

CareTracker EHI Export: Folder Organization and Data Format Specification – v1.0

The EHI Export feature is designed to facilitate efficient data export for both individual patients and patient populations within a comprehensive healthcare system. This comprehensive functionality caters to two primary scenarios: exporting data for a single patient or exporting data for a patient population. In the patient population scenario, users have the flexibility to select patients based on different criteria, such as Provider, All Active Patients, All Patients, or Patients within an Encounter Range.

In both the single patient and patient population scenarios, a dedicated folder is created for each patient, marked with a timestamp to facilitate easy identification. The exported data is formatted in a machine-readable manner to ensure interoperability and ease of data processing.

Inside each patient's folder, a distinct file structure is maintained to accommodate different Data Classes. Each Data Class corresponds to a specific category of patient information. The corresponding information, such as Imported Items, images, and related documents, is stored within a designated "**Documents**" subfolder, preserving the original storage or import format.

To maintain consistency and clarity, the filenames for each data entry within a Data Class follow a standardized pattern: "[**Data Class Name**].[**Export Format**]". The "[**Export Format**]" extension indicates the data format for export, with options including ".**csv**" (Comma-Separated Values), ".**json**" (JavaScript Object Notation), and ".**xml**" (Extensible Markup Language).

Below is a listing of the Data Classes along with their corresponding Column Headings:

Data Class Name	Column Headings
Addendum	PatID, AddendumDate, NoteType, NoteSubject, NoteBody, SavedByName
Advance Directives	PatientID, ProviderFirstName, ProviderLastName, SavedBy, DirectiveName, DirectiveText, DateActive, DateInactive, DirectiveCode, IsActive, Comments, PathToDirective, History, DateEntered
Alerts	PatientID, ProviderFirstName, ProviderLastName, SavedBy, DirectiveName, DirectiveText, DateActive, DateInactive, DirectiveCode, IsActive, Comments, PathToDirective, History, DateEntered
Allergies and Intolerances Pending	PatientID, AllergyID, AllergyDescription, AllergySource, Reaction, Comments, AddedByFirstName, AddedByLastName, DateAdded, EditedByFirstName, EditedByLastName, DateEdited, Inactive, Migrated, LastConfirmedByFirstName, LastConfirmedByLastName, LastConfirmedDate, Severity, Source, AdverseReactionId, ReactionSeverityId, ReactionSeverityText, DateAllergyStarted, DateAllergyEnded, PendingFlag, ImportedDate

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Allergies and Intolerances	PatientID, AllergyID, AllergyDescription, AllergySource, Reaction, Comments, AddedByFirstName, AddedByLastName, DateAdded, EditedByFirstName, EditedByLastName, DateEdited, Inactive, Migrated, LastConfirmedByFirstName, LastConfirmedByLastName, LastConfirmedDate, Severity, Source, AdverseReactionId, ReactionSeverityId, ReactionSeverityText, DateAllergyStarted, DateAllergyEnded, IsRemovedFromRecord
Assessments	PatientID, EncounterDate, ProviderFirstName, ProviderLastName, Assessment
Billing History	PatientID, PlaceOfService, Complexity, ChiefCompliant, BillingComments, DateOfService, IsOpen, ICDType, Location, LocationAddress1, LocationAddress2, LocationCity, LocationState, LocationPostalCode, LocationCountry, LocationPhone, LocationFax, FacilityName, FacilityAddress1, FacilityAddress2, FacilityCity, FacilityState, FacilityPostalCode, FacilityCountry, FacilityNPI, PracticeFacilityCode, FacilityType, BillingProviderFirstName, BillingProviderMiddleName, BillingProviderLastName, BillingProviderDegree, BillingProviderDEA, BillingProviderStateLicenceNumber, BillingProviderState, BillingProviderUPIN, BillingProviderNPI, BillingProviderEmail, CPTCode, CPTdescription, CPTShortDescription, Fee, Charge, CPTUnits, CPTPrice, CPTComment, CPTSequence, NDCCode, NDCUnits, ICD1, ICD2, ICD3, ICD4, ICD5, ICD6, ICD7, ICD8, ICD9, ICD10, ICD11, ICD12, ModifierCode, ModifierComment, ModifierSequence, PriorAuthorizationNumber, ReferProviderFirstName, ReferProviderMiddleName, ReferProviderLastName, ReferProviderDegree, ReferProviderDEA, ReferProviderStateLicenceNumber, ReferProviderState, ReferProviderUPIN, ReferProviderNPI, ReferProviderEmail
Care Team Members	LastName, FirstName, Suffix, RoleOnTeam, Status, DateStarts, DateEnds, Address1, Address2, City, State, Zip, Phone
Clinical Notes	PatientID, EncounterDate, ChiefComplaint, HistoryPresentIllness, ReviewOfSystem, PastMedicalHistory, Medications, Allergies, SocialHistory, FamilyHistory, PhysicalExam, Assessment, Plan, BloodPressure, Temperature, RespirationRate, Pulse, Weight, Height, BodyMassIndex, HeadCircumference, VitalComments, FirstName, MiddleName, LastName, Degree, CPTcode, CPTcomments, Image1Description, Image1Location, Image2Description, Image2Location, Illustration1Description, Illustration1Location, Illustration2Description, Illustration2Location, SaturationPercent, PainScale, PulmonaryFunction, MiscellaneousVitalInformation, ConfidentialInformation, SaturationAirSource, SaturationSupplementalOxygen, PeakFlow, SaturationSupplementalOxygenType, PacksPerDay, YearsSmoked, YearsQuit, IsResourceProvided, SNOMED, TobaccoUseNameExtra, SaturationSupplementalOxygen1, TransitionOfCare, LastMenstrualPeriod, EstimatedDeliveryDate, PregnancyComments, VisionOS, VisionOD, Hearing, HearingComments, SBPSupine, DBPSupine, TobaccoStatusStartDate, TobaccoStatusEndDate, TobaccoPipeSmoker, TobaccoPipeStartDate, TobaccoPipeEndDate, TobaccoCigarSmoker, TobaccoCigarStartDate, TobaccoCigarEndDate, TobaccoChewing, TobaccoChewingStartDate, TobaccoChewingEndDate, DeclinedClinicalSummary, Instructions, IsIcd10,

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	Goals, HealthConcerns, TobaccoEcig, TobaccoEcigStartDate, TobaccoEcigEndDate, WaitCircumference, LocationName, LocationAddress1, LocationAddress2, LocationCity, StateOrRegion, PostalCode, EncounterTypeName
Demographic Immunization	PatientId, RecallsReminders, TexasRegistryConsentForm, HistoricalVFC, Registry, PatientConsentToShare, VFC, DateVFCInitialScreen
Email	PatientID, DateSent, SentFromFirstName, SentFromLastName, EmailFrom, SentToFirstName, SentToLastName, EmailTo, Subject, CarbonCopy, Body
FamilyHistory	PatientID, FamilyHistory, NoSignificantFamilyHealthHistory, UnknownFamilyHealthHistory, RelationName, RelationGender, RelationBirthDate, RelationDateOfDeath, RelationNotes, RelationHasNoSignificantHealthHistory, RelationHasUnknownHealthHistory, DiagnosisDate, AgeAtDiagnosis, AgeUnitAtDiagnosis, WasDiagnosisCauseOfDeath, DiagnosisNotes, SnomedCode, icd10cm_key, Diagnosis, EnteredDate
FunctionalStatus	Description, IsMentalStatus, DateEntered, FirstNameEnteredBy, LastNameEnteredBy, DoctorDegree
Goals	PatientID, EncounterDate, ProviderFirstName, ProviderLastName, Goals
Health Concerns	PatientID, EncounterDate, ProviderFirstName, ProviderLastName, HealthConcerns
Health Insurance	PatientID, Description, PolicyNumber, GroupNumber, GroupName, CoPay, InsuranceStartDate, InsuranceEndDate, PayorName, PlanName, PlanCode, InsPhoneNumber, InsAddress1, InsAddress2, InsCity, InsState, InsPostalCode, SubscriberRelation, SubscriberFirst, SubscriberMiddle, SubscriberLast, SubscriberAddress1, SubscriberAddress2, SubscriberCity, SubscriberState, SubscriberZip, SubscriberPhone, SubscriberEmail, GuarantorRelation, GuarantorFirst, GuarantorMiddle, GuarantorLast, SubscriberAddress11, SubscriberAddress21, SubscriberCity1, SubscriberState1, SubscriberZip1, SubscriberPhone1, SubscriberEmail1
HM Rules Ignored	PatientID, RuleIgnoredComment, DateRuleIgnoredEntered, RuleName, RecommendedAge, MinAge, MaxAge, RecommendedInterval, MinInterval, MaxInterval, RuleText, FrequencyOfService, RuleRationale, Footnote, Source, Type, Grade, DoseNumber, ApplicableGender, ApplicableICDs, RestrictedICDs, LiveVaccine, EggComponent, GelatinComponent, RiskCategory, RiskFactors, ApplicableAgeGroup, CPT, RuleComment, Inactive, AgeSpecific, FundingSource, ReleaseRevisionDate, BibliographicCitation, Obsolete, RuleType, IntegrationPartner, ClinicalAssessmentUrl, IsInBundle, TestResultsRequired

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HM Rules	PatientID, HMruleName, VaccineName, LotNo, DateGiven, RecordedByFirstName, RecordedByLastName, Volume, Route, Site, Manufacturer, Expiration, Comment, Sequence, Type, cpt, IsGivenElsewhere, PatientRefused, VISname, VISversion, VISDateGiven, Deleted, DateSentToRegistry, PatientParentRefused, PatientHadInfection, HowMigrated, Reaction, ReactionDate, DocumentName, Action, DateLastAction, TestResultsReviewed, RuleName, RecommendedAge, MinAge, MaxAge, RecommendedInterval, MinInterval, MaxInterval, RuleText, FrequencyOfService, RuleRationale, Footnote, Source, Type1, Grade, DoseNumber, ApplicableGender, ApplicableICDs, RestrictedICDs, LiveVaccine, EggComponent, GelatinComponent, RiskCategory, RiskFactors, ApplicableAgeGroup, CPT1, RuleComment, Inactive, AgeSpecific, FundingSource, ReleaseRevisionDate, BibliographicCitation, Obsolete, RuleType, IntegrationPartner, ClinicalAssessmentUrl, IsInBundle, TestResultsRequired, med_id, VaccineName1, VaccineDescription, VaccineGenericName, VaccineGenericDrug, VaccineManufacturerID, VaccineManufacturerName, VaccineOutOfDate, VaccineCountry, Location, LocationAddress1, LocationAddress2, LocationCity, LocationState, PostalCode, NP001Description, NP001FriendlyName
Immunizations	PatientID, HMruleName, RuleName, VaccineName, CompositeVaccineID, LotNo, DateGiven, RecordedByFirstName, RecordedByLastName, Volume, Route, Site, Manufacturer, Expiration, Comment, Sequence, Result, CPT, IsGivenElsewhere, PatientRefused, VISname, VISversion, VISDateGiven, Deleted, DateSentToRegistry, PatientParentRefused, PatientHadInfection, HowMigrated, Reaction, ReactionDate, Location, NP001Description, NP001FriendlyName, DocumentName, Action, DateLastAction, TestResultsReviewed
Implantable device	PatientID, DeviceDescription, ImplantDate, DeviceStatus, UniqueDeviceId, ExplantDate, ImplantArea, DeviceIdentifier, LotNumber, SerialNumber, DeviceExpirationDate, DeviceManufactureDate, HctpIdentificationCode, BrandName, VersionModelNumber, CompanyName, MRISafetyInformation, LabeledContainsNrl, IsDeleted
Imported Items	PatientID, ImportedBy, DateOfItem, DateImported, TypeOfItem, ItemSubject, ItemFrom, ItemComments, ItemCurrentPath, ToBeSignedByFirstName, ToBeSignedByLastName, SignedOffByFirstName, SignedOffByLastName, SignOffDate, IsLetter, IsLabEmbeddedRpt
Injections	PatientID, InjectionName, LotNo, DateGiven, RecordedByFirstName, RecordedByLastName, Volume, Route, Manufacturer, ExpirationDate, Comment, CPTCode, IsGivenElsewhere, NDCCode

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Lab Tests	PatientID, TestCreatedDate, TestCreatedByFirstName, TestCreatedByLastName, TestLastUpdatedDate, TestLastUpdatedByFirstName, TestLastUpdatedByLastName, TestLabOrderSentDate, TestLabResultMessageDate, TestLabResultReceivedDate, TestLabLocationCode, TestLabCompany, TestSpecimenNumber, TestBillType, TestSpecimenStatus, Fasting, LabTestStatus, TestSignedOffByFirstName, TestSignedOffByLastName, TestSingedOffDate, TestComment, TestLabPatientFamilyName, LabPatientGivenName, LabPatientMiddleName, LabPatientSuffix, LabPatientRace, LabPatientRaceAlternate, LabPatientDOB, LabPatientSex, LabPatientIdNumber, LabPatientAANamespaceId, LabPatientIdTypeCode, CcdaGuidLabTestId, TestLabName, TestLabAddress1, TestLabAddress2, TestLabCity, TestLabState, TestLabZip, TestLabPhone, ResultSequenceNumber, ResultAccessionNumberAC, ResultCreatedDate, ResultCreatedByFirstName, ResultCreatedByLastName, RestultLastUpdatedDate, ResultLastUpdatedByFirstName, ResultLastUpdatedByLastName, ResultOrderedByFirstname, ResultOrderedByLastName, ResultElectronicOrderCreationDate, ResultSpecimenNumber, ResultSpecimenCollectedDate, ResultSpecimenSource, ResultAlternateID1, ResultAlternateID2, ResultsSentDate, ResultFacilityPermingTest, ResultTestStatus, ResultParentForReflexOBX, ResultParentForReflexOBR, ResultOrderingProviderNotInAC, ResultSpecimenCondition, ResultSpecimenUiversalId, ResultSpecimenUniversallType, ResultSpecimenCollectedDate1, ResultTimingStartDate, ResultTimingEndDate, ResultSpecimenType, ResultSpecimenRejectReason, ResultDetailSequenceNumber, ResultDetailCreatedDate, ResultDetailCreatedFirstName, ResultDetailCreatedLastName, ResultDetailLastUpdatedDate, ResultDetailLastUpdatedByFirstName, ResultDetailLastUpdatedByLastName, ResultDetailInactive, ResultDetailCorrectsLabTestID, ResultDetailCorrectedByLabTestID, ResultDetailLabtestStatus, LabTestCodeDescription, ResultDetailLoincTestCode, ResultDetailObservationSubID, ResultDetailObservationValue, UncertaintyofMeasurement, ResultDetailRefenceRanges, ResultDetailAbnormalFlag, ResultDetailAbnormalType, ResultDetailReferenceRangeChangeDate, ResultDetailSecurityAccessChecks, ResultDetailObservationSentDate, ResultDetailLabLocationCode, ResultDetailLabName, ResultDetailLabAddress1, ResultDetailLabAddress2, ResultDetailLabCity, ResultDetailLabState, ResultDetailLabZip, ResultDetailLabPhone, ResultDetailValueType, ResultDetailIsLabReport, NoteSequenceNumber, NoteLaborerID, NoteLabOrderDetailID, NoteCreatedDate, NoteCreatedByFirstName, NoteCreatedByLastName, NoteLastUpdatedDate, NoteLastUpdatedByFirstName, NoteLastUpdateByLastName, NoteOwnerType, NoteOwnerId, NoteText, NoteReplaced, Group, PerformedBy, LabName, LabAddress1, LabAddress2, LabCity, LabState, LabZip, LabPhone, LabDirectorName, ReportFileName
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List Problem Pending	PatientID, ProblemICD, ProblemName, DateRowAdded, DateActive, DateInactive, AddingProviderFirstName, AddingProviderLastName, Chronicity, DateLastActivated, DateSentToRegistry, DateResolved, PendingFlag, ImportedDate, Source, COSTAR, SNOMED, IcdType
List Problem	PatientId, ProblemName, ProblemICD, DateEntered, DateActive, DateInactive, AddingProviderFirstName, AddingProviderLastName, Chronicity, DateLastActivated, DateSentToRegistry, DateResolved, Source, COSTAR, SNOMED, Historical, IcdType
Medications Pending	PatientID, DateEntered, PrescribingProviderFirstName, PrescribingproviderLastName, MedicineName, Signetur, MedicineQuantity, Refills, DateInitiated, DateLastRefilled, MedComments, PriorRefills, Refillable, Inactive, MedSource, ExternalID, PharmacyName, PharmacyPhone, PharmacyFax, PharmacyTransactionID, QuickAddWhoPrescribed, QuickAddReasonPrescribed, Deleted, DateInactivated, RxGUID, DateStarted, DispenseQualifier, ERXstatus, DispenseAsWritten, IsFormularyChecked, SentBySureScripts, PharmacyTransmitFailed, InactivateReason, ScriptPrinted, ScriptFaxed, PendingFlag, ImportedDate, Source
Medications	PatientID, DateEntered, PrescribingProviderFirstName, PrescribingproviderLastName, MedicineName, Signature, MedicineQuantity, Refills, DateInitiated, DateLastRefilled, MedComments, PriorRefills, Refillable, Inactive, MedSource, ExternalID, PharmacyName, PharmacyPhone, PharmacyFax, PharmacyTransactionID, QuickAddWhoPrescribed, QuickAddReasonPrescribed, Deleted, DateInactivated, RxGUID, DateStarted, DispenseQualifier, ERXstatus, DispenseAsWritten, IsFormularyChecked, SentBySureScripts, PharmacyTransmitFailed, InactivateReason, ScriptPrinted, ScriptFaxed, Source, AdministeredDuringVisit, Course, ProblemId, DaysSupply, ProviderDea, NoteToPharmacy, RenewalRequestIdForReplaceMed, RxChangeGuidForApproved, IsCompoundMed, CompoundMedSchedule, EarliestFillDate, ScheduledDrugSeriesLink, Problem, ICDCode
Next Of Kin	PatientID, IsPrimaryGuardian, FirstName, LastName, SSN, Address1, Address2, City, State, Zip, Phone, Email, BirthDate, RelationName, PrimaryGuardian, Gender, Comments
Occupation and Industry History	Patientid, Active, YearStarted, SendingFullURL, CensusIndustryCode, CensusIndustryTitle, NAICSCode, NAICSTitle, NAICSProbability, CensusOccupationCode, CensusIndustryTitle1, SOCCode, SOCTitle, SOCProbability
Orders	PatientID, OrderEnteredDate, OrderTypeDescriptin, OrderText, CPTs, ICDs, OrderComments, SentByFirstName, SentByLastName, SentToFirstName, SentToLastName, DateSent, IsPartialResult, IsSigned, OrderStatus, DateDone, TrackingComments, DoneByFirstName, DoneByLastName, AssignedToFirstName, AssignedToLastName, OriginalOrderText, ResultTypeDescription, DateAssigned

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Patient Demographics	PatientID, ChartID, Salutation, FirstName, MiddleName, LastName, Suffix, Gender, BirthDate, SocialSecurityNumber, Address, Address2, City, State, Zip, Phone, WorkPhone, Fax, Email, EmployerName, EmergencyContactName, EmergencyContactPhone, SpouseName, Comments, RecordsReleased, Referredby, ReferredbyMore, Inactive, ReasonInactive, PreferredPhysician, PreferredPharmacy, ReferringDoc, ReferringNumber, Miscellaneous1, Miscellaneous2, Miscellaneous3, Miscellaneous4, MaritalStatus, AllergiesDemo, ExemptFromReporting, TakesNoMeds, PatientRace, ExemptFromReportingReason, LanguagePreference, PatientEthnicity, ContactPreference, DateOfDeath, MothersMaidenName, BirthOrder, DateTimePatientInactivated, MothersFirstName, SexualOrientation, GenderIdentity, MaidenName, AliasNickname, PreviousAddress1, PreviousAddress2, PreviousCity, PreviousState, PreviousZip, Occupation, ImageName
Patient Generated Data	PatientID, ProviderFirstName, ProviderLastName, SavedBy, DirectiveName, DirectiveText, DateActive, DateInactive, DirectiveCode, IsActive, Comments, PathToDirective, History, DateEntered
Patient Health Information Capture	PatientID, ProviderFirstName, ProviderLastName, SavedBy, DateSaved, DirectiveName, DirectiveText, DateActive, DateInactive, DirectiveTypeName, DirectiveTypeDesc, DirectiveLevel, IsActive, MedicalAlertType, Comments, PathToDirective, History
Patient Record Release	PatientID, Name, Address, City, State, Zipcode, Phone, URL, DateOfRelease, AuthorizationField, ReleaseReason, ReleasedBy, Fax, Comments, Method, IsFullPatientRecord, RecipientFirstName, RecipientLastName, RecipientOrganization, ReferralName, ReferralDateStarts, ReferralDateEnds, NumberOfVisits, ReferralComment, ReferralProviderFirstName, ReferralProviderLastName
Plan of Treatment	PatientID, EncounterDate, ProviderFirstName, ProviderLastName, Plan
Procedures	PatientId, CPTCode, CPTdescription, CPTShortDescription, Fee, Charge, Units, Price, Comments, DatePerformed, Resolved, Sequence, AppealFlag, NDCCode, NDCUnits
Referrals	PatientID, EnteredDate, ReferralName, ReferralFirstName, ReferralLastName, DateStarts, DateEnds, NumberOfVisits, Comment, Description, OnBehalfOfFirstName, OnBehalfOfLastName
Risk Factors	PatientId, RiskFactorName, DateEntered, AddingProviderFirstName, AddingProviderLastName
Scheduling	PatientID, AppointmentDate, VisitType, Comments, BookedByFirstName, BookedByLastName, DateBooked, ProviderFirstName, ProviderLastName, Duration, XLinkProviderID, VisitIdExternal, IsEditable, IsTelehealth
Smoking Statuses	PatientID, TobaccoStatusStartDate, TobaccoStatusEndDate, PacksPerDay, YearsSmoked, YearsQuit, IsSignedOff, DateRowAdded, TobaccoUseName, TobaccoUseNameExtra, DisplayOrder, SNOMED

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Tracked Data	PatientId, Item, Date, Value, Comments
Travel History	PatientId, StartDate, EndDate, Location, IsForeignLocation, Notes, CcdaGuidTravelHistory
User Defined Fields	PatientId, FieldValue, Template, DateEntered
Vital Signs	PatientId, EncounterDate, Temperature, PulseRate, BloodPressure, RespirationRate, BloodOxygen, Weight, Height, BMI, BP, Pulse, RR, WC, Sat, SatSuppO2Amount, Pain, PF(pre-bronchodilator), PF(post-bronchodilator), VisionOS, VisionOD, Hearing, HearingComments, LastMenstrualPeriod, EstimatedDeliveryDate, PregnancyComments, Other, HeadCircumference