



MA Center for Health Information & Analysis

Case Mix User Workgroup

May 23, 2017

Agenda



- Announcements
 - Update on the status of Case Mix FY15/FY16
- User Questions
- Q&A

Case Mix FY15 Release Update



CURRENT RELEASE TIMEFRAMES FOR EACH FILE:

- Inpatient (HIDD)
COMPLETE
- Emergency Department (ED)
COMPLETE
- Outpatient Observation (OOD)
COMPLETE

Case Mix FY16 Release Calendar



CURRENT RELEASE TIMEFRAMES FOR EACH FILE:

- Inpatient (HIDD)
JUNE
- Emergency Department (ED)
AUGUST
- Outpatient Observation (OOD)
SEPTEMBER

Case Mix Application Process



Recap of Changes for 2017:

- Now charge **per year** of data requested
- Can now request **future years of data**
 - Future years require no DRC review, absent major changes to the project or data being requested
- Can request to use data for one project for a **subsequent project**
- Comprehensive DUAs for each organization (will cover all projects instead of multiple DUAs for each specific project)

Revised Data Release Process



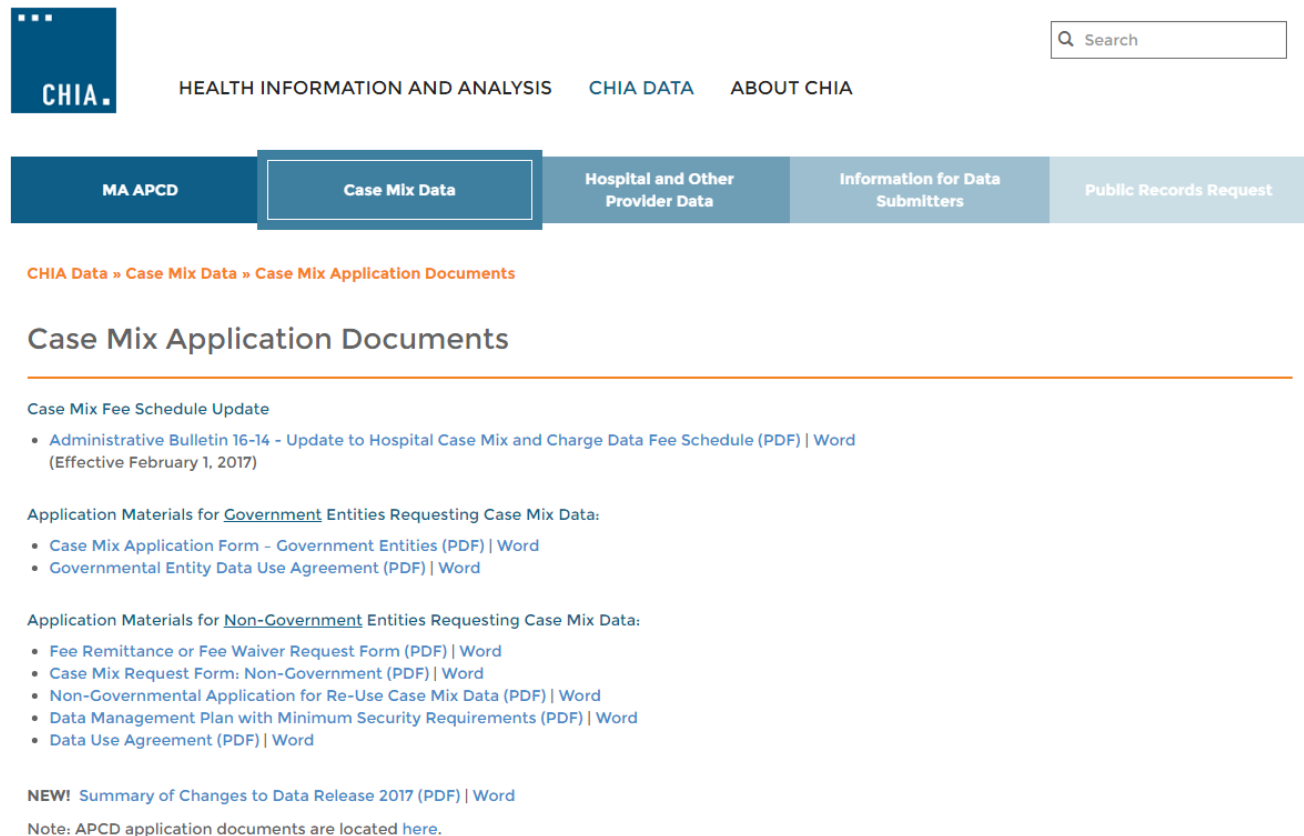
Applicants can now request FUTURE YEARS OF DATA

- Initial project requires Data Privacy Committee and Data Release Committee review
- Additional years (up to 5 years) or release versions of data will be released *upon availability* and the Recipient's completion of a Certificate of Continued Need (Exhibit B of the revised DUA)
- No additional review required for these additional years of data
- Normal data fees still apply

Revised Non-Gov't Application Forms

CHIA.

Posted here: <http://www.chiamass.gov/case-mix-application-documents/>



The screenshot shows the CHIA website interface. At the top right is a search bar with the text "Search". Below the search bar is a navigation menu with the following items: "HEALTH INFORMATION AND ANALYSIS", "CHIA DATA", and "ABOUT CHIA". Below the navigation menu is a horizontal menu with five items: "MA APCD", "Case Mix Data" (which is highlighted with a white border), "Hospital and Other Provider Data", "Information for Data Submitters", and "Public Records Request". Below the horizontal menu is a breadcrumb trail: "CHIA Data » Case Mix Data » Case Mix Application Documents". The main heading is "Case Mix Application Documents". Below the heading is a section titled "Case Mix Fee Schedule Update" with a bullet point: "Administrative Bulletin 16-14 - Update to Hospital Case Mix and Charge Data Fee Schedule (PDF) | Word (Effective February 1, 2017)". Below this is a section titled "Application Materials for Government Entities Requesting Case Mix Data:" with two bullet points: "Case Mix Application Form - Government Entities (PDF) | Word" and "Governmental Entity Data Use Agreement (PDF) | Word". Below this is a section titled "Application Materials for Non-Government Entities Requesting Case Mix Data:" with five bullet points: "Fee Remittance or Fee Waiver Request Form (PDF) | Word", "Case Mix Request Form: Non-Government (PDF) | Word", "Non-Governmental Application for Re-Use Case Mix Data (PDF) | Word", "Data Management Plan with Minimum Security Requirements (PDF) | Word", and "Data Use Agreement (PDF) | Word". At the bottom is a section titled "NEW! Summary of Changes to Data Release 2017 (PDF) | Word" and a note: "Note: APCD application documents are located here."

Application Reminders



- Applicants should not use “de-identified” in their application in referring to the data received from CHIA. CHIA datasets are not de-identified as the term is defined by HIPAA.
- Also, make sure your IRB approval is valid for the period you intend to use the data.
- Please remember your application documents must be **signed** by the appropriate people when you submit them on IRBNet.



QUESTIONS?



QUESTIONS SUBMITTED BY USERS

Question: What is the difference between the Primary and Secondary Payer Type and Payer Source fields in the Case Mix data and where do I find the look-up values?



Answer: This is one of most common questions CHIA receives from first time users of the case mix data. **Payer Types** are 22 categories used to classify the delivery coverage

Table 1. Case Mix Payer Type Codes and Definitions

Code	Payer Type Definition
1	Self Pay
2	Worker's Compensation
3	Medicare
F	Medicare Managed Care
4	Medicaid
B	Medicaid Managed Care
5	Other Government Payment
6	Blue Cross
C	Blue Cross Managed Care
7	Commercial Insurance
D	Commercial Managed Care
8	HMO
9	Free Care
0	Other Non-Managed Care Plans
E	PPO and Other Managed Care Plans Not Elsewhere Classified
H	Health Safety Net
J	Point-of-Service Plan
K	Exclusive Provider Organization
T	Auto Insurance
N	None (Valid only for Secondary Payer)
Q	Commonwealth Care/ConnectorCare Plans
Z	Dental Plans

plan for health care payers in Massachusetts (see **Table 1**).

In the case mix data, the Primary Payer Type and Secondary Payer Type must be compatible with Primary Payer Source and Secondary Payer Source.

If Medicaid is one of two payers, Medicaid will be coded as the secondary Payer Type and secondary Payer Source *unless Free Care is the secondary type and source of payment.*

Answer (continued): The **Payer Source** is name of the health plan or program through which the patient (health plan policy holder) reimburses the health care provider. A look-up table of Payer Source codes and associated health plan names is available on CHIA’s website at:



<http://www.chiamass.gov/assets/docs/p/case-mix/Payer-Source-Codes-2007-2017.xlsx>

This online table includes 347 codes and names for health plans used in case mix data from 2007 through present. If Medicaid is one of two payers, Medicaid is coded as the secondary source of payment unless Free Care is the source of payment. There are also certain supplemental “fill-the-gap” plans that cover parts of medical expenses and are valid only as secondary source of payment (**See Table 2**).

Table 2. Supplemental Plans Valid Only as Secondary Source of Payment

Payer Source Code	Payer Source Name	Payer Type Code	Payer Type Definition
127	Medicare HMO -Health New England Medicare Wrap	F	Medicare Managed Care
128	Medicare HMO -HMO Blue for Seniors	F	Medicare Managed Care
129	Medicare HMO-Kaiser Medicare Plus Plan	F	Medicare Managed Care
131	Medicare HMO-Pilgrim Enhance 65	F	Medicare Managed Care
133	Medicare HMO -Tufts Medicare Supplement (TMS)	F	Medicare Managed Care
136	BCBS Medex	6	Blue Cross
137	AARP/Medigap Supplement	7	Commercial Insurance
138	Banker’s Life and Casualty Insurance	7	Commercial Insurance
139	Bankers Multiple Line	7	Commercial Insurance
140	Combined Insurance Company of America	7	Commercial Insurance
141	Other Medigap (not listed elsewhere)	7	Commercial Insurance
200	Hartford Life Insurance co.	7	Commercial Insurance
201	Mutual of Omaha	7	Commercial Insurance
202	New York Life Insurance Company	7	Commercial Insurance
210	Medicare HMO-Pilgrim Preferred 65	F	Medicare Managed Care
211	Neighborhood Health Plan Senior Health Plus	F	Medicare Managed Care
212	Medicare HMO - Healthsource CMHC Central Care Supplement	F	Medicare Managed Care



Question: What new Diagnosis-Related Group (DRG) versions will be available with FY2016 Inpatient Hospital Discharge Data?

Answer: In addition to APR-DRG Version 20.0, APR-DRG Version 26.1, APR-DRG Version 30.0, new DRGs included will be **APR-DRG Version 34.0** and Version 33.0 annual update to the CMS-DRG (see **Table 1 below**).

Table 1. DRG Versions Available in FY2009 through FY2016 Inpatient Hospital Discharge Data

HDD Fiscal Year	APR-DRG Version 20	APR-DRG Version 26.1	APR-DRG Version 30	APR-DRG Version 34	CMS-DRG Version 26	CMS-DRG Version 27	CMS-DRG Version 28	CMS-DRG Version 29	CMS-DRG Version 30	CMS-DRG Version 31	CMS-DRG Version 32	CMS-DRG Version 33
2016	X	X	X	X								X
2015	X	X	X								X	
2014	X	X	X							X		
2013	X	X	X					X				
2012	X	X	X					X				
2011	X	X	X				X					
2010	X	X	X			X						
2009	X	X	X		X							

APR-DRG Version 34.0 contains all of the classifications available in previous APR-DRG versions with 7 new classification DRG classifications (see **Table 2 below**).

Table 2. Seven New DRG Classification Codes added to 3M's update to APR-DRG 34

DRG	DRG Code Description
181	Lower extremity arterial procedures
182	Other peripheral vascular procedures
322	Shoulder and elbow joint replacement
469	Acute Kidney Injury
470	Chronic Kidney Disease
695	Chemotherapy for acute leukemia
696	Other Chemotherapy

Question: Does CHIA still create DRG's using 15 Diagnosis Codes?



Answer: In the FY2016 Inpatient Hospital Discharge Data, CHIA used all diagnosis codes in the discharge record to calculate the DRG in alignment with the lifting of the limit in the case mix filing specifications on the number of diagnosis codes submitted CHIA to accommodate ICD-10-CM/PCS.

CHIA IT ran several tests and found that the lifting of the limit demonstrated improved accuracy in the severity of illness and risk of mortality noted for patients with a discharge status code of 20 (expired). Also, in comparing 15 diagnosis to unlimited diagnosis, some unspecific DRGs, such as ***other nervous system and related disorders***, were reassigned to more clinically specific DRGs, such as ***multiple sclerosis and other demyelinating diseases***.

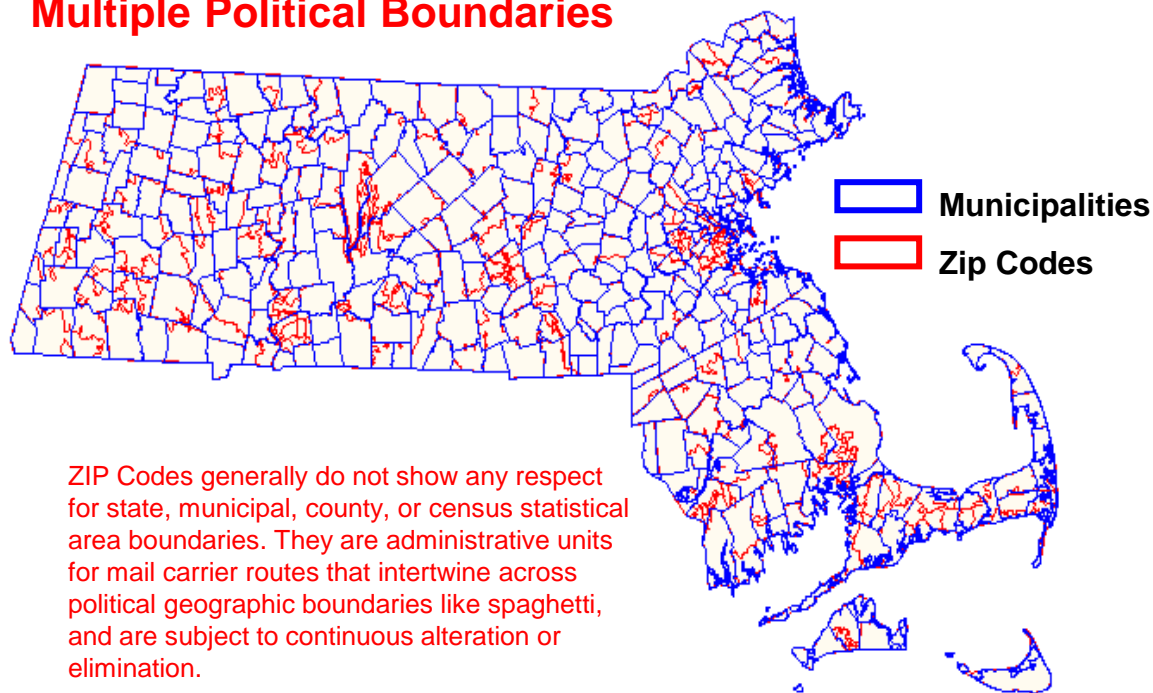
Question: What is the Difference between 3-Digit and 5-Digit Population Counts?

Answer: Many researchers request 5-Digit ZIP for the purposes of linking with the Census ZIP Code Tabulation areas. **The Census Bureau records 550 ZIP Code Tabulation Areas (ZCTA) for Massachusetts.** The population for the smallest ZCTA requires cell suppression. The largest ZCTA is 02301 (Brockton) which has a ZCTA population of 61,025. Both the ZCTA 3-Digit and the MassGIS quarterly update from US Postal Service for Massachusetts 3-Digit ZIP Code contain 18 grouping with the largest population (1,283,942) in 021 and the smallest population (28,215) in 022 (see Table 1 below) .

Table 1. MA 3-Digit ZIP Code Populations

ZIP CODE	3-Digit Population
010	469,375
011	168,835
012	130,689
013	83,111
014	211,812
015	373,719
016	188,402
017	379,027
018	713,126
019	476,314
020	400,371
021	1,283,942
022	28,215
023	441,063
024	408,771
025	116,621
026	147,883
027	526,336

Always Keep in Mind that Zip Codes Cut Across Multiple Political Boundaries



Questions?



- Questions related to APCD :
(apcd.data@state.ma.us)
- Questions related to Case Mix:
(casemix.data@state.ma.us)

REMINDER: Please include your **IRBNet ID#**, if you currently have a project using CHIA data

Where can I find old User Workgroup presentations?



<http://www.chiamass.gov/ma-apcd-and-case-mix-user-workgroup-information/>

[CHIA Data](#) » [MA APCD](#) » [MA APCD and Case Mix User Workgroup Information](#)

MA APCD and Case Mix User Workgroup Information

These webinar workgroups bring together users of CHIA's APCD and Case Mix data with CHIA's in-house experts to discuss analytical techniques, issues with the data, and quality of the data. CHIA also uses these webinars to make announcements regarding new data releases, enhancements, and features. Each meeting features a segment where CHIA staff answer common questions from data users and field live questions from webinar participants.

Please register for one or both of these separate registration links. All meetings take place on Tuesday afternoons at 3:00 p.m.

Case Mix Workgroup Meeting Dates
NEXT MEETING Tuesday, March 28, 2017 3:00 PM - 4:00 p.m.
Case Mix Workgroup Registration

MA APCD Workgroup Meeting Dates
NEXT MEETING Tuesday, April 25, 2017 3:00 PM - 4:00 p.m.
MA APCD Workgroup Registration

Previous MA APCD / Case Mix Meeting Materials

MA APCD Tuesday, February 28, 2017

- [Presentation \(PDF\) | PPT](#)

Case Mix Tuesday, January 24, 2017

- [Presentation \(PDF\) | PPT](#)

Call for Topics and Presenters



If there is a **TOPIC** that you would like to see discussed at an MA APCD or Case Mix workgroup, contact Adam Tapply [adam.tapply@state.ma.us]

If you are interested in **PRESENTING** at an MA APCD or Case Mix workgroup, contact Adam Tapply [adam.tapply@state.ma.us]

You can present remotely from your own office, or in-person at CHIA.