



TronsHealth

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TronsHealth

§170.315(b)(10) Electronic Health Information Export (EHI)

PREPARED FOR

ONC-ACB

ONC Certification

PREPARED DATE

Sep 11, 2024



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1. Overview

The EHI definition incorporates terms defined in the Health Insurance Portability and Accountability Act of 1996 and the HIPAA Rules used in the health care industry. It focuses on a set of health information that HIPAA covered entities and business associates currently collect, maintain, and make available for access, exchange, and use. For example, EHI is a subset of the same information (i.e., the Designated Record Set) that covered entities must make available for patients to access when they exercise their HIPAA right of access.

1.1. Key Requirements

- The patient's information should be individually identifiable, that is:
 - a. Maintained in electronic media or
 - b. Transmitted by electronic media
- Would be included in one of the following groups of records:
 - a. Medical records and billing records of a provider about individuals.
 - b. Enrollment, payment, claims adjudication, and case or medical management record systems maintained by or for a health plan.
 - c. Records are used in whole or in part, to make decisions about individuals.

1.2. Regulatory References

- HTI-1 Final Rule: 89 FR 1192 (December 13, 2023)
- USCDI Version: v3 (with v3.1 modifications per EO 14168)
- US Core IG: 6.1.0
- SMART App Launch: v2.0.0
- FHIR Bulk Data Access: v2.0.0
- C-CDA Companion Guide: Release 4.1

2. Importance

Unlike traditional paper-based records, EHI can be accessed instantaneously by authorized healthcare providers from multiple locations. This allows for quicker decision-making and coordination of care, especially in emergency situations where timely access to medical information can be critical, which helps

- Improved coordination of care
- Support for evidence-based medicine



- Patient empowerment

3. Implementation

The Electronic Health Information (EHI) Data Dictionary Export for TronsHealth allows users to easily export patient's demographics and clinical data such as insurances, encounters, problems, allergies, medications, immunizations, vitals, etc. Users can request to export individual patients or all patients for the practice.

Export data files are machine readable file formats in csv files for individual data of patients like allergies, problems, medications etc. The ability to export a CSV file is permitted to only authorized or admin level users. Users can export a zip file for both single and multiple patients regarding the practice if practice level permissions are granted to the user.

- The user accesses the TronsHealth Website using the URL on browser.
- The first screen a user encounters is a login page for authentication purpose. See fig 3.1



Fig 3.1

- User enters valid credentials in respective fields like username and password for authentication and authorization.
- Click Sign In. See Fig 3.2



Fig 3.2

- User successfully logs in to the system and a dashboard screen appears. See Fig 3.3

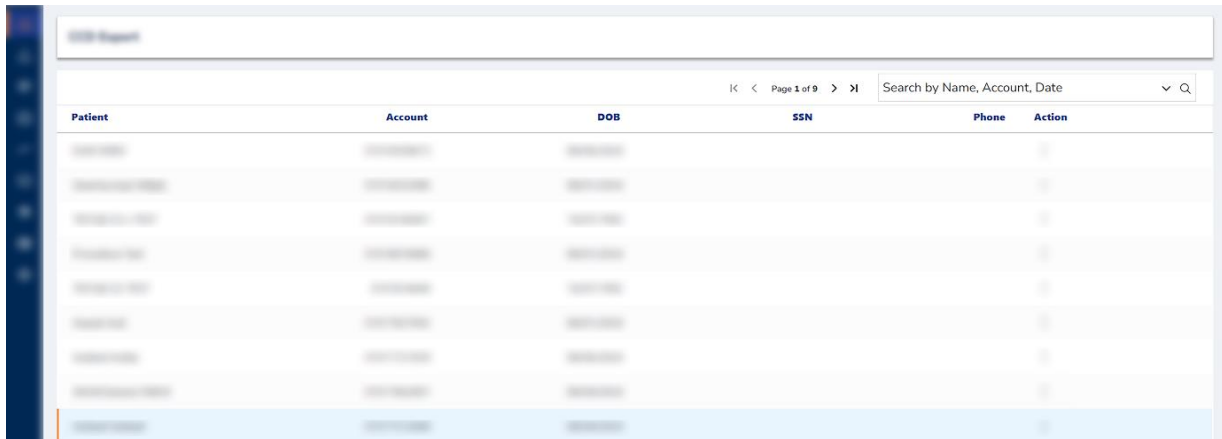


Fig 3.3

- Hover to the left of the blue bar to navigate through the system. See Fig 3.4

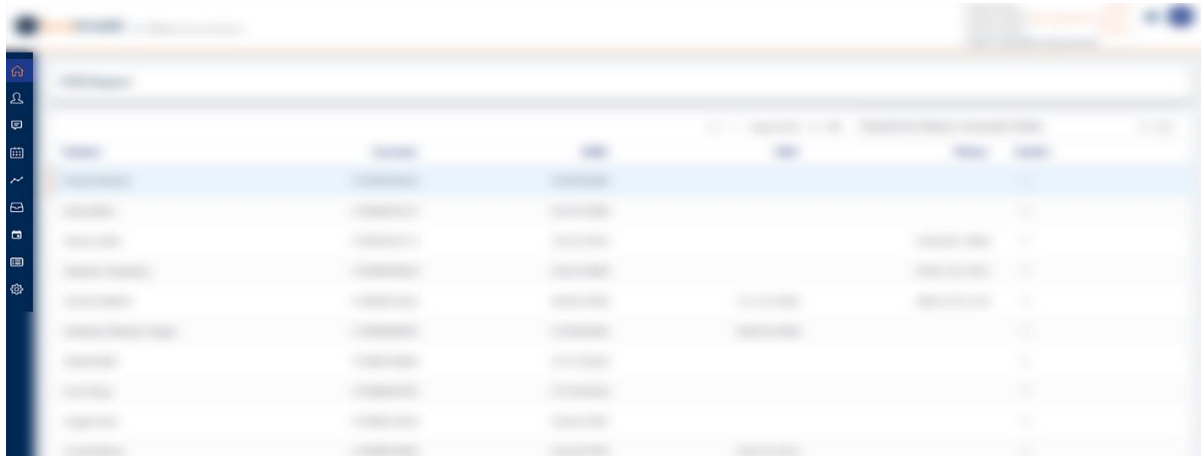



Fig 2.5

- Click on  icon.
- A blue side menu will appear with a blue background.
- Click on Electronic Health Information Export. See Fig 2.6

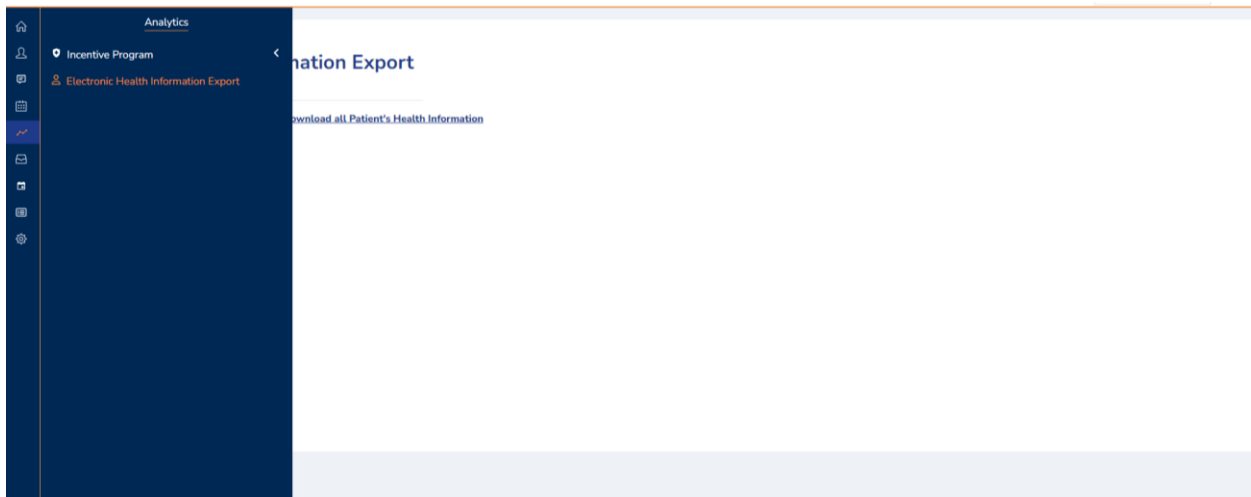


Fig 2.6

- EHI export screen will appear. See Fig 2.7



Fig 2.7

- Click on “Click here to select a Patient” for single patient data.
OR
- Click on “Click here to download all Patient’s Health Information. See fig 2.8



Fig 2.8

- A popup screen (modal) will appear.
- Select a patient whose data file should be exported. See fig 2.9

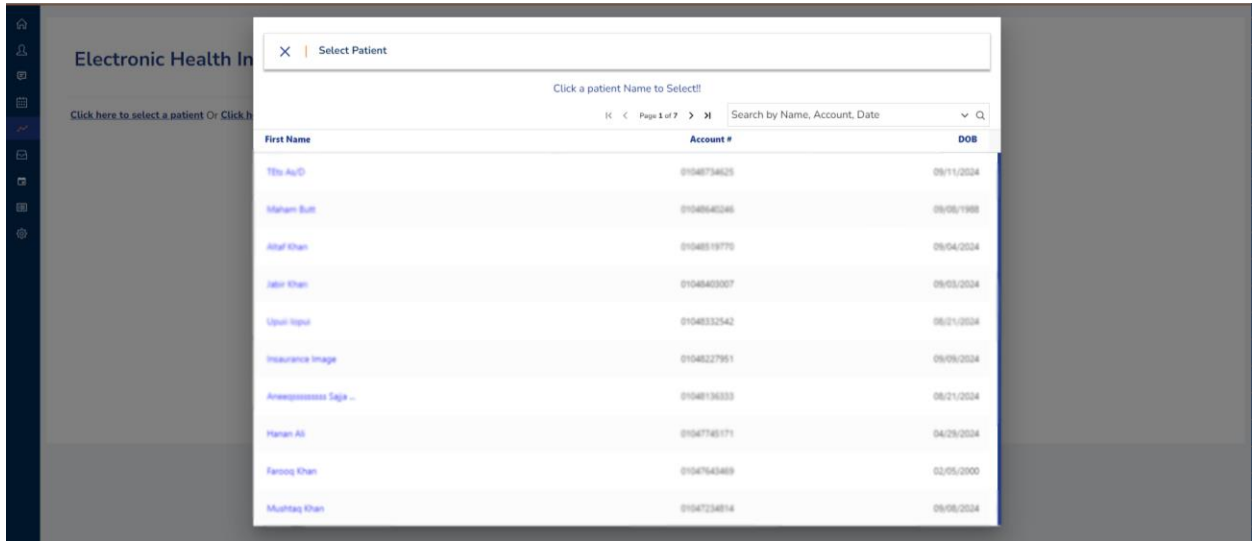


Fig 2.9

- Click on Patient Name on the left most column to select the patient.
- A patient will be selected.
- Click on Export to download the zip file of all the patient's data. See fig 2.10

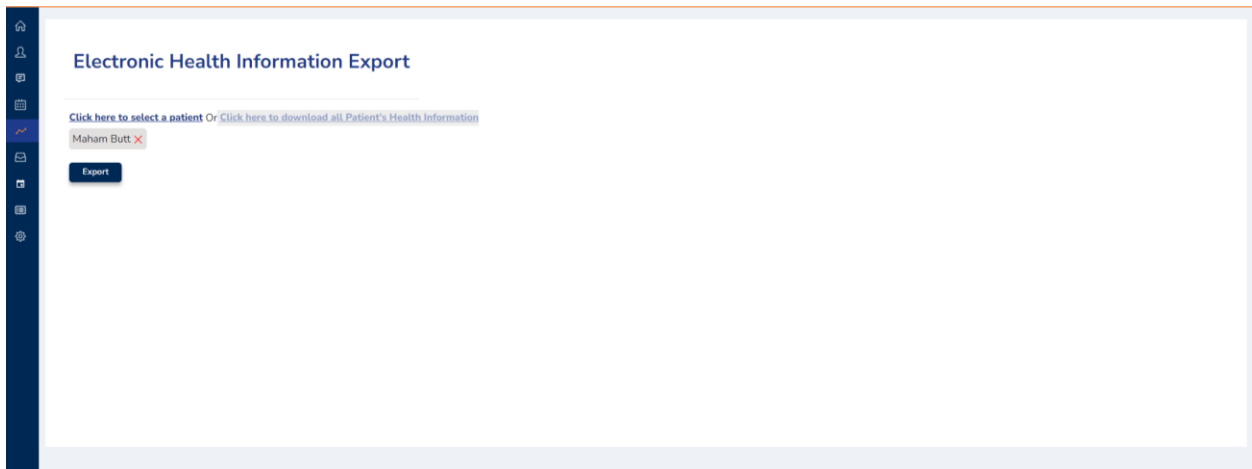


Fig 2.10

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3.1. Patient – Demographics

Field	Data Type	Detail
ID	long	A unique identifier is assigned to each patient.
AccountNumber	varchar	The account number associated with the patient's medical record.
PracticeID	list	The location or branch of the medical facility where the patient is registered.
TitleLookupName	varchar	Formal title of the patient (e.g., Mr., Mrs., Dr.).
Firstname	varchar	The patient's given name.
MiddleName	varchar	The middle name or initial of the patient.
LastName	varchar	The patient's surname.
SuffixLookupID	long	Code for the suffix of patient.
SexLookupId	long	Indicates the code of sex. Uses SNOMED CT codes: 248152002 (Female), 248153007 (Male), 184115007 (Unknown)..
SexName	varchar	The patient's sex at birth (Male, Female, Unknown).
DateOfBirth	datetime	The birth date of the patient.
DateOfDeath	datetime	The death date of the patient.
ReasonOfDeath	varchar	Reason of death of the patient e.g. heart attack.
SSN	varchar	A nine-digit number issued to U.S. citizens
MobileNumber	varchar	The patient's mobile phone number.
HomePhone	varchar	The patient's primary contact at their residence.
OfficePhone	varchar	The patient's phone number at their place of work.
Email	varchar	The patient's email address.
MaritalStatusName	varchar	The marital status of the patient (e.g., single, married).
IsLoginCreated	bool	Indicates if the patient profile is created for patient portal i.e. true or false.
addressLine1	varchar	The first line of the patient's residential address.
addressLine2	varchar	Any additional address details, like apartment number.
ZipCodeCities	varchar	City of residence.
ZipCodeStates	varchar	State or province of residence.
ZipCode	int	Postal or ZIP code of the residence.
InActive	boolean	Indicates if the patient is active i.e. true or false.



IsBlock	boolean	Indicates if the patient is blocked i.e. true or false.
BlockReason	varchar	Reason for which patient is blocked.
BlockedOn	datetime	The date & time, patient is blocked.
IsFlag	boolean	Indicates if the patient is flagged i.e. true or false.
ReligionName	varchar	Patient's religion to which they belong.
RaceName	nvarchar	The patient's racial background.
EthnicityName	varchar	The patient's ethnic background.
Ethnicity Category	varchar	The patient's ethnicity category.
LanguageName	varchar	The primary language spoken by the patient.
PreferredLanguage	varchar	The patient's preferred language for communication.
patientWallet	int	Amount patients have in their electronic wallet.
SuffixName	varchar	Any suffix to the patient's name (e.g., Jr., Sr.).
PreviousFirstName	varchar	Patient's previous first name (e.g., maiden name).
PreviousLastName	varchar	Patient's previous last name
TribalAffiliation	varchar	The patient's tribal affiliation, if applicable.
TribalAffiliationCode	varchar	Coded tribal affiliation using CDC Race & Ethnicity codes.
RelatedPersonName	varchar	Name of the patient's related person/caregiver. New USCDI v3 data element.
RelatedPersonRelationship	varchar	Relationship of the related person to the patient (e.g., parent, caregiver, guardian).
altAddressLine1	varchar	An alternate address for the patient.
altAddressLine2	varchar	Additional address details for the alternate address.
AlternateZipCode	int	Postal or ZIP code of the alternate address.
AlternateEmail	varchar	The patient's alternate email address.
AlternateMobileNumber	varchar	The patient's alternate mobile phone number.
ALternateHomePhone	varchar	The patient's alternate home phone of their residence.
ALternateOfficePhone	varchar	The patient's alternate phone number at their place of work.
CreatedBy	varchar	Username who has registered the patient in practice.



CreatedOn	datetime	Date & time patient, the patient is registered.
ModifiedBy	varchar	Username who has modified/updated the patient in practice.
ModifiedOn	datetime	Date & time patient, the patient is modified.
IsDeleted	boolean	Indicates if the patient is deleted i.e. true or false
UUID	varchar	The unique Identifier to track any changes occurred patient's demographics for audit and integrity purposes.

3.2. Patient – Medications

Field	Data Type	Detail
PatientID	long	A unique numerical identifier assigned to each patient, facilitating tracking and management of patient-specific medication records.
Account Number	varchar	A unique account number associated with the patient's medical record
StartDate	datetime	The exact date and time when the medication was first prescribed or started.
NDCID	varchar	Stands for National Drug Code, a unique product identifier for drugs in the U.S.
RouteCode	varchar	Route of administration based on form of the drug e.g. by mouth
LegendStatus	varchar	Legend status of drug i.e. rx or otc.
PatientInstructions	varchar	Instructions provided to patient with each medication.
Dose	varchar	The prescribed dose amount for the medication (e.g., 500, 2).
DoseUnit	varchar	Unit of measure for the dose (e.g., mg, mL, tablets).
MedicationAdherence	varchar	Whether the patient is adhering to the medication regimen (e.g., taking, not-taking, on-hold).
FillStatus	varchar	The fill status of the medication prescription (e.g., new, refill, partial-fill).
IsSigned	boolean	Indicates if the medicine is signed by provider i.e. true or false.
Prescriber	varchar	Provider who has prescribed the medications.
IsDelete	boolean	Indicates if the medicine is deleted i.e. true or false.
LastUpdatedDate Time	datetime	The date medication was updated, i.e. medication status updated, deleted or stopped.
Generic Medication Name	varchar	The generic name of the medication, if applicable.

IsCurrent	boolean	Indicates medication current status i.e. true or false (true indicates current while false indicates past medicine).
IsSyncd	boolean	Indicates if the medicines are synced i.e. true or false.
EndDate	datetime	The exact date and time when the medication was discontinued or ended.
Form	varchar	Physical appearance of the medicine i.e. table or solution
RxnormID	varchar	A normalized naming system for generic and branded medicines
GenericName	varchar	Generic name of the medicine for normalized conventions.
BrandName	varchar	The brand name of the medicine for health industry.
Status	varchar	Current status of the medicine.
Strength	varchar	The quantity of the drug with which e.g. 250mg, 2ml, 2 oral supplies etc.
Sig	varchar	The directions to follow by the provider to the patient for a given medication e.g. 4mg four times a day oral, 3 Qty tablets for 2 Day(s)
CreatedBy	varchar	Username who has recorded the patient's medications.
CreatedOn	datetime	Date & time patient, the patient's medications are recorded.
ModifiedBy	varchar	Username who has modified/updated the patient's medications
ModifiedOn	datetime	Date & time patient, the patient's medications are modified.
IsDeleted	boolean	Indicates if the medicine is deleted i.e. true or false
UUID	varchar	The unique Identifier to track any changes occurred patient's medication for audit and integrity purposes.

3.3. Patient – Allergies

Field	Data Type	Detail
PatientID	long	A unique identifier assigned to each patient in the database for individual identification.
PatientAccountNumber	int	The unique account number associated with the patient's medical record
NDCID	varchar	National Drug Code of the Drug allergy.
GroupID	long	Allergen group ID.
GroupName	varchar	Name of allergen the patient has with the drug.
AllergyName	varchar	The specific name or description of the allergy that the patient has.

AllergyType	varchar	Type of allergy, patient has i.e. food, drug or general.
RxNorm	varchar	A standardized coding system identifier for the specific allergen or substance.
Status	boolean	The current status of the allergy record, e.g., true or false
Reaction	varchar	Specific reactions the patient exhibits when exposed to the allergen e.g. skin rashes, itching or sneezing etc.
BrandName	varchar	Brand Name of the drug Allergy
Form	varchar	Physical form of the drug allergy i.e. solution or tablet.
Strength	varchar	The quantity of the drug with which the patient exhibits allergy e.g. 250mg, 2ml, 2 oral supplies etc.
RouteCode	varchar	Route of administration based on form of the drug e.g. by mouth
GenericName	varchar	Generic or casual name of that drug.
RcpialID	long	The unique ID assigned to Drug Allergy by Dr.first to handle patient's allergy history.
CriticalityLookupID	long	Criticality of the allergen, patient has
SeverityLookupID	long	Severity of the allergen, patient has
VerificationStatusLookupID	long	Verification Status of the allergen, patient has
CreatedBy	varchar	Username, who has associated/ recorded the allergy of patient.
CreatedOn	datetime	The date and time the allergy is associated/recorded on.
ModifiedBy	varchar	Username, who has updated/deleted the allergy of patient.
ModifiedOn	datetime	The date and time the allergy is modified i.e. deleted or updated.
UUID	varchar	The unique Identifier to track any changes occurred in allergies of patient for audit and integrity purposes.
IsDelete	boolean	Indicate if the allergy is deleted or not i.e. true or false.

3.4. Patient – Appointments

Field	Data Type	Detail
Practice	long	The name or designation of the medical practice or clinic where the appointment is scheduled.
PatientID	long	A unique identifier for the patient who the appointment is for.
PatientName	varchar	Name of the patient recorded against the patient id in database.

Email	varchar	Email of the patient.
PatientAccountNumber	varchar	The unique account number associated with the patient
Gender	varchar	Represents the gender of patient as per the HIPPA and ONC guidelines i.e. M for Male, F for Female and U for Unknown/Other
StatusLookupID	long	Code for the status of appointment.
StatusLookupValue	long	Status value for the appointment
ReasonID	long	Code for the Reason of appointment.
ProviderID	long	Provider ID associated with the appointment.
ProviderName	varchar	Name of the provider associated with the appointment.
PrimaryInsurance	long	Code of primary insurance of the patient associated in database record.
SecondaryInsuranceID	long	Code of secondary insurance of the patient associated in database record.
TertiaryID	long	Code of tertiary insurance of the patient associated in database record.
Comments	varchar	Any additional comments or notes related to the appointment.
IsFlag	boolean	Indicates if the patient is flagged or not i.e. true or false.
SlotID	varchar	Indicates the Slot ID i.e. in which slot the patient is scheduled.
CalendarID	long	Indicates the Calendar unique id in database for making slots available for scheduling.
ResourceID	long	Unique scheduler ID as per the calendar available in practice.
ReasonColor	varchar	Represents the unique color for every appointment reason exists in scheduler.
ReasonName	varchar	Reason for which the appointment is scheduled.
ApptStatusName	varchar	Status name of appointment i.e. checked In or checkedout
AppointmentDate	datetime	Date and time of the appointment on which appointment is made.
IsBlock	boolean	Indicates if the patient is blocked i.e. true or false.
AppointmentTime	varchar	Appointment duration for which the appointment is made e.g. 7:00 AM-7:15 AM or 4:00 AM-4:15 AM
ReasonGroupName	varchar	The reason GroupName for which the patient is scheduled
PracticeID	long	Practice Id in which the patient is scheduled.
BlockedOn	datetime	Date & time on which the patient is blocked for scheduling.

IsUnBlock	boolean	Indicates if the patient is unblocked i.e. true or false.
UnBlockedOn	datetime	Date & time on which the patient is unBlocked for scheduling.
BlockReason	varchar	The reason for which the patient is blocked.
UnBlockReason	varchar	The reason for which the patient is Unblocked.
CheckedInAt	datetime	Date & time on which the patient is checked in for his/her appointment.
CheckedOutAt	datetime	Date & time on which the patient is checked out for his/her appointment.
ElegibilityStatus	varchar	Status of the eligibility of patient's claim to insurance company.
CopayStatus	boolean	Indicates if the copay (a specific amount that should be paid to practice for appointment) is paid for the appointment i.e. true or false.
CopayAmount	int	Amount of copay paid by the patient for the appointment.
CreatedBy	varchar	Name of the user who has created the appointment.
CreatedOn	datetime	Date & time at which the appointment is made.
ModifiedBy	varchar	Name of the user who has made any modification in appointment.
ModifiedOn	datetime	Date & time on which the modification is made.
IsDeleted	boolean	Indicates if the appointment exists or deleted i.e. true or false
UUID	varchar	The unique Identifier to track any changes occurred in appointment for audit and integrity purposes.

3.5. Patient – Complaints

Field	Data Type	Detail
PatientID	long	A unique system identifier assigned to each patient.
Description	varchar	Provides a detailed textual description or narrative of the complaint.
Chief Complaint	varchar	Indicates whether the described issue is the primary or chief concern raised by the patient. This could be a binary 'Yes' or 'No' value.
Abbreviation	varchar	Short name for the complaint.
TypeLookupName	varchar	Type of complaint i.e. Infection or Symptom
GenderLookupName	varchar	Gender of the patient who has registered complaint.
CustomLookupName	varchar	Custom type of complaint i.e. SNOMED or IPC-2.
ListLookupName	varchar	Indicates the Priority of complaint.



Code	varchar	Short name for the complaint.
Weeks	boolean	Complaint is eligible for week i.e. true or false.
Months	boolean	A complaint is eligible for months i.e. true or false.
Years	boolean	Complaint is eligible for years i.e. true or false.
CreatedBy	varchar	Name of the user who has registered the patient complaint.
CreatedOn	datetime	Date & time at which the complaint is registered.
ModifiedBy	varchar	Name of the user who has made any modification in complaint.
ModifiedOn	datetime	Date & time on which the modification is made.
IsDeleted	boolean	Indicates if the complaint exists or deleted i.e. true or false
UUID	varchar	The unique Identifier to track any changes occurred in complaint for audit and integrity purposes.

3.6. Patient – Diagnosis

Field	Data Type	Detail
PractiseID	long	The medical facility or clinic where the diagnosis was made or documented.
Code	varchar	Unique diagnosis codes belong to SNOMED, ICD10 or ICD9.
PatientID	long	A unique identifier for each patient
PatientAccount Number	varchar	The unique account number associated with the patient
Description	varchar	A textual description of the diagnosis
Category	varchar	Category of the condition: Encounter Diagnosis, Problem List Item, or Health Concern. Required by USCDI v3 for granular scope support.
ClinicalStatus	varchar	Clinical status (e.g., active, recurrence, relapse, inactive, remission, resolved).
VerificationStatusLookupID	long	Indicates the code of verification status against the patient diagnosis i.e. confirmed, refuted or unconfirmed.
AppointmentID	long	Appointment in which patient diagnosis are made.
OnsetDate	datetime	Date when the condition first manifested.
AbatementDate	datetime	Date when the condition resolved or went into remission.
Status	boolean	Indicates whether the diagnosis is active i.e. true or false.
Type	varchar	The category or type of diagnosis, i.e. SNOMED, ICD10 or ICD9.
CreatedBy	varchar	Name of the user who has recorded diagnosis against the patient.
CreatedOn	datetime	Date & time at which the diagnosis was recorded.



ModifiedBy	varchar	Name of the user who has made any modification in diagnosis of patient.
ModifiedOn	datetime	Date & time on which the modification is made.
IsDeleted	boolean	Indicates if the diagnosis exists or deleted i.e. true or false
UUID	varchar	The unique Identifier to track any changes occurred in diagnosis for audit and integrity purposes.

3.7. Patient – Documents & Images

Field	Data Type	Detail
Document		All documents will be downloaded in their actual/native format i.e. image will be in png, jpeg or jpg under documents folder.

3.8. Patient – Immunization

Field	Data Type	Detail
PatientID	long	A unique identifier assigned to each patient, allowing for easy tracking of individual
PatientAccount Number	varchar	The account number associated with the patient's medical record.
StartDate	datetime	Date & time on which patient's immunization started.
ExpirationDate	datetime	Date & time on which patient's immunization expired/ended.
Vaccine	varchar	The specific code of the vaccine administered to the patient.
AmountAdministered	varchar	Amount dispatched for immunization.
RouteLookupID	long	Route Code of administration based on form of the immunization e.g. left arm.
CreatedBy	varchar	Name of the user who has registered vaccine against the patient.
CreatedOn	datetime	Date & time at which the vaccine was recorded.
ModifiedBy	varchar	Name of the user who has made any modification in vaccine of patient.
ModifiedOn	datetime	Date & time on which the modification is made.
IsDeleted	boolean	Indicates if the immunization's vaccine exists or deleted i.e. true or false
UUID	varchar	The unique Identifier to track any changes occurred in vaccine for audit and integrity purposes.

3.9. Patient – Insurances

Field	Data Type	Detail
Patient ID	int	Unique identifier assigned to each patient.
IsActive	boolean	Indicates if the insurance is active i.e. true or false.
IsReferralRequired	boolean	Indicates if the patient's insurance requires reference i.e. true or false.
MBI	varchar	MBI code for the insurance.
MemberID	varchar	Unique ID of the patient for insurance plan.
CoverageStatus	varchar	Current status of the insurance coverage (e.g., active, cancelled, entered-in-error).
CoverageType	varchar	Type of insurance coverage (e.g., medical, dental, vision, pharmacy).
SubscriberID	varchar	Unique identifier of the subscriber/policyholder.
PolicyEffectiveDate	datetime	Date & time from which the insurance policy will be effective.
PolicyExpirationDate	datetime	Date & time when the insurance policy will expire.
SignatureOnFileDate	datetime	Date & time when the insurance policy is signed with insurance company.
GroupNumber	varchar	Group number associated with the primary insurance plan.
EligibilityStatus	varchar	Description of eligibility status of patient's insurance/
IsSelf	boolean	Indicates if the insurance party is patient himself or any other person i.e. true or false.
Copay	varchar	Amount paid to practice when a patient checked in for his/her appointment.
Payer_ID	varchar	A unique ID number assigned to an insurance company to transmit provider claims electronically.
FirstName	varchar	The patient's given name.
MiddleName	varchar	The middle name or initial of the patient.
LastName	varchar	The patient's surname.
PriorityLookupName	varchar	Indicates priority of insurance i.e. primary, secondary or tertiary.
InsuranceName	varchar	Name of the insurance plan.
SSN	varchar	A nine-digit number issued to U.S. citizens
GroupNumber	varchar	Group number associated with the insurance plan.
Address	varchar	Address of the insured party.



DateOfBirth	datetime	Date of birth of insured party.
InsuranceID	long	A unique identifier for the insurance plan.
ZipCode	long	Zip code of the insured party.
ZipCodeStates	varchar	State of the insured party.
ZipCodeCities	varchar	City of the insured party.
CreatedBy	varchar	Name of the user who has recorded insurance plan against the patient.
CreatedOn	datetime	Date & time at which the insurance plan was recorded.
ModifiedBy	varchar	Name of the user who has made any modification in the insurance plan of patient.
ModifiedOn	datetime	Date & time on which the modification is made.
IsDeleted	boolean	Indicates if the immunization's insurance plan exists or deleted i.e. true or false
UUID	varchar	The unique Identifier to track any changes occurred in insurance for audit and integrity purposes.

3.10. Patient – Contact

Field	Data Type	Detail
PatientID	long	A unique identification number assigned to each patient for record-keeping purposes.
RelationshipLookupID	long	The relationship of the contact to the patient, such as spouse, parent, sibling, etc.
isPrimary	boolean	Indicates if the contact is primary for the patient.
TitleLookupID	long	Code indicates the title of the contact person.
FirstName	varchar	The given name of the contact person.
LastName	varchar	The surname or family name of the contact person.
DateOfBirth	datetime	The birth date of the contact person, used for identification.
Email	varchar	The email of the contact person
AddressLine1	varchar	The primary address line for the contact person's residence.
AddressLine2	varchar	The secondary address line, if any, for the contact person's residence (e.g., apartment number).
ZipCodeCities	varchar	The city where the contact person resides.
ZipCodeStates	varchar	The state or province where the contact person resides.
Zip	varchar	The postal code associated with the contact person's address.



CountrylookupID	varchar	The country of the contact person
HomePhone	varchar	The contact person's primary home telephone number.
MobilePhone	varchar	The contact person's mobile phone number.
CreatedBy	varchar	Name of the user who has recorded contact with the patient.
CreatedOn	datetime	Date & time at which the contact was recorded.
ModifiedBy	varchar	Name of the user who has made any modification in the contact support of patient.
ModifiedOn	datetime	Date & time on which the modification is made.
IsDeleted	boolean	Indicates if the contact exists or deleted i.e. true or false
UUID	varchar	The unique Identifier to track any changes occurred in contact support of patient for audit and integrity purposes.

3.11. Patient – Consent

Field	Data Type	Detail
PracticeID	long	The location or branch of the medical facility where the patient is registered.
PatientID	int	A unique identification number assigned to each patient for record-keeping purposes.
ConsentTypeLookupID	long	Specifies the category or nature of the consent given by the patient.
Type	varchar	
ConsentStatusLookupID	varchar	Represents the current state of the consent e.g. completed.
FromDate	datetime	The date and time from which the consent is effective. It marks the beginning of the validity period of the consent.
ToDate	datetime	The date and time till which the consent remains valid. It marks the end of the validity period of the consent.
Description	varchar	Textual description of the consent.
FirstName	varchar	First Name of the custodian party.
MiddleName	varchar	Middle Name of the custodian party.
LastName	varchar	Last Name of the custodian party.
Address	varchar	Address of the custodian party.
ZipCodeCities	varchar	City of the custodian party.
ZipCodeStates	varchar	State of the custodian party
Zip	long	Zip code of the custodian party

Email	varchar	Email of the custodian party
OfficePhone	varchar	Contact number of the custodian party at their workplace.
MobilePhone	varchar	Personal Contact number of the custodian party
HomePhone	varchar	Contact number of the custodian party at their residence.
VacationPhone	varchar	Vacation phone of the custodian party
ConsentDocumentPath	varchar	Document attached with consent, can be image, pdf or word file.
CreatedBy	varchar	Name of the user who has created consent with the patient.
CreatedOn	datetime	Date & time at which the consent was taken.
ModifiedBy	varchar	Name of the user who has made any modification in the consent of patient.
ModifiedOn	datetime	Date & time on which the modification is made.
IsDeleted	boolean	Indicates if the consent exists or deleted i.e. true or false
UUID	varchar	The unique Identifier to track any changes occurred in consent of patient for audit and integrity purposes.

3.12. Patient – Education

Field	Data Type	Detail
PatientID	long	A distinct numerical identifier for the patient in the system.
UnRemarkable	boolean	Indicates if the education is remarkable i.e. true or false
EducationName	varchar	The title or name of the specific educational level of the patient.
DisabilityLookupID	long	Indicates if the patient is disable physically or not
Date	datetime	The date and time when the educational record was entered in the system.
Comments	varchar	Comments for any details.
CreatedBy	varchar	Name of the user who has recorded education of patient.
CreatedOn	datetime	Date & time at which the education was recorded.
ModifiedBy	varchar	Name of the user who has made any modification in the education of patient.
ModifiedOn	datetime	Date & time on which the modification is made.
IsDeleted	boolean	Indicates if the education exists or deleted i.e. true or false
UUID	varchar	The unique Identifier to track any changes occurred in education of patients for audit and integrity purposes.

3.13. Patient – Patient Notes

Field	Data Type	Detail
PatientID	long	A unique identifier assigned to each patient for record-keeping and tracking purposes.
Subject	varchar	The primary topic or focus of the note
CreatedDate	datetime	The date when the note was created.
PriorityLookupID	long	Indicates the priority or importance of the note, such as 'high', 'medium', or 'low'.
FollowUpDate	datetime	The scheduled date for the next appointment or action related to the patient's care.
NoteReasonLookupID	long	The primary reason or purpose for the patient's visit or consultation.
RecalledUserID	long	The medical professional or staff member who initiated a recall for the patient.
NoteStatusLookupID	long	The current status of the note, such as 'completed' or 'in-progress'.
Note	varchar	Detailed information or observations related to the patient's health, or other relevant topics.
Accountnumber	int	The account number associated with the patient's medical record.
CreatedBy	varchar	Name of the user who has created a note of patient.
CreatedOn	datetime	Date & time at which the note was created.
ModifiedBy	varchar	Name of the user who has made any modification in the note of patient.
ModifiedOn	datetime	Date & time on which the modification is made.
IsDeleted	boolean	Indicates if the patient note exists or deleted i.e. true or false
UUID	varchar	The unique Identifier to track any changes occurred in note of patients for audit and integrity purposes.

3.14. Patient – Payments

Field	Data Type	Detail
FirstName	varchar	Credit card's owner first name.
Wallet	decimal	Total amount of patient's current wallet.



LastName	varchar	Credit card's owner last name.
LastDeposit	decimal	Amount deposited in patient wallet on last transaction.
Email	varchar	Credit card owner email.
CardNo	varchar	Uniq credit card number.
ExpiryDate	datetime	Expiry date of credit card.
Cvv	int	Unique 3-digit number of credit card.
Payment	varchar	Type of payment i.e. cash, credit card or check.
ResponseText	varchar	Response when a transaction is made e.g. success.
AppointmentDate	datetime	Date of appointment on which amount is deposited.
AppointmentTime	varchar	Time of appointment at which amount is deposited.
ReasonName	varchar	Reason of depositing amount e.g. copay, insurance
ProviderName	varchar	Name of the provider associated with the patient.
PatientName	varchar	Full name of the patient.
PatientID	long	A unique identification number assigned to each patient for record-keeping purposes.
CCTypeName	long	Card Type i.e. Visa or Master Card
PaymentReasonName	varchar	Reason for payment i.e. copay or injection.
TransactionID	varchar	Unique id assigned to each transaction created.
CheckHolder	varchar	Name of person who deposited check.
CheckNo	varchar	Check number of the check deposited.
RoutingNo	varchar	Routing number of the bank branch.
AccountNo	varchar	Account Number of depositors.
PaymentDate	datetime	Date on which the transaction is made.
DepositDate	datetime	Date on which the amount is transferred to practice account.
PaymentMethodValue	varchar	Method of Patient i.e. cash, check or credit card.
PendingAmount	decimal	Liability amount of the patient.
CreatedBy	varchar	Name of the user who has deposited an amount in patient' wallet.
CreatedOn	datetime	Date & time at which the transaction was made.
ModifiedBy	varchar	Name of the user who has made any modification in the wallet of patient.



ModifiedOn	datetime	Date & time on which the modification is made.
IsDeleted	boolean	Indicates if Patient's wallet exists or deleted i.e. true or false
UUID	varchar	The unique Identifier to track any changes occurred in wallet of patients for audit and integrity purposes.

3.16. Patient – Social History

Field	Data Type	Detail
PatientID	long	A unique identification number assigned to each patient for record-keeping purposes.
Comments	varchar	Any additional comments or notes related to the patient's social habits or history.
FrequencyLookupID	long	Code for the frequency of tobacco.
LengthOfUsageLookupID	long	Duration for which the patient has been using tobacco products.
DisabilityLookupID	long	Information about any disabilities the patient may have, i.e. yes or no.
Usage	varchar	Describe the usage of tobacco.
StatusName	varchar	The current smoking status of the patient (e.g., active smoker, former smoker, never smoked).
TypeName	varchar	The type of tobacco products the patient uses or has used in the past.
Date	datetime	Date on which tobacco usage recorded.
WouldQuit	boolean	Indicates if the patient has expressed a desire to quit tobacco usage.
SDOHCategory	varchar	Category of Social Determinant of Health (e.g., food-insecurity, housing-instability, transportation-insecurity, interpersonal-safety).
SDOHDescription	varchar	Description of the identified social determinant concern.
SDOHScreeningDate	datetime	Date when the SDOH screening/assessment was performed.
SDOHScreeningTool	varchar	Name of the standardized screening instrument used (e.g., AHC-HRSN, PRAPARE, PHQ-9).
SDOHScreeningResult	varchar	Result/score of the SDOH screening.
CreatedBy	varchar	Name of the user who has recorded the tobacco details of patient.
CreatedOn	datetime	Date & time at which the tobacco recorded.



ModifiedBy	varchar	Name of the user who has made any modification in the tobacco usage of patient.
ModifiedOn	datetime	Date & time on which the modification is made.
IsDeleted	boolean	Indicates if the patient tobacco entity exists or deleted i.e. true or false
UUID	varchar	The unique Identifier to track any changes occurred in tobacco usage of patients for audit and integrity purposes.

3.17. Patient – Vitals

Field	Data Type	Detail
PatientID	long	A unique identification number assigned to each patient for record-keeping purposes.
PracticeID	long	The medical practice or institution where the Vitals information was recorded.
AppointmentID	long	Appointment ID in which vitals of the patient are recorded.
ProviderNoteID	long	Provider clinical note id in which vitals are recorded.
HeightFT	varchar	Measures the stature of an individual from head to toe in feet.
HeightIN	varchar	Measures the stature of an individual from head to toe in inches.
Waist	varchar	Measurement of the circumference of an individual's waist.
Weight	varchar	Measures the body mass of an individual.
BMI	varchar	Body Mass Index calculated from height and weight.
WeightStatus	varchar	Indicate the weight status of patient i.e. underweight, overweight.
HeartRateStatus	varchar	Indicates the heart rate of patient i.e. high , low or normal.
RespirationStatus	varchar	Indicates the respiration rate of patient i.e. high , low or normal.
TemperatureStatus	varchar	Indicates the temperature rate of patient i.e. high , low or normal.
SystolicStatus	varchar	Indicates the systolic status of patient's blood pressure i.e. high , low or normal.
DiastolicStatus	varchar	Indicates the diastolic status of patient's blood pressure i.e. high , low or normal.
AverageSystolicBP	varchar	Average systolic blood pressure calculated from multiple readings.

AverageDiastolicBP	varchar	Average diastolic blood pressure calculated from multiple readings.
Date	datetime	Date and time when vitals are recorded.
Time	string	Time when vitals are recorded.
PeakExpiratoryFlow	varchar	The highest flow a patient exhales the oxygen.
InspiredOxygenFraction	varchar	The fraction of oxygen a patient inhales and exhales in unit of time.
ExhaledNitricOxideFraction	varchar	Fraction of nitric oxide a patient exhales in unit of time.
FingerStick	varchar	Indicate the sugar level of the patient.
Neck	varchar	Measurement of the circumference of an individual's neck.
HeadOccipitalCircumference	varchar	Head occipital-frontal circumference measurement (primarily for pediatric patients).
LatestRecord	varchar	Indicates if the measurements are most recent ones or not.
Hip	varchar	Hip measurement of patient in inches.
UrineOutput	varchar	The amount of urine a patient produces in a specified measure of time.
RestingMetabolismRate	varchar	The amount of energy that Patient's body needs to function while at rest
Comments	varchar	Detailed information written while recording vitals.
BloodTypeLookupName	varchar	Type of the blood i.e. A +ve, AB -ve
SeverityOfPainLookupName	varchar	A scale or measure used to assess the intensity or severity of a patient's pain.
PulseTime	varchar	Unit of time when pulse is recorded.
RespirationTime	varchar	Unit of time in which respiration is recorded.
TemperatureTime	varchar	Unit of time in which temperature is recorded.
BloodPressureTime	varchar	Unit of time in which blood pressure is recorded.
OxygenationTime	varchar	Unit of time in which oxygenation is recorded.
OxygenationSAO2LookupName	varchar	Percentage of oxygen a patient's body carries.



OxygenLevelLookupName	varchar	Level of oxygen a patient holds.
OxygenationActivityLookupName	varchar	The process by which patient's oxygen is combined.
CuffSizeLookupName	varchar	Cuff size of the patient for blood pressure.
CuffLocationLookupName	varchar	Location of the cuff associated with patient to check blood pressure.
BloodPressurePositionLookupName	varchar	Position of blood pressure when measured.
TemperatureMethodLookupName	varchar	Temperature severity i.e. high, low or normal
PediatricBMIForAge	varchar	Pediatric BMI-for-age percentile based on WHO/CDC growth charts.
PediatricWeightForHeight	varchar	Pediatric weight-for-length percentile based on WHO/CDC growth charts.
OxygenSaturation	varchar	Saturation of the oxygen patient have.
UrineOutput	varchar	Measures the amount of urine excreted by the body over a specific duration.
VitalsID	int	A unique identifier for each vital record entry.
Pulse	varchar	Measures the rate at which the heart beats, usually counted in beats per minute (bpm).
Respiration	varchar	Measures the rate of breathing or how often the chest rises and falls within a minute.
Temperature	varchar	Records the body's internal temperature, which can be taken orally, rectally, or under the arm.
SystolicBloodPressure	varchar	Represents the higher of the two blood pressure readings. It measures the force your heart exerts on the walls of your arteries each time it beats.
DiastolicBloodPressure	varchar	Represents the lower of the two blood pressure readings. It measures the force your heart exerts on the walls of your arteries in between beats.

3.18. Patient – Encounters Legend

Field	Data Type	Detail
PatientID	long	A unique identification number assigned to each patient.



EncounterID	long	Unique identifier for the encounter/visit.
EncounterType	varchar	Type of encounter (e.g., office visit, telehealth, emergency)
EncounterDate	datetime	Date and time of the encounter.
ProviderID	long	Provider associated with the encounter.
ProviderName	varchar	Name of the provider.
PracticeID	long	Practice where the encounter occurred.
Status	varchar	Status of the encounter (e.g., planned, in-progress, finished, cancelled).
ReasonCode	varchar	Reason for the encounter.
DischargeDisposition	varchar	Disposition of the patient at discharge.
CreatedBy	varchar	Username who created the encounter record.
CreatedOn	datetime	Date & time the record was created.
ModifiedBy	varchar	Username who modified the record.
ModifiedOn	datetime	datetime Date & time the record was modified.
IsDeleted	boolean	Indicates if the record is deleted, i.e. true or false.
UUID	varchar	Unique Identifier for audit and integrity purposes.

3.19. Patient Health Status/Assessment

Field	Data Type	Detail
PatientID	long	A unique identifier assigned to each patient.
PatientAccountNumber	varchar	The account number associated with the patient's medical record.
AssessmentType	varchar	Type of health status assessment (e.g., Disability Status, Mental/Cognitive Status, Functional Status, Pregnancy Status).
AssessmentValue	varchar	The recorded value or finding from the assessment.
AssessmentCode	varchar	Standardized code for the assessment (SNOMED CT or LOINC).
AssessmentDate	datetime	Date when the assessment was performed.
PerformedBy	varchar	Name of the provider or staff who performed the assessment.
Comments	varchar	Additional notes or observations related to the assessment.
CreatedBy	varchar	Username who recorded the health status assessment.
CreatedOn	datetime	Date & time the record was created.



ModifiedBy	varchar	Username who modified the record.
ModifiedOn	datetime	Date & time the record was modified.
IsDeleted	boolean	Indicates if the record is deleted i.e. true or false.
UUID	varchar	Unique identifier for audit and integrity tracking.

3.20. Patient – Care Plan

Field	Data Type	Detail
PatientID	long	A unique identifier assigned to each patient.
PatientAccountNumber	varchar	The account number associated with the patient's medical record.
CarePlanTitle	varchar	Title or name of the care plan.
CarePlanNarrative	text	Free-text narrative of the assessment and plan of treatment.
CarePlanCategory	varchar	Category of the care plan (e.g., Assessment and Plan of Treatment, SDOH Care Plan).
CarePlanStatus	varchar	Status of the care plan (e.g., active, completed, revoked, draft).
CarePlanIntent	varchar	Intent of the care plan (e.g., proposal, plan, order).
StartDate	datetime	Date the care plan was initiated.
EndDate	datetime	Date the care plan was completed or discontinued.
EncounterID	long	The encounter associated with this care plan.
ProviderID	long	Provider responsible for the care plan.
CreatedBy	varchar	Username who created the care plan.
CreatedOn	datetime	Date & time the record was created.
ModifiedBy	varchar	Username who modified the record.
ModifiedOn	datetime	Date & time the record was modified.
IsDeleted	boolean	Indicates if the record is deleted i.e. true or false.
UUID	varchar	Unique identifier for audit and integrity tracking.

3.21. Goals

Field	Data Type	Detail
PatientID	long	A unique identifier assigned to each patient.



PatientAccountNumber	varchar	The account number associated with the patient's medical record.
GoalDescription	varchar	Description of the patient's care goal.
GoalCategory	varchar	Category of the goal (e.g., Patient Goal, SDOH Goal, Provider Goal).
GoalStatus	varchar	Lifecycle status (e.g., proposed, planned, accepted, active, completed, cancelled).
GoalTarget	varchar	Target outcome or value for the goal.
GoalTargetDate	datetime	Date by which the goal should be achieved.
StartDate	datetime	Date the goal was established.
AchievementStatus	varchar	Status of achievement (e.g., in-progress, improving, not-achieved, achieved).
Priority	varchar	Priority level (e.g., high, medium, low).
EncounterID	long	The encounter during which the goal was established.
CreatedBy	varchar	Username who recorded the goal.
CreatedOn	datetime	Date & time the record was created.
ModifiedBy	varchar	Username who modified the record.
ModifiedOn	datetime	Date & time the record was modified.
IsDeleted	boolean	Indicates if the record is deleted i.e. true or false.
UUID	varchar	Unique identifier for audit and integrity tracking.

3.22. Patient – Procedures

Field	Data Type	Detail
PatientID	long	A unique identifier assigned to each patient.
PatientAccountNumber	varchar	The account number associated with the patient's medical record.
ProcedureCode	varchar	Standardized code for the procedure (CPT, SNOMED CT, HCPCS, ICD-10-PCS, CDT).
ProcedureCodeSystem	varchar	The code system used (e.g., CPT-4, SNOMED CT).
Description	varchar	Textual description of the procedure.
ProcedureCategory	varchar	Category (e.g., surgical, diagnostic, therapeutic, SDOH intervention).
Status	varchar	Status of the procedure (e.g., completed, in-progress, not-done).



PerformedDate	datetime	Date and time the procedure was performed.
PerformedBy	varchar	Provider who performed the procedure.
EncounterID	long	Encounter during which the procedure was performed.
ReasonCode	varchar	Reason or indication for the procedure.
BodySite	varchar	Body site where the procedure was performed.
CreatedBy	varchar	Username who recorded the procedure.
CreatedOn	datetime	Date & time the record was created.
ModifiedBy	varchar	Username who modified the record.
ModifiedOn	datetime	Date & time the record was modified.
IsDeleted	boolean	Indicates if the record is deleted i.e. true or false.
UUID	varchar	Unique identifier for audit and integrity tracking.

3.23. Clinical Notes

Field	Data Type	Detail
PatientID	long	A unique identifier assigned to each patient.
PatientAccountNumber	varchar	The account number associated with the patient's medical record.
NoteType	varchar	Type of clinical note per USCDI v3 (e.g., Consultation Note, Discharge Summary, History & Physical, Progress Note, Procedure Note, Operative Note, Imaging Narrative, Laboratory Report Narrative, Pathology Report Narrative).
NoteContent	text	Full text content of the clinical note.
NoteDate	datetime	Date the clinical note was authored.
AuthorID	long	Provider who authored the note.
AuthorName	varchar	Name of the provider who authored the note.
EncounterID	long	Encounter associated with this note.
DocumentFormat	varchar	Format of the document (e.g., text, CDA, PDF).
Status	varchar	Status of the note (e.g., current, superseded, entered-in-error).
CreatedBy	varchar	Username who created the note.
CreatedOn	datetime	Date & time the record was created.
ModifiedBy	varchar	Username who modified the record.



ModifiedOn	datetime	Date & time the record was modified.
IsDeleted	boolean	Indicates if the record is deleted i.e. true or false.
UUID	varchar	Unique identifier for audit and integrity tracking.

3.24. Patient – Care Team

Field	Data Type	Detail
PatientID	long	A unique identifier assigned to each patient.
PatientAccountNumber	varchar	The account number associated with the patient's medical record.
CareTeamMemberName	varchar	Full name of the care team member.
CareTeamRole	varchar	Role of the member in the care team (e.g., primary care provider, specialist, nurse, caregiver).
CareTeamMemberNPI	varchar	National Provider Identifier of the care team member, if applicable.
CareTeamStatus	varchar	Status of the care team (e.g., active, inactive, entered-in-error).
StartDate	datetime	Date the care team member began involvement.
EndDate	datetime	Date the care team member ended involvement, if applicable.
EncounterID	long	Encounter associated with this care team assignment.
CreatedBy	varchar	Username who recorded the care team entry.
CreatedOn	datetime	Date & time the record was created.
ModifiedBy	varchar	Username who modified the record.
ModifiedOn	datetime	Date & time the record was modified.
IsDeleted	boolean	Indicates if the record is deleted i.e. true or false.
UUID	varchar	Unique identifier for audit and integrity tracking.

3.24. Patient – Laboratory

Field	Data Type	Detail
PatientID	long	A unique identifier assigned to each patient.

PatientAccountNumber	varchar	The account number associated with the patient's medical record.
TestCode	varchar	LOINC code for the laboratory test.
TestName	varchar	Name of the laboratory test performed.
ResultValue	varchar	The value/result of the test.
ResultUnit	varchar	Unit of measure for the result (e.g., mg/dL, mmol/L).
ReferenceRange	varchar	Normal reference range for the test.
InterpretationCode	varchar	Interpretation of the result (e.g., Normal, High, Low, Critical).
SpecimenType	varchar	Type of specimen collected (e.g., blood, urine, saliva).
CollectionDate	datetime	Date and time the specimen was collected.
ResultDate	datetime	Date and time the result was reported.
PerformingLab	varchar	Name of the laboratory that performed the test.
OrderingProvider	varchar	Name of the provider who ordered the test.
Status	varchar	Status of the result (e.g., final, preliminary, corrected, cancelled).
EncounterID	long	Encounter during which the lab was ordered.
CreatedBy	varchar	Username who recorded the lab result.
CreatedOn	datetime	Date & time the record was created.
ModifiedBy	varchar	Username who modified the record.
ModifiedOn	datetime	Date & time the record was modified.
IsDeleted	boolean	Indicates if the record is deleted i.e. true or false.
UUID	varchar	Unique identifier for audit and integrity tracking.

3.25. Patient – Provenance

Field	Data Type	Detail
PatientID	long	A unique identifier assigned to each patient.
TargetResource	varchar	The resource or record this provenance applies to.
RecordedDate	datetime	Date and time the provenance was recorded.
AgentType	varchar	Type of agent (e.g., Author, Transmitter, Assembler).
AgentName	varchar	Name of the person or organization responsible.
AgentOrganization	varchar	Organization of the responsible agent.
UUID	varchar	Unique identifier for audit and integrity tracking.

