



# Massachusetts Department of Public Health COVID-19 Dashboard- Monday, November 02, 2020

## A NOTE ABOUT TODAY'S DASHBOARD

Beginning today, the Massachusetts Department of Public Health (DPH) is posting a revised COVID-19 daily dashboard. This revised dashboard will continue to provide critical information for the public's understanding of the current and cumulative impact of the pandemic in Massachusetts, reflecting the metrics that are most useful to track on a daily basis.

The Commonwealth already produces one of the most comprehensive public data reports on COVID-19 in the nation and includes detailed municipal-level, college and university, contact tracing, long-term care facilities, and, most recently, cluster data.

This revised dashboard will help the public more easily access the Commonwealth's growing amount of COVID-19 information as the Department prepares to launch an interactive digital dashboard early next year.

A key new data point presented in the dashboard is "Case Growth by Age Group," which will help contextualize the impact of COVID on different age ranges over time. The Commonwealth is currently seeing a larger proportion of cases in younger people compared to earlier in the pandemic.

The dashboard now includes the average turnaround time for COVID-19 test results to be reported to the Department, so contact tracing can begin. The dashboard also now reports the impact of university testing to greater clarify how this testing impacts the Commonwealth's overall positivity rate and case numbers.

Today's updated dashboard provides a more granular look into the daily positivity rate. Since August, the Commonwealth's universities have been conducting at least 25,000 daily tests of students, faculty, and staff. While this testing has helped to control the spread of COVID on college campuses, it has also impacted the overall positivity rate. Starting today, the dashboard will include three positivity rates: the overall state positivity rate, the positivity rate on college campuses, and the statewide positivity rate excluding on-campus testing.

Many existing data points, including testing, deaths, and hospitalization rates, have been reorganized to report on current numbers, trends over the past six weeks, and trends going back to March.



# Dashboard of Public Health Indicators

## Testing and Cases

Newly Reported Confirmed Cases

**725**

Total New Molecular Tests Reported

**51,419**

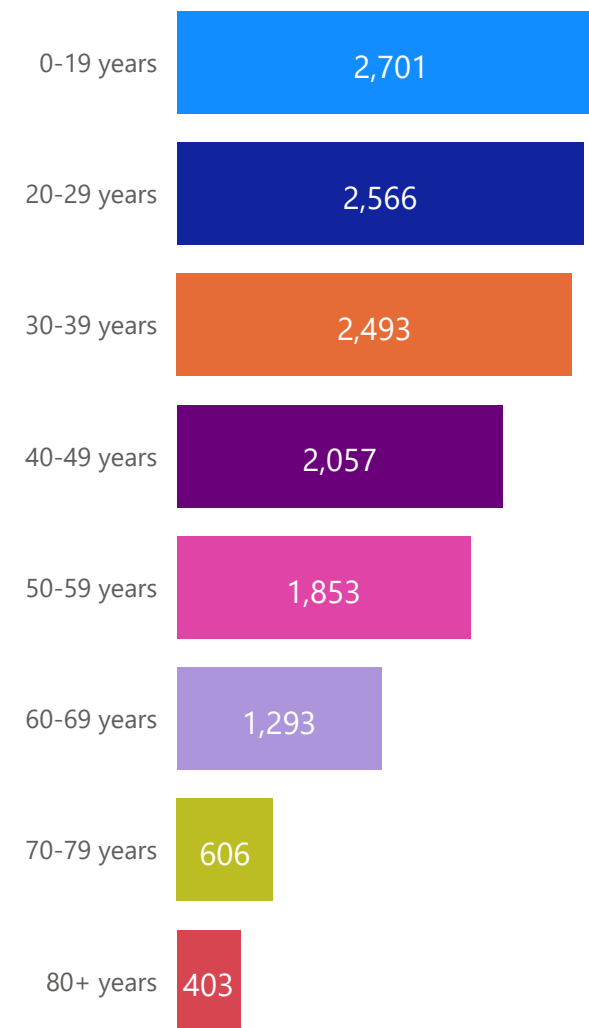
7-Day Average Positivity

**1.78%**

Estimated Active Cases

**16,561**

Total Cases By Age Group from 10/17/20-10/30/20\*\*



## Hospitalization

Total Confirmed COVID Patients in Hospital

**469**

Total Confirmed COVID Patients in ICU

**96**

Average Age of Cases that were Hospitalized\*

**67**

## Deaths

Newly Reported Deaths among Confirmed

**9**

Average Age of Deaths\*

**81**

## Turnaround Time

14-Day Average Turnaround (from Test Sample to Report to DPH)\*

**2.1**

Note: For definitions, please see the Glossary at the end of this document in "Definitions and Disclaimers". Average age of hospitalized cases and deaths are calculated for a two week period covering 10/11/20 to 10/24/20. Please see the most current weekly dashboard for more details <https://www.mass.gov/info-details/covid-19-response-reporting>

\*Last updated Wednesday, October 28th; \*\*Last updated Monday, November 2nd

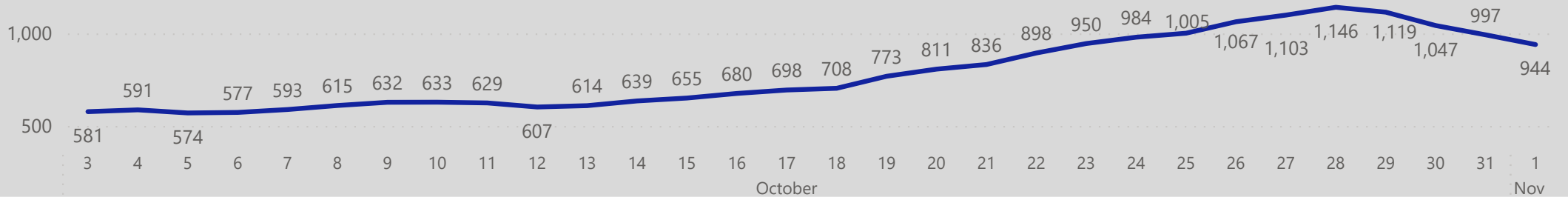


# Massachusetts Department of Public Health COVID-19 Dashboard- Dashboard of Public Health Indicators

Monday, November 02, 2020

Percent of Change Since  
Lowest Observed Value (LOV)

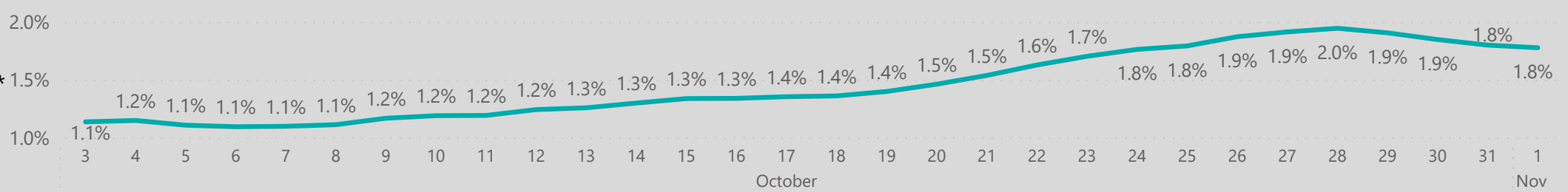
7-Day Average  
of New  
Confirmed Cases



502%

LOV = 157

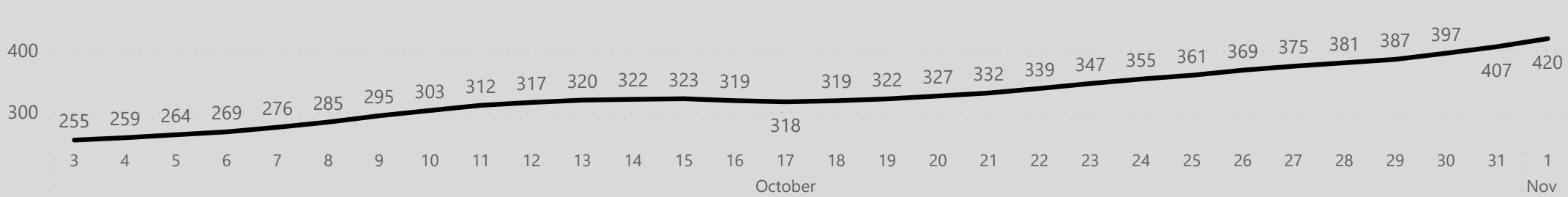
7-Day Weighted  
Average of Positive  
Molecular Test Rate\*



130%

LOV = 0.8%

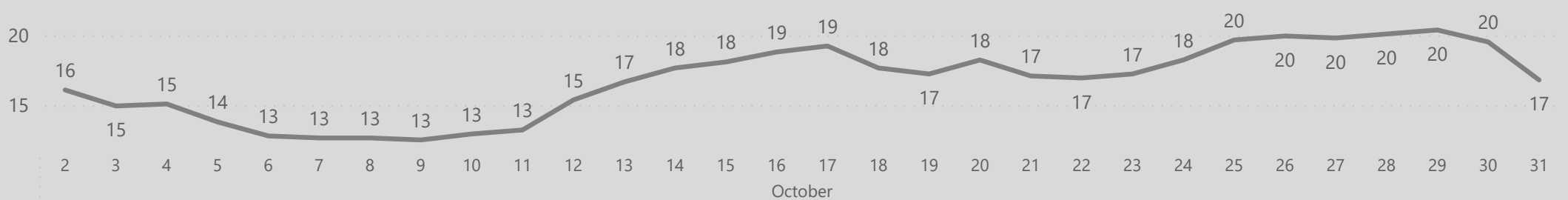
7-Day Average of  
Number of  
COVID-19 Patients  
in Hospital\*\*



171%

LOV = 155

7-Day Average  
of COVID-19  
Deaths\*\*\*



59%

LOV = 11

\*Calculated from total molecular tests for all of MA; \*\*Includes only confirmed cases of COVID-19; \*\*\*Includes deaths in only confirmed cases of COVID-19  
Note: LOV = Lowest observed value, i.e. the lowest value the public health indicator has been since tracking started on April 15, 2020. Due to data lags, counts for most recent dates are likely incomplete, and thus measures are subject to change.



# Contents

## Testing and Cases

Hospitalization

Deaths

Demographics, Activities, and Key Settings

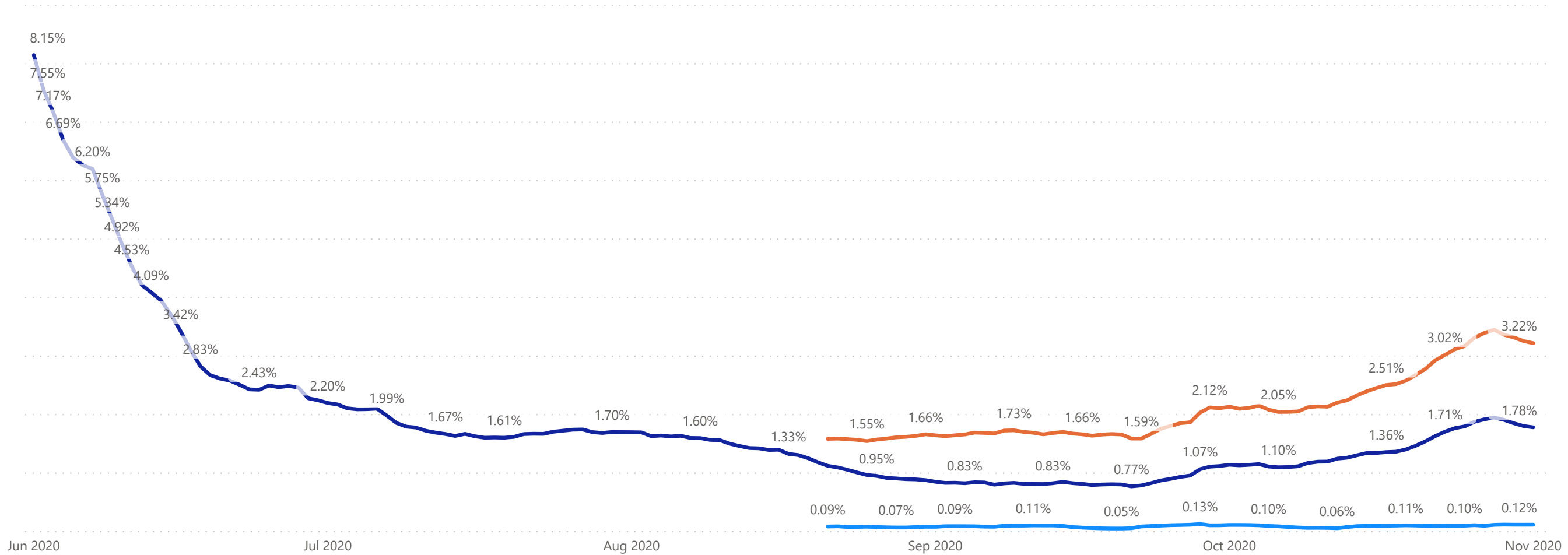
Definitions and Disclaimers



# Testing by Date - Molecular (Percent Positive)

7-Day Weighted Average of Percent of Tests By Molecular Method that are Positive by Test Date

● MA Statewide (metric on p.2) ● MA Higher Education Only ● MA with Higher Education Tests Removed



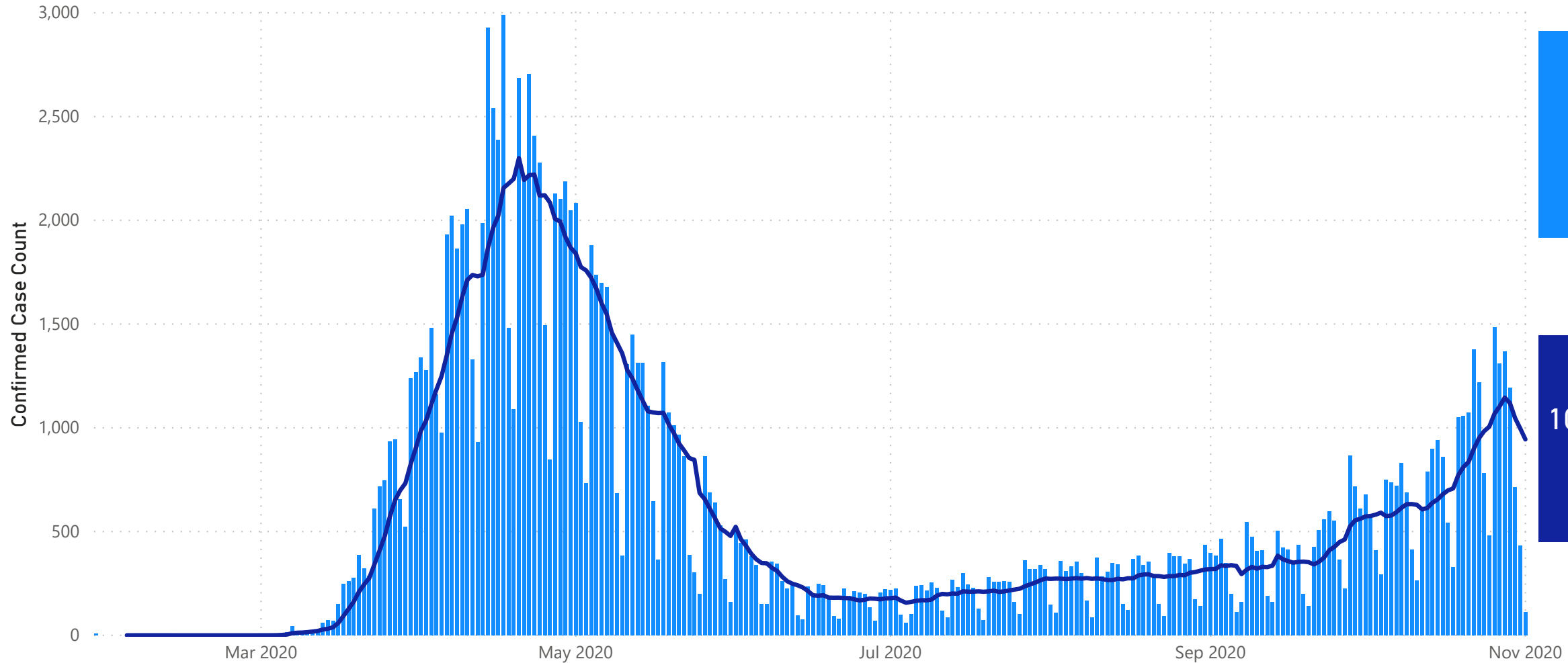
Data Sources: COVID-19 Data provided by the Bureau of Infectious Disease and Laboratory Sciences; Tables and Figures created by the Office of Population Health.  
Note: all data are current as of 8:00am on the date at the top of the page. Due to lag in reporting by laboratories, counts for most recent dates are likely to be incomplete. This includes individuals who have had more than one molecular test.



# Daily Confirmed Cases (Since March)

Confirmed COVID-19 Cases To Date by Date Individual Tested

● Confirmed Cases by Date ● 7-Day Average Confirmed Case Count



Total Confirmed Cases

**156,385**

Average Daily Incidence Rate Per 100,000 (last 14 days)\*

**11.8**

Data Sources: COVID-19 Data provided by the Bureau of Infectious Disease and Laboratory Sciences; State Population Estimate 2019: Small Area Population Estimates 2011-2020, version 2019, Massachusetts Department of Public Health, Bureau of Environmental Health; Tables and Figures created by the Office of Population Health.

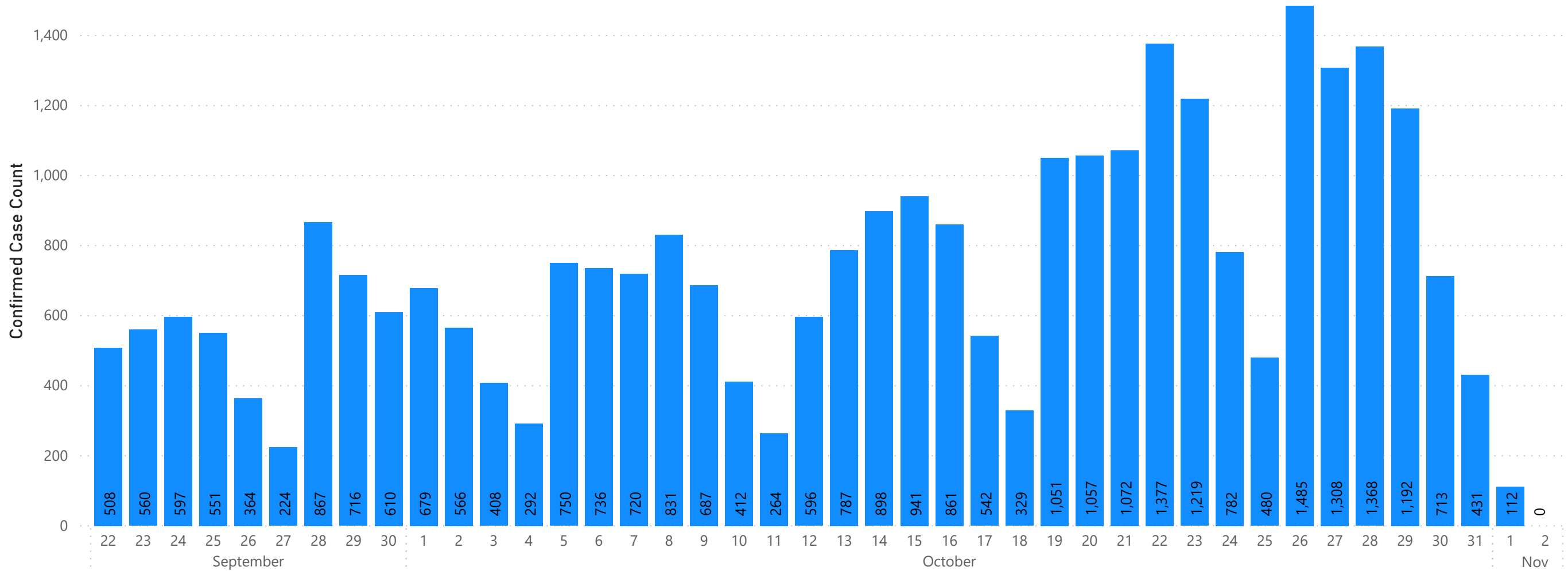
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\*Last updated Wednesday, October 28th; Covers 10/11/20 to 10/24/20



# Daily Confirmed Cases (Past 6 Weeks)

Confirmed COVID-19 Cases by Date Individual Tested



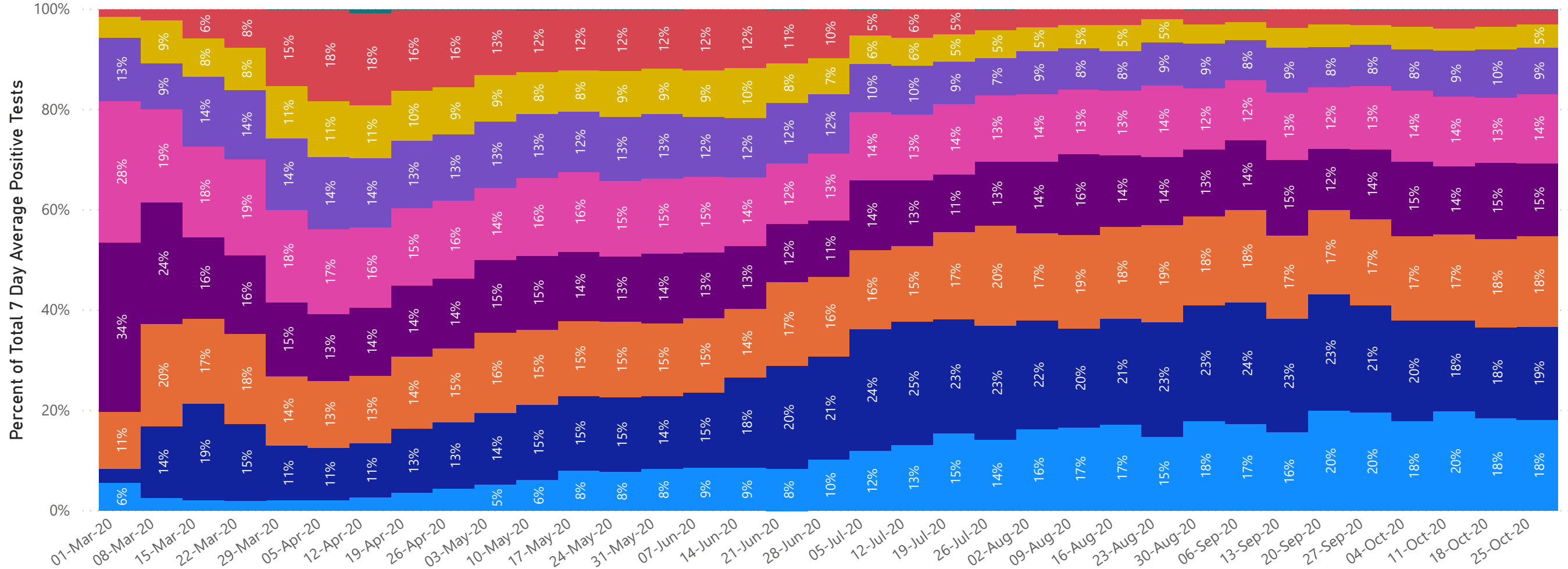
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 Note: all data are current as of 8:00am on the date at the top of the page. Due to lag in reporting by laboratories, counts for most recent dates are likely to be incomplete.



# Positive Tests by Age Group

Percent Positive by Week and Age Group

Age Group ● 0-19 years ● 20-29 years ● 30-39 years ● 40-49 years ● 50-59 years ● 60-69 years ● 70-79 years ● 80+ years ● Unknown



Data Sources: COVID-19 Data provided by the Bureau of Infectious Disease and Laboratory Sciences; Tables and Figures created by the Office of Population Health. Note: all data are current as of 8:00am on the date at the top of the page. This includes individuals who have had more than one molecular test.



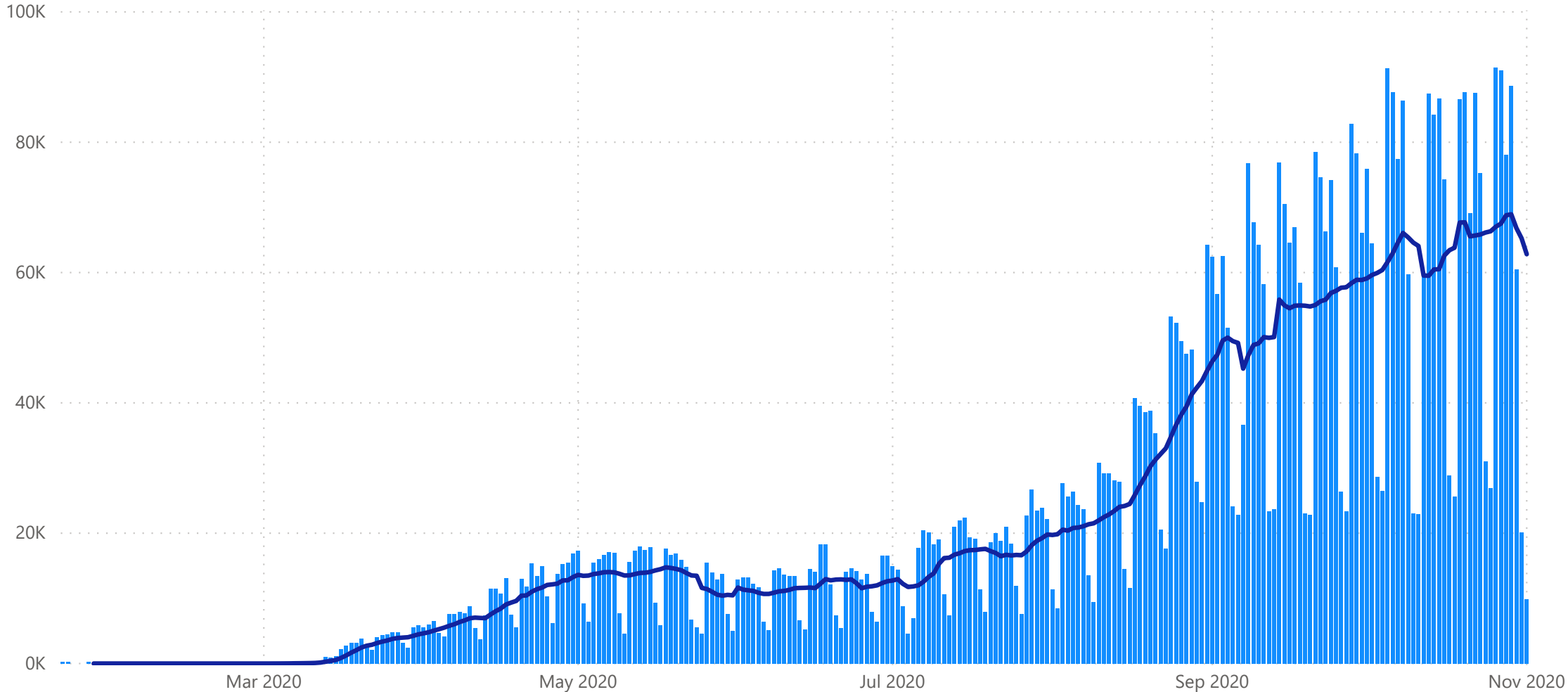


# Massachusetts Department of Public Health COVID-19 Dashboard- Monday, November 02, 2020

## Testing by Date - Molecular (Total Tests Conducted Since March)

### Total Molecular Tests by Date

● All Molecular Tests ● 7-Day Average of All Molecular Tests



Total Molecular Tests Administered  
**6,217,043**

7-Day Average Test Rate per 100,000 Residents  
**902**

Data Sources: COVID-19 Data provided by the Bureau of Infectious Disease and Laboratory Sciences; State Population Estimate 2019: Small Area Population Estimates 2011-2020, version 2019, Massachusetts Department of Public Health, Bureau of Environmental Health; Tables and Figures created by the Office of Population Health.  
Note: all data are current as of 8:00am on the date at the top of the page. Due to lag in reporting by laboratories, counts for most recent dates are likely to be incomplete. This includes individuals who have had more than one molecular test.

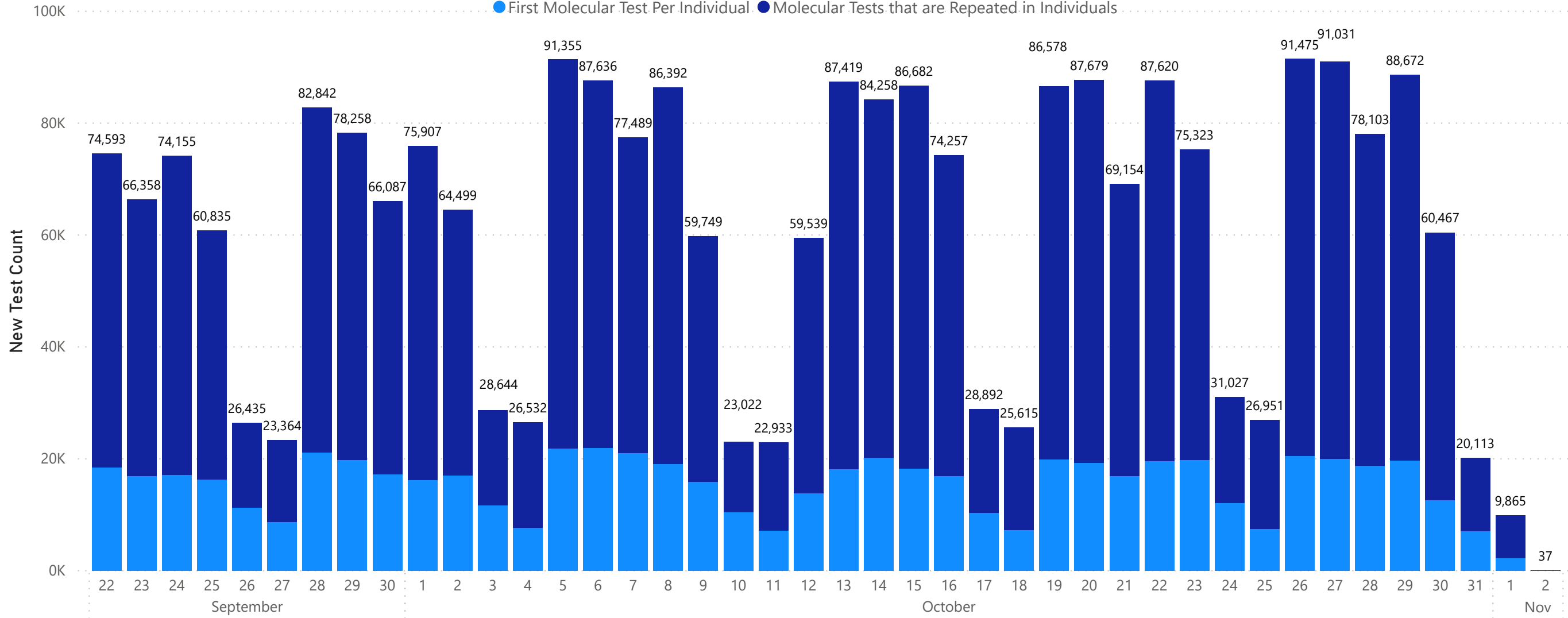


# Massachusetts Department of Public Health COVID-19 Dashboard- Monday, November 02, 2020

## Testing by Date - Molecular (Total Tests Conducted Past 6 Weeks)

### Total Number of Molecular Tests Performed by Date

● First Molecular Test Per Individual ● Molecular Tests that are Repeated in Individuals



Data Sources: COVID-19 Data provided by the Bureau of Infectious Disease and Laboratory Sciences; Tables and Figures created by the Office of Population Health.  
 Note: all data are current as of 8:00am on the date at the top of the page. Due to lag in reporting by laboratories, counts for most recent dates are likely to be incomplete. This includes individuals who have had more than one molecular test.



# Probable Case Information

Newly Reported  
Probable Cases

117

Total Probable Cases

4,164

Newly Reported  
Deaths Among  
Probable

1

Total Deaths Among  
Probable Cases

226



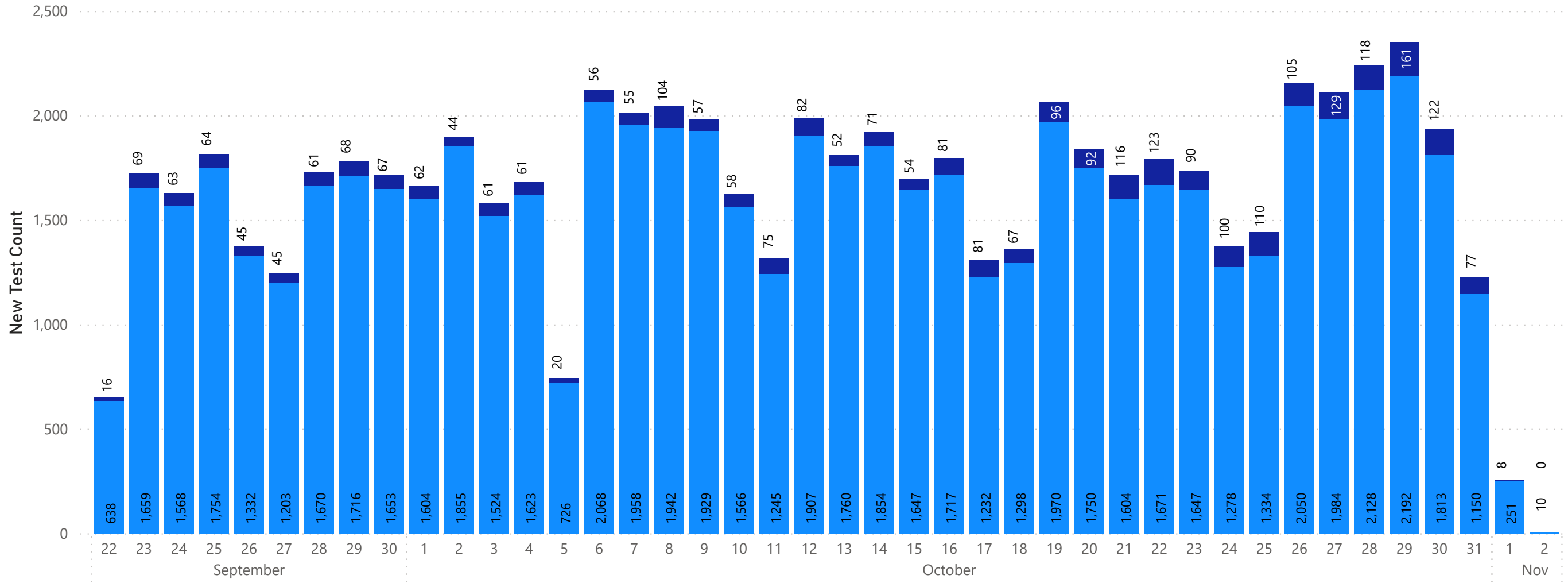
# Testing by Date - Antigens

New Individuals Tested by Antigen Tests  
**2,565**

Total Individuals Tested by Antigen Tests  
**190,746**

### Number of Individuals Tested by Antigens by Test Date

● Individuals with Negative Antigen Tests ● Individuals with Positive Antigen Tests



Data Sources: COVID-19 Data provided by the Bureau of Infectious Disease and Laboratory Sciences; Tables and Figures created by the Office of Population Health. Note: all data are current as of 8:00am on the date at the top of the page. Due to lag in reporting by laboratories, counts for most recent dates are likely to be incomplete.



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**Hospitalization**

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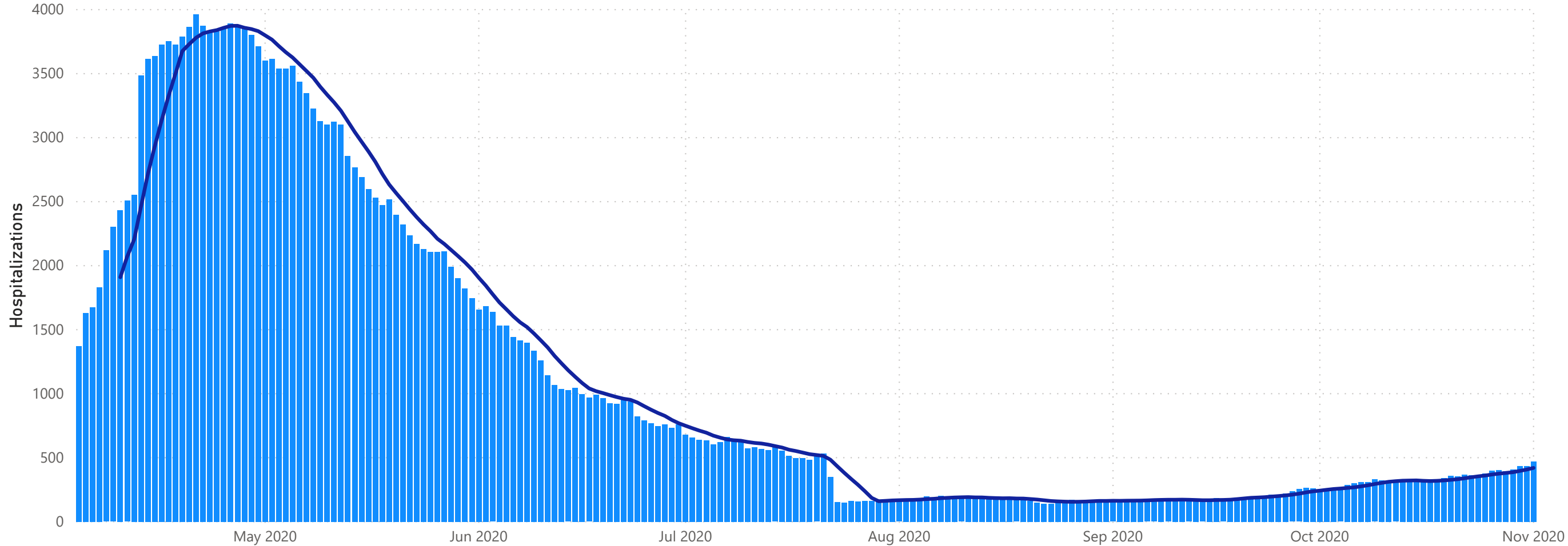
Definitions and Disclaimers



# Daily Confirmed Hospitalizations

Total Confirmed COVID Patients in Hospital

● Confirmed COVID Hospitalizations ● 7-Day Average of Confirmed COVID Hospitalizations



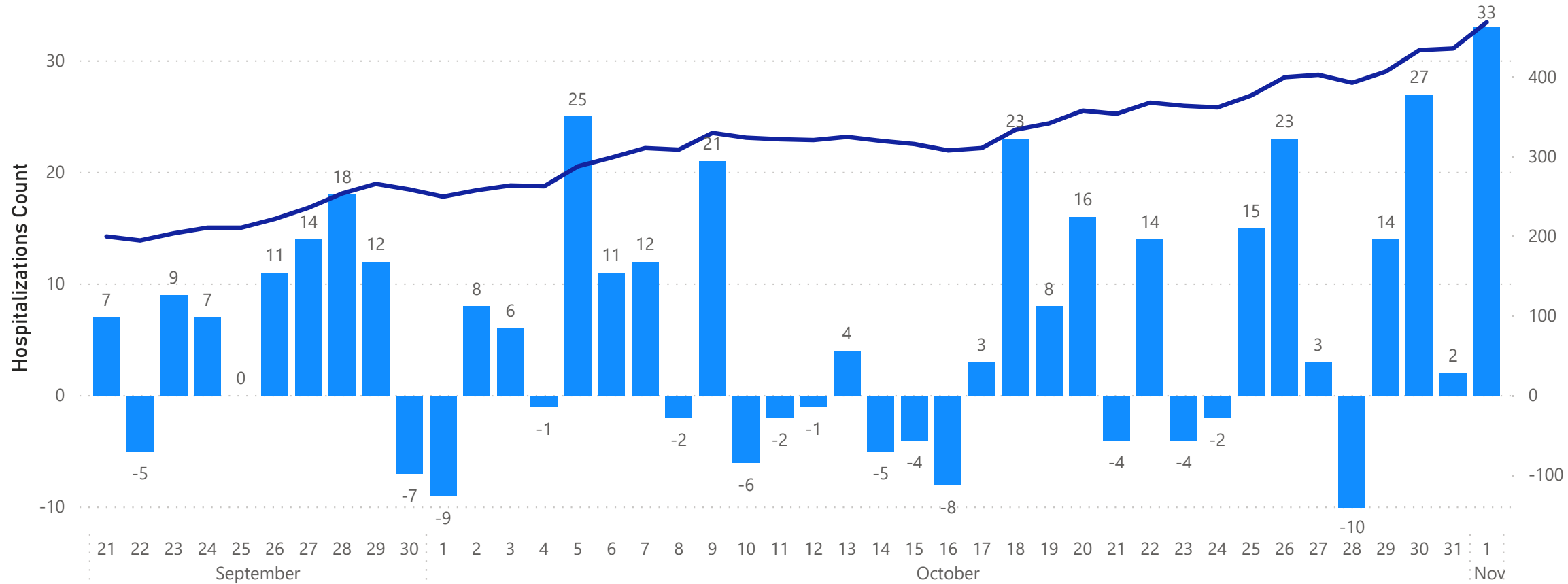
Data Sources: COVID-19 Data provided by the MDPH survey of hospitals (hospital survey data are self-reported); Tables and Figures created by the Office of Population Health.  
Notes: data are current as of 3:00pm the day before the date at the top of the page. For purposes of this reporting, "confirmed" are cases with a PCR test.



# Daily COVID-19 Hospitalizations

Patients Reported as Hospitalized with Confirmed COVID-19 by Date

● Changes in Confirmed Hospitalized Patients by Date ● Total Hospital Census Today



Confirmed COVID-19  
Cases Currently  
Hospitalized

**469**

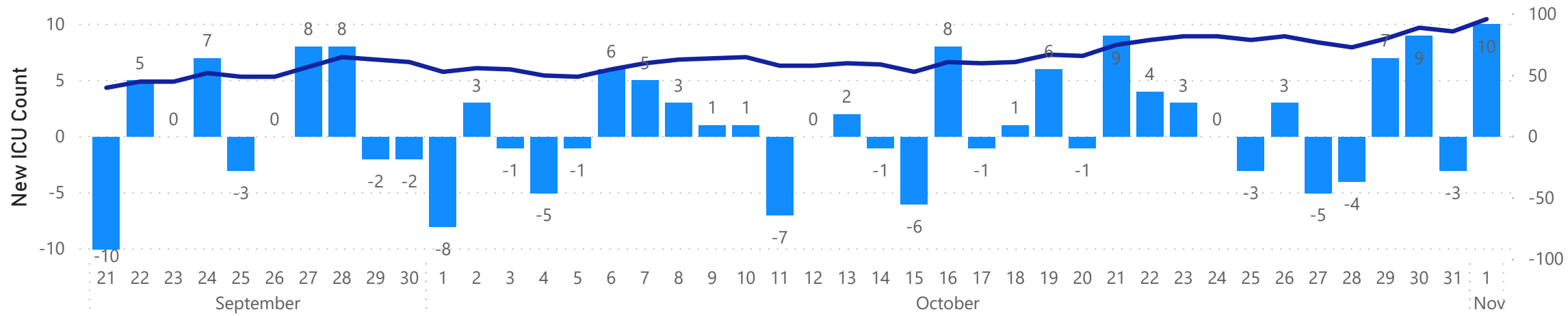
Data Sources: COVID-19 Data provided by the MDPH survey of hospitals (hospital survey data are self-reported); Tables and Figures created by the Office of Population Health.  
Notes: data are current as of 3:00pm the day before the date at the top of the page. For purposes of this reporting, "confirmed" are cases with a PCR test.



# Daily and Cumulative COVID-19 ICU and Intubations

Patients Reported in ICU with COVID-19 by Date

● Changes in ICU Count by Date ● Confirmed Patients in ICU

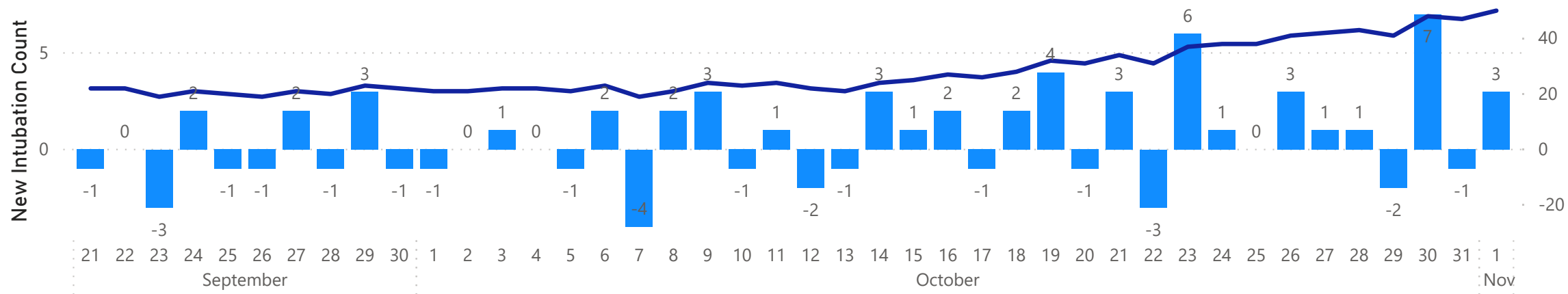


Count of Cases Currently in ICU

96

Patients Reported as Intubated with COVID-19 by Date

● Changes in Intubation Count by Date ● Confirmed Patients Intubated



Count of Cases Currently Intubated

50

Data Sources: COVID-19 Data provided by the MDPH survey of hospitals (hospital survey data are self-reported); Tables and Figures created by the Office of Population Health.  
 Notes: data are current as of 3:00pm the day before the date at the top of the page.

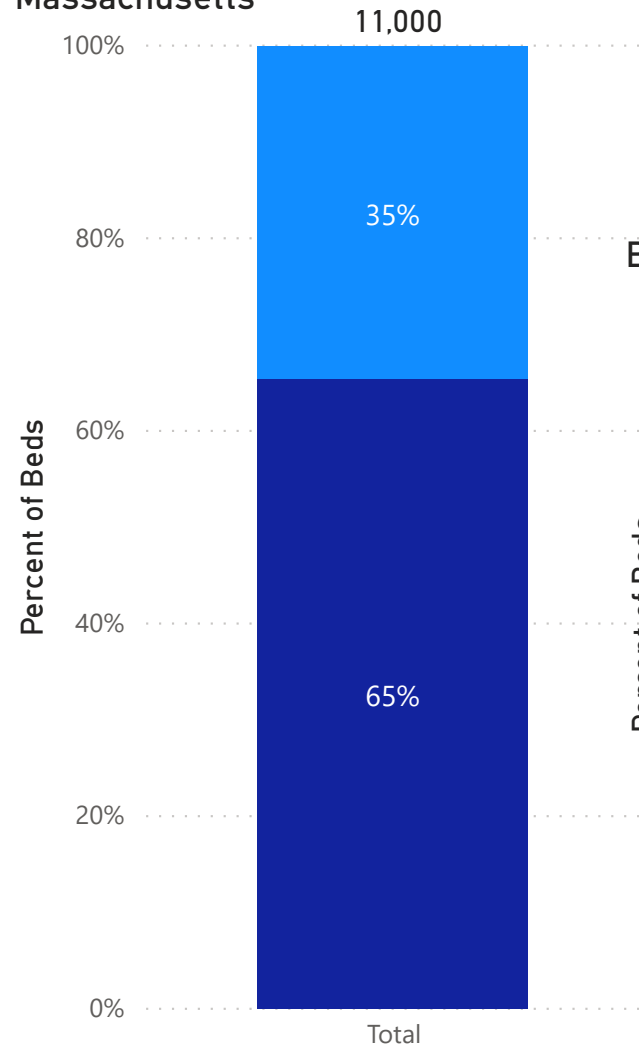




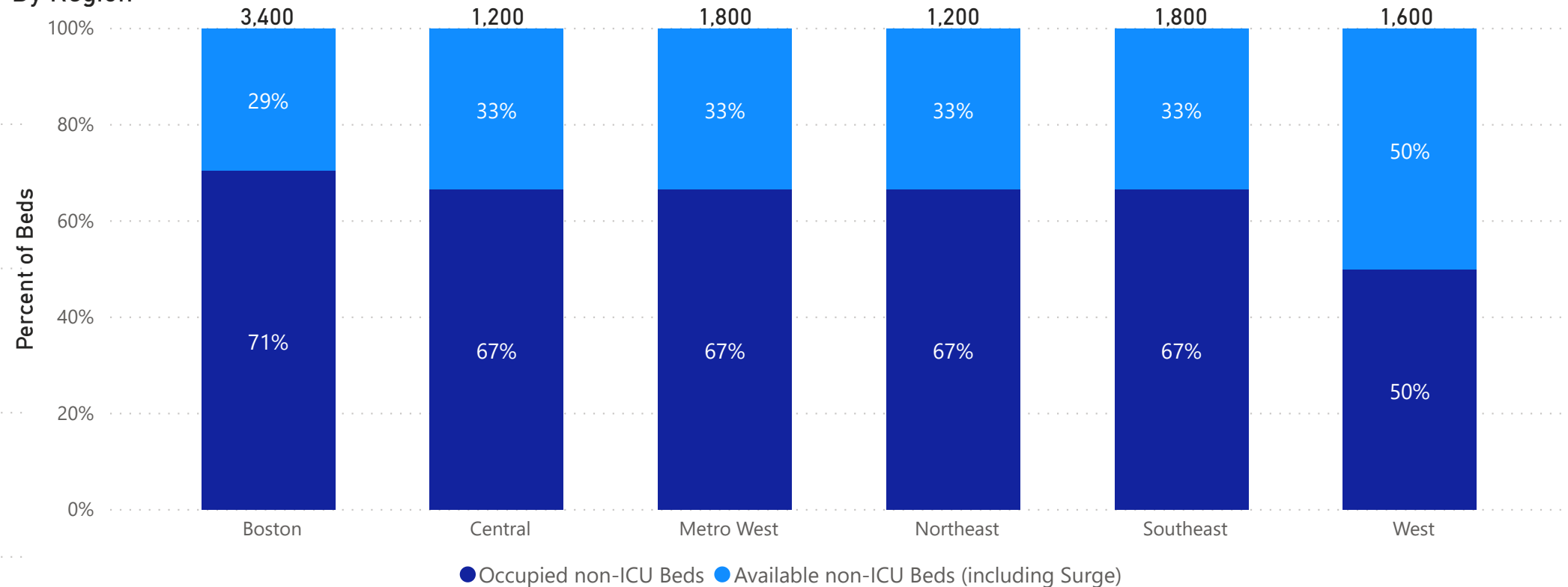
# Total Hospital Capacity by Region (Non-ICU)

Data collected as of 11/1/2020 3:00pm

## Massachusetts



## By Region



● Occupied non-ICU Beds ● Available non-ICU Beds (including Surge)

### Occupancy/ availability as reported by hospitals to DPH.

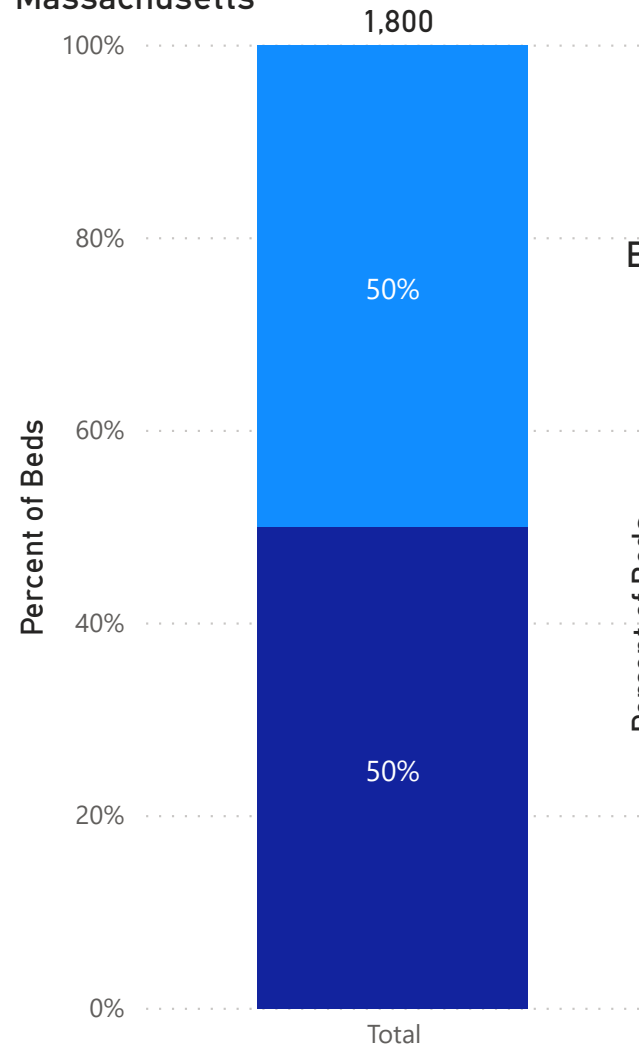
Regions shown represent EOHHS Regions. Note that total bed estimates may change day-to-day due to hospitals updating surge planning. As of June 16th, data reflects updated data collection methodology and the removal of unstaffed beds from this analysis. Analysis here reflects total beds that hospitals could staff within 12-24 hours. As of 9/8/20, all observation beds and observation status patients will be included in the Available Non-ICU Beds and Occupied Non-ICU Beds categories.



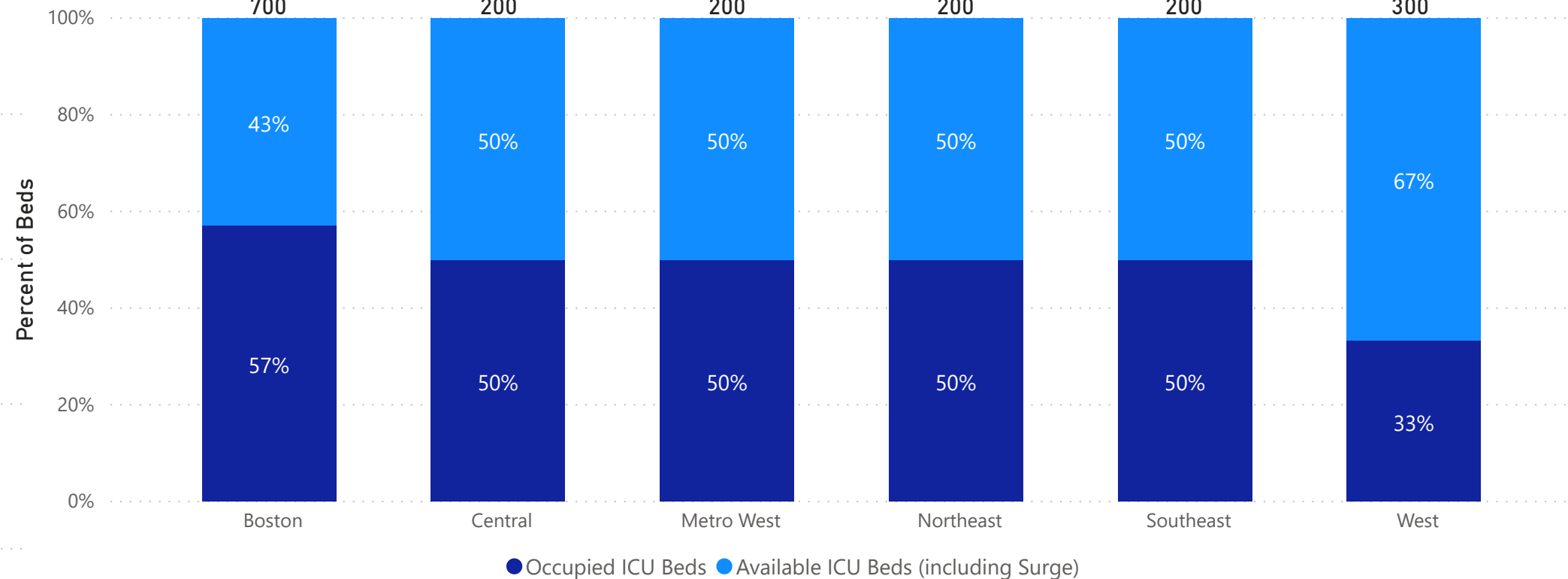
# Total Hospital Capacity by Region (ICU)

Data collected as of 11/1/2020 3:00pm

## Massachusetts



## By Region



● Occupied ICU Beds ● Available ICU Beds (including Surge)

### Occupancy/ availability as reported by hospitals to DPH.

Regions shown represent EOHHS Regions. Note that total bed estimates may change day-to-day due to hospitals updating surge planning. As of June 16th, data reflects updated data collection methodology and the removal of unstaffed beds from this analysis. Analysis here reflects total beds that hospitals could staff within 12-24 hours. As of 9/8/20, all observation beds and observation status patients will be included in the Available Non-ICU Beds and Occupied Non-ICU Beds categories.



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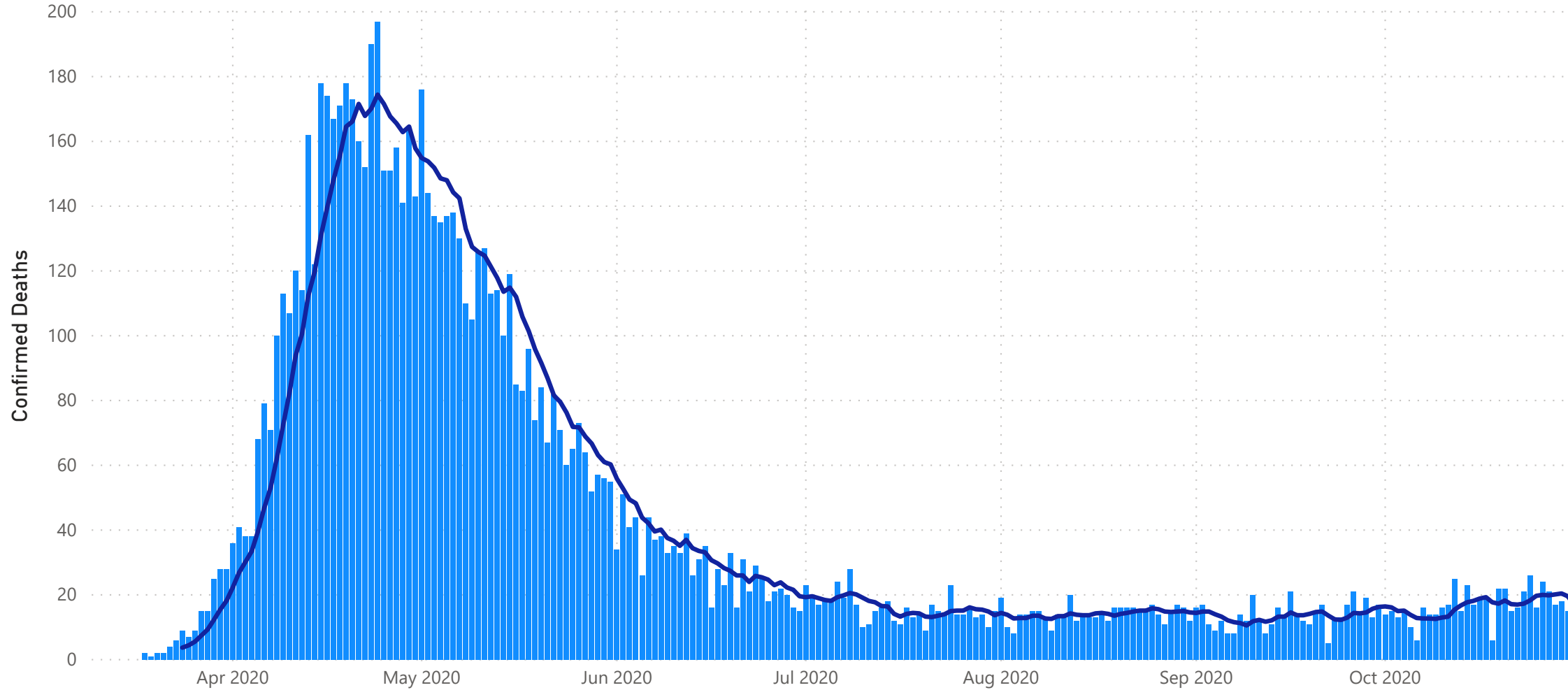


# Massachusetts Department of Public Health COVID-19 Dashboard- Daily Confirmed Deaths (Since March)

Monday, November 02, 2020

### Confirmed COVID Deaths by Date of Death

● Confirmed Deaths ● 7-Day Average of Confirmed Deaths



Total Deaths  
Among Confirmed  
Cases  
**9,797**

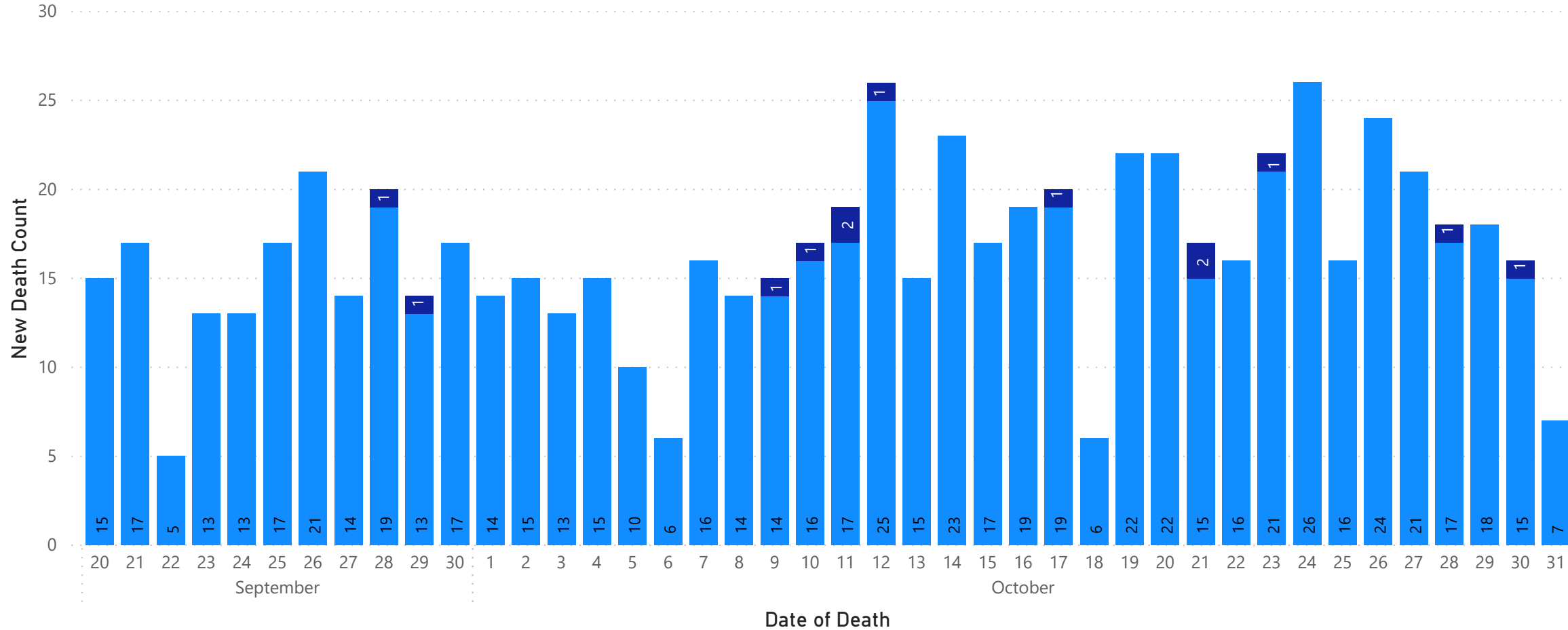
Data Sources: COVID-19 Data provided by the Bureau of Infectious Disease and Laboratory Sciences; State Population Estimate 2019: Small Area Population Estimates 2011-2020, version 2019, Massachusetts Department of Public Health, Bureau of Environmental Health; Tables and Figures created by the Office of Population Health.  
Note: all data are current as of 8:00am on the date at the top of the page.



# Daily and Cumulative Deaths

## Total Deaths\* in COVID-19 Cases by Date of Death

● New Confirmed Deaths ● New Probable Deaths



Total Deaths in COVID-19 Cases

**10,023**

Data Sources: COVID-19 Data provided by the Bureau of Infectious Disease and Laboratory Sciences and the Registry of Vital Records and Statistics; Tables and Figures created by the Office of Population Health  
 Note: all data are current as of 8:00am on the date at the top of the page; \*Counts on the trend chart do not match total number of deaths reported, as there is a several day lag in reporting by date of death. Includes both probable and confirmed cases. For confirmed and probable case definitions, please see the Glossary at the end of this document in "Definitions and Disclaimers".



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**Demographics, Activities, and Key Settings**

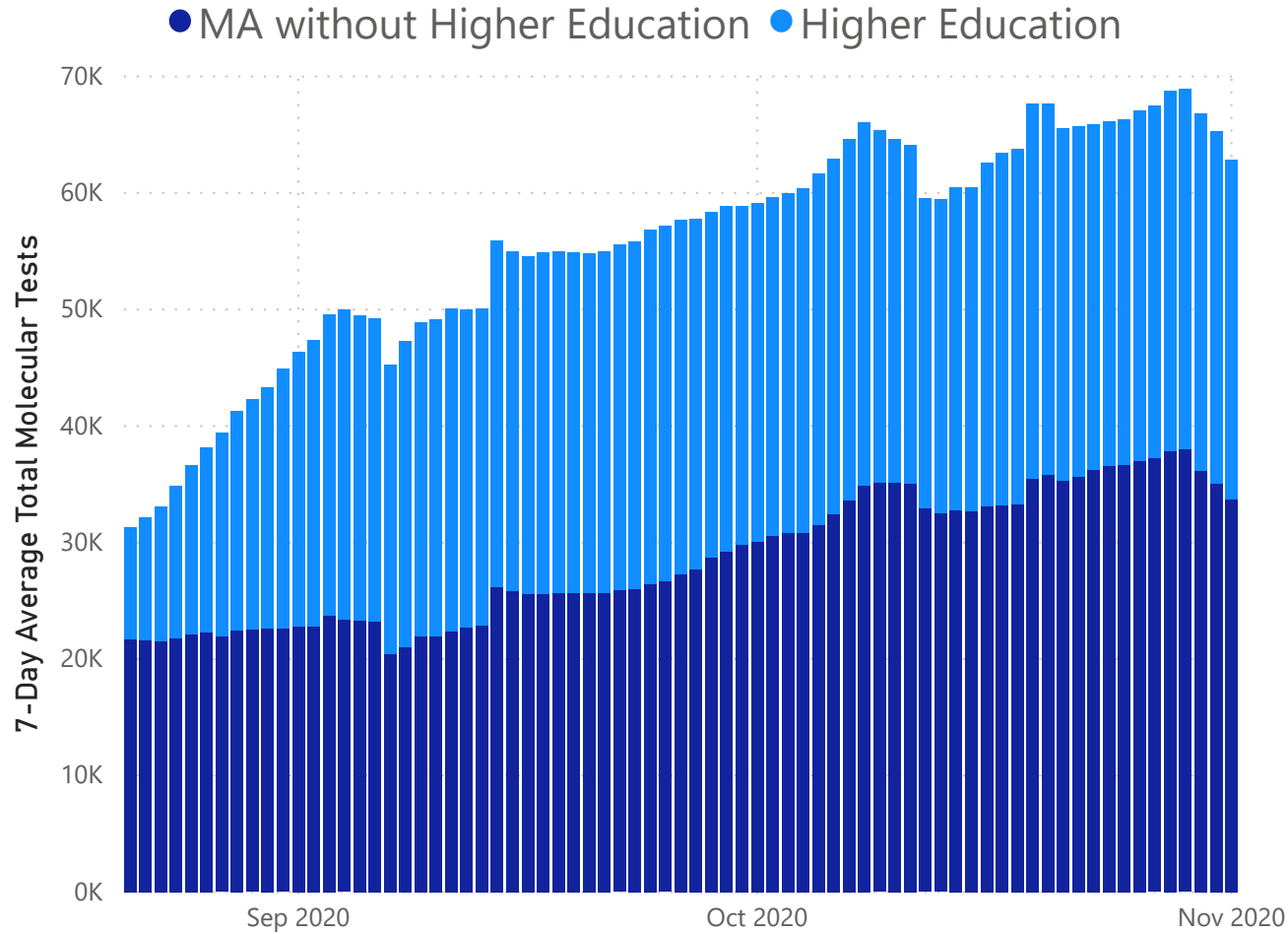
Definitions and Disclaimers



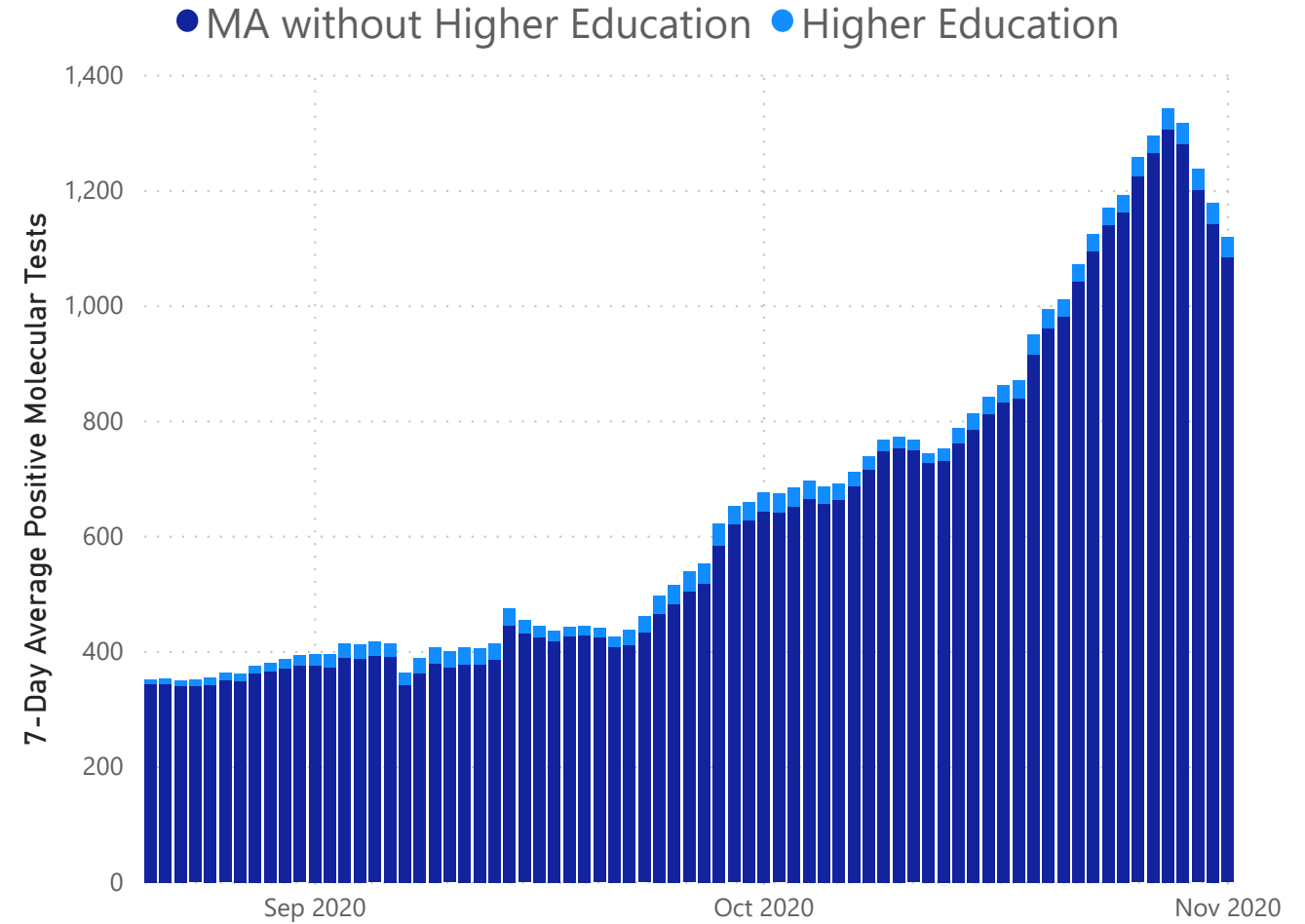
# Massachusetts Department of Public Health COVID-19 Dashboard- Monday, November 02, 2020

## All Molecular COVID-19 Tests Associated with Higher Education Testing

### 7-Day Average Total Molecular Tests by Date



### 7-Day Average Total Positive Molecular Tests by Date



Data Sources: COVID-19 Data provided by the Bureau of Infectious Disease and Laboratory Sciences; Tables and Figures created by the Office of Population Health.  
Note: all data are current as of 8:00am on the date at the top of the page. Due to lag in reporting by laboratories, counts for most recent dates are likely to be incomplete. This includes individuals who have had more than one molecular test.



# COVID-19 Cases in Long-Term Care (LTC) Facilities

Residents/Healthcare Workers of  
Long-Term Care Facilities with  
Probable or Confirmed COVID-19

**25,717**

Long-Term Care Facilities  
Reporting At Least One Probable  
or Confirmed Case of COVID-19

**391**

Probable or Confirmed COVID-19  
Deaths Reported in Long-Term  
Care Facilities

**6,432**





# Daily and Cumulative County Data

County	New Confirmed Cases Reported	Cumulative Confirmed Cases To Date	New Confirmed and Probable Deaths Reported	Cumulative Confirmed and Probable Deaths To Date
▲				
Barnstable	9	2,060	0	185
Berkshire	14	803	0	52
Bristol	105	12,917	1	764
Dukes	0	90		
Dukes and Nantucket			0	2
Essex	112	24,612	0	1,358
Franklin	4	487	1	74
Hampden	66	10,425	1	822
Hampshire	1	1,521	0	155
Middlesex	126	32,907	0	2,288
Nantucket	0	172		
Norfolk	49	12,138	2	1,114
Plymouth	50	11,681	2	841
Suffolk	135	29,166	1	1,184
Unknown	0	329	0	5
Worcester	60	17,077	2	1,179
<b>Total</b>	<b>731</b>	<b>156,385</b>	<b>10</b>	<b>10,023</b>

Data Sources: COVID-19 Data provided by the Bureau of Infectious Disease and Laboratory Sciences and the Registry of Vital Records and Statistics; Tables and Figures created by the Office of Population Health  
 Note: all data are current as of 8:00am on the date at the top of the page. Includes both probable and confirmed cases. For the COVID-19 probable case definition, please see the Glossary at the end of this document in "Definitions and Disclaimers".



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**Definitions and Disclaimers**



## Department of Corrections Data

Department of Corrections as required by Chapter 93 of the Acts of 2020, previously found in this dashboard, are available at <https://www.mass.gov/guides/doc-coronavirus-information-guide> and on the dashboard website: <https://www.mass.gov/info-details/covid-19-response-reporting> under "Additional COVID-19 data."

Direct links to the DOC information found on those pages include:

- Inmate data - <https://www.mass.gov/info-details/doc-covid-19-inmate-dashboard>
- Staff data - <https://www.mass.gov/lists/doc-covid-19-staff-testing-reports>
- Inmate Housing Reports - <https://www.mass.gov/lists/doc-covid-19-institution-cell-housing-reports>



# Glossary of Terms

Please Note: the following terms and definitions apply to COVID-19 only.

**Case Definition:** A standard set of criteria (including symptoms, laboratory tests and exposure) used to count persons who may have COVID-19. Case definitions tell public health professionals which people with disease to count; they don't tell healthcare providers how to diagnose or treat COVID.

**Confirmed Case:** A person is counted as a confirmed case of COVID-19 if they have a positive molecular test.

**Probable Case:** A person is counted as a probable case in three ways:

1. if they have a positive antigen test;
2. if they have COVID symptoms AND were exposed to someone with COVID;
3. if they died and their death certificate lists COVID as a cause of death.

More complete information about the COVID-19 case definition may be found here: [https://cdn.ymaws.com/www.cste.org/resource/resmgr/ps/positionstatement2020/Interim-20-ID-02\\_COVID-19.pdf](https://cdn.ymaws.com/www.cste.org/resource/resmgr/ps/positionstatement2020/Interim-20-ID-02_COVID-19.pdf)

**COVID-19 Antigen Test:** This test identifies the presence of proteins on the surface of the virus. These diagnostic tests are somewhat less accurate (i.e., low sensitivity) than molecular tests but a positive result is suggestive of current infection.

**COVID-19 Molecular Test:** Also known as a PCR test. This diagnostic test identifies the presence of virus's genetic material. These tests are very accurate and a positive result means someone has current or very recent infection.

**Estimated active cases:** Patients with a confirmed COVID-19 diagnosis in the last 21 days.

**Testing by Date:** This refers to the date the sample (usually nasal swab or blood) was taken. Most reports and figures in this dashboard use this date.

**Total Tests:** This represents the total number of tests done and includes people who have had multiple tests.