The Commonwealth of Massachusetts
Center for Health Information and Analysis

Fiscal Year: 2011
Outpatient Hospital Emergency Department
Database Documentation Manual

Date Issued: April 23, 2013

FY2011 Outpatient Hospital Emergency Department Database

Table of Contents

INTRODUCTION

This documentation manual consists of two sections, General Documentation and Technical Documentation. This documentation manual is for use with the Emergency Department Visit 2011 database. The FY2011 ED data was made available in August, 2012.

Section I. General Documentation

The General Documentation for the Fiscal Year 2011 Emergency Department Database includes background on its development and is intended to provide users with an understanding of the data quality issues connected with the data elements they may decide to examine. This document contains hospital-reported discrepancies received in response to the data verification process.

Section II. Technical Documentation

The Technical Documentation includes information on the fields calculated by the Center for Health Information and Analysis (CHIA), and a data file summary section describing the hospital data that is contained in the file.

For your reference, CD Specifications are listed in the following section to provide the necessary information to enable users to access files.

Copies of **Regulation 114.1 CMR 17.00: Requirement for the Submission of Hospital Case Mix and Charge Data**, **Outpatient Emergency Department Visit Data Electronic Records Submission Specification**, and **Regulation 114.5 CMR 2.00: Disclosure of Hospital Case Mix and Charge Data** may be obtained by logging on to the CHIA web site at http://www.mass.gov/chia/, or by faxing a request to CHIA at 617-727-7662, or by emailing a request to CHIA at **Public.Records@state.ma.us**.

Specifications outlining the **ED data release file fields and Access 3 database structure** for the various **ED Data Release Levels** are in development at the time of release of this document. When complete these will be published on the **CHIA website**.

CD SPECIFICATIONS

Hardware Requirements:

- CD ROM Device
- Hard Drive with **2.50 GB** of space available

CD Contents:

This CD contains the Final / Full Year 2011 Emergency Department Data Product. It contains two Microsoft Access data base (MDB) files.

1) The ED Visit file contains one record per ED visit.
2) The ED Service file contains one record for each service provided each patient.

Linkage can be performed between ED Visits and ED Services by utilizing the **RecordType20ID**, **EDVisitID**, and **SubmissionControlID**. These 3 combined will produce a unique visit key.

This is **an Access 2003 database**.

File Naming Conventions:

This CD contains self-extracting compressed files, using the file-naming convention below:

Hospital_EDVisit_CCYY_FullYear_L# and Hospital_EDServices_CCYY_FullYear

Where:
- CCYY = the Fiscal Year for the data included
- # = the level of data

To extract data from the CD and put it on your hard drive, select the CD file you need and double click on it. You will be prompted to enter the name of the target destination.

GENERAL DOCUMENTATION

OVERVIEW

The General Documentation consists of six sections:

PART A. BACKGROUND INFORMATION:

> Part A provides information on the quarterly reporting periods and the development of the FY2011 Emergency Department Visit Database.

PART B. DATA:

> Part B describes the basic data quality standards as contained in **Regulation 114.1 CMR 17.00: Requirement for the Submission of Hospital Case Mix and Charge Data**, some general data definitions, general data caveats, and information on specific data elements.

> Case mix data plays a vital and growing role in health care research and analysis. To ensure the database is as accurate as possible, CHIA strongly encourages hospitals to verify the accuracy of their data. A standard Verification Report Response Form is issued by CHIA, and is used by each hospital to verify the accuracy of their data as it appears on their FY2011 Final Case-mix Verification Report. If a hospital finds data discrepancies, CHIA requests that the hospital submit written corrections that provide an accurate profile of that hospital's discharges.

PART C. HOSPITAL RESPONSES:

> Part C details hospital responses received as a result of the data verification process. From this section users can also learn which hospitals did not verify their data. This section contains the following lists and charts:

> 1) Summary of Hospitals' FY2011 Verification Report Responses
> 2) Individual Hospital Discrepancy Documentation

PART D. CAUTIONARY USE HOSPITALS:

> Part D lists the hospitals for which CHIA did not receive four (4) quarters of acceptable hospital discharge data, as specified under Regulation 114.1 CMR 17.00.

> For 2011, all hospitals were in compliance.

PART E. HOSPITALS SUBMITTING DATA:

> Part E lists Hospital discharge and charge totals by quarter for data submissions.

PART F. SUPPLEMENTARY INFORMATION:

> Part F provides Supplements I through III listed in the Table of Contents. It contains specific information about Error types, Hospital names and addresses, and Hospital name and affiliation changes.

PART A: BACKGROUND INFORMATION

1. QUARTERLY REPORTING PERIODS

Massachusetts hospitals are required to file case-mix data which describes various characteristics of their patient population, as well as the charges for services provided to their patients in accordance with Regulation 114.1 CMR 17.00. Hospitals report data to CHIA on a quarterly basis. For the 2011 period, these quarterly reporting intervals were as follows:

- **Quarter 1:   October 1, 2010 – December 31, 2010**
- **Quarter 2:   January 1, 2011 – March 31, 2011**
- **Quarter3:   April 1, 2011 – June 30, 2011**
- **Quarter 4:   July 1, 2011 – September 30, 2011**

2. DEVELOPMENT OF THE FISCAL YEAR DATABASE

The Massachusetts Center for Health Information and Analysis adopted final regulations regarding the collection of emergency department data from Massachusetts' hospitals, effective October 1, 2001. They are contained in **Regulation 114.1 CMR 17.00**, and the **Outpatient Emergency Department Visit Data Electronic Records Submission Specification**, both of which are available on CHIA's website.

The ED database captures data concerning visits to emergency departments in Massachusetts' acute care hospitals and satellite emergency facilities **that do not result in admission to an inpatient or outpatient observation stay**. To avoid duplicate reporting, data on ED patients admitted to observation stays will continue to be reported to the Outpatient Observation Stay database, and ED patients admitted as inpatients will continue to be reported to the inpatient Hospital Discharge Database. CHIA has asked providers to flag those patients admitted from the ED in the inpatient and outpatient observations databases, and to provide overall ED utilization statistics to ensure that all ED patients are accurately accounted for.

DATA RELEASE LEVELS

Six Fiscal Year 2011 data levels have been created to correspond to the levels in **Regulation 114.5 CMR 2.00; "Disclosure of Hospital Case Mix and Charge Data"**.

Higher levels contain an increasing number of the data elements defined as "Deniable Data Elements" in Regulation 114.5 CMR 2.00. The deniable data elements include**: medical record number, billing number, Medicaid Claim Certificate Number (Medicaid Recipient ID number), unique health information (UHIN) number, beginning and ending dates of service, date of birth, date(s) of surgery, and the unique physician number (UPN)**. The six levels include:

LEVEL I	Contains **all** case mix data elements, **except the deniable data elements**
LEVEL II	Contains all **Level I** data elements, plus the **UPN**
LEVEL III	Contains all Level I data elements, plus the **patient UHIN**, the **mother's UHIN**, an **admission sequence number for each UHIN** admission record, and may include the number of days between inpatient stays for each UHIN record.
LEVEL IV	Contains all Level I data elements, plus the **UPN**, the **UHIN**, the **mother's UHIN**, an **admission sequence number for each UHIN admission record**, and may include the number of days between inpatient stays for each UHIN record.
LEVEL V	Contains **all Level IV** data elements, plus the **date of admission**, **date of discharge**, and the **date(s) of surgery**.
LEVEL VI	Contains **all of the deniable data elements** except the patient identifier component of the Medicaid recipient ID number.

PART B. DATA

1. DATA QUALITY STANDARDS

Data Edits:

The Case Mix Requirement Regulation 114.1 CMR 17.00 requires hospitals to submit emergency department data to CHIA 75 days after each quarter. The quarterly data is edited for compliance with regulatory requirements, as specified in the **Outpatient Emergency Department Visit Data Electronic Records Submission Specification**.

The standards employed for rejecting data submissions from hospitals are based upon the presence of **Category A or B errors** as listed for each data element under the following conditions.

All errors are recorded for each patient Record and for the Submission as a whole. An **Edit Report** is provided to the hospital, displaying detail for all errors found in the submission.

A patient *Record* is rejected if there is:

- Presence of one or more errors for Category A elements.
- Presence of two or more errors for Category B elements.

A hospital data *Submission* will be rejected if:

- 1% or more of discharges are rejected; or
- 50 consecutive records are rejected.

Each hospital received a quarterly error report displaying invalid discharge information. Quarterly data that does not meet the one percent compliance standard must be resubmitted by the individual hospital within 30 days, until the standard is met.

- **Please see Supplement I for a Table of Field Names and Error Types, and the Data Elements section for descriptions of fields.**

Verification Report Process:

The Verification Report process is intended to present hospitals with a profile of their individual data as reported and retained by CHIA. The purpose of this process is to function as a quality control measure for hospitals. It allows the hospitals the opportunity to review the data they have provided to CHIA and to affirm its accuracy. The Verification Report itself is a series of frequency reports covering selected data elements. Please refer to Supplement III for a description of the Verification Report contents.

The Verification Report is produced after a hospital has successfully submitted the four quarters of data. The hospital is then asked to review and verify the data contained within the report. Hospitals need to affirm to CHIA that the data reported is accurate or to identify any discrepancies. All hospitals are strongly encouraged to closely review their report for inaccuracies and to make corrections so that subsequent quarters of data will be accurate. Hospitals are then asked to certify the accuracy of their data by completing an Emergency Department Verification Report Response Form.

The Verification Report Response Form allows for two types of responses as follows:

- **"A" Response:** By checking this category, a hospital indicates its agreement that the data appearing on the Verification Report is accurate and that it represents the hospital's case mix profile.

- **"B" Response:** By checking this category, a hospital indicates that the data on the report is accurate except for the discrepancies noted.

If any data discrepancies exist (e.g., a "B" response), CHIA requests that hospitals provide written explanations of the discrepancies, so that they may be included in the General Documentation Manual.

Note: The verification reports are available for review. Please direct requests to the attention of **Public Records** by facsimile to fax #617-727-7662, or by emailing a request to CHIA at **Public.Records@state.ma.us**.

2. GENERAL DEFINITIONS

Before turning to a description of the specific data elements, several basic definitions (as contained in **Regulation 114.1 CMR 17.02**) should be noted.

Emergency Department (ED)

The department of a hospital or a health care facility off the premises of a hospital that is listed on the license of a hospital and qualifies as a Satellite Emergency Facility under 105 CMR 130-820 through 130.836, that provides emergency services as defined in 105 CMR 130.020. Emergency services are further defined in the HURM, Chapter III, s. 3242.

Emergency Department Visit

Any visit by a patient to an emergency department for which the patient is registered at the ED, but which results in neither an outpatient observation stay nor the inpatient admission of the patient at the reporting facility. An ED visit occurs even if the only service provided to a registered patient is triage or screening. An ED visit is further defined in the HURM Chapter III, s. 3242.

3. GENERAL DATA CAVEATS

Information may not be entirely consistent from hospital to hospital due to differences in:

- **Collection and verification of patient supplied information at the time of arrival;**
- **Medical Record coding, consistency, and/or completeness;**
- **Extent of hospital data processing capabilities;**
- **Extent of hospital data processing systems;**
- **Varying degrees of commitment to quality of emergency department data;**
- **Non-comparability of data collection and reporting.**

Emergency Department Data

The emergency department data is derived from information gathered upon arrival, or from information entered by attending physicians, nurses, and other medical personnel into the medical record. The quality of the data is dependent upon hospital data collection policies and coding practices of the medical record staff

4. SPECIFIC DATA ELEMENTS

The purpose of the following section is to provide the user with an explanation of some of the specific data elements included in the ED database, and to give a sense of their reliability.

a) New Data Elements (as of October 1, 2006)

Effective October 1, 2006, the following new data elements were added to Regulation 114.1 CMR 17.00. Additionally, new code values were added for race and patient status. Please note that implementation took place in two phases.

Patient Race

> Previously there was a single field to report patient race. Beginning this year, there are three fields to report race. Race 1, Race 2, and Other Race (a free text field for reporting any additional races). Also, race codes have been updated. Please see the Data Codes section for a listing of updated values. These are consistent with both the federal OMB standards and code set values, and the EOHHS Standards for Massachusetts.

Hispanic Indicator

> A flag to indicate whether the patient is or is not Hispanic/Latino/Spanish.

Ethnicity

> Three fields – separate from patient race -- to report patient ethnicity. Ethnicity 1, Ethnicity 2, and Other Ethnicity (a free text field for reporting additional ethnicities). Please see the Data Codes section for a listing of the 33 ethnicities.

Condition Present on Admission Indicator

> This is a qualifier for each diagnosis code (Primary, Diagnosis I – XIV, and primary E-Code field) indicating onset of diagnosis preceded or followed admission.

Permanent & Temporary US Patient Address

Patient address includes the following fields:
- Patient Street Address
- Patient City/Town
- Patient State
- Permanent Patient Country (ISO-3166)

b) Existing Data Elements

Filing Org DPH Number

> The Massachusetts Department of Public Health's four-digit identification number for the hospital that submits the data. A hospital may submit data for multiple affiliated hospitals or campuses.

Filing Org ID

> An identification number assigned by CHIA to the hospital that submits the data. A hospital may submit data for multiple affiliated hospitals or campuses.

Type of Visit

> This is the patient's type of visit: Emergency, Urgent, Non-Urgent, Newborn, or Unavailable. Please note it is expected that Newborn will not be a frequently used value for Type of Visit in the ED database (in contrast to its frequent use as a Type of Admission in the Inpatient database), since few babies are born in Eds. However, it

would be appropriately reported as a Type of Visit for an ED visit if there were a precipitous birth that actually occurred in the ED, or if the baby was born out of the hospital but it was brought immediately thereafter to the ED for care. Reporting patterns vary widely from hospital to hospital and may not be reliable.

Emergency Severity Index

The Emergency Severity Index (ESI) is a system for triaging patients using an algorithm developed by researchers at Brigham & Women's and Johns Hopkins Hospitals. It employs a five-level scale. It may be reported on Record Type 20 as an alternative to, or in addition to, the Type of Visit (Field 17), which is basically a three-level triage scale. The ESI is described in the following article: Wuerz, R. et al., Reliability and Validity of a New Five-Level Triage Instrument, Academic Emergency Medicine 2000; 7:236-242. Regardless of whether the ESI or the Type of Visit is reported, it should reflect the initial assessment of the patient, and not a subsequent revision of it due to information gathered during the course of the ED visit. Only a small number of hospitals report this data element.

Source of Visit

This is the patient's originating, referring, or transferring source of visit in the ED. It includes Direct Physician Referral, Within Hospital Clinic Referral, Direct Health Plan Referral/HMO Referral, Transfer from an Acute Care Hospital, Transfer from a Skilled Nursing Facility, Transfer from an Intermediate Facility, and Walk-In/Self-Referral. Newborn Source of Visits includes Normal Delivery, Premature Delivery, Sick Baby, and Extramural Birth. Reporting patterns may vary widely from hospital to hospital and may not be reliable.

Secondary Source of Visit

This is the patient's secondary referring, or transferring source of visit in the ED. This is infrequently reported for ED Visits.

Charges

This is the grand total of charges associated with the patient's ED visit. The total charge amount should be rounded to the nearest dollar. A charge of $0 is not permitted unless the patient has a departure status of eloped, left against medical advice, or met personal physician in the ED.

Encrypted Physician Number (UPN)

This is the state license number (Mass. Board of Registration in Medicine license number) for the physician who had primary responsibility for the patient's care in the ED. This may also be the state license number for a dental surgeon, podiatrist, or other (i.e., non-permanent licensed physician) or midwife. This item is provided in encrypted form.

Other Physician Number (UPN)

This is the state license number (Mass. Board of Registration in Medicine license number) for the physician other than the ED physician who provided services related to the patient's visit. This may also be the state license number for a dental surgeon, podiatrist, or other (i.e., non-permanent licensed physician) or midwife. This item is provided in encrypted form.

Other Caregiver Code

This is the code for the other caregiver with significant responsibility for the patient's care. It includes resident, intern, nurse practitioner, or physician's assistant.

Principal Diagnosis

This is the ICD-9-CM code (excluding decimal point) for the patient's principal diagnosis.

Associated Diagnosis Codes 1-5

The ICD-9-CM codes (excluding decimal point) for the patient's first, second, third, fourth, and fifth associated diagnoses, respectively.

Significant Procedure Code 1-4

These are the ICD-9-CM codes (excluding decimal point) or CPT codes for the patient's significant procedures, as reported in FL 80 and FL 81 of the UB-92. More detailed information on the items and services provided during the ED visit is reported under the Service Line Item data.

Associated Significant Procedure Codes 1-3

These are the ICD-9-CM codes (excluding decimal point) or CPT codes for the patient's first, second, and third associated significant procedure, as reported in FL 82 of the UB-92.

Procedure Type Code

This is the coding system (CPT or ICD-9-CM) used to report significant procedures in the patient's record. Only one coding system is allowed per patient visit.

Ambulance Run Sheet Number

The purpose of the Ambulance Run Sheet Number is to permit association of the ED data with data on pre-hospital services that patients may receive. The pre-hospital database is currently being developed by the Department of Public Health. This will not be a required element until the pre-hospital services database is in operation.

Patient Departure Status Code

Patient Departure Status Code is used to report the status of the patient at the time of discharge. Patients who are registered in the ED, but who then leave before they are seen and evaluated by a physician are said to have "eloped". In contrast, patient who have been seen by a physician but who leave against the medical advice of that physician are coded as AMA (Against Medical Advice). Patients who die during their visit to the ED (expired) are distinguished from patient who were "dead on arrival" (DOA), whether or not resuscitation efforts were undertaken. Such distinctions are valuable when doing outcomes studies related to both pre-hospital and ED care.

Patient's Mode of Transport Code

This is the patient's mode of transport to the ED. It includes by Ambulance, by Helicopter, law Enforcement, and Walk-In (including public or private transport).

Discharge Date and Discharge Time

The discharge date and discharge time reflect the actual date and time that the patient was discharged from the ED. Default values, such as 11:59 PM of the day the patient was registered, are unacceptable. Time is reported as military time, and valid values include 0000 through 2359. (Please note that Discharge Time was mandatory beginning 10/1/2002 for FY2003.)

Stated Reason For Visit

The Reason for Visit is the patient's reason for visiting the ED. It is also known as the Chief Complaint. This should be the problem as perceived by the patient, as opposed to the medical diagnosis made by a medical professional. Because of the lack of a commonly used coding system for Reason for Visit, this field is reported in a free text field (up to 150 characters in length). (Please note that Reason for Visit was mandatory beginning 10/1/2002 for FY2003).

Patient Homelessness Indicator

The patient Homelessness Indicator is used to identify patients that are homeless. CHIA recognizes that homeless patients do not always identify themselves as such. Neither does CHIA expect hospitals to specifically ask patients whether they are homeless, if this is not their practice. However, because the homeless are a population of special concern with regard to access to care, health outcomes, etc., it is useful to identify as many of these patients as possible. If a patient reports no home address, provides the address of a known homeless shelter, or otherwise indicates that he or she is homeless, that should be indicated in this field by using a coding value of Y. Otherwise, the hospital should use the value N. (Please note that this field was mandatory beginning 10/1/2002 for FY2003.)

Principal External Cause of Injury Code (E-Code)

The ICD-9-CM code categorizes the event and condition describing the principal external cause of injuries, poisonings and adverse effects.

Payer Codes

A complete listing of the payer types and sources can be found in this manual under the Technical Documentation.

Unique Health Identification Number (UHIN)

The patient's social security number is reported as a nine-digit number, which is then encrypted by CHIA into a Unique Health Information Number (UHIN). Therefore, the social security number is never considered a case mix data element. Only the UHIN is considered a database element and only the encrypted number is used by CHIA. Please note that per Regulation 114.1 CMR 17.00, the number reported for the patient's social security number should be the patient's social security number, not the social security number of some other person, such as the husband or the wife of the patient. Likewise, the social security number for the mother of a newborn should not be reported in this field, as there is a separate field designated for the social security number of the newborn's mother.

Service Line Items

Service Line Items are the CPT or HCPCS Level II codes used to bill for specific items and services provided by the ED during the visit. In addition, the code DRUGS is used to report provision of any drugs for which there are no specific HCPCS codes available. Likewise, SPPLY is used to report any supplies for which there are no specific HCPCS codes available. Since units of service are NOT collected in the database, it is possible that the item or service which a reported service line item code represents was actually provided to the patient more than once during the visit.

ED Treatment Bed

The purpose of this data element is to help measure the normal capacity of Eds. ED Treatment Bed includes only those beds in the ED that are set up and equipped on a permanent basis to treat patients. It does not

include the temporary use of gurneys, stretchers, etc. Including stretchers, etc. would overestimate hospitals' physical capacity to comfortably treat a certain volume of ED patients, although CHIA recognizes that in cases of overcrowding, EDs' may need to employ temporary beds.

ED-Based Observation Bed

ED-based Observation Beds are beds located in a distinct area within or adjacent to the ED, which are intended for use by observation patients. Hospitals should include only beds that are set up and equipped on a permanent basis to treat patients. They should not include temporary use of stretchers, gurneys, etc.

ED Site

Most hospitals submitting ED data provide emergency care at only one location. Therefore, they are considered to have a single campus or site, and need to summarize their data only once. However, others may be submitting data pertaining to care provided at multiple sites. CHIA requires the latter to summarize their data separately for each site covered by the data submitted.

5. CHIA CALCULATED FIELDS

Analysis of the UHIN data by CHIA has turned up problems with some of the reported data for the inpatient and outpatient observation stays databases. For a small number of hospitals, little or no UHIN data exists as these hospitals failed to report patients' social security numbers (SSN). Other hospitals reported the same SSN repeatedly resulting in numerous visits 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 SSN to her infant or assignment of a spouse's SSN to a patient. This demographic analysis shows a probable error rate in the range of 2% - 10%.

In the past, CHIA has found that, on average, 91% of the SSNs submitted are valid when edited for compliance with rules issued by the Social Security Administration. Staff continually monitors the encryption process to ensure that duplicate UHINs are not inappropriately generated, and that recurring SSNs consistently encrypt to the same UHIN.

Only valid SSNs are encrypted to a UHIN. It is valid for hospitals to report that the SSN is unknown. In these cases, the UHIN appears as '000000001'.

Invalid SSNs are assigned 7 or 8 dashes and an error code. The list of error codes is as follows:

- ssn_empty = 1
- ssn_notninechars = 2
- ssn_allcharsequal = 3
- ssn_firstthreecharszero = 4
- ssn_midtwocharszero = 5
- ssn_lastfourcharszero = 6
- ssn_notnumeric = 7
- ssn_rangeinvalid = 8
- ssn_erroroccurred = 9
- ssn_encrypterror = 10

**Based on these findings, CHIA strongly suggests that users perform qualitative checks on the data prior to drawing conclusions about that data.

PART C. HOSPITAL RESPONSES:

This section details hospital responses received as a result of the data verification process. From this section users can also learn which hospitals did not verify their data. This section contains the following lists and charts:

1. Summary of Hospitals' FY2011 Verification Report Responses
2. Individual Hospital Discrepancy Documentation

In the table below, an "A" response indicates the Hospital agrees with the data verification reports provided by CHIA. A "B" response indicates the Hospital has issues remaining to be resolved; Hospital Comments regarding "B" responses are in the Comments column.

ORG ID	HOSPITAL NAME	A	B	NONE	COMMENTS
1	Anna Jaques	X			
2	Athol Memorial Hosp.	X			
5	Baystate Franklin Medical Center		X		Report 2 – Discrepancies found with Visit Types and Emergency Severities. Hospital is presently working to resolve issues surrounding proper reporting of these values.
6	Baystate Mary Lane	X			
4	Baystate Medical Center		X		Report 2 – Discrepancies found with Visit Types and Emergency Severities. Hospital is presently working to resolve issues surrounding proper reporting of these values.
7	Berkshire Health Sys. - Berkshire Campus	X			
10	Beth Israel Deaconess Med. Ctr.	X			
53	Beth Israel Deaconess Needham	X			
16	Boston Medical Center		X		Report 1 – Discrepancies found with All Visits Types by Quarter (variance). Supporting documentation not provided.
22	Brigham & Women's Hosp.	X			
27	Cambridge Health Alliance	X			
39	Cape Cod Hosp.	X			
46	Children's Hosp.	X			
132	Clinton Hosp.	X			

ORG ID	HOSPITAL NAME	A	B	NONE	COMMENTS
50	Cooley Dickinson Hosp.	X			
57	Emerson	X			
8	Fairview Hosp.	X			
40	Falmouth Hosp.	X			
59	Faulkner Hosp.	X			
66	Hallmark Health Sys. - Lawrence Memorial	X			
141	Hallmark Health Sys. - Melrose, Wakefield	X			
68	Harrington Memorial Hosp.	X			
71	HealthAlliance Hosps., Inc		X		Report 3 - Source of Visits – it was determined by the hospital that Urgent was coded incorrectly. It was also noted that the emergency severity field is used on a regular basis. Documentation provided.
73	Heywood Hosp.	X			
77	Holyoke Hosp.	X			
79	Jordan Hosp.	X			
81	Lahey Clinic Burlington Campus	X			
83	Lawrence General Hosp.		X		Discrepancies found on: • Report 003 Source of Visits, • Report 007 Top 10 Significant Proc. By Number of Visits • Report 013B Visits by Race 2. Supporting documentation not provided.
85	Lowell General Hosp.	X			
88	Martha's Vineyard Hosp.	X			
89	Mass Eye & Ear Infirmary	X			
119	Mercy Hosp. - Springfield Campus	X			
11466	Merrimack Valley Hosp.	X			
49	MetroWest Med. Center	X			

ORG ID	HOSPITAL NAME	A	B	NONE	COMMENTS
91	Massachusetts General Hospital	X			
97	Milford Regional Medical Center	X			
98	Milton Hosp.	X			
99	Morton			X	No Response Received
100	Mount Auburn		X		Discrepancies found on Report 20 POA. Supporting documentation not provided.
101	Nantucket Cottage Hosp.	X			
11467	Nashoba Valley Med. Ctr.	X			
105	Newton-Wellesley Hosp.		X		Discrepancies found on Report 017 – Average hours of Services and Charges. Documentation provided.
106	Noble Hosp.	X			
107	North Adams Regional Hosp.	X			
116	North Shore Med. Ctr. / Salem Hosp.& Union		X		Discrepancies found on Report 011 – Top 10 Principal diagnosis by charges. Supporting documentation not provided.
109	Northeast Health Sys - Addison	X			
110	Northeast Health Sys - Beverly	X			
112	Quincy Hosp.	X			
127	Saint Vincent Hosp. @ Worcester Med. Ctr.	X			
115	Saints Memorial Med. Ctr.			X	No Response Received
25	Signature Healthcare Brockton Hosp.	X			
122	South Shore Hosp.	X			
123	Southcoast Health - Charlton Memorial		X		Discrepancies found on Report 002 - Visit Types and Emergency Severities. Supporting documentation not provided.

ORG ID	HOSPITAL NAME	A	B	NONE	COMMENTS
124	Southcoast Health - St. Lukes		X		Discrepancies found on Report 002 - Visit Types and Emergency Severities. Supporting documentation not provided.
145	Southcoast Health - Tobey Campus		X		Discrepancies found on Report 002 - Visit Types and Emergency Severities. Supporting documentation not provided.
42	Steward Carney Hosp.	X			
62	Steward Good Samaritan Med. Ctr.	X			
75	Steward Holy Family Hosp.	X			
41	Steward Norwood Hosp.	X			
114	Steward St. Anne's Hosp.	X			
126	Steward St. Elizabeth's Medical Center	X			
129	Sturdy Memorial Hosp.	X			
104	Tufts-New England Med. Ctr.	X			
139	U Mass / Wing Memorial Hosp.	X			
133	U Mass. / Marlborough Health	X			
131	U Mass. / Memorial Health - U. Mass Campus	X			
138	Winchester Hosp. & Family Med. Ctr.	X			

2. Individual Hospital Discrepancy Documentation

Massachusetts Division of Health Care Finance and Policy

FY 2011 Emergency Department Data Profile Report.

General Instructions

Please review the enclosed FY 2011 Emergency Department Data Profile Report and check either the A or B response.

You may also submit additional written comments to the Division if you desire. Please respond NO LATER than **6/8/2012.**

☐ A. I have reviewed the FY 2011 Emergency Department Data Profile Report and agree that the data as it appears in the reports is the data that was submitted to the Division, and that it accurately represents the hospital's Emergency Department data profile.

☒ B. I have reviewed the FY 2011 Emergency Department Data Profile Report and agree that the data is accurate and complete except for the discrepancies found in the areas below:

☐ 001 - All Visit Types by Quarter ☐ 002 - Visit Types and Emergency Severities

☒ 003 - Source of Visits ☐ 004 - Mode of Transportation

☐ 005 - Top 10 Prin. Diagnoses by Number of Visits ☐ 006 - Top 10 Prin. E-Codes by Number of Visits

☐ 007 - Top 10 Significant Proc. by Number of Visits ☐ 008 - Number of Diagnoses per Visit

☐ 009 - Patient Departure Status ☐ 010 - Top 20 Primary Payers by Number of Visits

☐ 011 - Top 10 Principal Diagnoses by Charges ☐ 012 - Visits by Age Group

☐ 013A - Visits by Race 1 ☐ 013B - Visits by Race 2

☐ 014 - Patient Gender Report ☐ 015 - Top 20 Patient Zip Codes

☐ 016 - Homeless Indicator ☐ 017 - Average Hours of Service and Charges

☐ 018A - Visits by Ethnicity 1 ☐ 018B - Visits by Ethnicity 2

☐ 019 - Hispanic Indicator ☐ 020 - POA

☒ Check here if you are also including further detail (supporting documentation).

Signature _Collth Sergey_

Print Name _Colette Sergey_

Title _Financial Analyst / Informatics_

Telephone Number _978-870-1565_

Fax Number _978 870-1765_

Hospital _HealthAlliance Hospital_

Date _6/7/2012_

Please FAX this form to:

Steve Lazar, Senior Financial/Case-mix Analyst and Provider Liaison

(617) 727-7662

Massachusetts Division of Health Care Finance and Policy

Two Boylston Street

Boston, MA 02116

(617) 988-3143

per HA

Srce Desc	Q1	Q1%	Q2	Q2%	Q3	Q3%	Q4	Q4%	Year	Yr%
0 Information Not Available	1107	13.34%	1048	12.50%	1002	11.88%	1105	12.49%	4262	12.55%
1 Direct Physician Referral	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2 Within Hospital Clinic Referral	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
3 Direct Hlth Pln Ref/HMO Ref	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
4 Transfer from an Acute Hospital	3	0.04%	4	0.05%	6	0.07%	1	0.01%	14	0.04%
5 Transfer from a Skilled Nurs Fac	3	0.04%	10	0.12%	7	0.08%	10	0.11%	30	0.09%
6 Transfer from Intermed Care Fac	0	0.00%	0	0.00%	0	0.09%	0	0.00%	0	0.00%
8 Court/Law Enforcement	22	0.27%	21	0.25%	22	0.26%	25	0.28%	90	0.26%
9 Other (to incl level 4 Nurs Fac)	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
L Outside Hospital Clinic Referral	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
M Walk In/Self Referral	7161	86.31%	7302	87.07%	7398	87.70%	7703	87.10%	29564	87.05%
Z	1	0.01%	1	0.01%	1	0.01%	0	0.00%	3	0.01%
Total	8297		8386		8436		8844		33963	

per State

Srce Desc	Q1	Q1%	Q2	Q2%	Q3	Q3%	Q4	Q4%	Year	Yr%
0 Information Not Available	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
1 Direct Physician Referral	7158	86.30%	7300	87.07%	7398	87.67%	7706	87.10%	29562	87.04%
2 Within Hospital Clinic Referral	1106	13.33%	1048	12.50%	1003	11.89%	1105	12.49%	4262	12.55%
3 Direct Hlth Pln Ref/HMO Ref	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
4 Transfer from an Acute Hospital	4	0.05%	4	0.05%	7	0.08%	1	0.01%	16	0.05%
5 Transfer from a Skilled Nurs Fac	3	0.04%	10	0.12%	7	0.08%	10	0.11%	30	0.09%
6 Transfer from Intermed Care Fac	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
8 Court/Law Enforcement	22	0.27%	21	0.25%	22	25.00%	25	0.28%	90	0.26%
9 Other (to incl level 4 Nurs Fac)	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
L Outside Hospital Clinic Referral	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
M Walk In/Self Referral										
Z	1	0.01%	1	0.01%	1	0.01%	0	0.00%	3	0.01%
Total	8294		8384		8438		8847		33963	

difference

Srce Desc	Q1	Q1%	Q2	Q2%	Q3	Q3%	Q4	Q4%	Year	Yr%
0 Information Not Available	1107	13.34%	1048	12.50%	1002	11.88%	1105	12.49%	4262	12.55%
1 Direct Physician Referral	-7158	-86.30%	-7300	-87.07%	-7398	-87.67%	-7706	-87.10%	-29562	-87.04%
2 Within Hospital Clinic Referral	-1106	-13.33%	-1048	-12.50%	-1003	-11.89%	-1105	-12.49%	-4262	-12.55%
3 Direct Hlth Pln Ref/HMO Ref	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
4 Transfer from an Acute Hospital	-1	-0.01%	0	0.00%	-1	-0.01%	0	0.00%	-2	-0.01%
5 Transfer from a Skilled Nurs Fac	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
6 Transfer from Intermed Care Fac	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
8 Court/Law Enforcement	0	0.00%	0	0.00%	0	-24.74%	0	0.00%	0	0.00%
9 Other (to incl level 4 Nurs Fac)	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
L Outside Hospital Clinic Referral	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
M Walk In/Self Referral	7161	86.31%	7302	87.07%	7398	87.70%	7703	87.10%	29564	87.05%
Z	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Total	3		2		-2		-3		0	

the information reported by the state is in fact what was originally reported by HealthAlliance; however, it is not correct.

the problem was in a mapping table that needed to be updated in the newest version of the software - HA upgraded in mid-July of 2011. Unfortunately it has taken this long to have the software developer correct the issue.

the correct numbers for Visit Source are in the first section of this analysis - labeled "per HA".

feel free to contact me at 978-870-1565 with any questions.

--Colette Sergey

Massachusetts Division of Health Care Finance and Policy

FY 2011 Emergency Department Data Profile Report.

_12111_

General Instructions

2012 JUN -8 P 3: 55

Please review the enclosed FY 2011 Emergency Department Data Profile Report and check either the A or B response.

You may also submit additional written comments to the Division if you desire. Please respond NO LATER than

6/8/2012.

☐ A. I have reviewed the FY 2011 Emergency Department Data Profile Report and agree that the data as it appears in the reports is the data that was submitted to the Division, and that it accurately represents the hospital's Emergenecy Department data profile.

☒ B. I have reviewed the FY 2011 Emergency Department Data Profile Report and agree that the data is accurate and complete except for the discrepancies found in the areas below:

☐ 001 - All Visit Types by Quarter	☐ 002 - Visit Types and Emergency Severities
☐ 003 - Source of Visits	☐ 004 - Mode of Transportation
☐ 005 - Top 10 Prin. Diagnoses by Number of Visits	☐ 006 - Top 10 Prin. E-Codes by Number of Visits
☐ 007 - Top 10 Significant Proc. by Number of Visits	☐ 008 - Number of Diagnoses per Visit
☐ 009 - Patient Departure Status	☐ 010 - Top 20 Primary Payers by Number of Visits
☐ 011 - Top 10 Principal Diagnoses by Charges	☐ 012 - Visits by Age Group
☐ 013A - Visits by Race 1	☐ 013B - Visits by Race 2
☐ 014 - Patient Gender Report	☐ 015 - Top 20 Patient Zip Codes
☐ 016 - Homeless Indicator	☑ 017 - Average Hours of Service and Charges
☐ 018A - Visits by Ethnicity 1	☐ 018B - Visits by Ethnicity 2
☐ 019 - Hispanic Indicator	☐ 020 - POA

☐ Check here if you are also including further detail (supporting documentation).

Signature _____

Print Name _Cortlandt Montross_

Title _Director of Decision Support_

Telephone Number _617 - 243 - 6784_

Fax Number _617 - 243 - 6626_

Hospital _Newton - Wellesley Hospital_

Date _6/8/2012_

Please FAX this form to:

Steve Lazar, Senior Financial/Case-mix Analyst and Provider Liaison

(617) 727-7662

Massachusetts Division of Health Care Finance and Policy

Two Boylston Street

Boston, MA 02116

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Newton-Wellesley Hospital
FY2011 Emergency Department Data Profile Response Form

Report ED001-All Visits by Quarter

Period	Submitted Data	User Validation Data	Variance (#)	Variance (%)
ED Visits				
Q1	14,662	14,643	19	0.1%
Q2	15,114	15,118	(4)	0.0%
Q3	15,431	15,410	21	0.1%
Q4	15,333	15,229	104	0.7%
Total	60,540	60,400	140	0.2%

Total ED Charges				
Q1	$ 36,108,243	$ 23,941,289	$ 12,166,954	33.7%
Q2	$ 35,972,537	$ 25,342,886	$ 10,629,651	29.5%
Q3	$ 36,217,675	$ 24,899,888	$ 11,317,787	31.2%
Q4	$ 36,331,194	$ 24,542,222	$ 11,788,972	32.4%
Total	$ 144,629,649	$ 98,726,285	$ 45,903,364	31.7%

PART D. CAUTIONARY USE HOSPITALS:

Part D lists the hospitals for which CHIA did not receive four (4) quarters of acceptable hospital discharge data, as specified under Regulation 114.1 CMR 17.00.

For 2011, all hospitals were in compliance.

PART E. HOSPITALS SUBMITTING DATA:

Part E lists Hospital discharge and charge totals by quarter for data submissions.

Qtr	OrgName	OrgID	Total Quarter ED Visits	Total Quarter Charges
1	Anna Jaques Hospital	1	6,188	5,882,865
2	Anna Jaques Hospital		6,051	5,529,595
3	Anna Jaques Hospital		6,629	5,948,620
4	Anna Jaques Hospital		7,016	6,338,080
	Totals:		25,884	23,699,160
1	Athol Memorial Hospital	2	2,360	5,125,872
2	Athol Memorial Hospital	2	2,304	5,337,651
3	Athol Memorial Hospital	2	2,614	5,675,542
4	Athol Memorial Hospital	2	2,585	5,526,954
	Totals:	2	9,863	21,666,019
1	Baystate Franklin Medical Center	5	5,896	8,436,159
2	Baystate Franklin Medical Center	5	5,946	8,629,911
3	Baystate Franklin Medical Center	5	6,297	8,739,173
4	Baystate Franklin Medical Center	5	6,344	9,255,532
	Totals:	5	24,483	35,060,775
1	Baystate Mary Lane Hospital	6	3,178	3,812,765
2	Baystate Mary Lane Hospital	6	3,212	3,903,482
3	Baystate Mary Lane Hospital	6	3,578	4,219,914
4	Baystate Mary Lane Hospital	6	3,611	4,476,355
	Totals:	6	13,579	16,412,516
1	Baystate Medical Center	4	20,136	26,000,208
2	Baystate Medical Center	4	21,516	25,965,309
3	Baystate Medical Center	4	20,843	26,902,500
4	Baystate Medical Center	4	21,182	28,084,763
	Totals:	4	83,677	106,952,780
1	Berkshire Medical Center - Berkshire Campus	7	10,383	18,308,695
2	Berkshire Medical Center - Berkshire Campus	7	10,710	20,150,661

Qtr	OrgName	OrgID	Total Quarter ED Visits	Total Quarter Charges
3	Berkshire Medical Center - Berkshire Campus	7	11,527	20,884,083
4	Berkshire Medical Center - Berkshire Campus	7	12,106	20,770,496
	Totals:	7	44,726	80,113,935
1	Beth Israel Deaconess Hospital - Needham	53	2,679	4,091,355
2	Beth Israel Deaconess Hospital - Needham	53	2,723	4,220,183
3	Beth Israel Deaconess Hospital - Needham	53	2,975	4,451,187
4	Beth Israel Deaconess Hospital - Needham	53	2,948	4,603,787
	Totals:	53	11,325	17,366,512
1	Beth Israel Deaconess Medical Center - East Campus	10	7,279	17,856,889
2	Beth Israel Deaconess Medical Center - East Campus	10	6,975	14,664,889
3	Beth Israel Deaconess Medical Center - East Campus	10	7,435	15,527,480
4	Beth Israel Deaconess Medical Center - East Campus	10	7,517	16,048,160
	Totals:	10	29,206	64,097,418
1	Boston Medical Center - Menino Pavilion Campus	16	24,280	29,877,570
2	Boston Medical Center - Menino Pavilion Campus	16	24,836	29,533,288
3	Boston Medical Center - Menino Pavilion Campus	16	25,388	30,138,196
4	Boston Medical Center - Menino Pavilion Campus	16	24,797	29,832,687
	Totals:	16	99,301	119,381,741
1	Brigham and Women's Hospital	22	8,576	20,034,121
2	Brigham and Women's Hospital	22	8,512	19,623,982
3	Brigham and Women's Hospital	22	9,092	21,420,497
4	Brigham and Women's Hospital	22	9,650	22,418,589
	Totals:	22	35,830	83,497,189
1	Cambridge Health Alliance - Cambridge Hospital Campus	27	20,695	30,725,719
2	Cambridge Health Alliance - Cambridge Hospital Campus	27	21,665	30,545,260
3	Cambridge Health Alliance - Cambridge Hospital Campus	27	22,099	30,896,416
4	Cambridge Health Alliance - Cambridge Hospital Campus	27	21,898	31,691,856
	Totals:	27	86,357	123,859,251
1	Cape Cod Hospital	39	16,809	24,474,629

Qtr	OrgName	OrgID	Total Quarter ED Visits	Total Quarter Charges
2	Cape Cod Hospital	39	16,506	24,106,454
3	Cape Cod Hospital	39	18,617	27,306,374
4	Cape Cod Hospital	39	22,708	33,789,468
	Totals:	39	74,640	109,676,925
1	Children's Hospital Boston	46	11,580	11,572,834
2	Children's Hospital Boston	46	12,302	11,107,857
3	Children's Hospital Boston	46	11,836	11,225,536
4	Children's Hospital Boston	46	10,634	10,364,118
	Totals:	46	46,352	44,270,345
1	Clinton Hospital	132	2,890	6,763,535
2	Clinton Hospital	132	2,979	6,454,093
3	Clinton Hospital	132	3,155	6,587,983
4	Clinton Hospital	132	3,137	6,689,407
	Totals:	132	12,161	26,495,018
1	Cooley Dickinson Hospital	50	7,019	8,393,632
2	Cooley Dickinson Hospital	50	6,962	8,530,025
3	Cooley Dickinson Hospital	50	7,234	8,817,445
4	Cooley Dickinson Hospital	50	7,547	9,156,261
	Totals:	50	28,762	34,897,363
1	Emerson Hospital	57	6,557	9,626,707
2	Emerson Hospital	57	6,467	9,220,271
3	Emerson Hospital	57	7,055	9,352,762
4	Emerson Hospital	57	6,951	8,981,917
	Totals:	57	27,030	37,181,657
1	Fairview Hospital	8	2,624	3,741,981
2	Fairview Hospital	8	2,611	4,468,581
3	Fairview Hospital	8	3,003	4,888,320
4	Fairview Hospital	8	3,369	5,672,853
	Totals:	8	11,607	18,771,735

Qtr	OrgName	OrgID	Total Quarter ED Visits	Total Quarter Charges
1	Falmouth Hospital	40	6,869	10,634,192
2	Falmouth Hospital	40	7,048	12,117,589
3	Falmouth Hospital	40	7,649	13,600,069
4	Falmouth Hospital	40	8,998	15,776,744
	Totals:	40	30,564	52,128,594
1	Faulkner Hospital	59	4,579	9,996,005
2	Faulkner Hospital	59	4,498	9,860,878
3	Faulkner Hospital	59	4,853	9,900,604
4	Faulkner Hospital	59	4,982	10,169,555
	Totals:	59	18,912	39,927,042
1	Hallmark Health - Lawrence Memorial Hospital Campus	66	3,784	4,589,337
2	Hallmark Health - Lawrence Memorial Hospital Campus	66	3,787	4,617,542
3	Hallmark Health - Lawrence Memorial Hospital Campus	66	3,950	4,801,025
4	Hallmark Health - Lawrence Memorial Hospital Campus	66	3,988	4,929,665
	Totals:	66	15,509	18,937,569
1	Hallmark Health - Melrose-Wakefield Hospital Campus	141	7,866	9,778,671
2	Hallmark Health - Melrose-Wakefield Hospital Campus	141	8,003	9,878,740
3	Hallmark Health - Melrose-Wakefield Hospital Campus	141	8,567	10,999,591
4	Hallmark Health - Melrose-Wakefield Hospital Campus	141	9,011	11,272,190
	Totals:	141	33,447	41,929,192
1	Harrington Memorial Hospital	68	7,554	11,424,756
2	Harrington Memorial Hospital	68	7,534	11,172,454
3	Harrington Memorial Hospital	68	8,177	12,319,474
4	Harrington Memorial Hospital	68	8,398	12,496,500
	Totals:	68	31,663	47,413,184
1	Health Alliance Hospital	71	8,294	15,301,653
2	Health Alliance Hospital	71	8,384	15,124,452
3	Health Alliance Hospital	71	8,438	15,766,285
4	Health Alliance Hospital	71	8,847	16,987,143

Qtr	OrgName	OrgID	Total Quarter ED Visits	Total Quarter Charges
	Totals:	71	33,963	63,179,533
1	Heywood Hospital	73	4,418	7,033,867
2	Heywood Hospital	73	4,573	7,393,529
3	Heywood Hospital	73	4,788	8,312,685
4	Heywood Hospital	73	4,782	8,823,105
	Totals:	73	18,561	31,563,186
1	Holyoke Medical Center	77	8,779	9,899,576
2	Holyoke Medical Center	77	9,109	10,138,230
3	Holyoke Medical Center	77	9,590	10,741,106
4	Holyoke Medical Center	77	10,128	11,329,640
	Totals:	77	37,606	42,108,552
1	Jordan Hospital	79	9,954	14,651,711
2	Jordan Hospital	79	9,689	13,264,444
3	Jordan Hospital	79	10,543	13,724,001
4	Jordan Hospital	79	10,935	14,797,825
	Totals:	79	41,121	56,437,981
1	Lahey Clinic - Burlington Campus	81	9,160	12,467,316
2	Lahey Clinic - Burlington Campus	81	8,645	11,648,167
3	Lahey Clinic - Burlington Campus	81	9,961	13,127,726
4	Lahey Clinic - Burlington Campus	81	10,087	13,628,885
	Totals:	81	37,853	50,872,094
1	Lawrence General Hospital	83	15,321	20,501,342
2	Lawrence General Hospital	83	15,549	19,965,796
3	Lawrence General Hospital	83	15,591	20,964,158
4	Lawrence General Hospital	83	15,358	21,002,147
	Totals:	83	61,819	82,433,443
1	Lowell General Hospital	85	10,002	13,618,559
2	Lowell General Hospital	85	10,295	13,813,257
3	Lowell General Hospital	85	10,514	13,350,113

Qtr	OrgName	OrgID	Total Quarter ED Visits	Total Quarter Charges
4	Lowell General Hospital	85	10,749	13,853,763
	Totals:	85	41,560	54,635,692
1	Marlborough Hospital	133	5,628	12,528,310
2	Marlborough Hospital	133	5,416	12,115,228
3	Marlborough Hospital	133	5,803	12,342,806
4	Marlborough Hospital	133	5,874	12,623,185
	Totals:	133	22,721	49,609,529
1	Martha's Vineyard Hospital	88	2,479	5,760,949
2	Martha's Vineyard Hospital	88	2,647	6,184,647
3	Martha's Vineyard Hospital	88	3,391	7,345,582
4	Martha's Vineyard Hospital	88	5,521	11,745,133
	Totals:	88	14,038	31,036,311
1	Massachusetts Eye and Ear Infirmary	89	4,109	2,394,520
2	Massachusetts Eye and Ear Infirmary	89	3,710	2,193,599
3	Massachusetts Eye and Ear Infirmary	89	4,385	2,568,318
4	Massachusetts Eye and Ear Infirmary	89	4,479	2,660,086
	Totals:	89	16,683	9,816,523
1	Massachusetts General Hospital	91	15,339	50,869,400
2	Massachusetts General Hospital	91	15,552	51,481,681
3	Massachusetts General Hospital	91	16,150	52,545,205
4	Massachusetts General Hospital	91	16,882	54,774,945
	Totals:	91	63,923	209,671,231
1	Mercy Medical Center - Springfield Campus	119	15,664	17,070,585
2	Mercy Medical Center - Springfield Campus	119	15,517	15,782,894
3	Mercy Medical Center - Springfield Campus	119	15,392	16,357,026
4	Mercy Medical Center - Springfield Campus	119	16,310	18,266,211
	Totals:	119	62,883	67,476,716
1	Merrimack Valley Hospital	70	4,874	5,516,486
2	Merrimack Valley Hospital	70	4,912	5,421,091

Qtr	OrgName	OrgID	Total Quarter ED Visits	Total Quarter Charges
3	Merrimack Valley Hospital	70	1,650	1,823,211
	Totals:	70	11,436	12,760,788
3	Merrimack Valley Hospital, A Steward Family Hospital, Inc.	11466	3,514	3,885,546
4	Merrimack Valley Hospital, A Steward Family Hospital, Inc.	11466	5,337	5,890,597
	Totals:	11466	8,851	9,776,143
1	MetroWest Medical Center - Framingham Campus	49	12,470	18,362,908
2	MetroWest Medical Center - Framingham Campus	49	12,758	18,963,881
3	MetroWest Medical Center - Framingham Campus	49	13,217	18,845,450
4	MetroWest Medical Center - Framingham Campus	49	13,707	19,799,392
	Totals:	49	52,152	75,971,631
1	Milford Regional Medical Center	97	10,781	14,518,865
2	Milford Regional Medical Center	97	10,731	14,586,514
3	Milford Regional Medical Center	97	11,741	15,512,091
4	Milford Regional Medical Center	97	11,784	16,309,664
	Totals:	97	45,037	60,927,134
1	Milton Hospital	98	4,566	6,974,526
2	Milton Hospital	98	4,781	7,445,274
3	Milton Hospital	98	4,896	7,421,073
4	Milton Hospital	98	5,043	8,198,674
	Totals:	98	19,286	30,039,547
1	Morton Hospital, A Steward Family Hospital, Inc.	99	10,635	11,529,043
2	Morton Hospital, A Steward Family Hospital, Inc.	99	10,409	11,191,645
3	Morton Hospital, A Steward Family Hospital, Inc.	99	11,606	12,236,523
4	Morton Hospital, A Steward Family Hospital, Inc.	99	11,955	12,631,549
	Totals:	99	44,605	47,588,760
1	Mount Auburn Hospital	100	6,460	11,033,957
2	Mount Auburn Hospital	100	6,303	10,520,304
3	Mount Auburn Hospital	100	6,605	10,657,954
4	Mount Auburn Hospital	100	6,963	10,997,822

Qtr	OrgName	OrgID	Total Quarter ED Visits	Total Quarter Charges
	Totals:	100	26,331	43,210,037
1	Nantucket Cottage Hospital	101	1,629	2,995,535
2	Nantucket Cottage Hospital	101	1,502	2,268,062
3	Nantucket Cottage Hospital	101	2,111	3,166,483
4	Nantucket Cottage Hospital	101	4,118	5,606,756
	Totals:	101	9,360	14,036,836
1	Nashoba Valley Medical Center	52	3,071	5,428,843
2	Nashoba Valley Medical Center	52	3,166	5,879,419
3	Nashoba Valley Medical Center	52	1,069	1,888,034
	Totals:	52	7,306	13,196,296
3	Nashoba Valley Medical Center, A Steward Family Hospital, Inc.	11467	2,348	4,047,519
4	Nashoba Valley Medical Center, A Steward Family Hospital, Inc.	11467	3,476	5,621,280
	Totals:	11467	5,824	9,668,799
1	Newton-Wellesley Hospital	105	14,662	36,108,243
2	Newton-Wellesley Hospital	105	15,114	35,972,537
3	Newton-Wellesley Hospital	105	15,431	36,217,675
4	Newton-Wellesley Hospital	105	15,333	36,331,194
	Totals:	105	60,540	144,629,649
1	Noble Hospital	106	5,816	6,715,253
2	Noble Hospital	106	5,954	7,071,847
3	Noble Hospital	106	6,565	7,401,858
4	Noble Hospital	106	6,903	8,078,612
	Totals:	106	25,238	29,267,570
1	North Adams Regional Hospital	107	4,325	5,686,795
2	North Adams Regional Hospital	107	4,293	5,671,321
3	North Adams Regional Hospital	107	4,472	5,551,585
4	North Adams Regional Hospital	107	4,357	5,669,620
	Totals:	107	17,447	22,579,321
1	North Shore Medical Center - Salem Campus	116	17,751	40,587,658

Qtr	OrgName	OrgID	Total Quarter ED Visits	Total Quarter Charges
2	North Shore Medical Center - Salem Campus	116	18,441	40,374,744
3	North Shore Medical Center - Salem Campus	116	19,010	40,980,671
4	North Shore Medical Center - Salem Campus	116	18,935	41,166,387
	Totals:	116	74,137	163,109,460
1	Northeast Hospital - Addison Gilbert Campus	109	2,630	3,693,683
2	Northeast Hospital - Addison Gilbert Campus	109	2,798	3,853,486
3	Northeast Hospital - Addison Gilbert Campus	109	3,007	4,360,595
4	Northeast Hospital - Addison Gilbert Campus	109	3,522	5,050,089
	Totals:	109	11,957	16,957,853
1	Northeast Hospital - Beverly Campus	110	8,784	12,801,496
2	Northeast Hospital - Beverly Campus	110	9,027	12,871,991
3	Northeast Hospital - Beverly Campus	110	9,473	13,348,375
4	Northeast Hospital - Beverly Campus	110	9,767	14,330,163
	Totals:	110	37,051	53,352,025
1	Quincy Medical Center, A Steward Family Hospital, Inc.	112	7,509	8,035,101
2	Quincy Medical Center, A Steward Family Hospital, Inc.	112	7,629	8,524,332
3	Quincy Medical Center, A Steward Family Hospital, Inc.	112	8,057	8,610,233
4	Quincy Medical Center, A Steward Family Hospital, Inc.	112	8,136	8,660,064
	Totals:	112	31,331	33,829,730
1	Saint Vincent Hospital	127	11,564	15,329,244
2	Saint Vincent Hospital	127	11,286	14,990,122
3	Saint Vincent Hospital	127	11,961	15,611,691
4	Saint Vincent Hospital	127	12,283	16,315,871
	Totals:	127	47,094	62,246,928
1	Saints Medical Center	115	8,787	8,515,856
2	Saints Medical Center	115	8,660	8,372,822
3	Saints Medical Center	115	9,131	8,295,213
4	Saints Medical Center	115	9,387	8,578,899
	Totals:	115	35,965	33,762,790

Qtr	OrgName	OrgID	Total Quarter ED Visits	Total Quarter Charges
1	Signature Healthcare Brockton Hospital	25	10,705	19,426,193
2	Signature Healthcare Brockton Hospital	25	11,076	19,859,451
3	Signature Healthcare Brockton Hospital	25	12,080	21,156,393
4	Signature Healthcare Brockton Hospital	25	11,867	21,264,193
	Totals:	25	45,728	81,706,230
1	South Shore Hospital	122	14,824	28,655,263
2	South Shore Hospital	122	14,559	28,223,607
3	South Shore Hospital	122	15,407	29,477,871
4	South Shore Hospital	122	15,569	30,125,686
	Totals:	122	60,359	116,482,427
1	Southcoast Hospitals Group - Charlton Memorial Campus	123	13,274	15,583,854
2	Southcoast Hospitals Group - Charlton Memorial Campus	123	13,162	15,097,605
3	Southcoast Hospitals Group - Charlton Memorial Campus	123	13,813	15,682,422
4	Southcoast Hospitals Group - Charlton Memorial Campus	123	14,341	16,660,402
	Totals:	123	54,590	63,024,283
1	Southcoast Hospitals Group - St. Luke's Campus	124	15,638	22,429,853
2	Southcoast Hospitals Group - St. Luke's Campus	124	15,325	20,988,716
3	Southcoast Hospitals Group - St. Luke's Campus	124	16,121	22,190,565
4	Southcoast Hospitals Group - St. Luke's Campus	124	17,393	24,342,902
	Totals:	124	64,477	89,952,036
1	Southcoast Hospitals Group - Tobey Hospital Campus	145	6,413	7,986,025
2	Southcoast Hospitals Group - Tobey Hospital Campus	145	6,153	7,628,507
3	Southcoast Hospitals Group - Tobey Hospital Campus	145	7,089	8,494,785
4	Southcoast Hospitals Group - Tobey Hospital Campus	145	7,801	9,657,938
	Totals:	145	27,456	33,767,255
1	Steward Carney Hospital, Inc.	42	5,839	6,456,374
2	Steward Carney Hospital, Inc.	42	5,992	6,782,776
3	Steward Carney Hospital, Inc.	42	6,321	7,233,658
4	Steward Carney Hospital, Inc.	42	6,296	6,725,441

Qtr	OrgName	OrgID	Total Quarter ED Visits	Total Quarter Charges
	Totals:	42	24,448	27,198,249
1	Steward Good Samaritan Medical Center - Brockton Campus	62	9,993	11,067,989
2	Steward Good Samaritan Medical Center - Brockton Campus	62	9,731	10,718,379
3	Steward Good Samaritan Medical Center - Brockton Campus	62	10,293	10,587,024
4	Steward Good Samaritan Medical Center - Brockton Campus	62	10,296	10,375,095
	Totals:	62	40,313	42,748,487
1	Steward Holy Family Hospital, Inc.	75	8,035	9,555,614
2	Steward Holy Family Hospital, Inc.	75	8,107	9,218,562
3	Steward Holy Family Hospital, Inc.	75	8,595	9,687,300
4	Steward Holy Family Hospital, Inc.	75	8,625	9,961,717
	Totals:	75	33,362	38,423,193
1	Steward Norwood Hospital, Inc.	41	8,668	13,209,075
2	Steward Norwood Hospital, Inc.	41	8,510	13,512,545
3	Steward Norwood Hospital, Inc.	41	9,223	14,144,119
4	Steward Norwood Hospital, Inc.	41	9,034	14,098,525
	Totals:	41	35,435	54,964,264
1	Steward Saint Anne's Hospital, Inc.	114	8,075	11,910,037
2	Steward Saint Anne's Hospital, Inc.	114	8,120	11,871,072
3	Steward Saint Anne's Hospital, Inc.	114	8,599	12,382,138
4	Steward Saint Anne's Hospital, Inc.	114	8,434	12,657,313
	Totals:	114	33,228	48,820,560
1	Steward St. Elizabeth's Medical Center	126	6,123	6,911,645
2	Steward St. Elizabeth's Medical Center	126	6,159	6,732,862
3	Steward St. Elizabeth's Medical Center	126	6,642	6,998,866
4	Steward St. Elizabeth's Medical Center	126	6,691	7,182,022
	Totals:	126	25,615	27,825,395
1	Sturdy Memorial Hospital	129	9,983	13,303,232
2	Sturdy Memorial Hospital	129	9,523	12,982,977
3	Sturdy Memorial Hospital	129	10,230	13,367,664

Qtr	OrgName	OrgID	Total Quarter ED Visits	Total Quarter Charges
4	Sturdy Memorial Hospital	129	10,686	14,262,829
	Totals:	129	40,422	53,916,702
1	Tufts Medical Center	104	7,808	13,814,394
2	Tufts Medical Center	104	7,950	15,236,613
3	Tufts Medical Center	104	8,056	15,622,236
4	Tufts Medical Center	104	8,507	15,593,450
	Totals:	104	32,321	60,266,693
1	UMass Memorial Medical Center - University Campus	131	24,866	61,470,163
2	UMass Memorial Medical Center - University Campus	131	25,405	63,442,736
3	UMass Memorial Medical Center - University Campus	131	26,449	65,505,367
4	UMass Memorial Medical Center - University Campus	131	26,807	66,862,791
	Totals:	131	103,527	257,281,057
1	Winchester Hospital	138	9,561	11,085,415
2	Winchester Hospital	138	9,628	10,882,294
3	Winchester Hospital	138	10,018	11,202,849
4	Winchester Hospital	138	9,763	11,474,376
	Totals:	138	38,970	44,644,934
1	Wing Memorial Hospital and Medical Centers	139	4,702	6,388,037
2	Wing Memorial Hospital and Medical Centers	139	4,669	6,359,015
3	Wing Memorial Hospital and Medical Centers	139	5,173	6,761,969
4	Wing Memorial Hospital and Medical Centers	139	5,634	7,295,133
	Totals:	139	20,178	26,804,154
	GRAND TOTALS		**2,498,986**	**3,857,313,927**

PART F. SUPPLEMENTARY INFORMATION

SUPPLEMENT I. LIST OF TYPE "A" AND TYPE "B" ERRORS

Type 'A' Errors:

- **Record Type**
- **CHIA Organization ID for provider**
- **DPH Number for Provider**
- **Provider Name Period Starting Date Period Ending Date Processing Date**
- **Hospital Service Site Reference**
- **Social Security Number Medical Record Number Billing Number**
- **Medicaid Claim Certificate Number**
- **Patient Birth Date Patient Sex Registration Date Registration Time**
- **Discharge Date (effective 10/1/02)**
- **Departure Status**
- **Primary Source of Payment Secondary Source of Payment Charges**
- **Principal Diagnosis Code**
- **Associate Diagnosis Code (I-V) Principal Procedure Code Associate Significant Procedure I Associate Significant Procedure II**
- **Associate Significant Procedure III Principal E-Code**
- **Procedure Code Type**
- **Transport**
- **Ambulance Run Sheet Number (delayed indefinitely) Medical Record Number**
- **Stated Reason for Visit (effective 10/1/02) End of Line Items Indicator**
- **Number of ED Treatment Beds at Site**
- **Number of ED-based Observation Beds at Site**
- **Total Number of ED-based Beds at Site**
- **ED Visits – Admitted to Inpatient at Site**
- **ED Visits – Admitted to Outpatient Observation at Site**
- **ED Visits – All Other Outpatient ED Visits at Site**
- **ED Visits – Total Registered at Site**
- **End of Record Indicator**
- **Number of Outpatient ED Visits**
- **Total Charges for Batch**

TYPE 'B' ERRORS:

- **Mother's Social Security Number**
- **Patient Race**
- **Patient Zip Code**
- **Discharge Time (effective 10/1/02) Type of Visit**
- **Source of Visit**
- **Secondary Source of Visit Other Physician Number ED Physician Number Other Caregiver Code Emergency Severity Index**
- **Homeless Indicator (effective 10/1/02)**
- **Service Line Item**
- **Race 1, 2 & Other Race**
- **Hispanic Indicator**
- **Ethnicity 1, 2 & Other Ethnicity**
- **Condition Present on Admission Primary Diagnosis, Associate Diagnoses I – XIV, & Primary E-Code**
- **Significant Procedure Date**
- **Operating Physician for Significant Procedure**
- **Permanent Patient Street Address, City/Town, State, Zip Code**
- **Patient Country**
- **Temporary Patient Street Address, City/Town, State, Zip Code**

HOSPITAL VERIFICATION REPORT FIELDS

The Hospital Verification Report includes the following frequency distribution tables:

- **Visits by Quarter**
- **Visit Types and Emergency Severities**
- **Source of Visits**
- **Mode of Transport**
- **Top 10 Principal Diagnosis by Number of Visits**
- **Tope 10 Principal E-Codes by Number of Visits**
- **Top 10 Significant Procedures by Number of Visits**
- **Number of Diagnosis per Visit**
- **Patient Departure Status**
- **Top 20 Primary Payers by Number of Visits**
- **Top 10 Principal Diagnosis by Charges**
- **Visits by Age**
- **Visits by Race 1&2**
- **Visits by Gender**
- **Top 20 Patient ZIP Codes**
- **Homeless Indicator**
- **Average Hours of Service and Charges**

SUPPLEMENT II. HOSPITAL ADDRESSES, ORG ID, AND SERVICE SITE ID NUMBERS

Current Organization Name	Hospital Address	ID ORG HOSP	ID ORG FILER	SITE NO.*
Anna Jaques Hospital	25 Highland Ave Newburyport, MA 01950	1	1	1
Athol Memorial Hospital	2033 Main Street Athol, MA 01331	2	2	2
Baystate Franklin Medical Center	164 High Street Greenfield, MA 01301	5	5	
Baystate Mary Lane Hospital	85 South Street Ware, MA 01082	6	6	
Baystate Medical Center	759 Chestnut St Springfield, MA 01199	4	4	4
Berkshire Medical Center – Berkshire Campus	725 North Street Pittsfield, MA., 01201	6309	7	7
Berkshire Medical Center – Hillshire Campus **NO ED**	*165 Tor Court* *Pittsfield, MA 01201*	*6309*	*7*	*9*
Beth Israel Deaconess Hospital – Needham	148 Chestnut Street Needham, MA 02192	53	53	53
Beth Israel Deaconess Medical Center - East Campus	330 Brookline Avenue Boston, MA 02215	8702	10	10
Boston Children's Hospital	300 Longwood Avenue Boston, MA 02115	46	46	
Boston Medical Center – Menino Pavilion	One Boston Medical Center Place Boston, MA 02118	3107	16	16
Boston Medical Center - Newton Pavilion Campus	One Boston Medical Center Place Boston, MA 02118	3107	16	144
Brigham and Women's Faulkner Hospital	1153 Centre Street Jamaica Plain, MA 02130	22	59	59
Brigham and Women's Hospital	75 Francis St Boston, MA 02115	22	22	22
Cambridge Health Alliance – Cambridge Hospital Campus	1493 Cambridge Street Cambridge, MA 02139	3108	27	27
Cambridge Health Alliance – Somerville Campus	230 Highland Avenue Somerville, MA	3108	27	143
Cambridge Health Alliance – Whidden Hospital Campus	103 Garland Street Everett, MA 02149	3108	27	142

SUPPLEMENT II. HOSPITAL ADDRESSES, ORG ID, AND SERVICE SITE ID NUMBERS

Current Organization Name	Hospital Address	ID ORG HOSP	ID ORG FILER	SITE NO.*
Cape Cod Hospital	27 Park Street Hyannis, MA 02601	39	39	
Clinton Hospital	201 Highland Street Clinton, MA 01510	132	132	
Cooley Dickinson Hospital	30 Locust Street Northampton, MA 01061-5001	50	50	
Dana-Farber Cancer Institute **NO ED**	*44 Binney Street* *Boston, MA 02115*	*51*	*51*	
Emerson Hospital	133 Old Road to Nine Acre Corner Concord, MA 01742	57	57	
Fairview Hospital	29 Lewis Avenue Great Barrington, MA 01230	8	8	
Falmouth Hospital	100 Ter Heun Drive Falmouth, MA 02540	40	40	
Faulkner Hospital	see Brigham & Women's Faulkner Hospital			
Hallmark Health System – Lawrence Memorial Hospital Campus	170 Governors Avenue Medford, MA 02155	3111	66	
Hallmark Health System - Melrose-Wakefield Hospital Campus	585 Lebanon Street Melrose, MA 02176	3111	141	
Harrington Memorial Hospital	100 South Street Southbridge, MA 01550	68	68	
Health Alliance Hospitals, Inc.	60 Hospital Road Leominster, MA 01453-8004	71	71	
Heywood Hospital	242 Green Street Gardner, MA 01440	73	73	
Holyoke Medical Center	575 Beech Street Holyoke, MA 01040	77	77	
Jordan Hospital	275 Sandwich Street Plymouth, MA 02360	79	79	
Lahey Clinic - Burlington Campus	41 Mall Road Burlington, MA 01805	6546	81	81
Lahey Clinic - North Shore	One Essex Center Drive Peabody, MA 01960			4448

SUPPLEMENT II. HOSPITAL ADDRESSES, ORG ID, AND SERVICE SITE ID NUMBERS

Current Organization Name	Hospital Address	ID ORG HOSP	ID ORG FILER	SITE NO.*
Lawrence General Hospital	One General Street Lawrence, MA 01842-0389	83	83	
Lowell General Hospital	295 Varnum Avenue Lowell, MA 01854	85	85	
Marlborough Hospital	57 Union Street Marlborough, MA 01752-9981	133	133	
Martha's Vineyard Hospital	One Hospital Road Oak Bluffs, MA 02557	88	88	
Massachusetts Eye and Ear Infirmary	243 Charles Street Boston, MA 02114-3096	89	89	
Massachusetts General Hospital	55 Fruit Street Boston, MA 02114	91	91	
Mercy Medical Center - Providence Campus NO ED	*1233 Main St* *Holyoke, MA 01040*	*6547*	*118*	*118*
Mercy Medical Center - Springfield Campus	271 Carew Street Springfield, MA 01102	6547	119	
Merrimack Valley Hospital Merrimack Valley Hospital, A Steward Family Hospital (*11466 New Org ID as of 5/1/2011)	140 Lincoln Avenue Haverhill, MA 01830-6798	70 11466*	70 11466	
MetroWest Medical Center – Framingham Campus	115 Lincoln Street Framingham, MA 01702	3110	49	49
MetroWest Medical Center – Leonard Morse Campus	67 Union Street Natick, MA 01760	3110	49	457
Milford Regional Medical Center	14 Prospect Street Milford, MA 01757	97	97	
Milton Hospital (NOTE: 1/1/12 merger – name changes to Beth Israel Deaconess Hospital-Milton)	199 Reedsdale Rd Milton, MA 02186	98	98	
Morton Hospital, A Steward Family Hospital, Inc.	88 Washington St Taunton, MA 02780	99	99	

SUPPLEMENT II. HOSPITAL ADDRESSES, ORG ID, AND SERVICE SITE ID NUMBERS

Current Organization Name	Hospital Address	ID ORG HOSP	ID ORG FILER	SITE NO.*
Mount Auburn Hospital	330 Mt. Auburn St. Cambridge, MA 02138	100	100	
Nantucket Cottage Hospital	57 Prospect St Nantucket, MA 02554	101	101	
Nashoba Valley Medical Center	200 Groton Road Ayer, MA 01432	52	52	52
Nashoba Valley Medical Center, A Steward Family Hospital, Inc *(11467 new org id as of 5/1/2011)		11467*	11467	
New England Baptist Hospital **NO ED**	*125 Parker Hill Avenue* *Boston, MA 02120*	*103*	*103*	
Newton Wellesley Hospital	2014 Washington St Newton, MA 02462	105	105	
Noble Hospital	115 West Silver Street Westfield, MA 01086	106	106	
North Adams Regional Hospital	71 Hospital Avenue North Adams, MA 02147	107	107	
North Shore Medical Center, Inc. – Salem Campus	81 Highland Avenue Salem, MA 01970	345	116	116
North Shore Medical Center, Inc. – Union Campus	500 Lynnfield Street Lynn, MA 01904	345	116	3
Northeast Hospital - Addison Gilbert Campus	298 Washington St Gloucester, MA 01930	3112	109	
Northeast Hospital – Beverly Campus	85 Herrick Street Beverly, MA 01915	3112	110	
Quincy Medical Center, A Steward Family Hospital, Inc.	114 Whitwell Street Quincy, MA 02169	112	112	
Saint Vincent Hospital	123 Summer St Worcester, MA 01608	127	127	
Saints Memorial Medical Center	One Hospital Drive Lowell, MA 01852	115	115	
Signature Healthcare Brockton Hospital	680 Centre Street Brockton, MA 02302	25	25	

SUPPLEMENT II. HOSPITAL ADDRESSES, ORG ID, AND SERVICE SITE ID NUMBERS

Current Organization Name	Hospital Address	ID ORG HOSP	ID ORG FILER	SITE NO.*
South Shore Hospital	55 Fogg Road South Weymouth, MA 02190	122	122	
Southcoast Hospitals Group – Charlton Memorial Campus	363 Highland Avenue Fall River, MA 02720	3113	123	
Southcoast Hospitals Group - St. Luke's Campus	101 Page Street New Bedford, MA 02740	3113	124	
Southcoast Hospitals Group – Tobey Hospital Campus	43 High Street Wareham, MA 02571	3113	145	
Steward Carney Hospital	2100 Dorchester Avenue Dorchester, MA 02124	42	42	
Steward Good Samaritan Medical Center – Brockton Campus	235 North Pearl Street Brockton, MA 02301	8701	62	
Steward Good Samaritan Medical Ctr - Norcap Lodge Campus **NO ED**	*71 Walnut Street* *Foxboro, MA 02035*	*8701*	*4460*	
Steward Holy Family Hospital and Medical Center	70 East Street Methuen, MA 01844	75	75	
Steward Norwood Hospital	800 Washington Street Norwood, MA 02062	41	41	
Steward St. Anne's Hospital	795 Middle Street Fall River, MA 02721	114	114	
Steward St. Elizabeth's Medical Center	736 Cambridge Street Boston, MA 02135	126	126	
Sturdy Memorial Hospital	211 Park Street Attleboro, MA 02703	129	129	
Tufts Medical Center	800 Washington Street Boston, MA 02111	104	104	
UMass. Memorial Medical Center – University Campus	55 Lake Avenue North Worcester, MA 01655	3115	131	
UMass. Memorial Medical Center – Memorial Campus	119 Belmont Street Worcester, MA 01605	3115	131	130
Winchester Hospital	41 Highland Avenue Winchester, MA 01890	138	138	

SUPPLEMENT II. HOSPITAL ADDRESSES, ORG ID, AND SERVICE SITE ID NUMBERS

Current Organization Name	Hospital Address	ID ORG HOSP	ID ORG FILER	SITE NO.*
Wing Memorial Hospital	40 Wright Street	139	139	
	Palmer, MA 01069-1187			

* For data users trying to identify specific care sites, use site number. However, if site number is blank, use IdOrgFiler

SUPPLEMENT III. MERGERS, NAME CHANGES, CLOSURES, CONVERSIONS AND NON- ACUTE CARE HOSPITALS

MERGERS – ALPHABETICAL LIST

Name of New Entity	Names of Original Entities	Date
Berkshire Health System	-Berkshire Medical Center -Hillcrest Hospital -Fairview Hospital	July 1996
Beth Israel Deaconess Medical Center	-Beth Israel Hospital -N.E. Deaconess Hospital	October 1996
Boston Medical Center	-Boston University Med. Ctr. -Boston City Hospital -Boston Specialty/Rehab	July 1996
Cambridge Health Alliance Notes: As of July 2001, Cambridge Health Alliance included Cambridge, Somerville, Whidden, & Malden's 42 Psych beds. Malden now closed. Cambridge & Somerville submitted data separately in the past. This year they are submitting under one name. In future years, they may use the Facility Site Number to identify each individual facility's discharges.	-Cambridge Hospital -Somerville Hospital	July 1996
Good Samaritan Medical Center	-Cardinal Cushing Hospital -Goddard Memorial	October 1993
Hallmark Health Systems Notes: As of July 2001 includes only Lawrence Memorial & Melrose-Wakefield	-Lawrence Memorial -Hospital Malden Hospital -Unicare Health Systems Notes: Unicare was formed in July 1996 as a result of the merger of Melrose-Wakefield and Whidden Memorial Hospital	October 1997
Health Alliance Hospitals, Inc.	-Burbank Hospital -Leominster Hospital	November 1994
Lahey Clinic	-Lahey -Hitchcock (NH)	January 1995

SUPPLEMENT III. MERGERS, NAME CHANGES, CLOSURES, CONVERSIONS AND NON- ACUTE CARE HOSPITALS

MERGERS – ALPHABETICAL LIST

Name of New Entity	Names of Original Entities	Date
Medical Center of Central Massachusetts	-Holden District Hospital -Worcester Hahnemann -Worcester Memorial	October 1989
MetroWest Medical Center	-Leonard Morse Hospital -Framingham Union	January 1992
Northeast Health Systems	-Beverly Hospital -Addison Gilbert Hospital	October 1996
North Shore Medical Center	-North Shore Medical Center (dba Salem Hospital) and -Union Hospital Notes: 1. Salem Hospital merged with North Shore Children's Hospital in April 1988 2. Lynn Hospital merged with Union Hospital in 1986 to form Atlanticare	March 2004
Saints Memorial Medical Center	-St. John's Hospital -St. Joseph's Hospital	October 1992
Sisters of Providence Health System	-Mercy Medical Center -Providence Hospital	June 1997
Southcoast Health Systems	-Charlton Memorial Hospital -St. Luke's Hospital -Tobey Hospital	June 1996
UMass. Memorial Medical Center	-UMMC -Memorial -Memorial-Hahnemann	April 1999

SUPPLEMENT III. MERGERS, NAME CHANGES, CLOSURES, CONVERSIONS AND NON- ACUTE CARE HOSPITALS

MERGERS – CHRONOLOGICAL LIST

Date	Entity Names
1986	Atlanticare (Lynn & Union)
April 1988	Salem (North Shore Children's and Salem)
October 1989	Medical Center Central Mass (Holden, Worcester, Hahnemann and Worcester Memorial
January 1992	MetroWest (Framingham Union and Leonard Morse)
October 1992	Saints Memorial (St. John's and St. Joseph's)
October 1993	Good Samaritan (Cardinal Cushing and Goddard Memorial)
November 1994	Health Alliance (Leominster and Burbank)
January 1995	Lahey Hitchcock (Lahey & Hitchcock (NH))
June 1996	Southcoast Health System (Charlton, St. Luke's and Tobey)
July 1996	Berkshire Medical Center (Berkshire Medical Center and Hillcrest)
July 1996	Cambridge Health Alliance (Cambridge and Somerville)
July 1996	Boston Medical Center (University and Boston City)
July 1996	UniCare Health Systems (Melrose-Wakefield and Whidden)
October 1996	Northeast Health Systems (Beverly and Addison-Gilbert)
October 1996	Beth Israel Deaconess Medical Center (Deaconess and Beth Israel)
June 1997	Mercy (Mercy and Providence)
October 1997	Hallmark Health System, Inc. (Lawrence Memorial, Malden, UniCare [formerly Melrose-Wakefield and Whidden])
April 1998	UMass. Memorial Medical Center (UMMC, Memorial and Memorial-Hahnemann)
July 2001	Cambridge Health Alliance (Cambridge, Somerville, Whidden and Malden's 42 Psych beds)
July 2001	Hallmark Health now only Melrose Wakefield and Lawrence Memorial
June 2002	CareGroup sold Deaconess-Waltham to a private developer who leased the facility back to Waltham Hosp. (new name)
July 2002	Deaconess-Glover now under a new parent: Beth Israel Deaconess (was under CareGroup parent)
March 2004	North Shore Medical Center (dba Salem) and Union merge (still North Shore Medical Center)

SUPPLEMENT III. MERGERS, NAME CHANGES, CLOSURES, CONVERSIONS AND NON- ACUTE CARE HOSPITALS

NAME CHANGES

Name of New Entity	Original Entities	Date
Baystate Mary Lane	-Mary Lane Hospital	
Beth Israel Deaconess Medical Center	-Beth Israel Hospital -New England Deaconess Hospital	
Beth Israel Deaconess Needham	-Glover Memorial -Deaconess-Glover Hospital	July 2002
Boston Medical Center – Menino Pavilion	-Boston Medical Center – Harrison Avenue Campus	
Boston Regional Medical Center	-New England Memorial Hospital	Now Closed.
Cambridge Health Alliance – (now includes Cambridge, Somerville & Whidden)	-Cambridge Hospital -Somerville Hospital	
Cambridge Health Alliance – Malden & Whidden	-Hallmark Health Systems – Malden & Whidden	Malden now closed.
Cape Cod Health Care Systems	-Cape Cod Hospital -Falmouth Hospital	
Children's Hospital Boston	-Children's Hospital	February 2004
Hallmark Health Lawrence Memorial Hospital & Hallmark Health Melrose-Wakefield Hospital	-Lawrence Memorial Hospital – Melrose –Wakefield Hospital	
Kindred Hospitals – Boston & North Shore	-Vencor Hospitals – Boston & North Shore	
Lahey Clinic Hospital	-Lahey Hitchcock Clinic	
Merrimack Valley Hospital, A Steward Family Hospital, Inc.	Merrimack Valley Hospital	Acquired by Steward Health Care May 2011
MetroWest Medical Center – Framingham Union Hospital and Leonard Morse Hospital	Framingham Union Hospital Leonard Morse Hospital/ Columbia MetroWest Medical Center	
Milford Regional Medical Center	Milford-Whitinsville Hospital	
Morton Hospital, A Steward Family Hospital	Morton Hospital	Acquired by Steward Health Care 2011

NAME CHANGES (Cont.)

SUPPLEMENT III. MERGERS, NAME CHANGES, CLOSURES, CONVERSIONS AND NON- ACUTE CARE HOSPITALS

Name of New Entity	Original Entities	Date
Nashoba Valley Medical Center, A Steward Family Hospital	Nashoba Valley Medical Center	Acquired by Steward Health Care May 2011
Northeast Health Systems	Beverly Hospital and Addison Gilbert Hospital	
North Shore Medical Center - Salem	Salem Hospital and North Shore Children's Hospital	
North Shore Medical Center - Union	Union Hospital	
Quincy Medical Center, A Steward Family Hospital, Inc.	Quincy Medical Center	Acquired by Steward Health Care 2011
Southcoast Health Systems	Charlton Memorial Hospital St Luke's Hospital Tobey Hospital	January 2008
Steward Carney Hospital	Carney Hospital	Acquired by Steward Health Care 2010
Steward Good Samaritan Medical Center, Brockton Campus	Caritas Good Samaritan	Acquired by Steward Health Care 2010
Steward Good Samaritan Medical Center – Norcap Lodge Campus	Caritas Good Samaritan Medical – Norcap Lodge Campus	Acquired by Steward Health Care 2010
Steward Holy Family Hospital	Caritas Holy Family Hospital	Acquired by Steward Health Care 2010
Steward Norwood Hospital	Caritas Norwood Hospital	Acquired by Steward Health Care 2010
Steward Saint Anne's Hospital	Caritas Saint Anne's Hospital	Acquired by Steward Health Care 2010
Steward St. Elizabeth's Medical Center	Caritas St. Elizabeth Medical Center	Acquired by Steward Health Care 2010

NAME CHANGES (Cont.)

SUPPLEMENT III. MERGERS, NAME CHANGES, CLOSURES, CONVERSIONS AND NON- ACUTE CARE HOSPITALS

Name of New Entity	Original Entities	Date
Tufts Medical Center	Tufts New England Medical Center, New England Medical Center	January 2008
Health Alliance Hospital – A Member of UMass Memorial Health Care	Health Alliance Hospital	
Marlborough Hospital – A Member of UMass Memorial Health Care	Marlborough Hospital	
Wing Memorial Hospital - A Member of UMass Memorial Health Care	Wing Memorial Hospital	
Clinton Hospital – A Member of UMass Memorial Health Care	Clinton Hospital	
UMass Memorial Medical Center – University Campus	UMass Memorial Medical Center	

SUPPLEMENT III. MERGERS, NAME CHANGES, CLOSURES, CONVERSIONS AND NON- ACUTE CARE HOSPITALS

CLOSURES

Date	Hospital Name	Comments
June 1989	Sancta Maria	
September 1990	Mass. Osteopathic	
June 1990	Hunt	Outpatient only now.
July 1990	St. Luke's Middleborough	
September 1991	Worcester City	
May 1993	Amesbury	
July 1993	Saint Margaret's	
June 1994	Heritage	
June 1994	Winthrop	
October 1994	St. Joseph's	
December 1994	Ludlow	
October 1996	Providence	
November 1996	Goddard	
1996	Lynn	
January 1997	Dana Farber	Inpatient acute beds now at Brigham & Women's
March 1997	Burbank	
February 1999	Boston Regional	
April 1999	Malden	
August 1999	Symmes	
July 2003	Waltham	

NOTE: Subsequent to closure, some hospitals may have reopened for use other than an acute hospital (e.g., health care center, rehabilitation hospital, etc.)

SUPPLEMENT III. MERGERS, NAME CHANGES, CLOSURES, CONVERSIONS AND NON- ACUTE CARE HOSPITALS

CONVERSIONS AND NON-ACUTE CARE HOSPITALS

HOSPITAL	COMMENTS
Fairlawn Hospital	Converted to non-acute care hospital
Heritage Hospital	Converted to non-acute care hospital
Vencor – Kindred Hospital Boston	Non-acute care hospital
Vencor – Kindred Hospital North Shore	Non-acute care hospital

SECTION II. TECHNICAL DOCUMENTATION

Overview

For your information, we have included a page of physical specifications for the data file at the beginning of this manual. Please refer to **CD Specifications** on page 2 for further details.

Technical Documentation included in this section of the manual is as follows:

Part A. Calculated Field Documentation

Calculated fields are:

- **Age**
- **Newborn age in weeks**
- **Unique Health Information Number (UHIN) Sequence Number**

Each description has three parts:

- First is a description of any Conventions. For example, how are missing values used?

- Second is a Brief Description of how the fields are calculated. This description leaves out some of the detail. However, with the first section it gives a good working knowledge of the field.

- Third is a Detailed Description of how the calculation is performed. This description follows the code very closely.

Part B. Data Code Tables Summary

ED Data Code Tables are listed in this section.

Other Technical Documentation Resources:

Data Release File Specifications:

Specifications outlining the **ED data release file fields and Access 3 database structure** for the various **ED Data Release Levels** are in development at the time of release of this document. When complete these will be published on the **CHIA website**.

Submission File Specifications:

For a record layout and description of each field along with the starting and ending positions, as specified for Hospital ED submission files, refer to the **Outpatient Emergency Department Visit Data Electronic Records Submission Specification** on the CHIA website:

http://www.mass.gov/chia/docs/g/chia-regs/114-1-17-ed-data-specs.pdf
 or
http://www.mass.gov/chia/docs/g/chia-regs/114-1-17-ed-data-specs.doc

PART A. CALCULATED FIELD DOCUMENTATION

1. AGE CALCULATIONS

A) Conventions:

> 1) Age is calculated if the **date of birth** and **admission date** are valid.
>
> - If either one is invalid, then '999' is placed in this field.
>
> 2) **Discretion should be used** whenever a questionable age assignment is noted. Researchers are advised to consider other data elements (i.e., if the admission type is newborn) in their analysis of this field.

B) Brief Description:

> Age is calculated by subtracting the **date of birth** from the **admission date**.

C) Detailed Description:

> If the patient has already had a birthday for the year, his or her age is calculated by subtracting the year of birth from the year of admission. If not, then the patient's age is the year of admission minus the year of birth, minus one.

2. NEWBORN AGE CALCULATIONS

A) Conventions:

> 1) Newborn age is calculated to **the nearest week** (the remainder is dropped). Thus, newborns zero to six days old are considered to be zero weeks old.
>
> 2) Discharges that are not newborns have '99' in this field.

B) Brief Description:

> Discharges less than one year old have their age calculated by subtracting the **date of birth** from the **admission date**. This gives the patient's age in days. This number is divided by seven, the remainder is dropped.

C) Detailed Description:

> 1) If a patient is 1 year old or older, the age in weeks is set to '99'.
>
> 2) If a patient is less than 1 year old then:
>
> > a) Patients' age is calculated in days using the Length of Stay (LOS) routine, described in (B) above.
> >
> > b) Number of days in step 'a' above is divided by seven, and the remainder is dropped.

3. UNIQUE HEALTH INFORMATION NUMBER (UHIN) VISIT SEQUENCE NUMBER

A) Conventions:

If the Unique Health Information Number (UHIN) is undefined (not reported, unknown or invalid), the sequence number is set to zero.

B) Brief Description:

The Sequence Number is calculated by sorting the file by UHIN, registration date, and discharge date. The sequence number is then calculated by incrementing a counter for each UHIN's set of visits.

C) Detailed Description:

1) UHIN Sequence Number is calculated by sorting the entire database by UHIN, registration date, then discharge date (both dates are sorted in ascending order).

2) If the UHIN is undefined (not reported, unknown or invalid), the sequence number is set to zero.

3) If the UHIN is valid, the sequence number is calculated by incrementing a counter from 1 to nnnn, where a sequence number of 1 indicates the first visit for the UHIN, and nnnn indicates the last visit for the UHIN.

4) If a UHIN has 2 visits on the same day, the discharge date is used as the secondary sort key.

PART B. OUTPATIENT EMERGENCY DEPARTMENT DATA CODE TABLES

Please refer to **Outpatient Emergency Department Visit Data Electronic Records Submission Specification** on the CHIA website for information regarding the Outpatient Emergency Department Data Code tables for all data elements requiring codes not otherwise specified in 114.1 CMR 17.00.

> http://www.mass.gov/chia/docs/g/chia-regs/114-1-17-ed-data-specs.pdf
> or
> http://www.mass.gov/chia/docs/g/chia-regs/114-1-17-ed-data-specs.doc

The specification contains the ED submission file record layout and field requirements, as well as lists and descriptions of the expected values for the following **ED data code tables**:

- **IDHCFP Organization IDs for Hospitals**
- **Payer Type Code**
- **Source of Payment Code**
- **Patient Sex**
- **Patient Race**
- **Patient Hispanic Indicator**
- **Patient Ethnicity**
- **Type of Visit**
- **Source of Visit**
- **Patient Departure Status Code**
- **Other Caregiver Code**
- **Patient's Mode of Transport**
- **Homeless Indicator**
- **Condition Present on Visit Flag**