CHIA USER WORKGROUP

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Agenda

➢ Announcements:
- ▪ APCD Release CY 2021 Updates
- ▪ FY21 Case Mix Release Projections

➢ Website Updates

➢ User Support Questions
- ➢ Primary Care Providers
- ➢ Filtering for Accepting New Patients
- ➢ Provider Specialty Search Tools
- ➢ Pharmacy Claims Date Fields

➢ Q&A

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MA APCD CY 2021

- Available for request
- Applicants with *approved projects* that require updated APCD data (CY 2021 Data) 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.
- **CY 2021 Data** includes data on services from January 2017 – December 2021 with six months of claim runout.

Case Mix FY21 Release

CURRENT RELEASE TIMEFRAMES FOR EACH FILE:

- Inpatient (HIDD)

    Available for request

- Emergency Department (ED)

    Available for request

- Outpatient Observation (OOD)

    Available for request

- Applicants with *approved projects* that require newly available year(s) of Case Mix Data (e.g., FY 19) 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.

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Website Release Updates

- Updates on the production of APCD and Case Mix databases and status of data requests are now posted to CHIA's website!
  - ➤ **Aim #1** is to provide weekly or bi-weekly status update on CHIA data products as they are in development.
  - ➤ **Aim #2** is to provide applicants with information about expected fulfillment status for individual data requests.
  - ➤ Request IDs will be communicated to Data Requestors via email.

- Please visit http://www.chiamass.gov/status-of-data-requests/ to see the current status of releases.
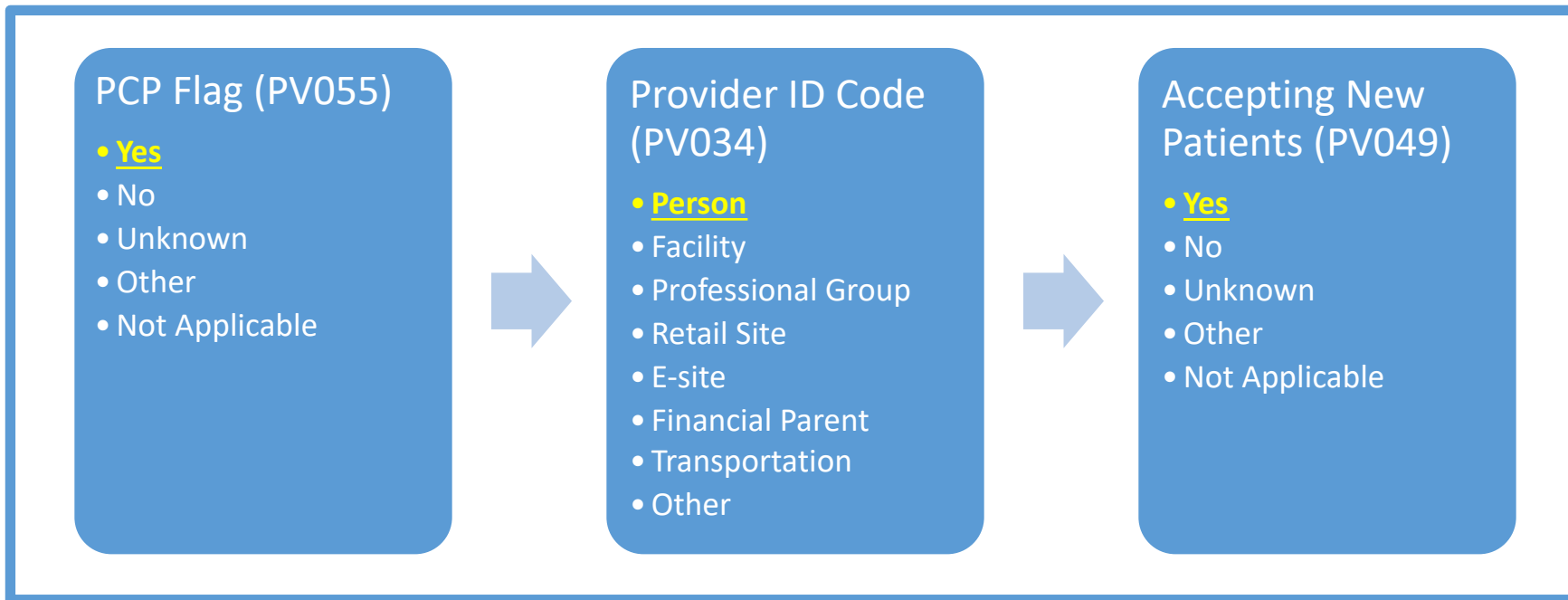
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USER QUESTIONS

Question: To what extent can the MA APCD provider data be used to determine changes over time in the volume of primary care providers (PCPs) accepting new patients? I understand that some insurance carriers require members to select a PCP. Likewise, for insurance carriers not requiring PCP selection, the carriers can attribute a PCP to a member based on their own attribution method. Can these fields be used to determine changes in the volume of attributed PCPs accepting new patients?

Accepting New Patients

Answer: The MA APCD provider data table has a field called, "**PCP Flag**" (**PV055**). The filing condition for the PCP Flag field is if the "**Provider ID Code**" (**PV034**) is a "Person". The provider table also has a field called "**Accepting New Patients**" (**PV049**). The filing condition associated with reporting data in the "**Accepting New Patients**" field is when the "Provider ID Code" (**PV034**) is a "**person**" (i.e., physician, clinician, orthodontist, or any individual licensed/certified to perform health care services), a "**facility**" (i.e., hospital, health center, long term care, rehabilitation or any building that is licensed to transact health care services), or a "**professional group**" (i.e., collection of licensed/certified health care professionals practicing health care services under the same entity name and Federal Tax Identification Number). Figure 1 below lists the coding options for the **PCP Flag, Provider ID Code**, and **Accepting New Patients** fields. These fields can be used to determine PCPs accepting new patients and filtered by **State Code** (**PV019**) for Massachusetts providers, by **Provider Taxonomy** (**PV022**) (i.e., Family Medicine, Pediatrics, Internal Medicine, General Practice, Geriatrics) by count of distinct **National Provider Ids** (**PV039**).

Figure 1. Flowchart of MA APCD Provider Table Fields for Analysis of Accepting New Patients

PCP Flag (PV055)
- **Yes**
- No
- Unknown
- Other
- Not Applicable

Provider ID Code (PV034)
- **Person**
- Facility
- Professional Group
- Retail Site
- E-site
- Financial Parent
- Transportation
- Other

Accepting New Patients (PV049)
- **Yes**
- No
- Unknown
- Other
- Not Applicable

Answer (continued) *It is important to note that carriers submit data on all providers, both active and inactive, excluding inactives prior to January 2015. Therefore, when analyzing providers by submission year and carrier, filter for carrier specific* **End Dates** (PV038) *that are either null or greater than the year you are studying. The quality of data on the number of providers accepting new patients varies from year to year. For example, Figures 2 and 3 below depict the volume of Massachusetts Family Physicians (taxonomy code 207Q00000X) and Internal Medicine Physicians (taxonomy code 207R00000X) accepting new patients. Decreases in the volume of providers coded as 'Yes' for accepting new patients are paralleled by increases in the use of the coding option 'Unknown'. Also, due to the lack of Medicare fee-for-service data in the MA APCD, there could be a lower volume of family physicians who specialize in geriatrics in the provider data. For any current year of data, the Massachusetts Board of Registration in Medicine's interactive website and the American Medical Association's Interactive website can be used to gauge provider volume differences with the MA APCD.*

Accepting New Patients

Figure 2. MA APCD Provider Data on Massachusetts Family Physicians Accepting New Patients
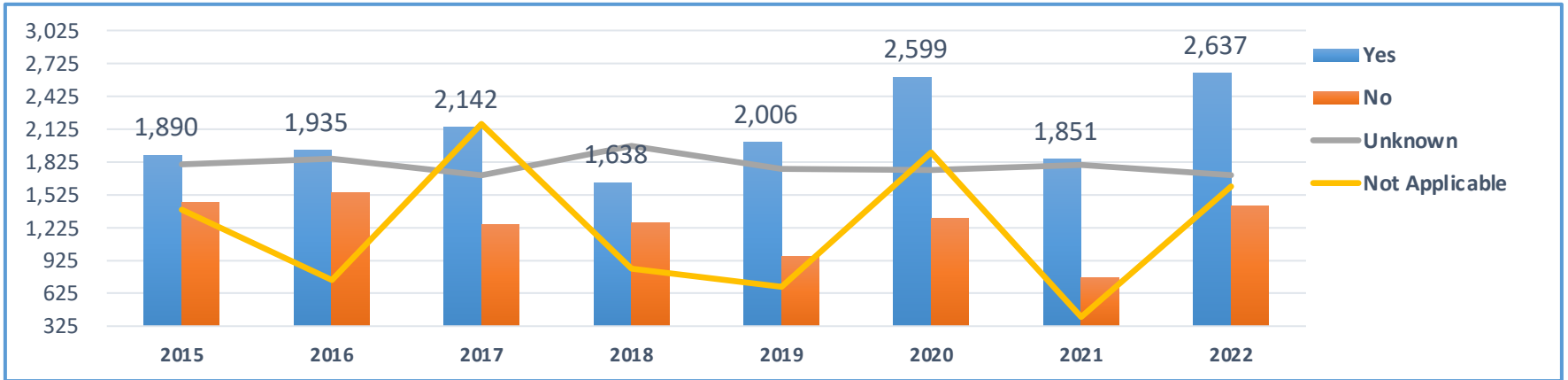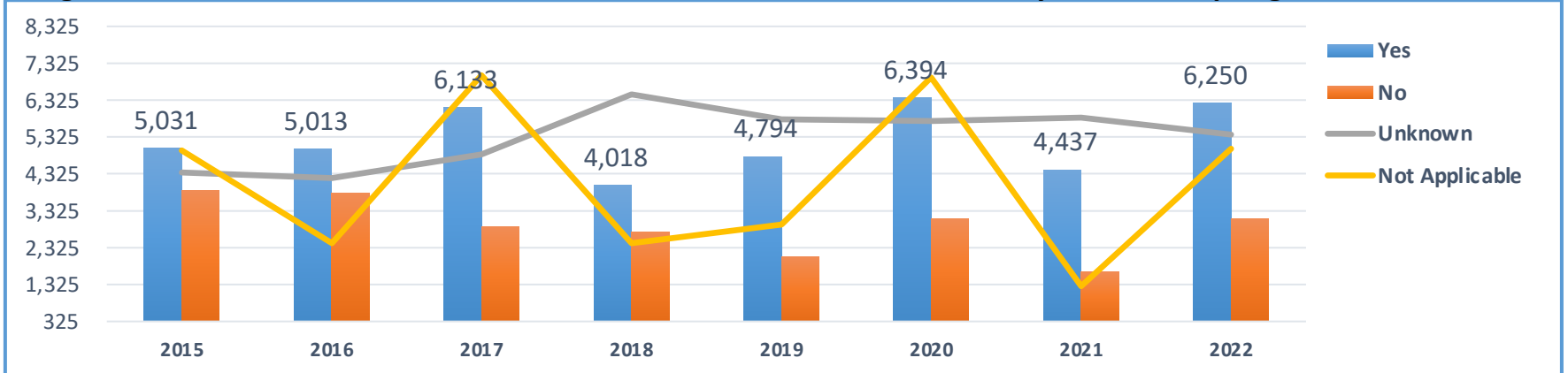

Figure 3. MA APCD Provider Data on Massachusetts Internal Medicine Physicians Accepting New Patients

Answer (continued) *The Massachusetts Board of Registration of Medicine's interactive website at:* https://www.mass.gov/check-a-physician-profile-findmydoctormassgov *has selection options for searching physicians by medical specialty which includes a 'Yes/No' option for whether the physician is accepting new patients (see Figure 4 below). The MA APCD year 2022 provider data indicated that* **2,637** *Massachusetts Family Physicians were Accepting New Patients (as shown in Figure 1 on the previous page). The Massachusetts Board of Registration of Medicine's Verification Site indicates that* **2,665** *Massachusetts Family Physicians are Accepting New Patients.*

Accepting New Patients

Figure 4. Massachusetts Board of Registration in Medicine (BORIM) Physician License Verification Site

Massachusetts Board of Registration in Medicine (BORIM)
Physician License Verification Site

"Physician Profiles" is a comprehensive reference source to help consumers find a particular physician, find physicians in the consumer's local area, or to look for physicians in a specific specialty, such as general surgery or neurology. Each physician's Profile may contain information about the physician's specialty, medical school, residency training, insurance plans accepted, honors/awards, publications and a host of other information. This information is self-reported by physicians.

Profiles also include Board discipline, criminal convictions, hospital discipline and medical malpractice payments reported to the Board.

Please note, information on a profile for a physician with a license that is not active may not be current. However, when notified, the Board will include adverse information that is verified by a primary source.

Both The Joint Commission and the National Committee on Quality Assurance consider the Massachusetts Board of Registration in Medicine to be a primary source provider for license status information.

You may search by Physician Name or License Number. Enter as little or as much information as you know to find a physician or group of physicians, then click on "Find Physician(s)" button. You can also narrow or expand your search by selecting specialties, Zip Code, city where physician practices.

Search By: ◯ Physician Name ◯ License Number ⦿ Cities and/or Specialties ◯ Zip Codes

Cities

- ☐ Abington
- ☐ Acton
- ☐ Acushnet
- ☐ Adams
- ☐ Agawam
- ☐ Alford
- ☐ Amesbury
- ☐ Amherst

Specialties

- ☐ Endocrinology, Diabetes, and Metabolism, Internal Medicine
- ☐ Endovascular Surgical Neuroradiology, Diagnostic Radiology
- ☐ Endovascular Surgical Neuroradiology, Neurological Surgery
- ☐ Epilepsy, Neurology
- ☑ Family Medicine/Family Practice
- ☐ Female Pelvic Medicine and Reconstructive Surgery, Obstetrics and Gynecology
- ☐ Female Pelvic Medicine and Reconstructive Surgery, Urology
- ☐ Foot and Ankle Orthopaedic Surgery, Orthopaedic Surgery

Pediatrics, Family Medicine/Family Practice (clear selection)

Find Physician(s)

License Number	Physician Name	License Type	License Stat... ▽ ↑	Degree	Accepts Medicaid	Accepts New Patients ▽	Practice Specialties

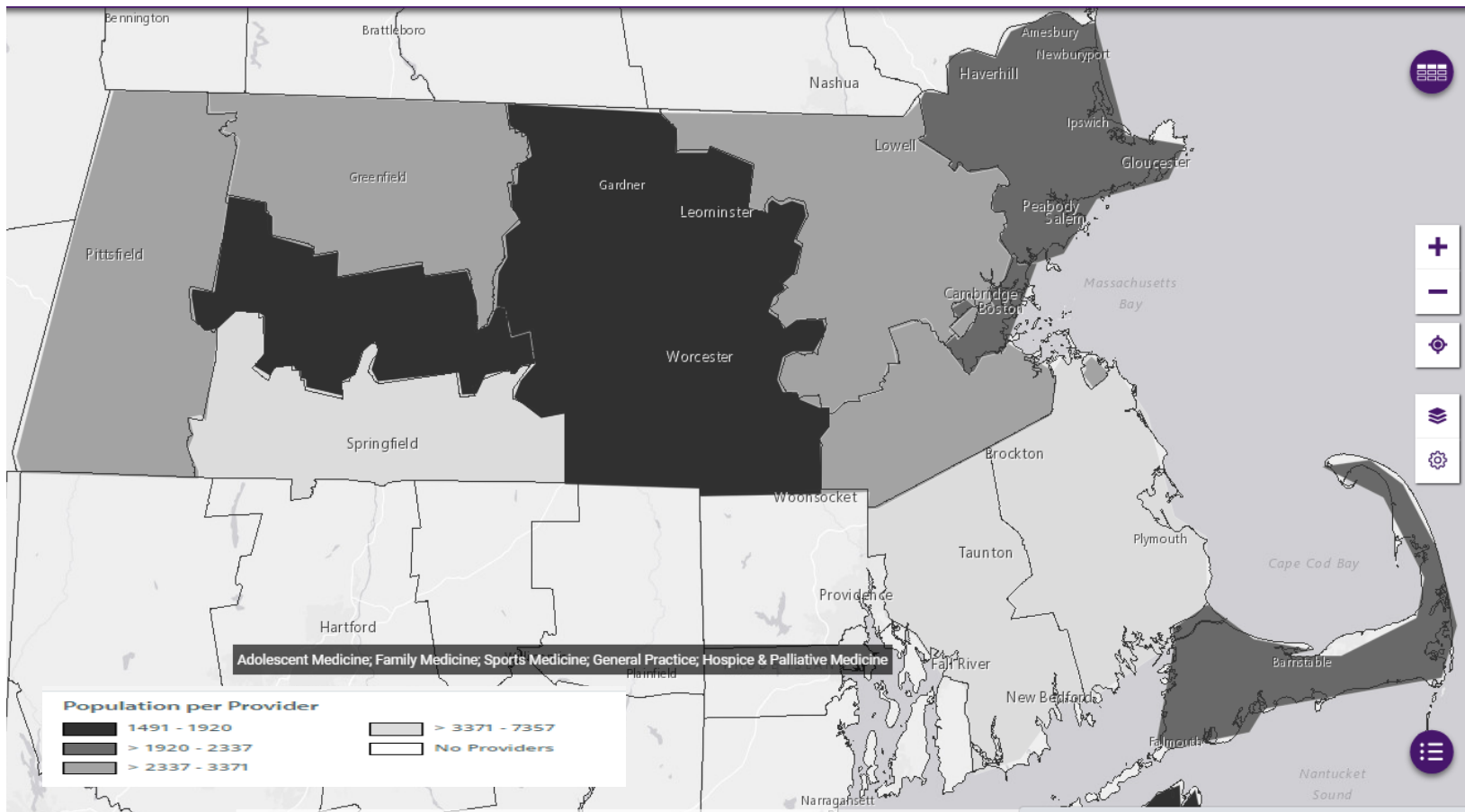*Answer (continued)* *Another tool available in addition to the Massachusetts Board of Registration in Medicine website is the American Medical Association's Health Workforce Mapper, an online interactive tool to illustrate the geographic distribution of the health care workforce. This tool is available at: https://www.ama-assn.org/topics/health-workforce-mapper/. This tool stratifies health care providers by geographic boundaries including state, county, ZIP code tabulation areas, census tracts, and block groups. The tool also stratifies physicians by medical specialty, incorporates census demographic data to map population per provider ratios, has map theme options to include health care facility locations, physician practice type, and physician employment type. For example, you can create a map by county of the Massachusetts census population per number of "Family/General Practice" physicians based on the American Medical Association's Physicians Masterfile (See Figure 5 below).*

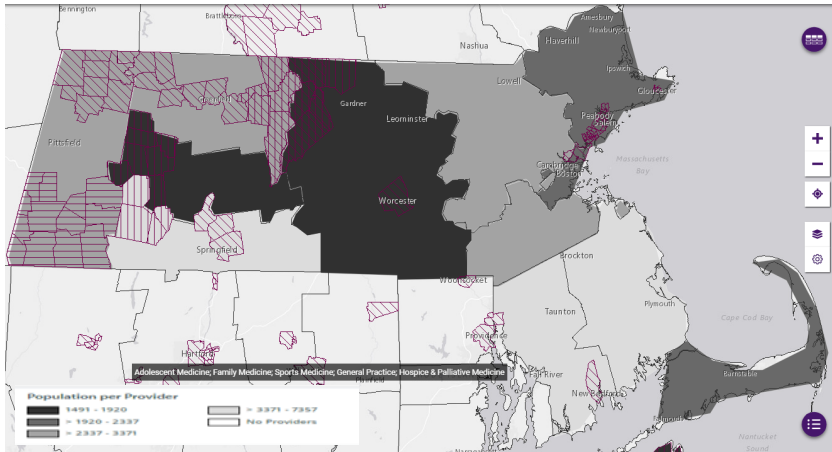## Figure 5. Massachusetts Population Per Provider Ratio for Family/General Practice Physicians

Population per Provider
- 1491 - 1920
- > 1920 - 2337
- > 2337 - 3371
- > 3371 - 7357
- No Providers

Source: https://www.ama-assn.org/about/research/health-workforce-mapper-app

Answer (concluded) The American Medical Association's Health Workforce Mapper has additional GIS data layers incorporating federally designated Health Resources & Services Administration (HRSA) policy aggregations including Primary Care Health Professional Shortage Areas, Dental Care Health Professional Shortage Areas, Mental Health Care Professional Shortage Areas, and Medically Underserved Areas/Populations. For example, a data layer to the previous map of family/general practice physicians showing HRSA designated **Primary Care Health Professional Shortage Areas** (See Figure 6 below) or **Medically Underserved Areas/Populations** (See Figure 7 below).
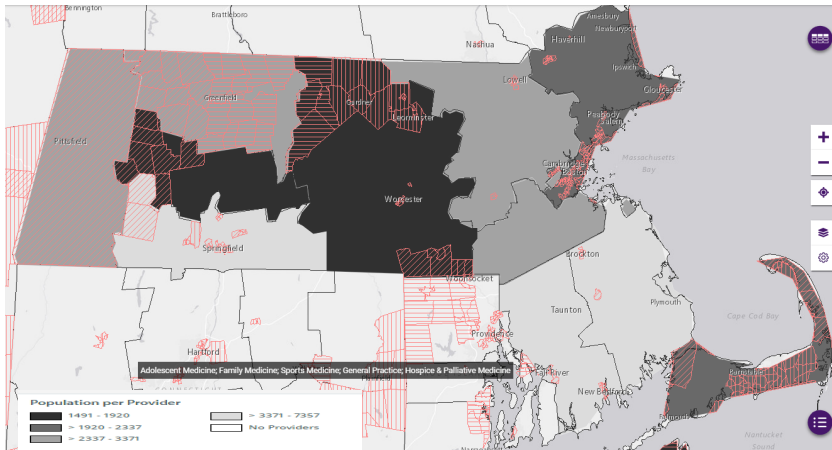

Accepting New Patients

Figure 6. MA Population Per Family/General Practice Providers in Primary Care Health Professional Shortage Areas*

* Primary Care Health Professional Shortage Areas (HPSA)

HRSA defines a **geographic HPSA** as a shortage of providers for an entire group of people within a defined geographic area and defines **population HPSA** as a shortage of providers for a specific group of people within a defined geographic area (e.g., low-income, migrant farm workers).

Figure 7. MA Population Per Family/General Practice Provider in Medically Underserved Areas/Population**

** Medically Underserved Areas/Populations (MUA/P)

HRSA defines **MUAs** have a shortage of primary care health services within geographic areas such as counties or census tracts and defines **MUPs** as a shortage of primary care health services for a specific population subset within a geographic area. These groups may face economic, cultural, or language barriers to health care. Some examples include people who area eligible for Medicaid or experiencing homeless.

*Source: https://bhw.hrsa.gov/workforce-shortage-areas/shortage-designation

Question: In the MA APCD, I understand only one ZIP code per year is released in the member's eligibility data. When linking the medical claims data to the eligibility ZIP code data for the purposes of obtaining ZIP code associated socioeconomic attributes, I link the "date of service from year" to the member eligibility year. However, in the pharmacy claims data, it is unclear whether I should use the year the 'prescription written year' or the 'prescription filled year.'
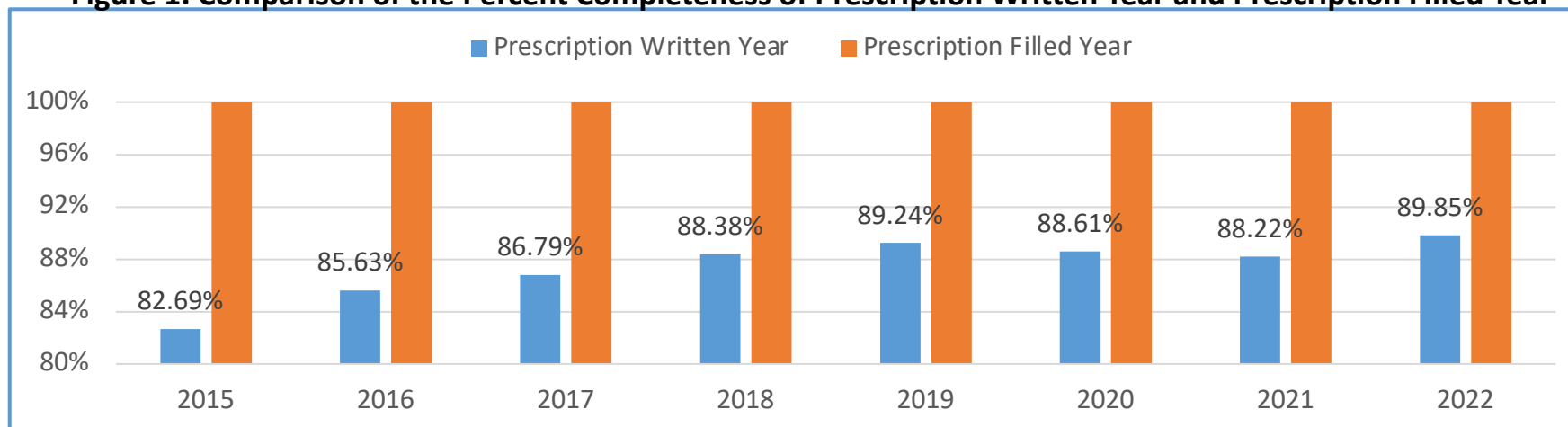
Prescription Dates

Answer: The MA APCD pharmacy data filing specifications for the '**Date Prescription Filled**' (**PC032**) have a higher filing threshold than the '**Date Prescription Written**' (**PC064**). See Table 1 below. **Date Prescription Filled is a Category A0** data element which means the data is required to be valid per Conditions and must meet threshold percent with 0% variation. Therefore, for all pharmacy claim lines, the date prescription was filled should be present on 99% of records or the submission will fail. **Date Prescription Written is a Category B** data element which means the data is requested and monitored for errors but any variation from the percent filing threshold will not cause the submission to fail. While the completeness of the prescription written year field is over 80% (see Figure 1 below), the prescription written year from 2015-2017 was 99.99% complete and from 2018 to 2022 was 100% complete.

Table 1. Comparison of Date Prescription Filled and Date Prescription Written Filing Specifications

Data Element	Data Element Name	Element Submission Guideline	Condition	%	Cat
PC032	Date Prescription Filled	Report the date the pharmacy filled AND dispensed the prescription to the patient in CCYYMMDD format.	All	99%	A0
PC064	Date Prescription Written	Report the date that the prescription was written or called-in by the physician's office in CCYYMMDD format.	All	98%	B

Figure 1. Comparison of the Percent Completeness of Prescription Written Year and Prescription Filled Year

Where can I find past User Workgroup Presentations?

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

MA APCD / Case Mix Meeting Presentations

2019 Presentations	
2019 MA APCD Presentations	**2019 Casemix Presentations**
MA APCD Tuesday, November 26, 2019 • Presentation (PDF) | Word	Please Note: The Case Mix Workgroup Meeting for December 2019 was cancelled.
MA APCD Tuesday, September 24, 2019 • Presentation (PDF) | PPT	Case Mix Tuesday, October 22, 2019 • Presentation (PDF) | PPT
MA APCD Tuesday, July 23, 2019 • Presentation (PDF) | PPT	Case Mix Tuesday, August 27, 2019 • Presentation (PDF) | PPT

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When is the next User Group meeting?

- The next User Group will meet Tuesday April, 25.

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

Resultant Research Using CHIA Data

- https://www.chiamass.gov/resultant-research-using-chia-data

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HEALTH INFORMATION AND ANALYSIS   CHIA DATA   ABOUT CHIA

Q Search

| MA APCD | Case Mix Data | Hospital and Other Provider Data | Information for Data Submitters | Public Records Request |

CHIA Data » Resultant Research Using CHIA Data

Resultant Research Using the MA APCD and CHIA's Case Mix Data

The table below contains a sample of external research publications using CHIA's MA APCD and Case Mix data (by year of publication). Case Mix specific research is highlighted in gray. If you have questions please email apcd.data@state.ma.us and/or casemix.data@state.ma.us.

Questions?

- Questions related to MA APCD:

  apcd.data@chiamass.gov

- Questions related to Case Mix:

  casemix.data@chiamass.gov

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