

Massachusetts Acute Care Hospital Emergency Department Data— Quarterly Update:

October 2018 Through December 2022 (Preliminary)

Introduction

Emergency departments (EDs) serve a vital role in the Massachusetts health care system. To better understand trends in ED utilization, the Massachusetts Center for Health Information and Analysis (CHIA) has analyzed ED visits in all acute care hospitals in Massachusetts on a quarterly basis, from Federal Fiscal Year (FFY) 2019 through the first quarter of FFY 2023 (October 2018–December 2022). Results and graphic visualizations from this analysis are presented in a new [interactive dashboard](#) available on the CHIA website. It is accompanied by a [databook](#) with more detailed analyses and a [technical appendix](#). This interactive ED dashboard complements and expands upon analyses from [CHIA's first statewide ED utilization report](#), published in September 2021 using data from FFY 2016 through 2019.

The data source for the new dashboard and databook is CHIA's Emergency Department Database (EDD), consisting of ED visits from all acute care hospitals in Massachusetts resulting in neither an inpatient admission nor an observation stay (treat-and-release visits). This dashboard uses interim data to present analyses on a quarterly basis on measures of ED utilization and visit characteristics at a statewide level and for select analyses, at the hospital level. The data in quarterly updates are preliminary, with the primary purpose of this series to provide timely patterns and trends on key ED utilization measures. The dashboard and databook will be updated quarterly with more complete data as they become available and as CHIA continues to work with providers to process and confirm data submissions through the data collection process.

The quarterly dashboard includes new data from October 2018 to December 2022. This update is organized in the following six sections:

- Statewide Utilization
- Utilization by Hospital
- Visit Characteristics
- Diagnoses
- Behavioral Health
- COVID-19

Statewide Utilization

The utilization section presents the total number of ED visits and the average length of stay for ED visits statewide and by hospital characteristics. Hospital characteristics include hospital cohort, high public payer status, and trauma designation.

Utilization by Hospital

This section presents hospital-level ED utilization measures on a quarterly basis for all acute care hospitals in Massachusetts. The measures included are total visits and average length of stay.

Visit Characteristics

This section shows statewide utilization patterns by ED visit characteristics, including the age group, sex, and race/ethnicity of the patient as well as the expected primary payer type.

Diagnoses

This section presents common primary diagnoses associated with ED visits by age group at a statewide level. Additionally, the average length of stay for each of these primary diagnosis categories is provided.

Behavioral Health

This section shows total visits and average length of stay for ED visits associated with any behavioral health condition and by specific behavioral health diagnosis categories. These estimates are presented for all ED visits statewide and by age group.

COVID-19

This section shows statewide utilization patterns for COVID-19- and non-COVID-19-associated ED visits by patient and visit characteristics, including, age group, sex, race/ethnicity, and expected primary payer type. The measures included are total visits, percent of total visits, and average length of stay.

For more information, please contact:



CENTER FOR HEALTH INFORMATION AND ANALYSIS

501 Boylston Street
Boston, MA 02116
(617) 701-8100

www.chiamass.gov
[@Mass_CHIA](https://twitter.com/Mass_CHIA)