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](mailto: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](mailto: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-](http://www.chiamass.gov/chia-data/)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](mailto: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](mailto: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](mailto: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.](https://www.cdc.gov/nchs/data/dvs/Race_Ethnicity_CodeSet.pdf)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](http://www.chiamass.gov/information-for-data-submitters-acute-hospital-case-mix-data/) (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.

**Reference Table** Table 2

**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](http://www.chiamass.gov/information-for-data-submitters-acute-hospital-case-mix-data/) (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](mailto:CaseMix.data@state.ma.us)**.**

Principal Data Element **SourceofVisit**

**TABLE 1. SOURCE OF VISIT**

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

**Data Elements** : IdOrgFiler IdOrgHosp IdOrgSite IdOrgTransfer

OrgID

**TABLE 3. ORGANIZATION**

**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

Principal Data Element PayerType

**TABLE 4. PAYER TYPE**

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):

o 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):

o 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):

o 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):

o 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):

o 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):

o 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):

o 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.