

CHIA User Workgroup

Donald Kirkwood, Manager of Data Release and Procurement

Anne Medinus, Senior Research Account Specialist

Sylvia Hobbs, Associate Director of Data Strategy and User Support

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Agenda

➤ **Announcements:**

- FY2023 Case Mix Release Update
- Case Mix Documentation and Release Notes
- MA APCD Releases CY2021 and CY2022
- Update to the MA APCD Application

➤ **Website Updates**

- How to Check the Status of Your Release
- Data Applications Received and Commenting
- Past User Support Presentations

➤ **User Support Questions**

- Site of Service for Prison/Correctional Facility Healthcare
- Doulas
- Insect Activity and Climate Change

➤ **Q&A**

Announcements

Case Mix FY2023 Release



***NEW* RELEASE AVAILABLE FOR THE FOLLOWING FILE:**

- Hospital Inpatient Discharge Data (HIDD)

FY2023 Now Available for Request

- Applicants with *approved projects* using previous years data (e.g., FY 2022, FY2021) that require newly available year(s) of case mix data (e.g., FY 2023) should submit to CHIA a completed Exhibit B (*Certificate of Continued Need and Compliance*) of the Data Use Agreement. After submitting a completed Exhibit B you will receive an invoice (if applicable) for the requested data. Upon payment of the invoice the order for the data will be placed.

Case Mix Release Documentation

Review Documentation and Release Notes

Data users are advised to review CHIA's comprehensive case mix documentation manuals and release notes which provide information on data quality issues connected with certain data elements and includes background on the database's development and the DRG Groupers. The release notes also contains hospital-reported discrepancies received in response to the data verification process. Also, twenty-four years of historical documentation are available online on the documentation archive website

<https://www.chiamass.gov/case-mix-data/>

Case Mix Documentation

Hospital Inpatient Discharge Database (HIDD)

- [FY23 Documentation Manual \(PDF\)](#) | [Word](#)
- [FY23 Release Notes \(PDF\)](#) | [Word](#)

Emergency Department Database (EDD)

- [FY22 Documentation Manual \(PDF\)](#) | [Word](#)
- [FY22 Release Notes \(PDF\)](#) | [Word](#)
(Updated 2/13/2024)

Outpatient Observation Database (OOD)

- [FY22 Documentation Manual \(PDF\)](#) | [Word](#)
- [FY22 Release Notes \(PDF\)](#) | [Word](#)

[Case Mix Documentation Archive](#)



<https://www.chiamass.gov/case-mix-data-documentation-archive/>



The documentation archive contains outpatient emergency department, outpatient observation stay, and hospital inpatient discharges documents dating back to fiscal year 2000.

MA APCD CY2021 and CY2022 Releases



CY2021 and CY2022 Available for Request

- **CY 2021 Data** which includes medical, pharmacy, and dental claims incurred between **January 1, 2017, and December 31, 2021, and it includes six (6) months of run-out (paid claims through June 30, 2022)** and the new **CY 2022 Data** which includes claims incurred from **January 1, 2018, through December 31, 2022, and includes six (6) months of run-out (paid claims through June 30, 2023)** are available for request. In addition to claims data, the releases contain relevant reference files including member eligibility, providers, products, and benefit plans. This data encompasses public and private payers as well as fully-insured and self-insured plans. Keep in mind that due to the Supreme Court decision, *Gobeille v. Liberty Mutual*, the self-insured plans are severely reduced starting in 2016. The releases also includes MassHealth Medicaid data.
- Applicants with *approved projects* that require updated MA APCD data (CY 2021 Data or CY2022) should submit to CHIA a completed Exhibit B (*Certificate of Continued Need and Compliance*) of the Data Use Agreement. After submitting a completed Exhibit B, you will receive an invoice (if applicable) for the requested data. Upon payment of the invoice the order for the data will be placed.
- The new CY 2022 MA APCD Documentation Guide and Release Notes are available on CHIA's website for your review before using the data. The CY2021 MA APCD Documentation are available online in the documentation archive.

<https://www.chiamass.gov/ma-apcd/>

MA APCD Calendar Year 2022 Documentation

- MA APCD CY 2022 Documentation Guide
- MA APCD CY 2022 Release Notes
- MA APCD Government Data Specifications Workbook
- MA APCD Non-Gvnt. Data Specifications Workbook (Limited Data Set-LDS)
- MA APCD CY 2022 MPI Data Exclusion Overview
- MA APCD Master Patient Index

MA APCD Documentation Archive

Updates to the MA APCD Application

When applying for CHIA data, always check the website to download and use the most recent version of the data request application. For example, the MA APCD application was last revised in December 2023 to update the full year date ranges available for purchase.

See application excerpt below.

V. DATASETS REQUESTED

The Massachusetts All-Payer Claims Database (“APCD”) is comprised of medical, pharmacy, and dental claims and information from the member eligibility, provider, and product files that are collected from health insurance payers licensed to operate in the Commonwealth of Massachusetts. This information encompasses public and private payers as well as data from fully-insured and self-insured plans. APCD data are refreshed and updated annually and made available to approved data users. For more information about APCD Data, including available years of data and a full list of elements in the database please refer to layouts, data dictionaries and similar documentation included on [CHIA’s website](#).

Data requests are typically fulfilled on a one time basis, however; certain Projects may require future years of data that will become available in a subsequent release. Projects that anticipate a need for future years of data may request to be considered for a subscription. Approved subscriptions will receive, upon request, the same data files and data elements included in the initial Release annually or as available. Please note that approved subscription requests are subject to the Data Use Agreement, and subject to the limitation that the Data can be used only in support of the approved Project.

1. Please indicate below whether this is a one-time request, or if the described Project will require a subscription.
 One-Time Request **OR** Subscription
2. CHIA is currently filling requests for claims data from 2016 to 2022. Requests made outside of these years may not be fulfilled by CHIA and will be considered on a case-by-case basis. Please specify the years of data that are being requested: _____.



Updates to the MA APCD Application (continued)

In addition, the December 2023 revision to MA APCD application specifies that the member ZIP code geographic data is now only released at the level of one ZIP code per person per year based on the member's ZIP code reported in the member's earliest submission year month.

See application excerpt below.

Exhibit A: CHIA Government All-Payer Claims Data Application

December 2023

ZIP code and state geographic subdivisions are available for Massachusetts residents and providers only. Small population ZIP codes are combined with larger population ZIP codes. One ZIP Code per person (MEID) per year has been assigned based on the ZIP code/state reported in the member eligibility record's earliest submission year month. If the record does not have an MEID, assignment is based on distinct OrgID/Carrier Specific Unique Member ID.

Non-Massachusetts ZIP codes and state codes except for CT, MA, ME, NH, NY, RI, and VT are suppressed.



Website Updates

How to Check the Status of Your Release

You can visit the CHIA website <http://www.chiamass.gov/status-of-data-requests/> to check the status of data extracts and releases. The status website has drop down menus, as shown below, which allow you to narrow your search by request number, applicant type, and extract type.

File Extract Requests in Process

This information was updated on: 6/20/2024

Status of Data Extract Requests

Request No. All, Applicant Type All, Data Type All

Priority Number	Request Number	Applicant Type	Extract Type	Status
Null	C1060	Non Government	CaseMix HDD	Complete
	C1061	Non Government	CaseMix HDD	Complete
	C1123	Non Government	CaseMix HDD	Complete
	M124	Government	Medicare	Complete
1	A426	Non Government	APCD	In Process
	A427	Non Government	APCD	In Process
2	A437	Non Government	APCD	In Process
	A438	Non Government	APCD	In Process
3	A440	Non Government	APCD	Pending
	C1066	Non Government	CaseMix HDD	Pending
4	C1067	Non Government	CaseMix EDD	Pending
	C1068	Non Government	CaseMix OOD	Pending
	C1069	Non Government	CaseMix HDD	Pending
	C1070	Non Government	CaseMix EDD	Pending
	C1071	Non Government	CaseMix OOD	Pending
	C1072	Non Government	CaseMix HDD	Pending
	C1073	Non Government	CaseMix EDD	Pending
	C1074	Non Government	CaseMix OOD	Pending
	C1075	Non Government	CaseMix HDD	Pending
	C1076	Non Government	CaseMix EDD	Pending
	C1077	Non Government	CaseMix OOD	Pending

Applicant Type

- (All)
- Government
- Non Government

Include Values

Exclude Values

Request Number

Applicant Type

(All)

Extract Type

(All)

Status

Complete

In Process

Pending

Instructions:

Please use the drop down menu items to narrow your data selection.

To find a specific Data Request:

- 1) Ensure that all field options are on "All" status
- 2) Type in your Application Number in the "Request Number" field and hit Return/Enter
- 3) Click on the "x" to clear the field

Extract Type

- (All)
- APCD
- CaseMix OOD
- CaseMix EDD
- CaseMix HDD

Data Applications Received and Commenting

You can visit the CHIA website <https://www.chiamass.gov/apcd-application-received-and-commenting/> to check non-government applications received, awaiting public comments, and approved.

Applications Open for Comment				
Primary Investigator	Organization	Project Title	Date Posted	Comment
-	-	-	-	Email

Recent MAAPCD Applications				
Applicant	Organization	Project Title	Close Date	Status
Meredith B. Rosenthal, C. Boyden Gray Professor of Health Economics and Policy	President and Fellows of Harvard College (through the School of Public Health)	Expanding the Evidence for Policy on Vertical Integration in Health Care	May 14, 2024	Approved
Peter Horman, Consulting Chief Actuary	HCFA Mass	Value Based Insurance Analysis	April 19, 2024	Approved
Vidya Sundar, Associate Professor	University of New Hampshire	Long-COVID and Disabilities Project – Claims Analysis	April 19, 2024	Approved
Ron Berman, Associate Professor of Marketing	University of Pennsylvania	Impact of Price Transparency on Healthcare Prices	December 14, 2023	Approved
Janice F. Lalikos, MD, Professor of Surgery and Pediatrics	University of Massachusetts Chan Medical School, Division of Plastic and Reconstructive Surgery	Closing the Gap: Examining Insurance Coverage for Gender-Affirming Surgeries in Massachusetts	December 14, 2023	Approved
Jennifer P. Stevens, MD, MS , Director, Center for Healthcare Delivery Science,	Beth Israel Deaconess Medical Center	Analyzing outcomes related to transitions in care	December 14, 2023	Approved

Past User Support Presentations Online

You can visit the CHIA website <http://www.chiamass.gov/ma-apcd-and-case-mix-user-workgroup-information/> to access past user support webinar presentations and other user support materials.

CHIA Data User Workgroup Meeting Presentations

2024 Schedule and Presentations	
Tuesday, January 23, 2024 <ul style="list-style-type: none">• Presentation (PDF) PPT	Tuesday, February 27, 2024 <ul style="list-style-type: none">• Presentation (PDF) PPT
Tuesday, March 26, 2024 <ul style="list-style-type: none">• Presentation (PDF) PPT	Tuesday, April 23, 2024 <ul style="list-style-type: none">• Webinar cancelled
Tuesday, May 28, 2024 <ul style="list-style-type: none">• Presentation (PDF) PPT	Tuesday, June 25, 2024 <ul style="list-style-type: none">• <i>Presentations are posted shortly after each meeting.</i>

- [See archive of previous presentations](#)

USER SUPPORT MATERIALS

Linking Claims Data to Member Eligibility ZIP Code Data (March 2023)

- [Claims Linkage to ME One ZIP Code per Year Table \(PDF\) | PPT](#)

User Support Questions

Question: Does the MA APCD contain data on prison healthcare?

Answer: The medical claims file contains a field called “**Site of Service - on NSF/CMS 1500 Claims**” (MC037) where carriers are asked to report the two-digit value that defines the Place of Service on a professional claim. Populating this field is required when **MC094 (Type of Claim)** equals code ‘001’ for professional claim.

One of the two-digit coding values for MC037 is code ‘09’. The MA APCD medical claims contains records using this code.

- **Code 09 is used when the site of service is a “Prison/Correctional Facility.** A prison, jail, reformatory, work farm, detention center, or any other similar facility maintained by either Federal, State or local authorities for the purpose of confinement or rehabilitation of adult or juvenile criminal offenders.”

Tangentially related, the MA APCD provider table contains a taxonomy code field (PV022) where carriers report “the standard code that defines this provider for this line of service. Taxonomy values allow for the reporting of many types of clinicians, assistants and technicians, where applicable, as well as Physicians, Nurses, Groups, Facilities, etc.” There is a provider taxonomy code field ‘**173000000X**’. The MA APCD provider table contains records using this code.

- **Taxonomy code 173000000X**’ is used when the provider’s specialty is associated with legal medicine including **Forensic Pathology** (e.g. performing autopsies, collecting and analyzing evidence in criminal and civil cases); **Clinical Forensic Medicine** (e.g. evaluating injuries in cases of assault, abuse, or accidents and providing medical care to individuals in custody, assessing the competency and mental state of individuals involved in legal proceedings); **Forensic Toxicology** (e.g. analyzing biological samples and interpreting toxicological findings for legal investigations); **Medical-Legal Consultation** (e.g. advising legal professionals on standard of care and potential malpractice); **Public Health and Epidemiology** (e.g. investigating the legal implications of disease outbreaks and legal aspects of public health interventions).

Question: Does the MA APCD contain data on Doula providers?



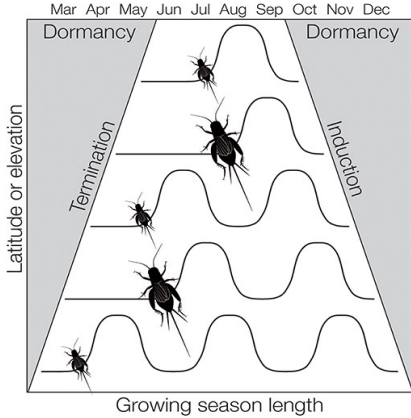
Answer: Only 2.1% of the Massachusetts area Doulas listed in the CMS National Plan and Provider Enumeration System NPI Registry are in the MA APCD. There is a specific taxonomy code for Doulas.

- The taxonomy code **374J000000X** is for Doulas, classified under Nursing Service-Related Providers who offer continuous physical, emotional, and informational support to a mother before, during, and shortly after childbirth.

However, not all Doulas use this taxonomy code. The different taxonomy codes for providers whose entity name includes Doula and who have an NPI are:

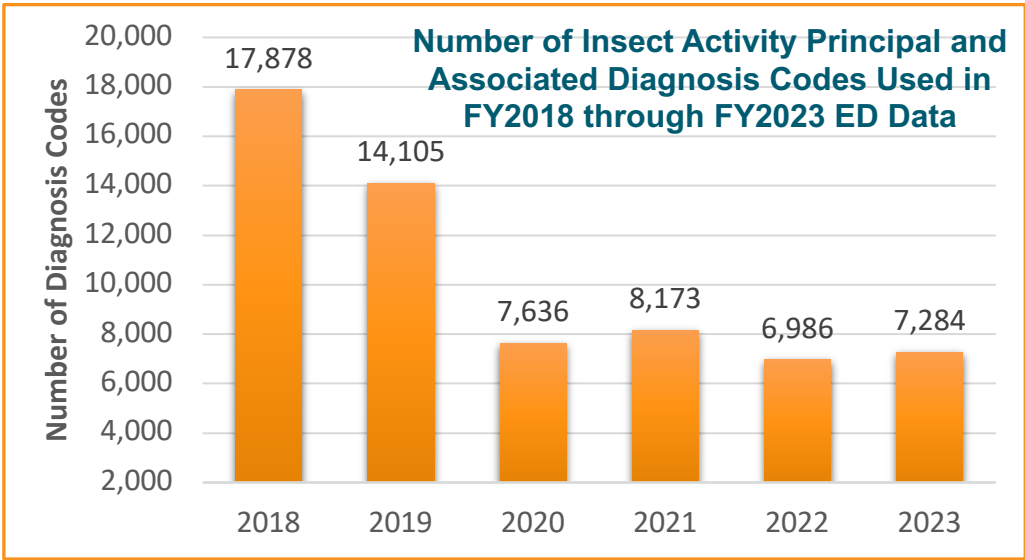
- 374J000000X - Doula
- 174H000000X - Health Educator
- 171W000000X - Contractor
- 1934000000X - Single Specialty Group
- 1932000000X - Multi-Specialty Group
- 172V000000X - Community Health Worker
- 171M000000X - Case Manager/Care Coordinator

Question: As part of my climate change study, I would like to use the outpatient emergency department (ED) to analyze the association between warmer and wetter weather conditions with any decrease or insect activity. Is there a meaningful volume of data related to insect activity in the ED data?



Answer: From FY2018 through FY2023, there have been 1,983 distinct ICD-10-CM codes used in the ED data for health effects of insect related activity. It is important to note that much of the data is attributable to granularity afforded by ICD-10-CM in coding specificity describing the exact anatomic location and laterality, and initial or subsequent episode of care for insect bites. Beyond insect bites, additionally the following ICD-10-CM diagnosis codes have been used which encompass a variety of infectious diseases potentially transmitted by arthropods, including mosquitoes and ticks, which serve as vectors for viral pathogens.

DX Code	Description
■ A938	Other specified arthropod-borne viral fevers
■ A90	Dengue fever [classical dengue]
■ A920	Chikungunya virus disease
■ A848	Other tick-borne viral encephalitis
■ A849	Tick-borne viral encephalitis, unspecified
■ A9230	West Nile virus infection, unspecified
■ A832	Eastern equine encephalitis
■ A925	Zika virus disease
■ A984	Ebola virus disease
■ A94	Unspecified arthropod-borne viral fever



When is the next User Group meeting?

- The next User Group will meet Tuesday July 23, 2024.
- <http://www.chiamass.gov/ma-apcd-and-case-mix-user-workgroup-information/>

Questions?

- Questions related to MA APCD email:
apcd.data@chiamass.gov
- Questions related to Case Mix email:
casemix.data@chiamass.gov



REMINDER

CHIA still receives a high volume of email from data users who do not include their IRBNet ID. If you are in the process of or have already submitted a data application to CHIA through IRBNet <https://www.irbnet.org/release/home.html>, due to the volume of email CHIA receives, please remember to always include your IRBNET ID# in the subject line of your email. Doing so facilitates tracking your application and expediting responses to any questions.