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## **BACKGROUND**

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The Hawaii Health Information Corporation (HHIC) is a not for profit organization incorporated in February, 1994.

HHIC maintains one of Hawai'i's largest healthcare databases, which contains over 1,000,000 inpatient discharge records collected from Hawai'i's 22 acute care hospitals for each year since 1993. HHIC's unique strength is the ability to generate comparative information using the extensive records in this database. In addition, we analyze relevant state and national databases to create population-based reports, performance measures, norms and benchmarks. As an independent organization, HHIC brings both objectivity and the required expertise to enable health care facilities, health plans, public and private organizations and communities to make the most of the data available, both locally and nationally.

### ***Our Mission***

The mission of HHIC is to collect, analyze and disseminate statewide health information in support of efforts to continuously improve the quality and cost-efficiency of healthcare services provided to the people of Hawai'i.



## Overview

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Since the first publication of *Technical Specifications: Hospital Discharge Data* in 1995, the Hawaii Health Information Corporation (HHIC) has issued several updated versions that incorporate new data elements and data sets to support HHIC member services and report requirements. The original Technical Specifications, Hospital Discharge Data, Version 1 included the core HHIC inpatient data elements and was applied to the submittal of hospital discharge data covering 1993 – 1995.

In December, 1995, *Technical Specifications, Hospital Discharge Data, Version 2* was released covering inpatient discharges for 1996. This version expanded the original inpatient data set to include additional detailed discharge data elements: Type of Admission, Source of Admission, Total Acute Care Days, Total Acute Care Charges, Total SNF Days, Total SNF Charges, Total ICF Days, Total ICF Charges, Total Other Days, Total Other Charges and Wait Listed Flag.

In October, 1996, the first Technical Specifications for outpatient data was issued. It covered ambulatory surgery and emergency room events beginning with 1997.

*Health Care Data Sets: Technical Specifications and Transmittal Instructions, Version 3* was released in 1998 and included the specifications for both Inpatient and Outpatient data sets. It was applicable for events beginning with January, 1998 and included specifications for a new Patient Satisfaction Survey data set that was applicable to hospitals participating in the HHIC statewide Patient Satisfaction Survey project. This Patient Satisfaction Survey data set was an exact duplicate of the inpatient data set with the addition of eight new data elements that were added on at the end of the inpatient data set.

*Health Care Data Sets, Technical Specifications and Transmission Instructions, Version 4* was released in 2003 and was applicable for events beginning in January 2003. It included new field values for are Principal Source of Payment and Disposition of Patient. The *inpatient data set* was expanded to include an additional 10 Other Diagnoses as well as 10 more Other Procedures, Other Surgeons and Other Procedure Dates. Also new for 2003 inpatient data is the mother's medical record number on all newborn records. Current Procedural Terminology (CPT) codes were added to the *outpatient data set*.

*Health Care Data Sets, Technical Specifications and Transmission Instructions, Version 5* was released in 2006 and was applicable for events beginning in January 2006. It included a newly created Physician data set. The new field values for are Principal Source of Payment. New data elements for both the *inpatient and outpatient data set* were Account number, Social Security Number, Patient Source of Admission—Specific Facility and Opt-Out Mailing Flag. Admitting and Discharge Nursing Unit were added to the *inpatient data set*. The Disposition of Patient—Hospital Defined field was modified for both the *inpatient and outpatient data set*. Total Charges and Mother's Medical Record Number fields were modified for the *inpatient data set* only. All of the waitlisted data elements were deleted from the *inpatient data set*.

*Health Care Data Sets, Technical Specifications and Transmission Instructions, Version 6* was released in 2008 and was applicable for events beginning in January 2008. New data elements for both the *inpatient and outpatient data set* were Patient Middle Initial and Patient Name Suffix. For the *inpatient data set* only was the Present on Admission Indicator.



### ***New in 2010***

This current publication, *Health Care Data Sets, Technical Specifications and Transmission Instructions, Version 7* includes new field values for some current data elements as well as a new data element for both the inpatient and outpatient data sets.

A ***new field values*** has been added to Principal Source of Payment and HHIC has created a list of race and ethnicity codes for the hospitals to report.

**All changes are effective with discharges of January 2010.**



## **GENERAL SPECIFICATIONS**

The instructions and specifications contained in *Health Care Data Sets: Technical Specifications and Transmittal Instructions, Version 7* are applicable to participating HHIC institutions submitting data to HHIC, effective with discharges of January, 2010.

### ***Data Submission Schedule***

Inpatient and outpatient event records (for a month period) will be submitted to HHIC **45 days** after the end of each month.

A schedule for the submittal of the Inpatient, Outpatient, and Physician data sets to HHIC is provided in the table below.

### **Data Submission Schedule 2010**

<b>DATA DUE AT HHIC</b>	<b>INPATIENT/OUTPATIENT/ PHYSICIAN DATA SETS *</b>
January 15, 2010	November, 2009 Discharges
February 15, 2010	December, 2009 Discharges
March 15, 2010	January, 2010 Discharges
April 15, 2010	February, 2010 Discharges
May 14, 2010	March, 2010 Discharges
June 15, 2010	April, 2010 Discharges
July 15, 2010	May, 2010 Discharges
August 13, 2010	June, 2010 Discharges
September 15, 2010	July, 2010 Discharges
October 15, 2010	August, 2010 Discharges
November 15, 2010	September, 2010 Discharges
December 15, 2010	October, 2010 Discharges
January 14, 2011	November, 2010 Discharges

\* Inpatient/Outpatient data is due 45 days after discharge.



## ***Data File Description***

Data files submitted to HHIC should include the following:

Email Attachment via HHIC's Secure File Transfer:

- Attach data files to an email message (see transmission specifications below for details)
- Email message should contain the following information:
  - Hospital Name(s)
  - Time Period Covered
  - Record Count (in message or at the end of the data file)

Each Inpatient data record is 853 characters in length, Outpatient data record is 760 characters in length, and Physician data record is 130 characters in length. All data records have a carriage return line feed at the end of each record.

Hospitals should submit separate files for each Inpatient, Outpatient, and Physician data set. The Outpatient files (Ambulatory Surgery and Emergency Room) can be submitted separately or combined in a single file. The preferred method is separate files.

Multiple files may be transmitted in a single electronic data transmission, if desired.

## ***Transmission Options and Specifications***

Data can be transmitted to HHIC in one of the following ways:

1. Email attachment via HHIC's Secure File Transfer site with these requirements:
  - Send to the HHIC Data Manager (Jean Kailiawa at [datamanager@hhic.org](mailto:datamanager@hhic.org)).
  - Send email to HHIC Data Manager (Jean Kailiawa at [jkailiawa@hhic.org](mailto:jkailiawa@hhic.org)) that the file has been sent.
2. VPN (i.e. HyperSend, PGP) data files to HHIC Data Manager (Jean Kailiawa).