOMEDCoding

Table Notes:

- Includes SNOMED codes for referral cleaning algorithm.

Field	Data-type	Definition	Field Notes
ReferralSNOMEDCoding_ID	Auto Integer Primary Key	Auto-incrementing integer.	
QueryCode	Text	ID of the source query.	● Will only be used by code developer for future enhancements.
ItemText	Text	Text of the SNOMED item used to describe the referral.	● e.g. 'referral to plastic surgery service'
ConceptCode	Text	Concept Code of the SNOMED item used to describe the referral.	● e.g. 'referral to plastic surgery service'
DescriptionCode	Text	Description Code of the SNOMED item used to describe the referral.	● e.g. '306198005'