

## Amazing Charts 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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<b>Allergies and Intolerances</b>	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
<b>Assesments</b>	PatientID, EncounterDate, ProviderFirstName, ProviderLastName, Assesment
<b>Billing History</b>	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, BillingProvideerState, BillingProviderUPIN, BillingProviderNPI, BillingProviderEmail, CPTCode, CPTdescription, CPTShortDescription, Fee, Charge, CPTUnits, CPTPrice, CPTComment, CPTSequence, NDCCCode, NDCUnits, ICD1, ICD2, ICD3, ICD4, ICD5, ICD6, ICD7, ICD8, ICD9, ICD10, ICD11, ICD12, ModifierCode, ModifierComment, ModifierSequence, PriorAuthorizationNumber, ReferProviderFirstName, ReferProviderMiddleName, ReferProviderLastName, ReferProviderDegree, ReferProviderDEA, ReferProviderStateLicenceNumber, ReferProvideerState, ReferProviderUPIN, ReferProviderNPI, ReferProviderEmail
<b>Care Team Members</b>	LastName, FirstName, Suffix, RoleOnTeam, Status, DateStarts, DateEnds, Address1, Address2, City, State, Zip, Phone
<b>Clinical Notes</b>	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, ISlcd10,

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	Goals, HealthConcerns, TobaccoEcig, TobaccoEcigStartDate, TobaccoEcigEndDate, WaistCircumference, LocationName, LocationAddress1, LocationAddress2, LocationCity, StateOrRegion, PostalCode, EncounterTypeName
<b>Demographic Immunization</b>	PatientId, RecallsReminders, TexasRegistryConsentForm, HistoricalVFC, Registry, PatientConsentToShare, VFC, DateVFCInitialScreen
<b>Email</b>	PatientID, DateSent, SentFromFirstName, SentFromLastName, EmailFrom, SentToFirstName, SentToLastName, EmailTo, Subject, CarbonCopy, Body
<b>FamilyHistory</b>	PatientID, FamilyHistory, NoSignificantFamilyHealthHistory, UnknownFamilyHealthHistory, RelationName, RelationGender, RelationBirthDate, RelationDateOfDeath, RelationNotes, RelationHasNoSignificantHealthHistory, RelationHasUnknownHealthHistory, DiagnosisDate, AgeAtDiagnosis, AgeUnitAtDiagnosis, WasDiagnosisCauseOfDeath, DiagnosisNotes, SnomedCode, icd10cm_key, Diagnosis, EnteredDate
<b>FunctionalStatus</b>	Description, IsMentalStatus, DateEntered, FirstNameEnteredBy, LastNameEnteredBy, DoctorDegree
<b>Goals</b>	PatientID, EncounterDate, ProviderFirstName, ProviderLastName, Goals
<b>Health Concerns</b>	PatientID, EncounterDate, ProviderFirstName, ProviderLastName, HealthConcerns
<b>Health Insurance</b>	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
<b>HM Rules Ignored</b>	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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<b>HM Rules</b>	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, VaccineManufactureID, VaccineManufacturerName, VaccineOutOfDate, VaccineCountry, Location, LocationAddress1, LocationAddress2, LocationCity, LocationState, PostalCode, NP001Description, NP001FriendlyName
<b>Immunizations</b>	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
<b>Implantable device</b>	PatientID, DeviceDescription, ImplantDate, DeviceStatus, UniqueDeviceId, ExplantDate, ImplantArea, DeviceIdentifier, LotNumber, SerialNumber, DeviceExpirationDate, DeviceManufactureDate, HctplIdentificationCode, BrandName, VersionModelNumber, CompanyName, MriSafetyInformation, LabeledContainsNrl, IsDeleted
<b>Imported Items</b>	PatientID, ImportedBy, DateOfItem, DateImported, TypeOfItem, ItemSubject, ItemFrom, ItemComments, ItemCurrentPath, ToBeSignedByFirstName, ToBeSignedByLastName, SignedOffByFirstName, SignedOffByLastName, SignOffDate, IsLetter, IsLabEmbeddedRpt
<b>Injections</b>	PatientID, InjectionName, LotNo, DateGiven, RecordedByFirstName, RecordedByLastName, Volume, Route, Manufacturer, ExpirationDate, Comment, CPTCode, IsGivenElsewhere, NDCCCode

<p><b>Lab Tests</b></p>	<p>PatientID, TestCreatedDate, TestCreatedByFirstName, TestCreatedByLastName, TestLastUpdatedDate, TestLastUpdatedByFirstName, TestLastUpdatedByLastName, TestLabOrderSentDate, TestLabResultMessageDate, TestLabResultReceivedDate, TestLabLocationCode, TestLabCompany, TestSpecimenNumber, TestBillType, TestSpecimenStatus, Fasting, LabTestStatus, TestSignedOffByFirstName, TestSignedOffByLastName, TestSignedOffDate, 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, ResultLastUpdatedDate, ResultLastUpdatedByFirstName, ResultLastUpdatedByLastName, ResultOrderedByFirstname, ResultOrderedByLastName, ResultElectronicOrderCreationDate, ResultSpecimenNumber, ResultSpecimenCollectedDate, ResultSpecimenSource, ResultAlternateID1, ResultAlternateID2, ResultsSentDate, ResultFacilityPermingTest, ResultTestStatus, ResultParentForReflexOBX, ResultParentForReflexOBR, ResultOrderingProviderNotInAC, ResultSpecimenCondition, ResultSpecimenUiversalId, ResultSpecimenUniversalIdType, 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, ResultDetailsLabReport, NoteSequenceNumber, NoteLaborderID, NoteLabOrderDetailID, NoteCreatedDate, NoteCreatedByFirstName, NoteCreatedByLastName, NoteLastUpdatedDate, NoteLastUpdatedByFirstName, NoteLastUpdateByLastName, NoteOwnerType, NoteOwnerID, NoteText, NoteReplaced, Group, PerformedBy, LabName, LabAddress1, LabAddress2, LabCity, LabState, LabZip, LabPhone, LabDirectorName, ReportFileName</p>
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<b>List Problem Pending</b>	PatientID, ProblemICD, ProblemName, DateRowAdded, DateActive, DateInactive, AddingProviderFirstName, AddingProviderLastName, Chronicity, DateLastActivated, DateSentToRegistry, DateResolved, PendingFlag, ImportedDate, Source, COSTAR, SNOMED, IcdType
<b>List Problem</b>	PatientId, ProblemName, ProblemICD, DateEntered, DateActive, DateInactive, AddingProviderFirstName, AddingProviderLastName, Chronicity, DateLastActivated, DateSentToRegistry, DateResolved, Source, COSTAR, SNOMED, Historical, IcdType
<b>Medications Pending</b>	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
<b>Medications</b>	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
<b>Next Of Kin</b>	PatientID, IsPrimaryGuardian, FirstName, LastName, SSN, Address1, Address2, City, State, Zip, Phone, Email, BirthDate, RelationName, PrimaryGuardian, Gender, Comments
<b>Occupation and Industry History</b>	Patientid, Active, YearStarted, SendingFullURL, CensusIndustryCode, CensusIndustryTitle, NAICSCode, NAICSTitle, NAICSProbability, CensusOccupationCode, CensusIndustryTitle1, SOCCode, SOCTitle, SOCPProbability
<b>Orders</b>	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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<b>Patient Demographics</b>	PatientID, ChartID, Salutation, FristName, 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
<b>Patient Generated Data</b>	PatientID, ProviderFirstName, ProviderLastName, SavedBy, DirectiveName, DirectiveText, DateActive, DateInactive, DirectiveCode, IsActive, Comments, PathToDirective, History, DateEntered
<b>Patient Health Information Capture</b>	PatientID, ProviderFirstName, ProviderLastName, SavedBy, DateSaved, DirectiveName, DirectiveText, DateActive, DateInactive, DirectiveTypeName, DirectiveTypeDesc, DirectiveLevel, IsActive, MedicalAlertType, Comments, PathToDirective, History
<b>Patient Record Release</b>	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
<b>Plan of Treatment</b>	PatientID, EncounterDate, ProviderFirstName, ProviderLastName, Plan
<b>Procedures</b>	PatientId, CPTCode, CPTdescription, CPTShortDescription, Fee, Charge, Units, Price, Comments, DatePerformed, Resolved, Sequence, AppealFlag, NDCCode, NDCUnits
<b>Referrals</b>	PatientID, EnteredDate, ReferralName, ReferralFirstName, ReferralLastName, DateStarts, DateEnds, NumberOfVisits, Comment, Description, OnBehalfOfFirstName, OnBehalfOfLastName
<b>Risk Factors</b>	PatientId, RiskFactorName, DateEntered, AddingProviderFirstName, AddingProviderLastName
<b>Scheduling</b>	PatientID, AppointmentDate, VisitType, Comments, BookedByFirstName, BookedByLastName, DateBooked, ProviderFirstName, ProviderLastName, Duration, XLinkProviderID, VisitIdExternal, IsEditable, IsTelehealth
<b>Smoking Statuses</b>	PatientID, TobaccoStatusStartDate, TobaccoStatusEndDate, PacksPerDay, YearsSmoked, YearsQuit, IsSignedOff, DateRowAdded, TobaccoUseName, TobaccoUseNameExtra, DisplayOrder, SNOMED

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<b>Tracked Data</b>	PatientId, Item, Date, Value, Comments
<b>Travel History</b>	PatientId, StartDate, EndDate, Location, IsForeignLocation, Notes, CcdaGuidTravelHistory
<b>User Defined Fields</b>	PatientId, FieldValue, Template, DateEntered
<b>Vital Signs</b>	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