

CASE MIX USER WORKGROUP

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February 26, 2019

Agenda

- Announcements:
 - Updates on FY17 Case Mix Release
 - Timeline for FY18 Case Mix Release
 - APCD Release 7.0
- User Questions:
 - Unknowns in Demographic Fields
 - Organ Transplant Coding
- Q&A

Case Mix FY17 Release

CURRENT RELEASE TIMEFRAMES FOR EACH FILE:

- Inpatient (HIDD)
June [Completed]
- Emergency Department (ED)
November [Completed]
- Outpatient Observation (OOD)
February – Fulfilling Now!

Case Mix FY18 Release

CURRENT RELEASE TIMEFRAMES FOR EACH FILE:

- Inpatient (HIDD)

June

- Emergency Department (ED)

August

- Outpatient Observation (OOD)

September

Case Mix FY18 Release

REPEAT APPLICANTS:

- For those applicants with previously approved projects who indicated they would like to receive data annually, we began accepting Certificates of Continued Need and Compliance (Exhibit B of your DUA) starting on **May 1st**.
- After receiving this, we will send you an invoice for the FY18 data and release data to you once payment is received and the data is ready.
- If you are making any changes to your project, you must go through the amendment process first.

Case Mix FY18 Release

NEW APPLICANTS / NEW PROJECTS:

- We will continue to accept new applications on a rolling basis.
- If you are requesting FY18 data, just click the box for “Subscription” on p. 3 of the application form:

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. Specify below the dataset(s) and year(s) of data requested for this Project, and your justification for requesting each dataset. Data prior to 2004 is not available.

Hospital Inpatient Discharge Data

2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017

Describe how your research objectives require Inpatient Discharge data:

MA APCD Release 7.0

- Available NOW
- Encompasses data from January 2013 – December 2017 with six months of claim runout (includes paid claims through 6/30/18)
- Release Documentation and Data Specifications have been posted to the website: <http://www.chiamass.gov/ma-apcd/>
- Apply now by listing 2017 (and any other years you want from Release 7.0) in the “Years Requested” section of the current application form

Available here: <http://www.chiamass.gov/application-documents>

Additional Release 7.0 details and highlights can be found in the January 2018 APCD User Workgroup presentation available here: <http://www.chiamass.gov/ma-apcd-and-case-mix-user-workgroup-information/>

QUESTIONS SUBMITTED BY USERS



Question: Each year a small number of Case Mix hospital inpatient discharge and outpatient emergency visit records are coded as “sex unknown”. Is “unknown” recorded for patients who are undergoing sex reassignment surgery?

Answer: To determine whether unknown was used for patients undergoing sex reassignment, the ICD-10-CM code Z87890 (defined as personal history of sex reassignment) was used to evaluate the historical change in the coding of the patient’s sex over the years based on the unique identifier. Whenever such cases were admitted for inpatient care, they were always coded as either male or female. When admitted for subsequent inpatient care following reassignment procedures, the sex was changed to either male or female. Only a few cases in the outpatient emergency department visit data were coded as unknown prior to inpatient reassignment surgery.

The quality of the inpatient sex data has improved over the past decade. Inpatient discharge records with unknown sex have decreased to less than 1%. Patients coded with unknown sex dropped from 56 discharges in FY2009 to 22 in the FY2017. The majority of unknown inpatient discharges are newborns (See Table 1 below). However, in the outpatient emergency department (ED) data, newborns are among the lowest coded as unknown. The ED visit data also has shown more annual fluctuations in the number of unknowns (See Table 2 below).

Table 1. FY2008 to FY2017 Inpatient Hospital Discharges with Sex Unknown

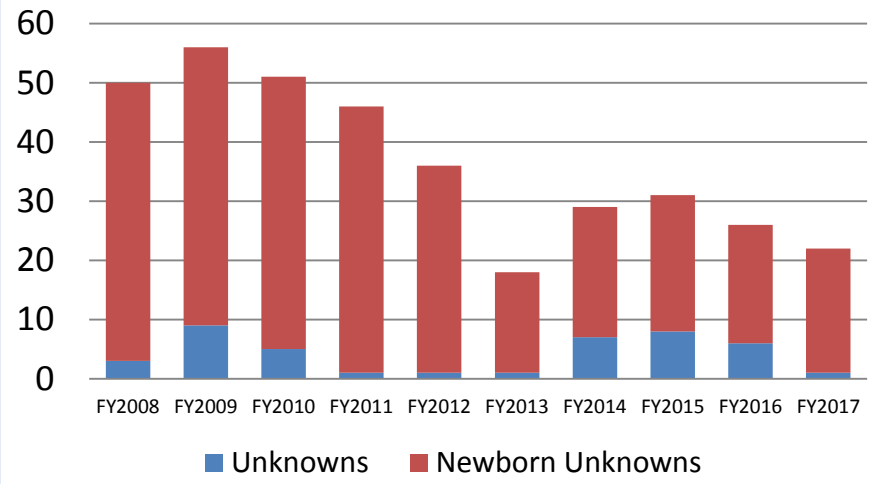
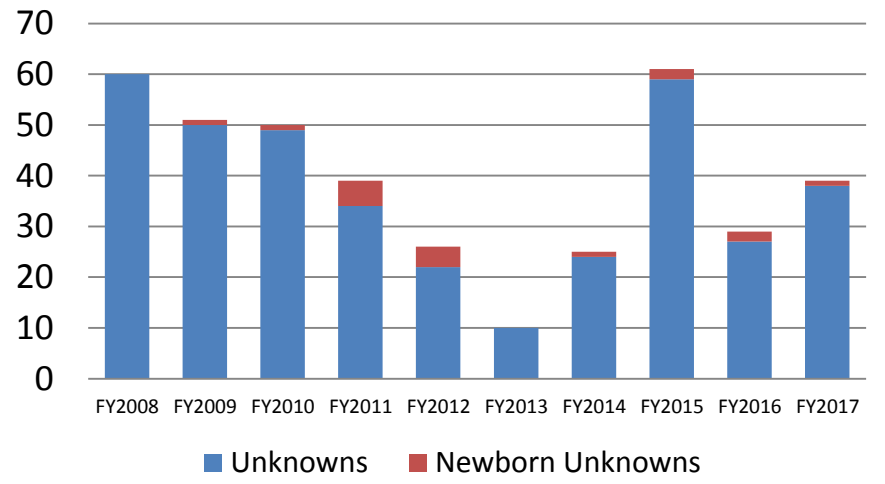


Table 2. FY2008 to FY2017 Outpatient ED Visits with Sex Unknown



ORGAN TRANSPLANTS

Question: The CDC and the United Network for Organ Sharing report that organ transplants in the United States have reached a record high. Is the inpatient hospital discharge data showing an increase in organ transplants for Massachusetts?

Answer: Yes. Hospital Inpatient Discharge records with a CMS DRG of transplant discharge were compared from FY2012 through FY2017. Even though there was a 3% decrease in total inpatient discharges from 829,868 in FY2012 to 808,866 in FY2017, there was a 46% increase in the number of transplant related discharges. See Figure 1 below. The number of heart and lung transplants more than doubled, followed by a 45% increase in liver and/or intestinal transplants. See Figure 2 below.

Figure 1. FY2012 to 2017 Inpatient Organ Transplant Discharges*

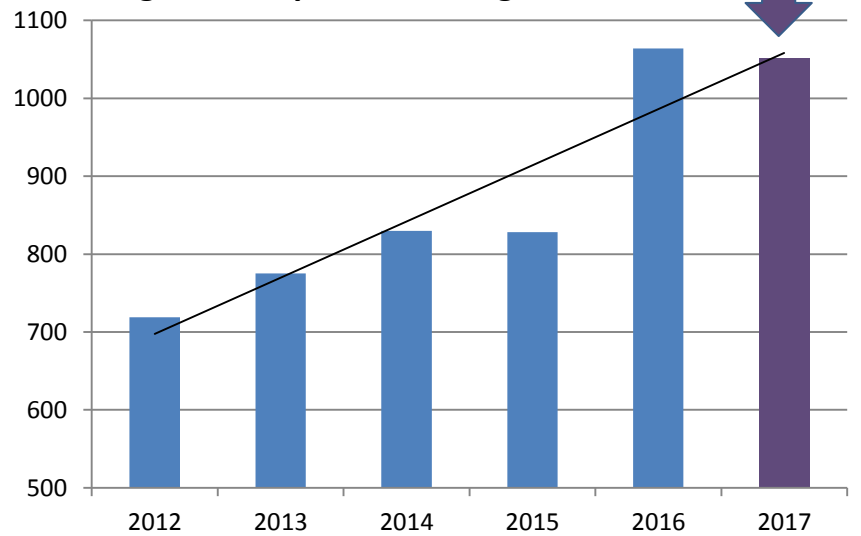
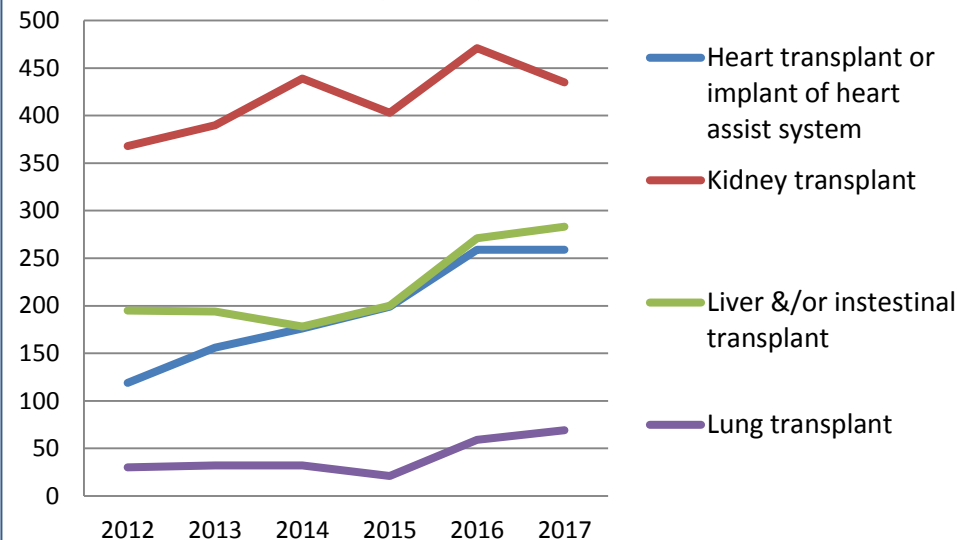


Figure 2. FY2012 to FY2017 Inpatient Transplant Discharges* by Organ



* Note: The counts in Figures 1 and 2 exclude autologous and allogenic bone marrow transplants. The Figure 1 annual totals include pancreas transplants and the Figure 2 comparison does not due to little variation.

Where can I find old User Workgroup Presentations?

- <http://www.chiamass.gov/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 data experts to discuss analytical techniques, data issues, and data quality. These webinars are also used for making announcements regarding 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 Registration
NEXT MEETING Tuesday, February 26, 2019
Case Mix Workgroup Registration

MA APCD Workgroup Registration
NEXT MEETING Tuesday, March 26, 2019
MA APCD Workgroup Registration

Previous MA APCD / Case Mix Meeting Materials

Case Mix Tuesday, February 26, 2019

- Presentation (available shortly after the meeting)

MA APCD Tuesday, January 22, 2019

- Presentation (PDF) | PPT

Questions?

- Questions related to MA 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.

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 in 2019, contact Adam Tapply [adam.tapply@state.ma.us]
- If you are interested in **PRESENTING** at an MA APCD or Case Mix workgroup in 2019, contact Adam Tapply [adam.tapply@state.ma.us]
You can present remotely, or in-person at CHIA.