

The Commonwealth of Massachusetts

Center for Health Information and Analysis

**The Massachusetts**

**All-Payer Claims Database**

**Supplemental Diagnosis File**

**Submission Guide**

**February 2016**

Charles Baker, Governor Aron Boros, Executive Director

Commonwealth of Massachusetts Center for Health Information and Analysis

Version 5.0

**Revision History**

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author** |
| **2/2015** | **4.0** | * **Initial Draft** | **K. Hines** |
| **2/2016** | **5.0** | * **Administrative Bulletin 16-03** | **K. Hines** |
| **2/2016** | **5.0** | * **Update Cover Sheet, CHIA website** | **K. Hines** |
| **2/2016** | **5.0** | * **Update APCD Version Number – HD009 – to 5.0** | **K. Hines** |
|  |  |  |  |

**Table of Contents**

[Introduction 3](#_Toc410743989)

[957 CMR 8.00: APCD and Case Mix Data Submission 3](#_Toc410743990)

[Acronyms Frequently Used 4](#_Toc410743991)

[The MA APCD Quarterly Supplemental Diagnosis File 5](#_Toc410743992)

[Types of Data collected in the Supplemental Diagnosis File 6](#_Toc410743993)

[Submitter-assigned Identifiers 6](#_Toc410743994)

[Claims Data 6](#_Toc410743995)

[File Guideline and Layout 7](#_Toc410743996)

[Legend 7](#_Toc410743997)

[Appendix – External Code Sources 14](#_Toc410743998)

Introduction

Access to timely, accurate, and relevant data is essential to improving quality, mitigating costs, and promoting transparency and efficiency in the health care delivery system. A valuable source of data can be found in health care claims but it is currently collected by a variety of government entities in various formats and levels of completeness. Using its broad authority to collect health care data ("without limitation") under M.G.L. c. 118G, § 6 and 6A, the Center for Health Information and Analysis (CHIA) has adopted regulations to create a comprehensive all payer claims database (“MA APCD”) with medical, pharmacy, and dental claims as well as provider, product, and member eligibility information derived from fully-insured, self-insured, Medicare, Medicaid and Supplemental Policy data. CHIA is a clearinghouse for comprehensive quality and cost information to ensure consumers, employers, insurers, and government have the data necessary to make prudent health care purchasing decisions.

To facilitate communication and collaboration, CHIA maintains a dedicated MA APCD website ( http://www.chiamass.gov/apcd-information-for-data-submitters/ )with resources that currently include the submission and release regulations, Administrative Bulletins, the technical submission guide with examples, and support documentation. These resources will be periodically updated with materials and the CHIA staff will continue to work with all affected submitters to ensure full compliance with the regulation.

CHIA is committed to establishing and maintaining a MA APCD that promotes transparency, improves health care quality, and mitigates health care costs. We welcome your ongoing suggestions for revising reporting requirements that facilitate our shared goal of administrative simplification. If you have any questions regarding the regulations or technical specifications we encourage you to utilize the online resources and reach out to our staff for any further questions.

Thank you for your partnership with CHIA on the all payer claims database.

957 CMR 8.00: APCD and Case Mix Data Submission

957 CMR 8.00 governs the reporting requirements for Health Care Payers to submit data and information to CHIA in accordance with M.G.L. c. 118G, § 6. The regulation establishes the data submission requirements for health care payers to submit information concerning the costs and utilization of health care in Massachusetts. CHIA will collect data essential for the continued monitoring of health care cost trends, minimize the duplication of data submissions by payers to state entities, and promote administrative simplification among state entities in Massachusetts.

Health care data and information submitted by Health Care Payers to CHIA is not a public record. No public disclosure of any health plan information or data shall be made unless specifically authorized under 957 CMR 5.00.

Acronyms Frequently Used

APCD – All-Payer Claims Database

CHIA – Center for Health Information and Analysis

CSO – Computer Services Organization

DBA – Delegated Benefit Administrator

DBM – Dental Benefit Manager

DOI – Division of Insurance

GIC – Group Insurance Commission

ID – Identification; Identifier

MA APCD – Massachusetts’ All-Payer Claims Database

NPI – National Provider Identifier

PBM – Pharmacy Benefit Manager

QA – Quality Assurance

RA – Risk Adjustment; Risk Adjuster

TME / RP – Total Medical Expense / Relative Pricing

TPA – Third Party Administrator

The File Types:

DC – Dental Claims

MC – Medical Claims

ME – Member Eligibility

PC – Pharmacy Claims

PR – Product File

PV – Provider File

BP – Benefit Plan Control Total File

SD – Supplemental Diagnosis Code File (Connector Risk Adjustment plans only)

The MA APCD Quarterly Supplemental Diagnosis (“SD”) File

As part of the MA APCD, submitters involved in the state’s Risk Adjustment program may choose to submit a supplemental diagnosis file. CHIA, in an effort to decrease any programming burden, has maintained the file layout structure previously used. This layout will connect appropriately across other required filings for the MA APCD.

Below we have provided details on business rules, data definitions and the potential uses of this data.

| **Specification Question** | **Clarification** | **Rationale** |
| --- | --- | --- |
| Frequency of submission | Supplemental diagnosis files may be submitted quarterly | CHIA requires this frequency to maintain a current dataset for the Connector’s risk adjustment |
| What is the format of the file | Each submission must be a variable field length asterisk delimited file | An asterisk cannot be used within an element in lieu of another character. Example: if the file includes “Smith\*Jones” in the Last Name, the system will read an incorrect number of elements and drop the file. |
| What each row in the file represents | Each row represents a diagnosis code to be added to or deleted from a claim line submitted in the medical claim file. If there are multiple diagnoses, each of those diagnoses will be uniquely identified and reported on a line. | It is necessary to separate line items to allow carriers to submit an unlimited number of diagnoses for addition/deletion. |

Types of Data collected in the Supplemental Diagnosis File

Submitter-assigned Identifiers

CHIA requires various Submitter-assigned identifiers in order to allow users to link the data to the Medical Claims and Member Eligibility files. Some examples of these elements include SD002 – SD007. This matching allows for data aggregation and required reporting.

Claims and Supplemental Diagnosis Data

CHIA requires the line-level detail of all Medical Claims within the medical claim (MC) file. The line-level data aids with understanding utilization within products across submitters. The specific medical data reported in the majority of the MC file correspond to elements found on the UB04, HCFA 1500 and the HIPAA 837I and 837P data sets or a Carrier-specific direct data entry system. CHIA and the Connector understand that supplemental diagnoses may be added/deleted after the claims data has been submitted through the MC files. To assist carriers in capturing supplemental diagnosis data CHIA has created the Supplemental Diagnosis (SD) File Submission to complement the Medical Claims file and capture these additional diagnoses for the purposes of risk adjustment.

Member (Patient) submitter unique identifier and claim elements are being requested to aid with the matching algorithm.

CHIA is committed to working with all submitters and their technical teams to ensure compliance with applicable laws and regulations.  CHIA will continue to provide support through technical assistance calls and resources available on the CHIA website, (http://www.chiamass.gov/apcd-information-for-data-submitters/)

File Guideline and Layout

Legend

1. File: Identifies the file per element as well as the Header and Trailer Records that repeat on all MA APCD File Types. Headers and Trailers are Mandatory as a whole, with just a few elements allowing situational reporting.
2. Col: Identifies the column the data resides in when reported
3. Elmt: This is the number of the element in regards to the file type
4. Data Element Name: Provides identification of basic data required
5. Date Modified: Identifies the last date that an element was adjusted.
6. Type: Defines the data as Decimal, Integer, Numeric or Text. Additional information provided for identification, e.g., Date Period – Integer
7. Type Description: Used to group like-items together for quick identification
8. Format / Length: Defines both the reporting length and element min/max requirements. See below:
   1. char[n] – this is a fixed length element of [n] characters, cannot report below or above [n]. This can be any type of data, but is governed by the type listed for the element, Text vs. Numeric.
   2. varchar[n] – this is a variable length field of max [n] characters, cannot report above [n]. This can be any type of data, but is governed by the type listed for the element, Text vs. Numeric.
   3. int[n] – this is a fixed type and length element of [n] for numeric reporting only. This cannot be anything but numeric with no decimal points or leading zeros.

The plus/minus symbol (**±**) in front on any of the Formats above indicate that a negative can be submitted in the element under specific conditions. **Example:** When the Claim Line Type (MC138) = V (void) or B (backout) then certain claim values can be negative.

1. Description: Short description that defines the data expected in the element
2. Element Submission Guideline: Provides detailed information regarding the data required as well as constraints, exceptions and examples.
3. Condition: Provides the condition for reporting the given data
4. %: Provides the base percentage that the MA APCD is expecting in volume of data in regards to condition requirements.
5. Cat: Provides the category or tiering of elements and reporting margins where applicable. ‘A’ level fields must meet their APCD threshold percentage in order for a file to pass. The other categories (B, C, Z) are also monitored but will not cause a file to fail. Header and Trailer Mandatory element errors will cause a file to drop. Where elements have a conditional requirement, the percentages are applied to the number of records that meet the condition.

HM = Mandatory Header element; HS = Situational Header element; HO = Optional Header element; A0 = Data is required to be valid per Conditions and must meet threshold percent with 0% variation; A1= Data is required to be valid per Conditions and must meet threshold percent with no more than 1% variation; A2 = Data is required to be valid per Conditions and must meet threshold percent with no more than 2% variation; B and C = Data is requested and errors are reported, but will not cause a file to fail; Z = Data is not required; TM = Mandatory Trailer element; TS = Situational Trailer element; TO = Optional Trailer element.

Elements that are highlighted indicate that a MA APCD lookup table is present and contains valid values expected in the element. In very few cases, there is a combination of a MA APCD lookup table and an External Code Source or Carrier Defined Table.

It is important to note that Type, Format/Length, Condition, Threshold and Category are considered as a suite of requirements that the intake edits are built around to insure compliance, continuity and quality. This insures that the data can be standardized at other levels for greater understanding of healthcare utilization.

| **File** | **Col** | **Elmt** | **Data Element Name** | **Date Modified** | **Type** | **Type Description** | **Format / Length** | **Description** | **Element Submission Guideline** | **Condition** | **%** | **Cat** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| HD-SD | 1 | HD001 | Record Type | 2/10/15 | Text | ID Record | char[2] | Header Record Identifier | Report **HD** here. Indicates the beginning of the Header Elements of the file. | Mandatory | 100% | HM |
| HD-SD | 2 | HD002 | Submitter | 2/10/15 | Integer | ID OrgID | varchar[6] | Header Submitter / Carrier ID defined by CHIA | Report CHIA defined, unique Submitter ID here. TR002 must match the Submitter ID reported here. This ID is linked to other elements in the file for quality control. | Mandatory | 100% | HM |
| HD-SD | 3 | HD003 | National Plan ID | 2/10/15 | Integer | ID Nat'l PlanID | int[10] | Header CMS National Plan Identification Number (PlanID) | Do not report any value here until National PlanID is fully implemented. This is a unique identifier as outlined by Centers for Medicare and Medicaid Services (CMS) for Plans or Sub plans. | Situational | 0% | HS |
| HD-SD | 4 | HD004 | Type of File | 2/10/15 | Text | ID File | char[2] | Defines the file type and data expected. | Report **SD** here. Indicates that the data within this file is expected to be diagnosis-based. This must match the File Type reported in TR004. | Mandatory | 100% | HM |
| HD-SD | 5 | HD005 | Period Beginning Date | 2/10/15 | Date Period - Integer | Century Year Month - CCYYMM | int[6] | Header Period Start Date | Report the Year and Month of the reported submission period in CCYYMM format. This date period must be repeated in HD006, TR005 and TR006. This same date must be selected in the upload application for successful transfer. | Mandatory | 100% | HM |
| HD-SD | 6 | HD006 | Period Ending Date | 2/10/15 | Date Period - Integer | Century Year Month - CCYYMM | int[6] | Header Period Ending Date | Report the Year and Month of the reporting submission period in CCYYMM format. This date period must match the date period reported in HD005 and be repeated in TR005 and TR006. | Mandatory | 100% | HM |
| HD-SD | 7 | HD007 | Record Count | 2/10/15 | Integer | Counter | varchar[10] | Header Record Count | Report the total number of records submitted within this file. Do not report leading zeros, space fill, decimals, or any special characters. | Mandatory | 100% | HM |
| HD-SD | 8 | HD008 | Comments | 2/10/15 | Text | Free Text Field | varchar[80] | Header Carrier Comments | May be used to document the submission by assigning a filename, system source, compile identifier, etc. | Optional | 0% | HO |
| HD-SD | 9 | HD009 | APCD Version Number | 2/2016 | Decimal - Numeric | ID Version | char[3] | Submission Guide Version | Report the version number as presented on the APCD Medical Claim File Submission Guide in 0.0 Format. Sets the intake control for editing elements. Version must be accurate else file will drop. **EXAMPLE:** 4.0 = Version 4.0 | Mandatory | 100% | HM |
|  |  |  |  |  |  |  |  | ***Code*** | ***Description*** |  |  |  |
|  |  |  |  |  |  |  |  | 4.0 | Version 4.0; required for reporting periods October 2013 ; No longer VALID as of August 2016 |  |  |  |
|  |  |  |  |  |  |  |  | 5.0 | Version 5.0: required for reporting periods October 2013 onward as of August 2016 |  |  |  |
| HD-SD | 10 | HD010 | Claim Count | 2/10/15 | Integer | Counter | Varchar[10] | Header Claim Count | Report the total number of unique payer claim control numbers (SD002) submitted within this file. Do not report leading zeros, space fill, decimals, or any special characters. | Mandatory | 100% | HM |
| HD-SD | 11 | HD011 | Member Count | 2/10/15 | Integer | Counter | Varchar[10] | Header Member Count | Report the total number of unique member IDs (SD005) submitted within this file. Do not report leading zeros, space fill, decimals, or any special characters. | Mandatory | 100% | HM |
| SD | 1 | SD001 | Submitter | 2/10/15 | Integer | ID Submitter | varchar[6] | CHIA defined and maintained unique identifier | Report the Unique Submitter ID as defined by CHIA here. This must match the Submitter ID reported in HD002. | All | 100% | A0 |
| SD | 4 | SD002 | Payer Claim Control Number | 2/10/15 | Text | ID Claim Number | varchar[35] | Payer Claim Control Identification | Report the Unique identifier within the payer's system that applies to the claim for this diagnosis. | All | 100% | A0 |
| SD | 5 | SD003 | Line Counter | 2/10/15 | Integer | ID Count | varchar[4] | Incremental Line Counter | Report the line number for this diagnosis within the claim. | All | 100% | A0 |
| SD | 6 | SD004 | Version Number | 2/10/15 | Integer | Counter | varchar[4] | Claim Service Line Version Number | Report the version number of this claim service line. | All | 100% | B |
| SD | 138 | SD005 | Carrier Specific Unique Member ID | 2/10/15 | Text | ID Link to ME107 | varchar[50] | Member's Unique ID | Report the identifier the carrier / submitter uses internally to uniquely identify the member. Used to validate Unique Member ID and link back to Member Eligibility (ME107) and Medical Claims (MC137). | All | 100% | A0 |
| SD | 60 | SD006 | Date of Service - From | 2/10/15 | Full Date - Integer | Century Year Month Day - CCYYMMDD | int[8] | Date of Service | Report the date of service for the claim line in CCYYMMDD Format. | All | 98% | A0 |
| SD | 61 | SD007 | Date of Service - To | 2/10/15 | Full Date - Integer | Century Year Month Day - CCYYMMDD | int[8] | Date of Service | Report the end service date for the claim line in CCYYMMDD Format. For inpatient claims, the room and board line may or may not be equal to the discharge date. | All | 98% | A0 |
| SD | 25 | SD008 | Service Provider Number | 2/10/15 | Text | ID Link to PV002 | varchar[30] | Service Provider Identification Number | Report the carrier / submitter assigned service provider number. This number should be the identifier used for internal identification purposes, and does not routinely change. The value in this field must match a record in the provider file in PV002. | All | 99% | A1 |
| SD | 95 | SD009 | Type of Claim | 2/10/15 | Lookup Table - Text | tlkpTypeOfClaim | char[3] | Type of Claim Indicator | Report the value that defines the type of claim submitted for payment. **EXAMPLE:** 001 = Professional Claim Line | All | 100% | A0 |
|  |  |  |  |  |  |  |  | ***Value*** | ***Description*** |  |  |  |
|  |  |  |  |  |  |  |  | 001 | Professional |  |  |  |
|  |  |  |  |  |  |  |  | 002 | Facility |  |  |  |
|  |  |  |  |  |  |  |  | 003 | Reimbursement Form |  |  |  |
| SD | 55 | SD010 | Revenue Code | 2/10/15 | External Code Source 14 - Numeric | External Code Source 14 - Revenue Code | char[4] | Revenue Code | Report the valid National Uniform Billing Committee Revenue Code here. Code using leading zeroes, left-justified, and four digits. | Required when SD009 = 002 | 98% | A0 |
| SD | 56 | SD011 | Procedure Code | 2/10/15 | External Code Source 9 - Text | External Code Source 9 - CPTs & HCPCS | varchar[10] | HCPCS / CPT Code | Report a valid Procedure code for the claim line as defined by MC130. | All | 98% | A1 |
| SD | 59 | SD012 | ICD-CM Primary Procedure Code | 2/10/15 | External Codes Source 8 - Text | External Code Source 8 - ICDCM Procedure Codes | varchar[7] | ICD Primary Procedure Code | Report the primary ICD CM procedure code when appropriate. Repeat this code on all lines of the inpatient claim. Do not code decimal point. | Required when SD009 = 002 | 55% | A2 |
| SD | 108 | SD013 | ICD Indicator | 2/10/15 | Lookup Table - Integer | tlkpICDIndicator | int[1] | International Classification of Diseases version | Report the value that defines whether the diagnoses on claim are ICD9 or ICD10. **EXAMPLE:**  9 = ICD9 | Required | 100% | A0 |
|  |  |  |  |  |  |  |  | ***Value*** | ***Description*** |  |  |  |
|  |  |  |  |  |  |  |  | 9 | ICD-9 |  |  |  |
|  |  |  |  |  |  |  |  | 0 | ICD-10 |  |  |  |
| SD | 43 | SD014 | Diagnosis | 2/10/15 | External Code Source 8 - Text | External Codes Source 8 - International Classification of Diseases | varchar[7] | ICD Diagnosis Code | Report here the ICD Diagnosis Code to be added or deleted from the claim. | All | 100% | A0 |
| SD | 108 | SD015 | Add/Delete Indicator | 2/10/15 | Lookup Table - Integer | tlkpAddIndicator | int[1] | Add/Delete Indicator | Report the value that defines whether the diagnosis reported is added or deleted from the claim. **EXAMPLE:**  A = ADD | Required | 100% | A0 |
|  |  |  |  |  |  |  |  | ***Value*** | ***Description*** |  |  |  |
|  |  |  |  |  |  |  |  | A | ADD |  |  |  |
|  |  |  |  |  |  |  |  | D | DELETE |  |  |  |
| SD | 249 | SD899 | Record Type | 2/10/15 | Text | ID File | char[2] | File Type Identifier | Report **SD**  here. This validates the type of file and the data contained within the file. This must match HD004nt . | All | 100% | A0 |
| TR-SD | 1 | TR001 | Record Type | 2/10/15 | Text | ID Record | char[2] | Trailer Record Identifier | Report **TR** here. Indicates the end of the data file. | Mandatory | 100% | TM |
| TR-SD | 2 | TR002 | Submitter | 2/10/15 | Integer | ID Submitter | varchar[6] | Trailer Submitter / Carrier ID defined by CHIA | Report the Unique Submitter ID as defined by CHIA here. This must match the Submitter ID reported in HD002. | Mandatory | 100% | TM |
| TR-SD | 3 | TR003 | National Plan ID | 2/10/15 | Integer | ID Nat'l PlanID | int[10] | CMS National Plan Identification Number (PlanID) | Do not report any value here until National PlanID is fully implemented. This is a unique identifier as outlined by Centers for Medicare and Medicaid Services (CMS) for Plans or Sub plans. | Situational | 0% | TS |
| TR-SD | 4 | TR004 | Type of File | 2/10/15 | Text | ID File | char[2] | Validates the file type defined in HD004. | Report **SD** here. This must match the File Type reported in HD004. | Mandatory | 100% | TM |
| TR-SD | 5 | TR005 | Period Beginning Date | 2/10/15 | Date Period - Integer | Century Year Month - CCYYMM | int[6] | Trailer Period Start Date | Report the Year and Month of the reported submission period in CCYYMM format. This date period must match the date period reported in HD005 and HD006. | Mandatory | 100% | TM |
| TR-SD | 6 | TR006 | Period Ending Date | 2/10/15 | Date Period - Integer | Century Year Month - CCYYMM | int[6] | Trailer Period Ending Date | Report the Year and Month of the reporting submission period in CCYYMM format. This date period must match the date period reported in TR005 and HD005 and HD006. | Mandatory | 100% | TM |
| TR-SD | 7 | TR007 | Date Processed | 2/10/15 | Full Date - Integer | Century Year Month Day - CCYYMMDD | int[8] | Trailer Processed Date | Report the full date that the submission was compiled by the submitter in CCYYMMDD Format. | Mandatory | 100% | TM |

Appendix – External Code Sources

**8. International Classification of Diseases 9 & 10**

**American Medical Association**

[**http://www.ama-assn.org/**](http://www.ama-assn.org/)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **SD012** |  |  |  |  |  |

**9. HCPCS, CPTs and Modifiers**

**American Medical Association**

[**http://www.ama-assn.org/**](http://www.ama-assn.org/)

|  |
| --- |
| **SD011** |

**14. Standard Facility Billing Elements**

**National Uniform Billing Committee (NUBC)**

[**http://www.nubc.org/**](http://www.nubc.org/)

|  |
| --- |
| **SD010** |

 The Commonwealth of Massachusetts

Center for Health Information and Analysis

Center for Health Information and Analysis

501 Boylston Street  
Boston, MA 02116

Phone: (617) 701-8100  
Fax: (617) 727-7662

Website: [www.chiamass.gov](http://www.chiamass.gov)

Publication Number:   
Authorized by , State Purchasing Agent

This guide is available online at [www.chiamass.gov](http://www.chiamass.gov) .

When printed by the Commonwealth of Massachusetts, copies are printed on recycled paper.