

Massachusetts Acute Care Hospital Inpatient Discharge Data – Quarterly Update

October 2019 through September 2024 (Preliminary)

Introduction

The Massachusetts Center for Health Information and Analysis (CHIA) provides analyses of health system utilization to inform payers, providers, policymakers, and the public. In December 2020, CHIA first published [Massachusetts Acute Care Hospital Inpatient Discharge Data \(FFY 2016-2019\)](#). This report provided information and analyses of hospital inpatient utilization patterns in the period leading up to the COVID-19 pandemic and presented measures of inpatient utilization overall and by hospital, patient, and discharge characteristics.

Building upon that report, CHIA developed a new quarterly update series, which includes an [interactive dashboard](#) and an accompanying [databook](#). These quarterly updates use interim data to present analyses on a quarterly or monthly basis at a statewide and hospital level. In the February 2025 quarterly update (July-September 2024), data on statewide visits and average length of stay (ALOS) by hospital system have been added under the statewide utilization section. Data from Federal Fiscal Year (FFY) 2019 (October 2018-September 2019) is no longer displayed in the dashboard but can still be found in the databook.

Key Findings From the February 2025 Update

- In Quarter 4 of FFY 2024 (July-September 2024), acute care hospital discharges saw a small decrease (around 3,500 fewer discharges) from the previous quarter, but ALOS remained consistent at 5.5 days.
- Mass General Brigham (MGB) Hospital System (comprised of 9 hospitals) had the highest number of discharges for a hospital system in the Commonwealth over the past 5 reporting years, ranging from approximately 32,000 to 41,000 discharges per quarter.
- UMass Memorial Health Care Hospital System (comprised of 4 hospitals) had the highest ALOS over the past 5 reporting years, ranging from 5.5 to 6.8 days per quarter.

The data in the quarterly updates are preliminary. The primary purpose of this series is to provide timely patterns and trends on key inpatient utilization measures. The dashboard and databook are updated at each release with more complete information as it becomes available and as CHIA continues to work with providers and payers to process and confirm data submissions through the annual data collection process.

About this Update

This quarterly update includes new data from October 2019 to September 2025. This update is organized in the following nine sections:

- Total Acute Care Volume
- Statewide Utilization
- Statewide Utilization by ZIP Code
- Utilization by Hospital
- Discharge Characteristics
- Diagnoses and Procedures
- Chronic Conditions
- Behavioral Health
- COVID-19

Total Acute Care Volume

This section shows the total volume of acute care hospital visits and discharges in Massachusetts by Case Mix categorization. Discharges/visits are categorized by inpatient stay, outpatient observation, and emergency department (ED) treat and release.

Statewide Utilization

The utilization section includes the number of inpatient discharges and average length of stay, in days. Measures are shown for all hospital inpatient discharges across Massachusetts, as well as by obstetric and age group, hospital cohort, intensive care use, age group, sex, race/ethnicity, primary payer type, discharge setting, and hospital system.

Statewide Utilization by ZIP Code

This map shows the rate of discharges, per 100 residents, in percentiles by ZIP Code as well as the locations of Massachusetts acute care hospitals. Measures are shown for all hospital inpatient discharges across Massachusetts on a yearly basis. This section does not use preliminary data.

Utilization by Hospital

This section presents hospital-level inpatient utilization measures on a quarterly basis for all acute care hospitals in Massachusetts. The measures included are total discharges and average length of stay. The databook includes tabs for hospital utilization by age group, obstetric and age group, sex, race/ethnicity, primary payer type, discharge setting, and behavioral health-related discharges by discharge setting.

Discharge Characteristics

This section shows statewide utilization patterns by age group, obstetric and age group, sex, race/ethnicity, primary payer type, discharge setting, intensive care use, and intensive care days.

Diagnoses and Procedures

This section presents common primary diagnoses and principal procedures associated with discharges by obstetric and age group at a statewide level. Additionally, the average length of stay for each primary diagnosis category is provided.

Chronic Conditions

This section shows statewide discharges by chronic conditions, including total discharges, percent of total discharges, and average length of stay within each obstetric and age group.

Behavioral Health

This section shows total discharges, percent of total discharges, and average length of stay for inpatient hospital discharges associated with any behavioral health condition and by specific diagnosis category. These estimates are presented for all discharges statewide and by obstetric and age group.

COVID-19

This section shows statewide utilization patterns for COVID-19- and non-COVID-19-associated discharges by patient and discharge characteristics, including age group, obstetric and age group, sex, race/ethnicity, primary payer type, discharge setting, intensive care use, and intensive care days. The measures included are total discharges, percent of total discharges, 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)