CENTER FOR HEALTH INFORMATION AND ANALYSIS

MASSACHUSETTS
CASE MIX

OUTPATIENT
OBSERVATION DATA (OOD)

FISCAL YEAR 2018
DOCUMENTATION MANUAL

CHIA.

Massachusetts Case Mix
Outpatient Observation Data (OOD)
FY2018

USER GUIDE

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Executive Summary

Each quarter, Massachusetts facilities provide to the Center for Health Information and Analysis (CHIA) data collected from outpatient observation units about patient stays that did not end in an inpatient admission. Data on observation stay patients who were transferred to acute inpatient facilities can be found in the FY2018 Hospital Inpatient Discharge Database (HIDD). The FY2018 Outpatient Observation Database (OOD) includes observation stays that occurred between October 1, 2017 and September 30, 2018. Facilities reported a total of 213,639 stays.

The FY2018 OOD Guide provides general information about CHIA's most recent outpatient observation data holdings. This information includes high level data notes (data collection, data application, and use) and a codebook (data element list, data dictionary, reference tables, and summary statistics).

Part A. Data Collection

Selected facilities in Massachusetts are required to submit outpatient observation stay data to CHIA under regulation *957 CMR 8.00 - APCD and Case Mix Data Submission*. Researchers can access OOD regulations through CHIA's web site at http://www.chiamass.gov/regulations. 957 CMR 8.00 - APCD and Case Mix Data Submission requires facilities to submit stay data to CHIA 75 days after each quarter. The quarterly reporting intervals for the FY2018 OOD were as follows:

- **Quarter 1:** October 1, 2017 – December 31, 2017
- **Quarter 2:** January 1, 2018 – March 31, 2018
- **Quarter 3:** April 1, 2018 – June 30, 2018
- **Quarter 4:** July 1, 2018 – September 30, 2018

CHIA reviews each facility's quarterly data for compliance with *957 CMR 8.00 - APCD and Case Mix Data Submission* using a one percent error rate. The one percent error rate is based upon the presence of one or more errors per stay for the facility's quarterly submission. CHIA checks for valid codes, correct formatting, and presence of the required data elements. If one percent or more of the stays are rejected, CHIA rejects the entire submission.

Each facility receives a quarterly error report displaying invalid stay information. Quarterly data that does not meet the one percent compliance standard must be resubmitted by the reporting facility until the standard is met.

Data Sources

Any stay for which the patient was admitted to observation, but which did not result in an inpatient admission of the patient at the reporting facility, was considered an observation stay. Observation services were furnished on a hospital's premises, and were reasonable and necessary to further evaluate the patient's condition and provide treatment to determine the need for possible admission to the hospital. These services include the use of a bed and periodic monitoring by a hospital's physician, nursing and other staff. An observation stay occurs even if the only service provided to a registered patient was triage or screening. Observation services are further defined in the HURM § 3241.

Observation Stays in Other CHIA Databases

Observation stays that began in the emergency department should have a positive value in the FY2018 OOD field "ED Indicator". Those observation stays which began as an ED Visit were not included in the FY2018 ED database. Their ED Registration and Discharge Dates and Times are included in the OOD database.

If the patient was admitted to inpatient care, observation services were reported as inpatient observation services and included in the inpatient discharge record. Data users interested in observation stays that result in an inpatient admission should use the FY2018 HIDD. The HIDD database has an "Observation Indicator" flag which identifies admissions that include an observation stay. Their ED Registration and Discharge Dates and Time are included in the HIDD database.

OOD Verification Report Process

Annually, CHIA sends each facility a report with their observation stay data to maintain and improve the quality of their data submissions. The Verification Report process gives the facilities the opportunity to review the data they have provided to CHIA and affirm data accuracy.

CHIA produces facility specific Verification Reports at year-end. CHIA asks each facility to review and verify the data contained within the report. Each Verification Report has a series of frequency tables for selected data elements that include, but are not limited to, the number of stays per month and breakouts by admission type, admission source, patient race, and disposition.

Facilities must affirm that reported data was accurate or identify any discrepancies. Facilities certify the accuracy of their data by completing a Verification Report Response form. CHIA accepts two response types from facilities:

- **A:** A facility indicates its agreement that the data appearing on the Verification Report is accurate and that it represents the facility's case mix profile.

- **B:** A facility indicates that the data on the report is accurate except for the discrepancies noted. If any data discrepancies exist, CHIA requests that facilities provide written explanations of the discrepancies.

Users interested in the FY2018 OOD Verification Reports should contact CHIA at CaseMix.data@state.ma.us. Please indicate the fiscal year of the Verification Report, the dataset name, and if the information is needed for a specific facility or set of facilities.

Part B: Applying for CHIA Data

Researchers interested in receiving CHIA data should follow the instructions below to receive access to the data. Due to the custom nature of each data request, limited information about how to use the CHIA data is provided. Users needing additional assistance applying for data or using the data should contact CHIA at CaseMIx.data@state.ma.us.

How to Apply for the Data

- To obtain a copy of the Data Use Agreement and/or other documents required for application, go to
  http://www.chiamass.gov/chia-data/

- Follow the links to the forms that correspond to the data (Case Mix, APCD) and application type (Government, Non-Government) that are appropriate to the data request.

- For FY2018, Non-Government users can access a pre-configured Limited Data Set (LDS), designed to protect patient data confidentiality while ensuring analytic value. This streamlined approach also improves CHIA's ability to deliver the data efficiently.

Securing CHIA Data Prior to Use

Approved data recipients, or agents, are obliged by the application and confidentiality agreement to secure the data in a manner that protects the confidentiality of the records and complies fully with the terms of CHIA's Data Use Agreement. All data obtained from CHIA must reside on an encrypted hard drive and/or secure network.

Data Delivery

CHIA delivers FY 2018 OOD on CD-ROMs. Users must be able to meet the following Hardware and CD requirements. Users must also be able to read and download the data files to their back office.

- CD ROM Device
- Encrypted Hard Drive with 2.0 GB of space available

Data Use

The FY2018 Case Mix OOD contains 4 Microsoft Access Database (.mdb) files or 4 SAS files (.sas7bdat). Each file name will have a suffix of "_Full" or "_Full_AAAA". Full indicates a full year or final release. AAAA indicates whether the data is from an LDS or Government dataset.

- The main FIPA_OOD_2018_**Observation** (table name: Observation), contains one record per observation stay.
- FIPA_OOD_2018_**Organization** (table name: Organization) contains one record per organization reported. This table is the look-up table for hospitals and transfer destination organization identifiers. This table can be used to lookup all facility names and hospital teaching status.
- FIPA_OOD_2018_**SubmissionLog** (table name: SubmissionLog) contains one record per quarter for each of the observation facilities filing data.
- FIPA_OOD_2018_**ErrorLog** (table name: ErrorLog) contains records by quarter and by fiscal year for the number of records passed and failed and the reason for fail by IdOrgFiler.

Linking Files

Historically, case mix data users receive a Microsoft Access version of the data and use the data directly in Access or import it into SQL, STATA™, SPSS™, SAS™ and R for analysis or data management. Organization Ids should be used to link facility data.

Part C: Data Elements

The following section should provide the user with an explanation of some of the data. For more information about specific data elements, facility reporting thresholds, or other questions about the data, please contact CHIA at CaseMix.data@state.ma.us.

About the Limited Data Set (LDS)
The pre-configured Limited Data Set (LDS) is designed to protect patient data confidentiality while ensuring analytic value. All users can access the "core" data elements. Users wishing to add to the "core" elements must indicate this by selecting from the list of "buy-ups". An applicant could use the "Buy-up" process to receive more granular data. For example, the user can request a "buy-up" to a 5 digit patient zip code instead of a 3 digit patient zip code. CHIA must review buy-up requests and may approve the request based on the project description. CHIA makes an additional set of core elements available only to government users. Government users must specifically identify requested Government-Only elements in their application.

Master Data Elements List
For the FY2018 OOD, CHIA provides a master data elements list by table. Not every user has access to every data element – some are reserved for limited dataset buy-ups or for government use. All users have access to the "CORE" data. Users who choose limited dataset buy-ups may have access to some "LDS" elements. Only government users may have access to the "GOV" fields. Users interested in purchasing the data should visit the CHIA website for instructions.

OBSERVATION TABLE-CORE ELEMENTS

AgeLDS	IDOrgHosp	RecordType01ID
AssocConditionPresentCode1-10	IdOrgSite	SecondarySourceOfPayment
AssociatedDiagnosisCode1-10	IdOrgTransfer	SecondarySourceOfVisit
AssociatedProcedureCode1-3	LengthOfStayHours	SexLDS
Charges	NewbornAgeWeeks	SourceOfVisit
CPTCode1-5	OtherCareGiver	SubmissionControlID
DepartureStatus	PermanentPatientCountryLDS	SubmissionQuarter
DaysBetweenObsStays	PermanentPatientStateLDS	SubmissionYear
ED_Flag	PermanentPatientZIP3CodeLDS	TemporaryPatientStateLDS
HispanicIndicator	PrimarySourceOfPayment	TemporaryPatientZip3CodeLDS
Homeless	PrincipalConditionPresent	TypeOfVisitObs
ICDIndicator	PrincipalDiagnosisCode	VisitPassed
IdOrgFiler	PrincipalProcedureCode	NumberOfHoursInED

OBSERVATION TABLE-LDS ELEMENTS

AssociatedProcedureCode1Date-3Date	LegacyCHIAPhysicianNumber	PrincipalProcedureCodeYYYYMM
AssociatedProcedureCode1YYYYMM-3YYYYMM	LegacyCHIAOtherPhysicianNumber	Race1-2
DischargeDate	ObservationSequence	RegistrationDate
DischargeMonth	OtherPhysicianNumber	RegistrationMonth
DischargeYear	PermanentPatientCityLDS	RegistrationYear
Ethnicity1-2	PermanentPatientZIP5CodeLDS	SurgeonAssociatedProcedure1-3
LegacyCHIAMothersUHIN	PhysicianNumber	TemporaryPatientCityLDS
LegacyCHIAPatientUHIN	PrincipalProcedureCodeDate	TemporaryPatientZip5CodeLDS
EmergencyDepartmentRegistrationDate	EmergencyDepartmentDischargeDate	

OBSERVATION TABLE-GOVERNMENT-ONLY ELEMENTS

HospitalBillNumber	OtherRace
MedicaidMemberID	PatientBirthDate
MedicalRecordNumber	RegistrationTime
OtherEthnicity	
EmergencyDepartmentRegistrationTime	EmergencyDepartmentDischargeTime
EmergencyDepartmentRegistrationHour	EmergencyDepartmentDischargeHour
EmergencyDepartmentRegistrationMinute	EmergencyDepartmentDischargeMinute

SUBMISSION TABLE

Active
IdOrgFiler
NumberOfObservations
OrgName
Passed
Quarter
SubmissionControlID
TotalCharges
Year

ERROR LOG TABLE

ErrorCategory	NumberOfObservationsPassed
ErrorDescription	OrgName
ErrorLogKey	SubmissionActive
FieldName	SubmissionControlID
IdOrgFiler	SubmissionPassed
NumberOfErrors	SubmissionQuarter
NumberOfObservations	SubmissionYear
NumberOfObservationsFailed	

ORGANIZATION TABLE

City	OrgID
DateInactive	OrganzationTypeID
GroupName	OrgName
OrganizationGroupID	State
OrganizationNumber	Type

Age LDS

If the date of birth and admission date were valid, then CHIA calculated Age LDS in years. The calculation was as follows:

- Age is calculated to be the rounded integer value – of the difference between Date of Birth and Discharge date.
- Age is zero when less than 1 year.
- If Age is valid and < 90, then AgeLDS = Age;
- If Age is valid and > 89 and <= 115, AgeLDS = 999
- If Age is missing, negative value, or value > 115, then AgeLDS = null

Diagnosis, E-Codes, and Procedure Codes

For FY2018, CHIA organized the diagnosis, e-codes, and procedure fields into principal and associated codes on the Visit table. Diagnoses and procedures were ordered as submitted by observation units to CHIA. CHIA did not require the order of diagnoses and procedures to be medically relevant. CHIA does not affirm or confirm the medical relevancy of the principal diagnosis, procedure, or e-codes. The number of Associated Diagnosis Codes and Associated Condition Present entries has increased from 5 to 10 in support of ICD-10-CM population.

Discharge Date and Discharge Time

The *Discharge Date and Discharge Time* reflects the actual date and time that the patient was discharged from the OOD. Default values, such as 11:59 PM of the day the patient was registered, were unacceptable. Time was reported as military time, and valid values include 0000 through 2359.

ED Registration and Discharge Date and Time Data

If the Observation Stay was due to a transfer from the hospital's internal Emergency Department, then providers were asked to include the ED registration and discharge dates and times. For FY2018, release of this data is limited to Government recipients only. Time was reported as military time, and valid values include 0000 through 2359.

Organization table and identifiers

In the files that CHIA releases to users, there may be an "Organization" file which contains 1 record for every valid organization identifier reported in the observation database. This record contains information about the organization that submitted the data.

FY2018 OOD contained four organization identifier fields:

- **Massachusetts Filer Organization ID (IdOrgFiler):** The Organization ID for the facility that submitted the observation unit data to CHIA.

- **Massachusetts Site Organization ID (IdOrgSite):** The Organization ID for the site where the patient received outpatient observation care.
- **Massachusetts Hospital Organization ID (IdOrgHosp):** The Organization ID for the main hospital affiliation. For example 3108 (Cambridge Health Alliance) was the IdOrgHosp for the IdOrgSite 142 (Whidden Hospital).
- **Massachusetts Transfer Hospital Organization ID (IdOrgTransfer):** is the Organization ID for the facility from which a patient is transferred. If the patient was transferred from outside of Massachusetts, the IdOrgTransfer would be 9999999.

Data Limitations

The OOD was derived from outpatient observation stay summaries, which can be traced to information entered by admitting and attending health professionals into the medical record. The quality of the OOD depends on facility data collection policies and coding practices of the medical record staff.

Information may not be entirely consistent from facility to facility due to differences in:
- Collection and verification of patient supplied information before or at admission,
- Medical record coding, consistency, and/or completeness,
- Extent of facility data processing capabilities,
- Flexibility of facility data processing systems,
- Varying degrees of commitment to quality of merged case mix and charge data,
- Capacity of financial processing system to record late occurring charges on CHIA's electronic submission,
- Non-comparability of data collection and reporting.

Historical Data Elements

Users of multiple years of Case Mix data should be careful when merging multiple years of data. In order to maintain consistency across years, users may need to merge some codes used for specific data elements. Users with questions about new data elements or changes in coding from year to year should contact CHIA at CaseMix.data@state.ma.us.

Data Dictionary

FY2018 OOD data dictionary provides metadata for the following attributes:
- *Data Element:* name as it appears in the file
- *Short description:* to help users understand the what the element contains
- *Primary table:* the main table (MS ACCESS) or file (SAS) that the data element will appear in
- *Linking tables:* other tables that contain the data element
- *Availability to users:* indicates if the data is available to all users ("CORE") a buy-up ("LDS"), or available only to government ("Government")
- *Type of Data:* describes if the data element is Categorical, Ordinal, an Identifier, Continuous, Date/Time, or Open Text
- *Format:* indicates if the data is formatted in a specific fashion
- *CHIA derived or calculated:* indicates if the field was created by CHIA
- *Description:* is a longer explanation of the data element and its limitations
- *Summary statistics:* links to frequencies or means for that data element

- *Reference table:* indicates if a Categorical data element has set of valid values that are associated with other information

Users of the data with additional questions about any specific data element should contact CHIA at CaseMix.data@state.ma.us.

Active

Short Description	CHIA indicator of quarterly submission status.
Primary Table:	SubmissionLog
Availability to Users:	CORE
Type of Data:	Categorical
Description	Chia processing field.

AgeLDS

Short Description	Age of the patient.
Primary Table:	Observation
Availability to Users:	CORE
Type of Data:	Continuous
Format:	YYY
CHIA derived	Yes
Description	Age of the patient as calculated by CHIA. Rounded up to the nearest integer. Patients younger than 1 year or older than 89 years have their ages grouped.

AssocConditionPresentCode1-10

Short Description	Flags whether the diagnosis was present on admission to Observation unit.
Primary Table:	Observation
Availability to Users:	CORE
Type of Data:	Categorical
CHIA derived	No
Description	A qualifier for each diagnosis code indicating the onset of diagnosis preceded or followed by admission. These flags indicate the onset of a diagnosis preceded or followed by admission. There is a POA indicator for every diagnosis and E-code.

AssociatedDiagnosisCode1-10

Short Description	ICD-10-CM code for each diagnosis reported by the facility. Up to 5 diagnoses in FY2018.
Primary Table:	Observation
Availability to Users:	CORE
Type of Data:	Categorical
Format:	VARCHAR
Description	ICD-10-CM Associated Diagnosis.
Reference Table	Standard ICD-10-CM Diagnosis Codes

AssociatedProcedureCode1-3

Short Description	ICD-10-PCS or CPT code for each significant procedure reported by the facility. Up to 3 procedures in FY2018.
Primary Table:	Observation
Availability to Users:	CORE
Type of Data:	Categorical
Format:	VARCHAR
Description	Patient's significant procedure, as reported in FL 74 of the UB-04. ICD code (exclude decimal point).
Reference Table	Standard ICD-10-PCS Procedure Codes

AssociatedProcedureCode1Date-3Date

Short Description	The date on which this procedure was performed
Primary Table:	Observation
Availability to Users:	LDS
Type of Data:	Date
Format:	YYYYMMDD
Description	Calendar date that 1st non-primary procedure was performed.

AssociatedProcedureCode1YYYYMM-3YYYYMM

Short Description	Month and Year in which this procedure was performed
Primary Table:	Observation
Availability to Users:	LDS
Type of Data:	Date

Format:	YYMM
Description	Month and year that 1st non-primary procedure was performed.

Charges

Short Description	Facility reported costs for a stay.
Primary Table:	Observation
Availability to Users:	CORE
Type of Data:	Continuous
Description	This is the grand total of charges associated with the patient's Observation stay . The total charge amount should be rounded to the nearest dollar. A charge of $0 is not permitted unless the patient has a special Departure Status reported by facility.

City

Short Description	Municipality in which the Observation unit is located.
Primary Table:	Organization
Availability to Users:	CORE
Type of Data:	Categorical
Description	City in which Observation facility is located.

CPTCode1-5

Short Description	CPT code for each significant procedure reported by the facility. Up to 5 Procedures in FY2018.
Primary Table:	Observation
Availability to Users:	CORE
Type of Data:	Categorical
Reference Table	Standard HCPCS or CPT codes

DateInactive

Short Description	Date in which facility was inactive as an Observation facility.
Primary Table:	Organization
Availability to Users:	CORE
Type of Data:	Date
Format:	YYYMMDD

Description	Date in which facility was inactive as an Observation facility.

DaysBetweenObsStays

Short Description	Number of days between Observation stays as calculated by CHIA.
Primary Table:	Observation
Availability to Users:	CORE
Type of Data:	Continuous
Format:	NNN
CHIA derived	Yes
Description	Count of calendar days between Observation stays for a unique patient. Patients were identified using their Social Security Number. The calculation is Date of stay 2 - Date of stay 1.

DepartureStatus

Short Description	Standardized discharge status.
Primary Table:	Observation
Availability to Users:	CORE
Type of Data:	Categorical
Format:	N
Description	CHIA defined discharge status as reported by Observation facility. This field identifies the disposition and destination of the patient after discharge from Observation.
Reference Table	

CODE	DESCRIPTION
1	Routine
2	Admission to Hospital
3	Transferred
4	Against medical advice (AMA)
5	Expired

DischargeDate

Short Description	Date of discharge from Observation.
Primary Table:	Observation
Availability to Users:	LDS
Type of Data:	Date
Format:	YYYYMMDD

Description	Calendar date of discharge from Observation.

DischargeMonth

Short Description	Month in which patient was discharged from Observation.
Primary Table:	Observation
Availability to Users:	LDS
Type of Data:	Date
Format:	MM
Description	Month of discharge from Observation. Only two-digit values are valid.

DischargeYear

Short Description	Year in which patient was discharged from Observation.
Primary Table:	Observation
Availability to Users:	LDS
Type of Data:	Date
Format:	YYYY
Description	Year of discharge from Observation unit.

ED_Flag

Short Description	Flag indicating stay began in Emergency Department.
Primary Table:	Observation
Availability to Users:	CORE
Type of Data:	Categorical
Format:	N
Description	Indicates whether an observation stay began in the Emergency Department.
Reference table	

CODE	DESCRIPTION
0	Not admitted to observation from the emergency department (ED)/ no ED visit(s) reflected on this record
1	Not admitted to observation from the emergency department but ED visit(s) reflected in this record
2	Admitted to observation from the emergency department

EmergencyDepartmentRegistrationDate:

Short description:	Date of patient registration to the hospital's Emergency Department.
Primary table:	Observation
Availability to users:	GOV
Type of Data:	Date
Format:	YYYYMMDD
Description:	Calendar date of admission to the ED.

EmergencyDepartmentRegistrationTime

Short description:	Time of patient registration in the hospital's Emergency Department.
Primary table:	Observation
Availability to users:	GOV
Type of Data:	Time
Format:	HHMM
Description:	Time at which patient was registered in the emergency department. Hours in military time (0-24 hours). Only values between 0000 and 2459 are valid.

EmergencyDepartmentDischargeDate

Short description:	Date of patient discharge from the hospital's Emergency Department.
Primary table:	Observation
Availability to users:	GOV
Type of Data:	Date
Format:	YYYYMMDD
Description:	Calendar date of discharge from the ED.

EmergencyDepartmentDischargeTime

Short description:	Time of patient discharge from the hospital's Emergency Department.
Primary table:	Observation
Availability to users:	GOV
Type of Data:	Time
Format:	HHMM
Description:	Time at which patient was discharged from the emergency department. Hours in military time (0-24 hours). Only values between 0000 and 2459 are valid.

ErrorCategory

Short Description	Indicates the error on a stay record.
Primary Table:	ErrorLog
Availability to Users:	CORE
Type of Data:	Categorical
CHIA derived	Yes
Description	CHIA flag. Used for processing.

ErrorDescription

Short Description	Standardized description of the reported error.
Primary Table:	ErrorLog
Availability to Users:	CORE
Type of Data:	Open Text
Description	CHIA flag. Used for processing.

ErrorLogKey

Short Description	Unique identifier of each error.
Primary Table:	ErrorLog
Availability to Users:	CORE
Type of Data:	Identifier
Description	Unique identifier of each error.

Ethnicity1-2

Short Description	Standardized, facility report ethnicity.
Primary Table:	Observation
Availability to Users:	LDS
Type of Data:	Categorical
CHIA derived	No
Description	OOA includes two main fields to report Ethnicity: Ethnicity 1 and Ethnicity 2. The ethnicity codes are based on the CDC Race and Ethnicity Code Set: https://www.cdc.gov/nchs/data/dvs/Race_Ethnicity_CodeSet.pdf

Reference Table

CODE	DESCRIPTION
AMERCN	American
BRAZIL	Brazilian
CVERDN	Cape Verdean
CARIBI	Caribbean Island
PORTUG	Portuguese
RUSSIA	Russian
EASTEU	Eastern European
OTHER	Other Ethnicity
UNKNOW	Unknown/Not Specified

FieldName

Short Description	Name of the data element that caused the error.
Primary Table:	ErrorLog
Availability to Users:	CORE
Type of Data:	Open Text
Description	CHIA flag. Used for processing.

GroupName

Short Description	Name of the system running the Observation unit.
Primary Table:	Organization
Availability to Users:	CORE
Type of Data:	Open Text
Description	Name of the system running the Observation facility.

HispanicIndicator

Short Description	Indicates whether patient is Hispanic.
Primary Table:	Observation
Availability to Users:	CORE
Type of Data:	Categorical
Description	A flag for patients of Cuban, Mexican, Puerto Rican, Central American or other Spanish culture or origin regardless of race.

Reference Table

CODE	DESCRIPTION
Y	Patient is Hispanic/Latino/Spanish.
N	Patient is not Hispanic/Latino/Spanish.

Homeless

Short Description	Indicates whether the patient is homeless.
Primary Table:	Observation
Availability to Users:	CORE
Type of Data:	Categorical
Description	This flag indicates that the patient was homeless at the time of stay.
Reference Table	

CODE	DESCRIPTION
Y	Patient is known to be homeless.
N	Patient is not known to be homeless.

HospitalBillNumber

Short Description	Unique patient billing record.
Primary Table:	Observation
Availability to Users:	GOV
Type of Data:	Identifier
Description	Facility unique number associated with all billing for the stay.

ICDIndicator

Short Description	Indicates if diagnoses and procedures are ICD-9-CM or ICD-10-CM/PCS
Primary Table:	Observation
Availability to Users:	CORE
Type of Data:	Categorical
Description	ICD version as reported by facility. CHIA does not clean nor validate this field.
Reference Table	

CODE	DESCRIPTION
0	ICD-10-CM/PCS Code
9	ICD-9 Code

IdOrgFiler

Short Description	ID number of the facility that submitted Observation claims.
Primary Table:	Observation
Linking Tables:	SubmissionLog

	ErrorLog
Availability to Users:	CORE
Type of Data:	Categorical
Description	The Organization ID for the facility that submitted the Observation stay data to CHIA.
Reference Table	Table 3

IDOrgHosp

Short Description	Facility identifier.
Primary Table:	Observation
Availability to Users:	CORE
Type of Data:	Categorical
Description	The Organization ID for the main facility affiliation.
Reference Table	Table 3

IdOrgSite

Short Description	Facility identifier.
Primary Table:	Observation
Availability to Users:	CORE
Type of Data:	Categorical
CHIA derived	No
Description	The Organization ID for the site where the patient received Observation care.
Reference Table	Table 3

IdOrgTransfer

Short Description	Indicates where patient was transferred from.
Primary Table:	Observation
Availability to Users:	CORE
Type of Data:	Categorical
Description	Organization ID for the facility from which a patient is transferred. If the patient was transferred from outside of Massachusetts, the IdOrgTransfer will be 9999999.
Reference Table	Table 3

LegacyCHIAMothersUHIN

Short description: Patient's mother's unique id.

Primary table: Observation

Availability to users: GOV

Type of Data: Identifier

Format: VARCHAR

Length: 9

CHIA derived: Yes

Description: CHIA generated unique identifier of a newborn's mother. For newborns or for infants less than 1 year old, CHIA derives a unique ID for the patient's mother. This unique ID allows a newborn visit to be associated with a Mother's visit. Linkable across records and fiscal years. Each patient is given by CHIA a Unique Health Information Number (UHIN), which is a surrogate key that can link patients over time and across facilities. The data element is blank, a single dash (-) appears in the UHIN field. It is valid for facilities to report that the unique patient identifier is unknown. In these cases, the UHIN appears as '000000001'. The utility of the UHIN field is dependent on the reporting data. For a small number of facilities, little or no UHIN data exists, as these institutions failed to report patients' uniquely identified information. Other facilities reported the same data repeatedly, resulting in numerous admissions for one UHIN. In other cases, the demographic information (age, sex, etc.) was not consistent when a match did exist with the UHIN. Some explanations for this include assignment of a mother's unique identifier to her infant or assignment of a spouse's unique identifier to a patient. Invalid data uses the code UHIN="4".

LegacyCHIAPatientUHIN

Short description: Patient's unique id.

Primary table: Observation

Availability to users: GOV

Type of Data: Identifier

Format: VARCHAR

Length: 9

CHIA derived: No

Description: CHIA generated unique identifier of the patient. Linkable across records and fiscal years. Each patient is given by CHIA a Unique Health Information Number (UHIN), which is a surrogate key that can link patients over time and across facilities. The data element is blank, a single dash (-) appears in the UHIN field. It is valid for facilities to report that the unique patient identifier is unknown. In these cases, the UHIN appears as '000000001'. The utility of the UHIN field is dependent on the

reporting data. For a small number of facilities, little or no UHIN data exists, as these institutions failed to report patients' uniquely identified information. Other facilities reported the same data repeatedly, resulting in numerous admissions for one UHIN. In other cases, the demographic information (age, sex, etc.) was not consistent when a match did exist with the UHIN. Some explanations for this include assignment of a mother's unique identifier to her infant or assignment of a spouse's unique identifier to a patient. Invalid data uses the code UHIN="4".

LegacyCHIAPhysicanNumber

Short Description	Unique identifier of the attending physician.
Primary Table:	Observation
Availability to Users:	LDS
Type of Data:	Identifier
Description	Identifier for the Observation Physician who provided services related to this stay. Report if the physician's involvement in the patient's Observation stay was captured in the facility's electronic information systems.

LegacyCHIAOtherPhysicanNumber

Short Description	Unique identifier of a non-attending physician.
Primary Table:	Observation
Availability to Users:	LDS
Type of Data:	Identifier
Description	Idenfitier for physician other than the Observation Physician who provided services related to this stay. Report if the physician's involvement in the patient's Observation stay was captured in the facility's electronic information systems.

LengthOfStayHours

Short Description	Count of hours spent in the Observation unit.
Primary Table:	Observation
Availability to Users:	CORE
Type of Data:	Continuous
Format:	NNN
CHIA derived	Yes
Description	Count of hours between the admitting and discharge time for an Observation stay.

MedicaidMemberID

Short Description	Patient's MassHealth unique ID.
Primary Table:	Observation
Availability to Users:	GOV
Type of Data:	Identifier
Description	Unique MassHealth Identifier of a patient.

MedicalRecordNumber

Short Description	Stay identifier assigned by the facility.
Primary Table:	Observation
Availability to Users:	GOV
Type of Data:	Identifier
Description	Facility specific identifier for the stay. Can be tied back to specific medical records at the facility.

NewbornAgeWeeks

Short Description	Age of children younger than age 1.
Primary Table:	Visit
Availability to Users:	CORE
Type of Data:	Continuous
Format:	NN
CHIA derived	Yes
Description	Age in weeks for children younger than 53 weeks of age who were admitted for Observation. Weeks are calculated from the Admitting Date - the DOB, and then rounded to the nearest week. Only values between 0 and 52 are valid. All other values are invalid.

NumberOfErrors

Short Description	Count of errors in submission from Observation.
Primary Table:	ErrorLog
Availability to Users:	CORE
Type of Data:	Continuous

Description	Chia processing field.

NumberOfObservations

Short Description	Count of Observation stay records for a facility in a quarter.
Primary Table:	SubmissionLog
Linking Tables:	ErrorLog
Availability to Users:	CORE
Type of Data:	Continuous
Description	Total number of registered observation stays occurring during the reporting period.

NumberOfObservationsFailed

Short Description	Count of Observation stay records that failed CHIA intake.
Primary Table:	ErrorLog
Availability to Users:	CORE
Type of Data:	Continuous
Description	Count of observation stay records that failed CHIA intake.

NumberOfObservationsPassed

Short Description	Count of observation stay records that passed CHIA intake.
Primary Table:	ErrorLog
Availability to Users:	CORE
Type of Data:	Continuous
Description	Count of observation stay records that passed CHIA intake.

ObservationSequence

Short Description	Order in which observation stays occurred for a patient.
Primary Table:	Observation
Availability to Users:	LDS
Type of Data:	Continuous
CHIA derived	Yes
Description	Numeric order of observation stays in Massachusetts for a patient based on the patient's social security number.

OrganizationGroupID

Short Description	Code indicating the system that runs the Observation unit.
Primary Table:	Organization
Availability to Users:	CORE
Type of Data:	Categorical
Description	Code indicating the system that runs the Observation unit.
Reference Table	Table 3

OrganizationNumber

Short Description	ORGID of the facility that owns the Observation unit.
Primary Table:	Organization
Availability to Users:	CORE
Type of Data:	Categorical
Description	Identifier of the facility that owns the Observation unit.
Reference Table	Table 3

OrganizationTypeID

Short Description	Analogue to all the organization identifiers.
Primary Table:	Organization
Availability to Users:	CORE
Type of Data:	Categorical
Description	Organization ID that can be linked to all "IdOrg" fields.
Reference Table	Table 3

OrgID

Short Description	Facility identifier.
Primary Table:	Organization
Availability to Users:	CORE
Type of Data:	Open Text
Description	CHIA assigned identifier for a facility.
Reference Table	Table 3

OrgName

Short Description	Name of Observation facility.
Primary Table:	Organization
Linking Tables:	SubmissionLog
	ErrorLog
Availability to Users:	CORE
Type of Data:	Open Text
Description	Facility name.

OtherCareGiver

Short Description	Indicates if the patient had a caregiver.
Primary Table:	Observation
Availability to Users:	CORE
Type of Data:	Categorical
Description	Indicates the type of primary caregiver responsible for the patient's care other than the attending physician, operating room physician, or nurse midwife as specified in the Regulation. Other caregiver codes include resident, intern, nurse practitioner, and physician assistant.

Reference Table

CODE	DESCRIPTION
1	Resident
2	Intern
3	Nurse Practitioner
4	Not Used
5	Physician Assistant

OtherEthnicity

Short Description	Non-standard patient ethnicity designation.
Primary Table:	Observation
Availability to Users:	GOV
Type of Data:	Open Text
Description	Patient's Ethnicity as entered by the facility. Other Ethnicity is a free text field for reporting any additional ethnicities available only to Government users.

OtherPhysicianNumber

Short Description	Unique identifier of a non-attending physician.
Primary Table:	Observation
Availability to Users:	LDS
Type of Data:	Identifier
Description	Physician's state license number (BORIM #) for physician other than the Observation Physician who provided services related to the stay. Report if the physician's involvement in the patient's Observation stay was captured in the facility's electronic information systems. If BORIM is unable, then must be "DENSG", "PODTR", "OTHER", "NURSEP", "PHYAST" or "MIDWIF".

OtherRace

Short Description	Non-standard patient race designation.
Primary Table:	Observation
Availability to Users:	GOV
Type of Data:	Open Text
Description	Patient's Race as entered by the facility. Other Race is an open text field for reporting additional races when Race 1 or Race 2 equals "R9", or "Other Race".

Passed

Short Description	CHIA processing field.
Primary Table:	SubmissionLog
Availability to Users:	CORE
Type of Data:	Continuous
Description	Count of observation stay records that passed CHIA processing.

PatientBirthDate

Short Description	Patient date of birth.
Primary Table:	Observation
Availability to Users:	GOV
Type of Data:	Date
Format:	YYYYMMDD
Description	Calendar date of patient's birth.

PermanentPatientCityLDS

Short Description	Permanent city of residence for the patient.
Primary Table:	Observation
Availability to Users:	LDS
Type of Data:	Categorical
Description	Primary city of residency for patient.

PermanentPatientCountryLDS

Short Description	Permanent country of residence for the patient.
Primary Table:	Observation
Availability to Users:	CORE
Type of Data:	Categorical
Description	Primary country of residency for patient.

PermanentPatientStateLDS

Short Description	Permanent state of residence for the patient.
Primary Table:	Observation
Availability to Users:	CORE
Type of Data:	Categorical
Description	Primary state of residency for patient. Only values in the reference table are valid.

PermanentPatientZIP3CodeLDS

Short Description	3-digit ZIP code of the patient's permanent residence.
Primary Table:	Observation
Availability to Users:	CORE
Type of Data:	ZIP code
Format:	NNN
Description	First three digits of patient's permanent ZIP code. ZIP codes were not standardized and this field was as reported from a nine-digit ZIP code.

PermanentPatientZIP5CodeLDS

Short Description	5-digit ZIP code of the patient's permanent residence.
Primary Table:	Observation
Availability to Users:	LDS
Type of Data:	ZIP code
Format:	NNNNN
Description	First five digits of patient's permanent ZIP code. ZIP codes were not standardized and this field was as reported from a nine-digit ZIP code.

PhysicianNumber

Short Description	Unique identifier of the attending physician.
Primary Table:	Observation
Availability to Users:	LDS
Type of Data:	Identifier
Description	Physician's state license number (BORIM #) for the Observation Physician who provided services related to this stay. Report if the physician's involvement in the patient's Observation stay was captured in the facility's electronic information systems. If BORIM is unable, then must be "DENSG", "PODTR", "OTHER"," NURSEP", "PHYAST" or "MIDWIF".

PrimarySourceOfPayment

Short Description	Primary payer for the stay.
Primary Table:	Observation
Availability to Users:	CORE
Type of Data:	Categorical
Description	Primary payer for the Observation stay.
Reference Table	Online at CHIA website: Payer Codes (Excel)

PrincipalConditionPresent

Short Description	Flag indicating that principal condition was present on admission.
Primary Table:	Observation
Availability to Users:	CORE
Type of Data:	Categorical
Description	Indicates that principal condition was present on admission.

PrincipalDiagnosisCode

Short Description	ICD-10-CM code for the condition that led to the admission to the Observation unit.
Primary Table:	Observation
Availability to Users:	CORE
Type of Data:	Categorical
Description	The condition established after study to be chiefly responsible for occasioning the admission of the patient to the observation unit. Facility determined.
Reference Table	Standard ICD-10-CM Diagnosis Codes

PrincipalProcedureCode

Short Description	ICD-10-PCS code for the principal procedure in the Observation unit stay.
Primary Table:	Observation
Availability to Users:	CORE
Type of Data:	Categorical
CHIA derived	No
Description	The chief procedure performed in the Observation unit. Facility determined.
Reference Table	Standard ICD-10-PCS Procedure Codes

PrincipalProcedureCodeDate

Short Description	Date of the principal Procedure.
Primary Table:	Observation
Availability to Users:	LDS
Type of Data:	Date
Format:	YYYYMMDD
Description	Calendar date of principal procedure.

PrincipalProcedureCodeYYYYMM

Short Description	Month and Year of the principal procedure.
Primary Table:	Observation
Availability to Users:	LDS

Type of Data:	Date
Format:	YYYYMM
Description	Month and year of principal procedure.

Quarter

Short Description	Quarter of submission.
Primary Table:	SubmissionLog
Availability to Users:	CORE
Type of Data:	Categorical
Description	Quarter in which the observation stay was submitted to CHIA.

Race1-2

Short Description	Standardized, facility reported ethnicity.
Primary Table:	Observation
Availability to Users:	LDS
Type of Data:	Categorical
Description	CHIA has adopted federal Office of Management and Budget standard race and ethnicity values that are consistent with CDC standards.

Reference Table

CODE	DESCRIPTION
R1	American Indian/Alaska Native
R2	Asian
R3	Black/African American
R4	Native Hawaiian or other Pacific Islander
R5	White
R9	Other Race

RecordType01ID

Short Description	Stay identifier.
Primary Table:	Observation
Availability to Users:	CORE
Type of Data:	Identifier
Description	Stay identifier used for CHIA processing.

RegistrationDate

Short Description	Date of admission to the Observation unit.
Primary Table:	Observation
Availability to Users:	LDS
Type of Data:	Date
Format:	YYYYMMDD
Description	Calendar date of admission to Observation.

RegistrationMonth

Short Description	Month of admission to the Observation unit.
Primary Table:	Observation
Availability to Users:	LDS
Type of Data:	Date
Format:	MM
Description	Month in which the patient was admitted to Observation. Only values between 1 and 12 are valid.

RegistrationTime

Short Description	Time stamp indicating when the patient was admitted the Observation unit.
Primary Table:	Observation
Availability to Users:	GOV
Type of Data:	Time
Format:	HHMM
Description	Time at which the patient was admitted to the Observation. Hours in military time (0-24 hours). Only values between 0000 and 2459 are valid.

RegistrationYear

Short Description	Year of admission to the Observation unit.
Primary Table:	Observation
Availability to Users:	LDS
Type of Data:	Date
Format:	YYYY
Description	Year patient was admitted to Observation.

SecondarySourceOfPayment

Short Description	Secondary payer for the stay.
Primary Table:	Observation
Availability to Users:	CORE
Type of Data:	Categorical
Description	Secondary payer for the observation stay.
Reference Table	Online at CHIA website: Payer Codes (Excel)

SecondarySourceOfVisit

Short Description	Secondary cause of stay.
Primary Table:	Observation
Availability to Users:	CORE
Type of Data:	Categorical
Description	The two sources of stay codes (Source of stay and Secondary Source of stay) which indicate the source originating, referring or transferring the patient to Observation. Please note that the terms "visit" and "stay" are used interchangeably for observation services.
Reference Table	Table 1

SexLDS

Short Description	Standardized gender assignment of the patient.
Primary Table:	Observation
Availability to Users:	CORE
Type of Data:	Categorical
Description	Gender of the patient.

Reference Table

CODE	DESCRIPTION
M	Male
F	Female
U	Unknown

SourceOfVisit

Short Description	How a patient reached the Observation unit.
Primary Table:	Observation

Availability to Users:	CORE
Type of Data:	Categorical
CHIA derived	No
Description	The two sources of stay codes (Source of Visit and Secondary Source of Visit) which indicate the source originating, referring or transferring the patient to Observation. Reporting patterns for the Source of Vist data element may vary widely and, as a result, may not be reliable. Please note that the terms "visit" and "stay" are used interchangeably for observation services.
Reference Table	Table 1

State

Short Description	Facility state.
Primary Table:	Organization
Availability to Users:	CORE
Type of Data:	Categorical
Description	State in which reporting facility is located.

SubmissionActive

Short Description	CHIA flag.
Primary Table:	ErrorLog
Availability to Users:	CORE
Type of Data:	Identifier
CHIA derived	Yes
Description	CHIA flag. Used for processing.

SubmissionControlID

Short Description	Unique facility-quarter-submission identifier. Key link from the stay table.
Primary Table:	Observation
Linking Tables:	SubmissionLog
	ErrorLog
Availability to Users:	CORE
Type of Data:	Identifier
Description	Unique id for a facility's submission of data to CHIA. Usually one Submission Control ID is associated with a facilities' quarterly submission.

SubmissionPassed

Short Description	CHIA flag.
Primary Table:	ErrorLog
Availability to Users:	CORE
Type of Data:	Identifier
CHIA derived	Yes
Description	Indicates that observation stay data was submitted to CHIA and passed.

SubmissionQuarter

Short Description	Indicates the quarter (1-4) in which the record was submitted to CHIA.
Primary Table:	Observation
Linking Tables:	ErrorLog
Availability to Users:	CORE
Type of Data:	Categorical
Description	Quarter in which the observation stay data was submitted to CHIA.

SubmissionYear

Short Description	Indicates the year (2017-2018) in which the record was submitted to CHIA.
Primary Table:	Observation
Linking Tables:	ErrorLog
Availability to Users:	CORE
Type of Data:	Categorical
Description	Year in which the observation stay data was submitted to CHIA.

SurgeonAssociatedProcedure1-3

Short Description	ICD-10-PCS or CPT code for each significant procedure reported by the facility. Up to 3 procedures in FY2018.
Primary Table:	Observation
Availability to Users:	LDS
Type of Data:	Categorical
Description	Patient's significant procedure, as reported in FL 74 of the UB-04. ICD code (exclude decimal point).
Reference Table	Standard ICD-10-PCS Procedure Codes

TemporaryPatientCityLDS

Short Description	Current city of patient residence, if different from permanent residence.
Primary Table:	Observation
Availability to Users:	LDS
Type of Data:	Categorical
Description	MA city in which the patient temporarily resides.

TemporaryPatientStateLDS

Short Description	Current state of patient residence, if different from permanent residence.
Primary Table:	Observation
Availability to Users:	CORE
Type of Data:	Categorical
Description	Indicates "MA" if the patient temporarily resides in Massachusetts.

TemporaryPatientZip3CodeLDS

Short Description	Current 3-digit ZIP code of patient residence, if different from permanent residence.
Primary Table:	Observation
Availability to Users:	CORE
Type of Data:	ZIP code
Format:	NNN
Description	First three digits of patient's temporary, Massachusetts ZIP code. ZIP codes are not standardized and this field is as reported from a nine-digit ZIP code. The Limited Data Set supports selection of 3-character ZIP Code or 5-character ZIP Code for approval by CHIA. Government users may be able to request a 9-character ZIP Code. For LDS users only, if the patient state was not in Massachusetts or a state bordering Massachusetts (Connecticut, Maine, New Hampshire, New York, or Rhode Island) ZIP codes were set to zeros (0s) and the state was removed.

TemporaryPatientZip5CodeLDS

Short Description	Current 5-digit ZIP code of patient residence, if different from permanent residence.

Primary Table:	Observation
Availability to Users:	LDS
Type of Data:	ZIP code
Format:	NNNNN
Description	First five digits of patient's temporary, Massachusetts ZIP code. ZIP codes are not standardized and this field is as reported from a nine-digit ZIP code. The Limited Data Set supports selection of 3-character ZIP Code or 5-character ZIP Code for approval by CHIA. Government users may be able to request a 9-character ZIP Code. For LDS users only, if the patient state was not in Massachusetts or a state bordering Massachusetts (Connecticut, Maine, New Hampshire, New York, or Rhode Island) ZIP codes were set to zeros (0s) and the state was removed.

TotalCharges

Short Description	Total charges associated with Observation stay(s) in a Facility-Submission-Quarter.
Primary Table:	SubmissionLog
Availability to Users:	CORE
Type of Data:	Continuous
Description	Sum of charges for the submission.

Type

Short Description	Indicates the type of facility where stay occurred.
Primary Table:	Organization
Availability to Users:	CORE
Type of Data:	Categorical
Description	Categorizes observation stays by facility type. Curated by CHIA.

TypeVisitObs

Short Description	Indicates the type of stay.
Primary Table:	Observation
Availability to Users:	CORE
Type of Data:	Categorical
Description	Facilities indicate whether the stay was Emergency, Urgent, Non-Urgent, Newborn, or Unavailable.

Reference Table

CODE	DESCRIPTION
1	Emergency
2	Urgent
3	Elective
4	Newborn
5	Information not available

VisitPassed

Short Description	CHIA flag.
Primary Table:	Observation
Availability to Users:	CORE
Type of Data:	Identifier
Description	CHIA flag. Used for processing.

Year

Short Description	Indicates year of submission.
Primary Table:	SubmissionLog
Availability to Users:	CORE
Type of Data:	Categorical
Description	Calendar Year the data was submitted.

Longer Reference Tables

FY2018 ODD has several standard reference tables. These relate to categorical variables driven by the *Outpatient Observation Database FY17-FY19 Submission Guide*. Some of the tables have been integrated into the data dictionary. This section contains longer tables used by multiple data elements. Users of the data with additional questions about any specific reference table should contact CHIA at CaseMix.data@state.ma.us**.**

TABLE 1.   SOURCE OF VISIT

Principal Data Element	**SourceofVisit**
Other Data Elements	SecondarySourceofVisit
Rules	All other values were invalid

CODE	DESCRIPTION
0	Information Not Available
1	Direct Physician Referral
2	Within Hospital Clinic Referral
3	Direct Health Plan Referral/HMO Referral
4	Transfer from Acute Care Hospital
5	Transfer from a Skilled Nursing Facility (SNF)
6	Transfer from Intermediate Care Facility (ICF)
7	Outside Hospital Emergency Room Transfer
8	Court/Law Enforcement
9	Other
F	Transfer from a Hospice Facility
L	Outside Hospital Clinic Referral
M	Walk-In/Self-Referral
R	Inside Hospital ER Transfer
T	Transfer from Another Institution's Ambulatory Surgery (SDS)
W	Extramural Birth
Y	Within Hospital Ambulatory Surgery Transfer (SDS Transfer)

TABLE 2.   CONDITION PRESENT

Principal Data Element	**Principal ConditionPresent**
Rules	All other values invalid.

CODE	DESCRIPTION
Y	Yes
N	No
U	Unknown
W	Clinically undetermined
1	Exempt
A	Not Applicable

TABLE 3.   ORGANIZATION

Data Elements :   IdOrgFiler
                       IdOrgHosp
                       IdOrgSite
                       IdOrgTransfer
                       OrgID

CODE	ORGANIZATION NAME
1	Anna Jaques Hospital
2	Athol Memorial Hospital
4	Baystate Medical Center
5	Baystate Franklin Medical Center
7	Berkshire Health System - Berkshire Campus
8	Fairview Hospital
10	Beth Israel Deaconess Medical Center - East Campus
16	Boston Medical Center
22	Brigham and Women's Hospital
25	Signature Healthcare - Brockton Hospital
27	Cambridge Health Alliance
39	Cape Cod Hospital
40	Falmouth Hospital
41	Steward - Norwood Hospital
42	Steward - Carney Hospital
46	Children's Hospital Boston
49	MetroWest Medical Center - Framingham Campus
50	Cooley Dickinson Hospital

CODE	ORGANIZATION NAME
51	Dana-Farber Cancer Institute
53	Beth Israel Deaconess Hospital - Needham
57	Emerson Hospital
59	Brigham and Women's - Faulkner Hospital
62	Steward - Good Samaritan Medical Center - Brockton Campus
66	Melrose Wakefield Healthcare - Lawrence Memorial Hospital Campus
68	Harrington Memorial Hospital
71	Health Alliance Hospitals, Inc.
73	Heywood Hospital
75	Steward - Holy Family Hospital
77	Holyoke Medical Center
79	Beth Israel Deaconess – Plymouth (Jordan)
81	Lahey Clinic -- Burlington Campus
83	Lawrence General Hospital
85	Lowell General Hospital – Main Campus
88	Martha's Vineyard Hospital
89	Massachusetts Eye and Ear Infirmary
91	Massachusetts General Hospital
97	Milford Regional Medical Center
98	Beth Israel Deaconess - Milton
99	Steward - Morton Hospital
100	Mount Auburn Hospital
101	Nantucket Cottage Hospital
103	New England Baptist Hospital
104	Tufts-New England Medical Center
105	Newton-Wellesley Hospital
106	Baystate Noble Hospital
109	Lahey Health - Addison Gilbert Campus
110	Lahey Health - Beverly Campus
114	Steward - Saint Anne's Hospital
115	Lowell General - Saints Campus
116	North Shore Medical Center, Inc. - Salem Campus
119	Mercy Medical Center - Springfield Campus
122	South Shore Hospital
123	Southcoast Hospitals Group - Charlton Memorial Campus
124	Southcoast Hospitals Group - St. Luke's Campus

CODE	ORGANIZATION NAME
126	Steward - St. Elizabeth's Medical Center
127	Saint Vincent Hospital
129	Sturdy Memorial Hospital
130	UMass Memorial Medical Center - Memorial Campus
131	UMass Memorial Medical Center - University Campus
132	Health Alliance - Clinton Hospital
133	Marlborough Hospital
138	Lahey Winchester Hospital
139	Baystate Wing Memorial Hospital
141	Melrose Wakefield Healthcare - Melrose-Wakefield Hospital Campus
142	Cambridge Health Alliance - Whidden Memorial Campus
143	Cambridge Health Alliance - Somerville Campus
145	Southcoast Hospitals Group - Tobey Campus
457	MetroWest Medical Center - Leonard Morse Campus
6693	Shriners Hospital for Children – Boston
11466	Steward - Holy Family at Merrimack Valley
11467	Steward - Nashoba Valley Medical Center
11718	Shriner's Children's Hospital - Springfield

TABLE 4. PAYER TYPE

Principal Data Element   PayerType
Other Data Elements   ManagedCareCode
                          MCareMCaidPrivCode
Rules   All other values invalid.

PAYER TYPE CODE	PAYER TYPE ABBREVIATION	PAYER TYPE DEFINITION
1	SP	Self-Pay
2	WOR	Worker's Compensation
3	MCR	Medicare
F	MCR-MC	Medicare Managed Care
4	MCD	Medicaid
B	MCD-MC	Medicaid Managed Care
5	GOV	Other Government Payment
6	BCBS	Blue Cross
C	BCBS-MC	Blue Cross Managed Care
7	COM	Commercial Insurance
D	COM-MC	Commercial Managed Care
8	HMO	HMO
9	FC	Free Care
0	OTH	Other Non-Managed Care Plans
E	PPO	PPO and Other Managed Care Plans Not Elsewhere Classified
H	HSN	Health Safety Net
J	POS	Point-of-Service Plan
K	EPO	Exclusive Provider Organization
T	AI	Auto Insurance
Q	ComCare	Commonwealth Care/ConnectorCare Plans
Z	DEN	Dental Plans
N	None	None (Valid only for Secondary Payer)

## TABLE 5.	STATE

Principal Data Element	**PermanentPatientStateLDS**
Other Data Elements	TemporaryPatientStateLDS
Rules	All other values were invalid
	Must be present when Patient Country was 'US'
	Must be valid U.S. postal code for state

STATE/POSSESSION	ABBREVIATION	STATE/POSSESSION	ABBREVIATION
Alabama	AL	Montana	MT
Alaska	AK	Nebraska	NE
American Samoa	AS	Nevada	NV
Arizona	AZ	New Hampshire	NH
Arkansas	AR	New Jersey	NJ
California	CA	New Mexico	NM
Colorado	CO	New York	NY
Connecticut	CT	North Carolina	NC
Delaware	DE	North Dakota	ND
District of Columbia	DC	N.Mariana Islands	MP
Federated States of Micronesia	FM	Ohio	OH
Florida	FL	Oklahoma	OK
Georgia	GA	Oregon	OR
Guam	GU	Palau	PW
Hawaii	HI	Pennsylvania	PA
Idaho	ID	Puerto Rico	PR
Illinois	IL	Rhode Island	RI
Indiana	IN	South Carolina	SC
Iowa	IA	South Dakota	SD
Kansas	KS	Tennessee	TN
Kentucky	KY	Texas	TX
Louisiana	LA	Utah	UT
Maine	ME	Vermont	VT
Marshall Islands	MH	Virgin Islands	VI
Maryland	MD	Virginia	VA
Massachusetts	MA	Washington	WA
Michigan	MI	West Virginia	WV
Minnesota	MN	Wisconsin	WI
Mississippi	MS	Wyoming	WY
Missouri	MO		

Part D. Data Notes / Caveats

At the time of this publication the following data notes or caveats were present. Data notes or caveats will not be regularly updated in this Documentation Manual.

- **HealthAlliance (ORG ID 71) / Clinton (ORG ID 132) Hospitals** – HealthAlliance Hospital merged with Clinton Hospital on 10/1/2017 becoming UMass HealthAlliance- Clinton Hospital, an acute hospital with two campuses. The newly merged facility, UMass HealthAlliance-Clinton Hospital (ORG ID 71), assumed all medical record reporting for Clinton Hospital (ORG ID 132) for all quarters in the FY18 reporting period.

Prior to releasing the Final FY2018 Hospital Outpatient Observation Data, CHIA provides the hospitals with a profile of the data submitted. Providers may resubmit data or may provide written feedback to CHIA. Below is a summary of some of the key feedback received.

- Baystate Franklin Medical Center (ORG ID 5), Baystate Wing Hospital (ORG ID 139) and St. Vincent's Hospital (Org ID 127):
  - Certain fields for observation patients admitted through the Emergency Department (ED) including Registration Time and Day, Discharge Day and Number of Observation Visits with ED hours greater than 24 hours were not reported for FY18.
- Dana Farber Cancer Institute (ORG ID 51):
  - Observation Type stays were not reported correctly for FY18. All Emergency observation type visits for Dana Farber are admitted through the Emergency Department at Brigham and Women's Hospital (ORG ID 22).
- Lawrence General Hospital (ORG ID 83):
  - Due to a system conversion, the validation reports could not be reviewed for FY18. However, their reported data passed validation thresholds.
- North Shore Medical Center – Salem Campus (ORG ID 116):
  - Observation stays by Patient Hispanic Indicator were not reported correctly in this field and do not accurately reflect patient population.
- Steward Norwood Hospital (ORG ID 41):
  - Due to a system conversion and late filing of submissions, the validation reports could not be reviewed for quarter 3 & quarter 4 of FY18. However, their reported data passed validation thresholds.
- Steward St. Anne's (ORG ID 114) and Carney Hospital (ORG ID 42):
  - Due to a system conversion and late filing of submissions, the validation reports could not be reviewed for quarter 4 of FY18. However, their reported data passed validation thresholds.
- UMass Memorial Medical Center – University Campus (ORG ID 131):
  - Observation stays by Departure Status, Ethnicity and Patient Hispanic Indicator were not reported correctly for FY18. The Average and Total Charges per observation stay and the total number of visits registered in the ED by day of week were also incorrectly reported.