Dashboard of Public Health Indicators

Testing and Cases

Total Cases By Age Group from 10/25/2020-11/7/2020 *

| Newly Reported Confirmed Cases	Total New Molecular Tests Reported	7-Day Average Positivity	Estimated Active Cases
2,076	71,371	3.06%	30,374

Hospitalization

Total Confirmed COVID Patients in Hospital	Total Confirmed COVID Patients in ICU	Average Age of Cases that were Hospitalized*
737	159	67

Deaths   Turnaround Time

Newly Reported Deaths among Confirmed	Average Age of Deaths*	14-Day Average Turnaround (from Test Sample to Report to DPH)*
33	80	1.83

Age Group	Cases
0-19 years	3,608
20-29 years	4,278
30-39 years	3,466
40-49 years	2,909
50-59 years	2,700
60-69 years	1,793
70-79 years	862
80+ years	576

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 10/25/2020 to 11/07/2020. Please see the most current weekly dashboard for more details https://www.mass.gov/info-details/covid-19-response-reporting

*Last updated Wednesday, November 11, 2020

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

Percent of Change Since Lowest Observed Value (LOV)

7-Day Average of New Confirmed Cases

2K
1K

681 700 710 778 826 869 930 982 1,018 1,040 1,104 1,137 1,171 1,174 1,159 1,171 1,176 1,222 1,302 1,407 1,551 1,707 1,768 1,827 2,012 2,105 2,091 2,022 1,891 1,772

16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 1 2 3 4 5 6 7 8 9 10 11 12 13 14
October   November

1,028%

LOV = **157**

7-Day Weighted Average of Positive Molecular Test Rate*

3%
2%
1%

1.3% 1.4% 1.4% 1.4% 1.5% 1.5% 1.6% 1.7% 1.8% 1.8% 1.9% 1.9% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.1% 2.2% 2.4% 2.6% 2.6% 2.7% 2.9% 3.0% 3.1% 3.1% 3.1% 3.1%

16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 1 2 3 4 5 6 7 8 9 10 11 12 13 14
October   November
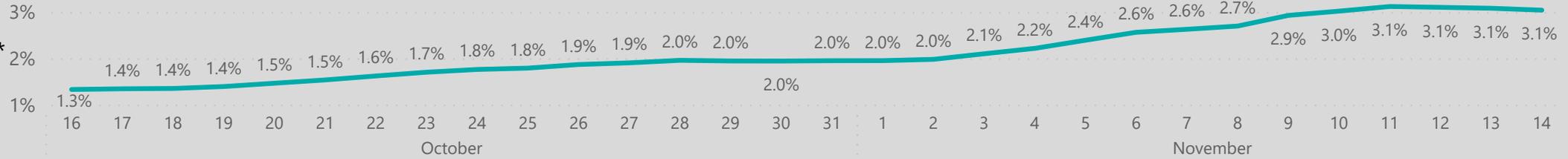
295%

LOV = **0.8%**

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

600
400

319 318 319 322 327 332 339 347 355 361 369 375 381 387 397 407 420 432 447 462 477 491 510 527 546 568 592 617 641 665

16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 1 2 3 4 5 6 7 8 9 10 11 12 13 14
October   November
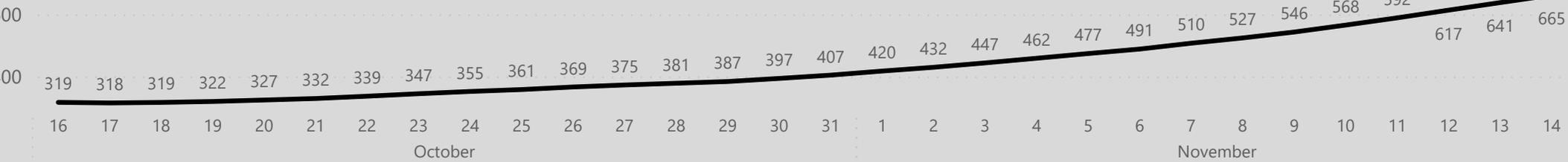
328%

LOV = **155**

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

24
22
20
18
16

18 19 19 18 17 18 17 17 17 18 20 20 20 21 21 21 19 19 19 20 18 19 21 21 21 22 23 22 23

15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 1 2 3 4 5 6 7 8 9 10 11 12 13
October   November
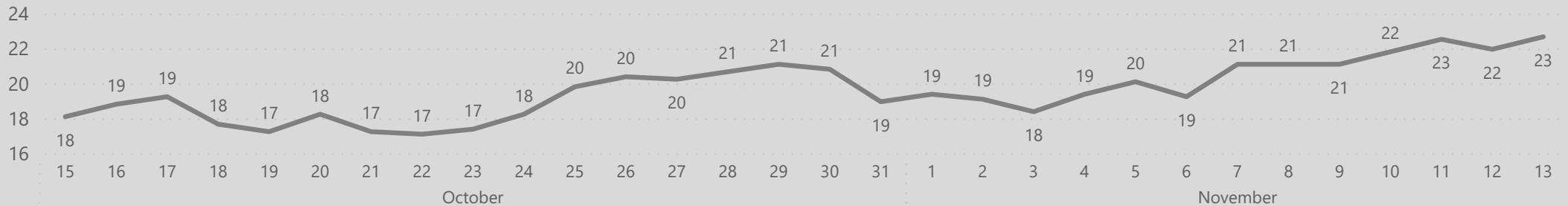
115%

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.

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Massachusetts Department of Public Health COVID-19 Dashboard- Sunday, November 15, 2020

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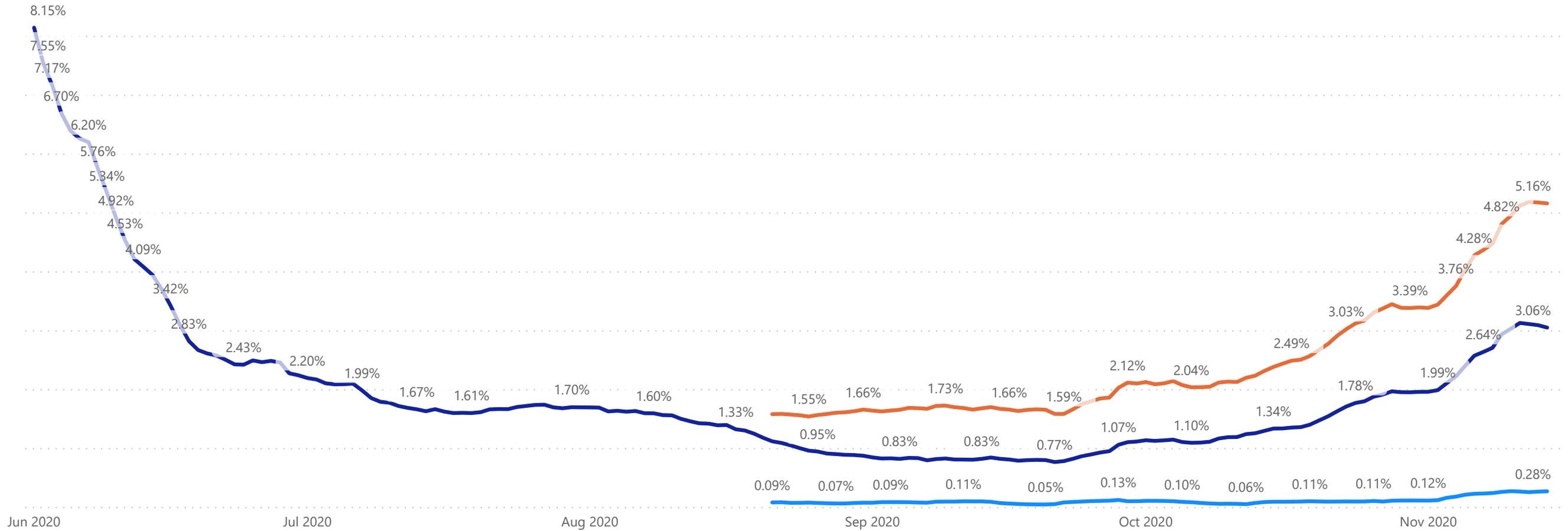
Data Sources: COVID-19 Data provided by the Bureau of Infectious Disease and Laboratory Sciences; Tables and Figures created by the Office of Population Health.
Note: all data are current as of 8:00am on the date at the top of the page. Due to lag in reporting by laboratories, counts for most recent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

Massachusetts Department of Public Health COVID-19 Dashboard-

Sunday, November 15, 2020

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
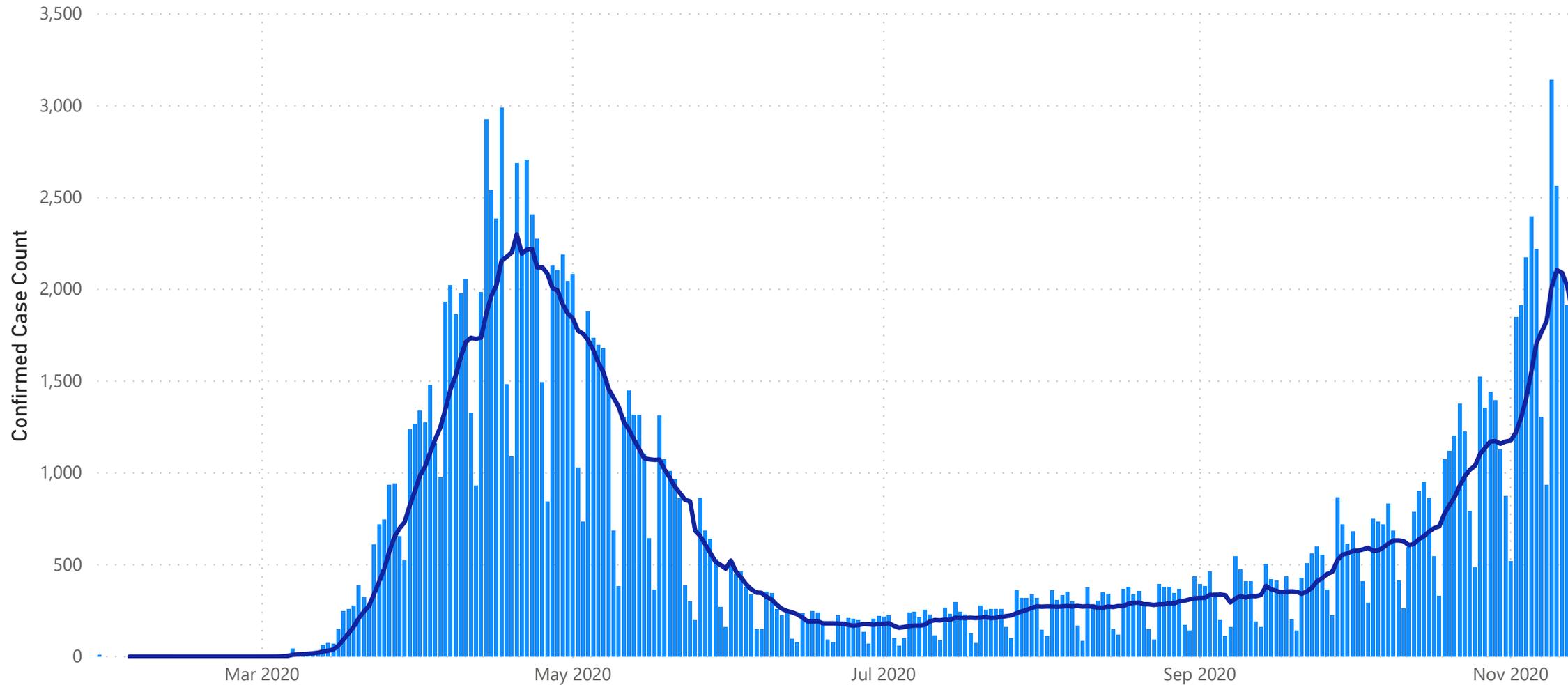
Total Confirmed Cases

182,544

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

20.7

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.

*Last updated Wednesday, November 11, 2020; Covers 10/25/2020-11/7/2020.

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Daily Confirmed Cases (Past 6 Weeks)

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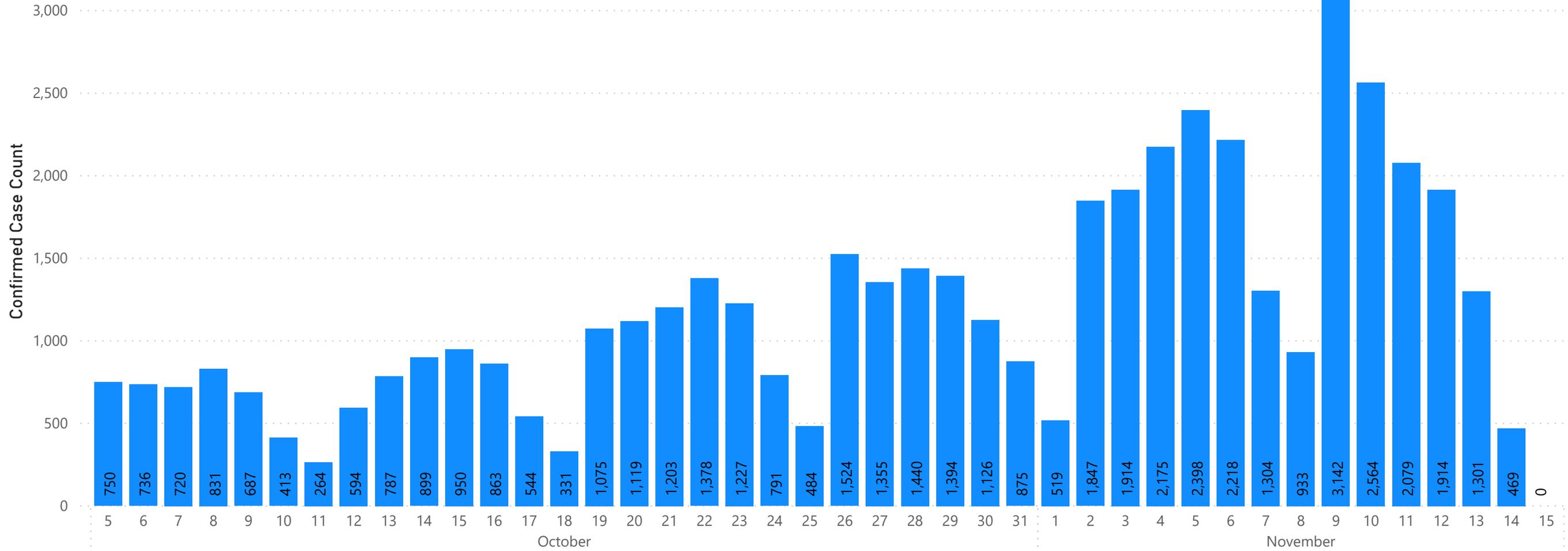
Data Sources: COVID-19 Data provided by the Bureau of Infectious Disease and Laboratory Sciences; Tables and Figures created by the Office of Population Health.
Note: all data are current as of 8:00am on the date at the top of the page. Due to lag in reporting by laboratories, counts for most recent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

Massachusetts Department of Public Health COVID-19 Dashboard-
Positive Tests by Age Group

Sunday, November 15, 2020

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
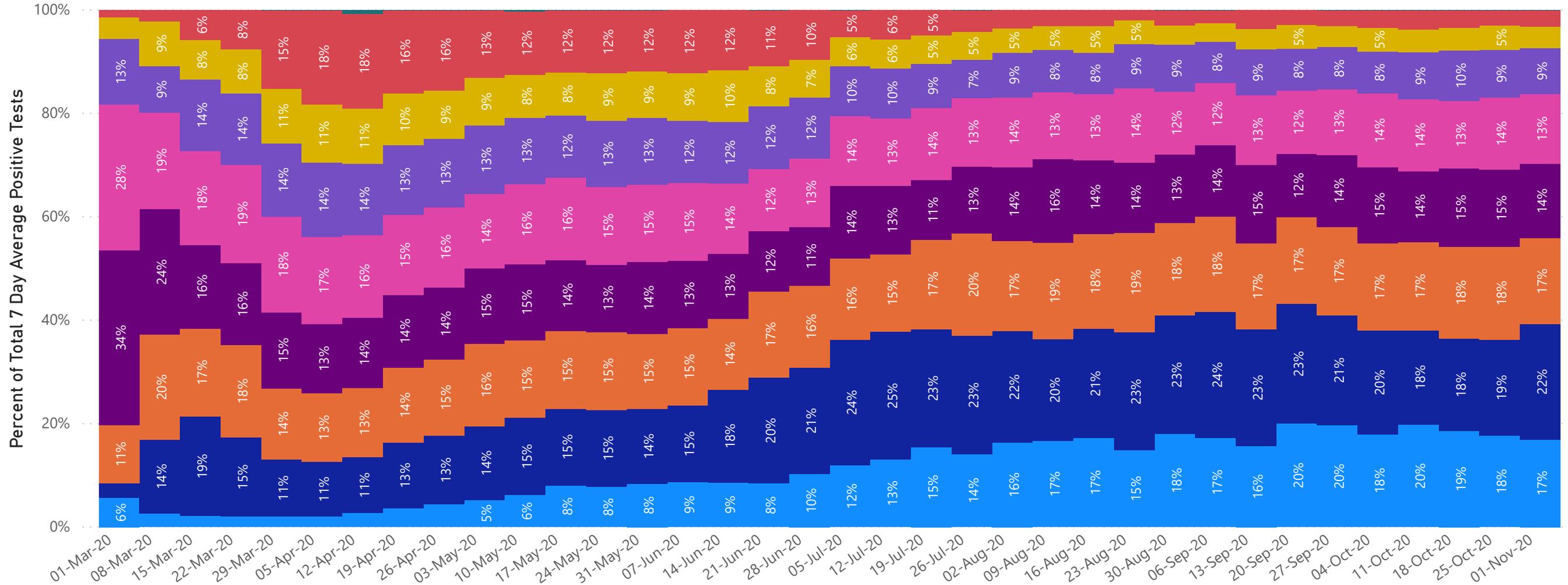
Full Week of Testing Starting on the Date Shown

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: this data was last updated on Wednesday, November 11, 2020. This includes individuals who have had more than one molecular test.

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

Total Molecular Tests by Date

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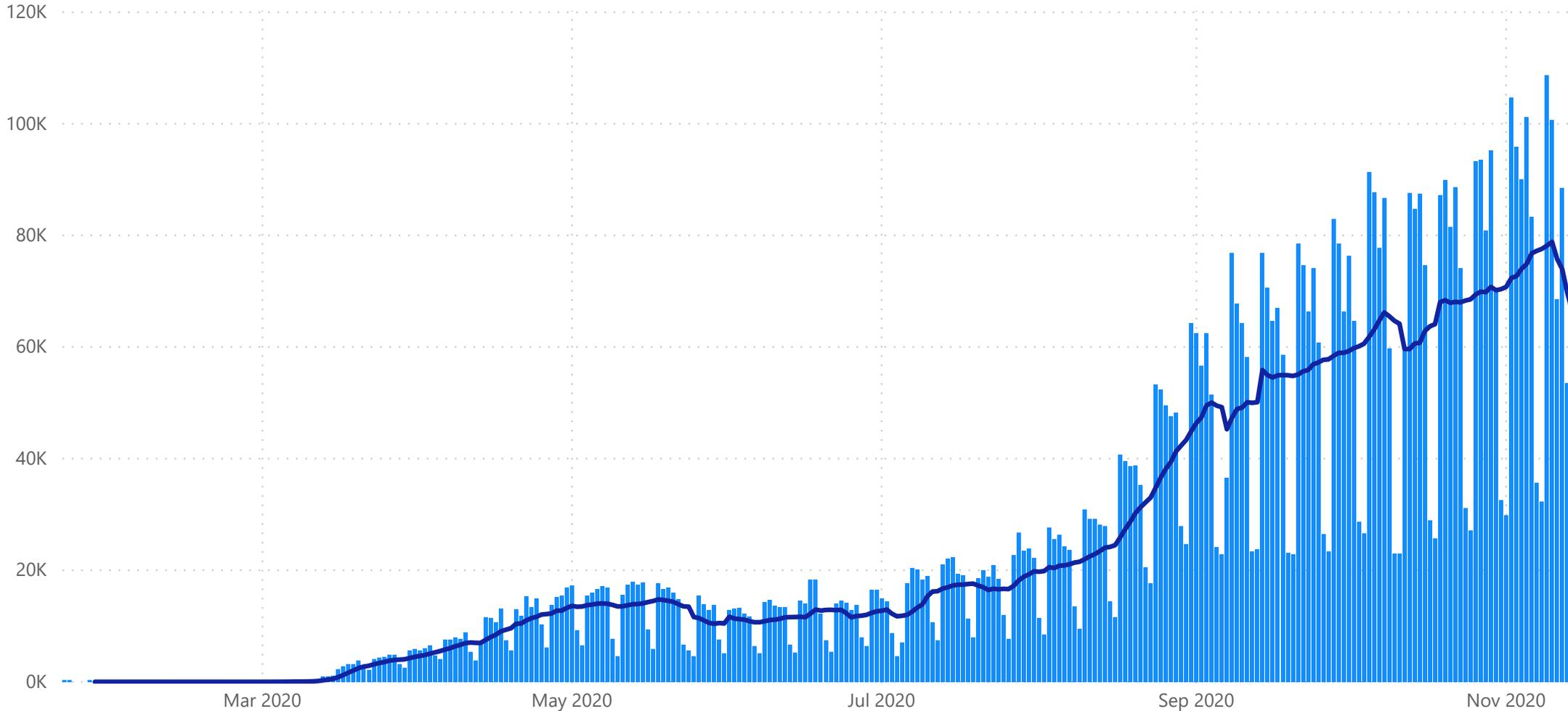
Total Molecular Tests Administered

7,268,466

7-Day Average Test Rate per 100,000 Residents

953

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.

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

Total Number of Molecular Tests Performed by Date
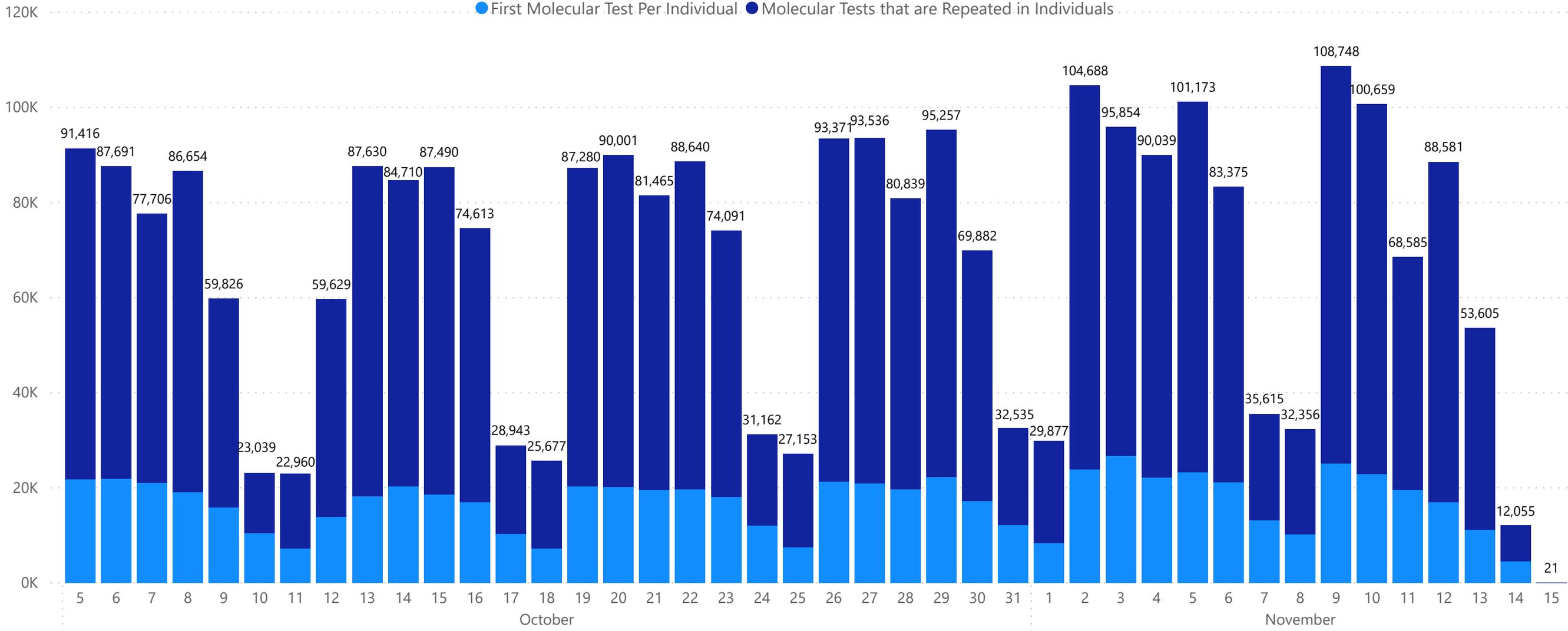
● First Molecular Test Per Individual   ● Molecular Tests that are Repeated in Individuals

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	Total Probable Cases
57	5,731

Newly Reported Deaths Among Probable	Total Deaths Among Probable Cases
3	231

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 cumulative and current as of 8:00am on the date at the top of the page. For the COVID-19 probable case definition, please see the Glossary at the end of this document in "Definitions and Disclaimers".

![Massachusetts Department of Public Health COVID-19 Dashboard - Testing by Date - Antigens, Sunday, November 15, 2020. Number of Individuals Tested by Antigens by Test Date. New Individuals Tested by Antigen Tests: 830. Total Individuals Tested by Antigen Tests: 222,261. Stacked bar chart showing Individuals with Negative Antigen Tests (light blue) and Individuals with Positive Antigen Tests (dark blue) by date from October 5 to November 15.](image)
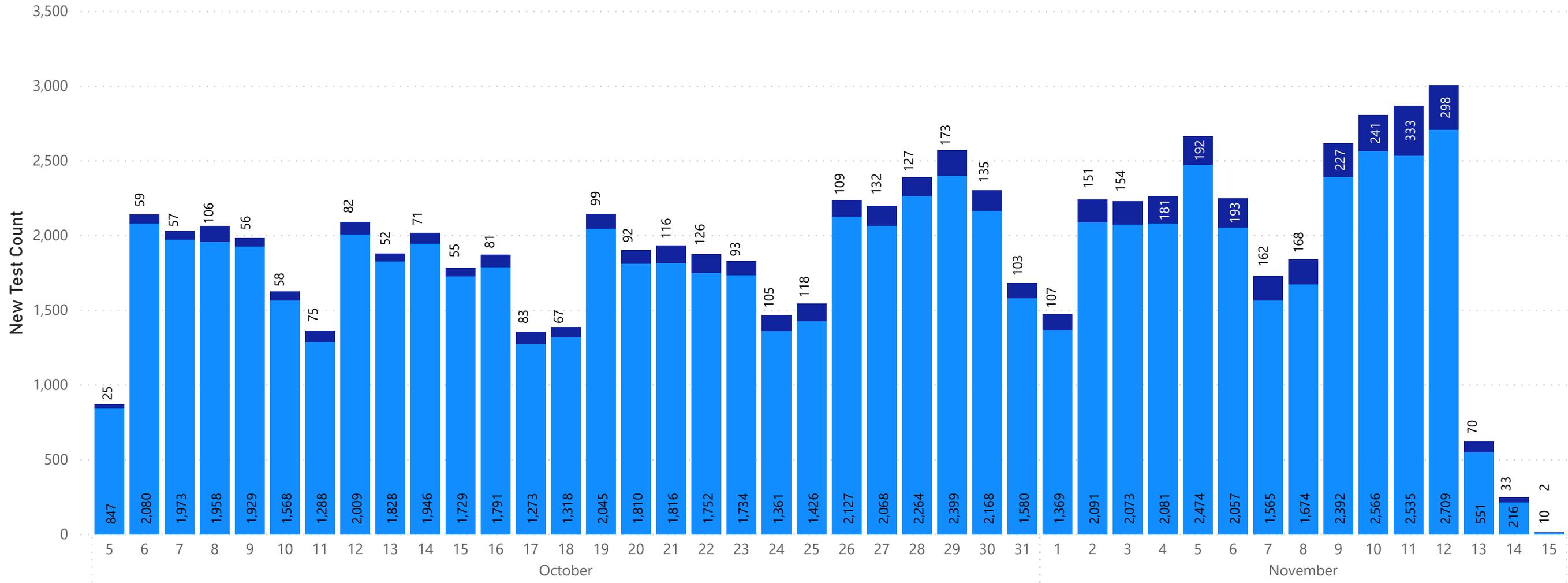
Data Sources: COVID-19 Data provided by the Bureau of Infectious Disease and Laboratory Sciences; Tables and Figures created by the Office of Population Health.
Note: all data are current as of 8:00am on the date at the top of the page. Due to lag in reporting by laboratories, counts for most recent dates are likely to be incomplete.

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Daily Confirmed Hospitalizations

Total Confirmed COVID Patients in Hospital

● Confirmed COVID Hospitalizations ● 7-Day Average of Confirmed COVID Hospitalizations
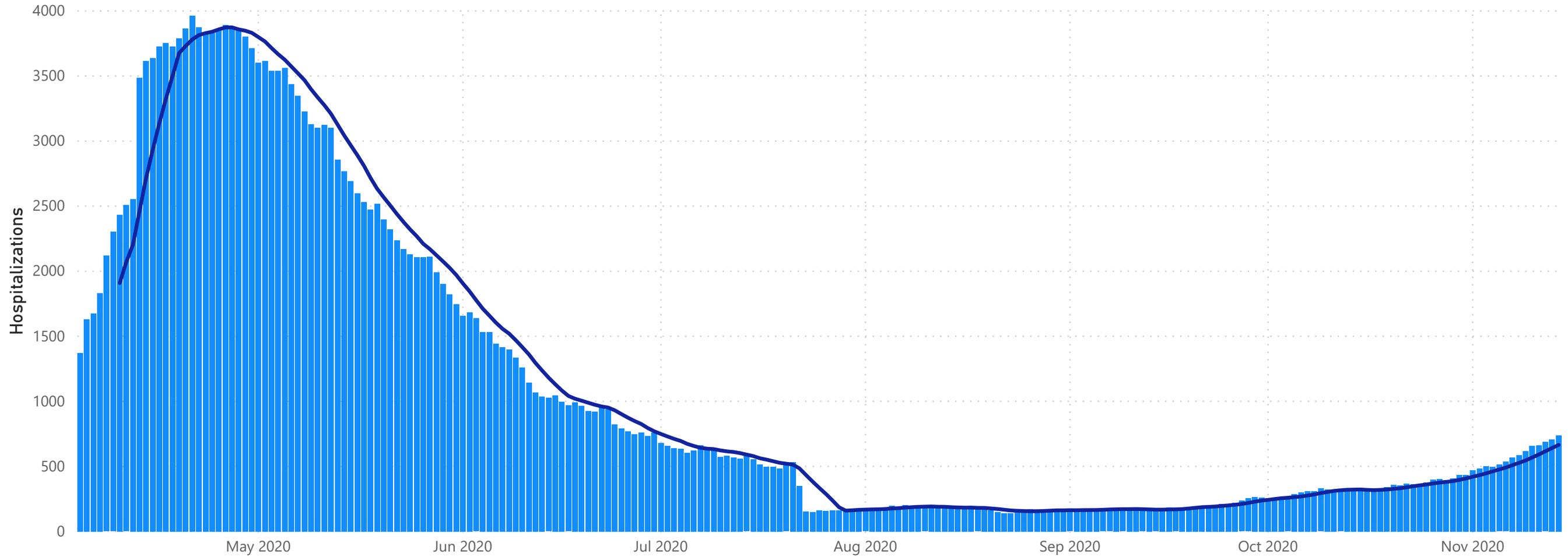
Data Sources: COVID-19 Data provided by the MDPH survey of hospitals (hospital survey data are self-reported); Tables and Figures created by the Office of Population Health.

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. Data prior to July 22, 2020 include both confirmed and suspected COVID hospitalizations, as confirmed COVID hospitalizations were not reported separately during this time.

Massachusetts Department of Public Health COVID-19 Dashboard-
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
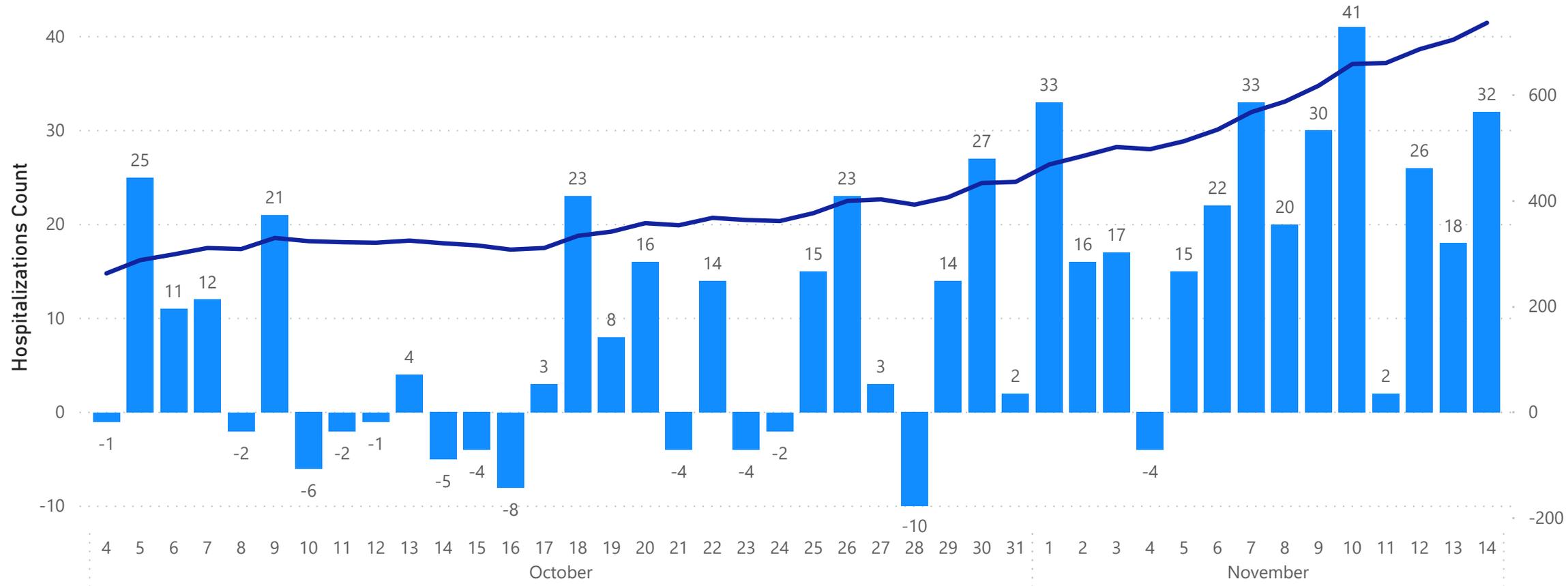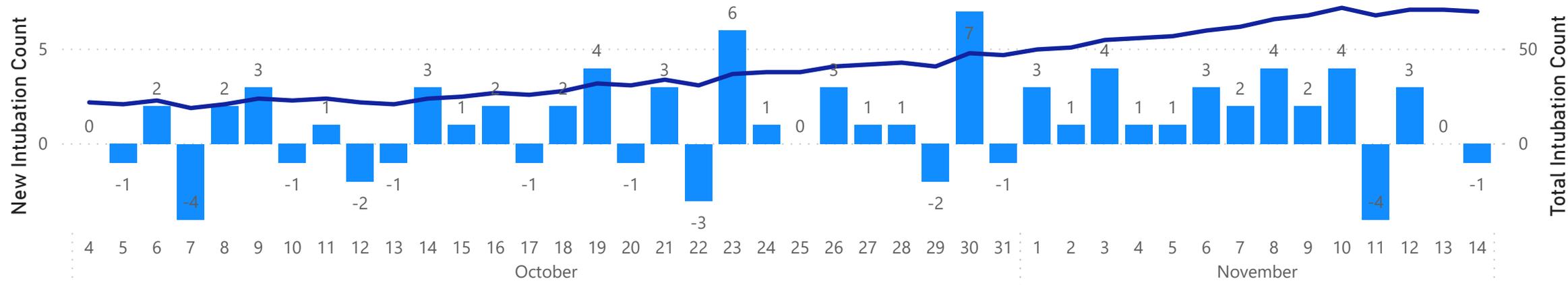
Confirmed COVID-19 Cases Currently Hospitalized

737

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

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.

Massachusetts Department of Public Health COVID-19 Dashboard- **Sunday, November 15, 2020**

Total Hospital Capacity by Region (Non-ICU)

**Data collected as of 11/14/2020 3:00pm**
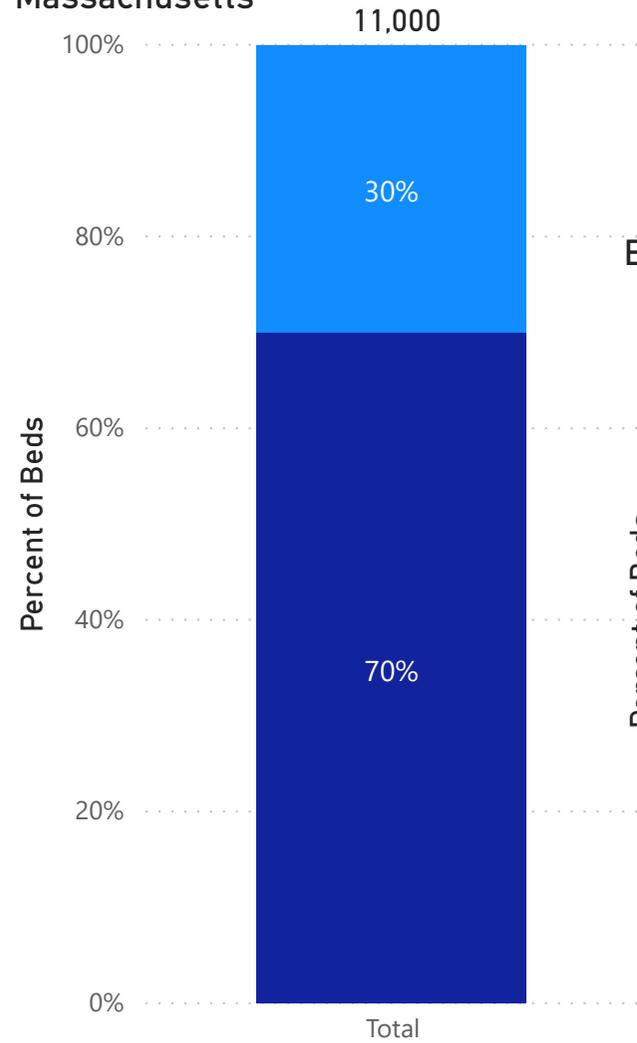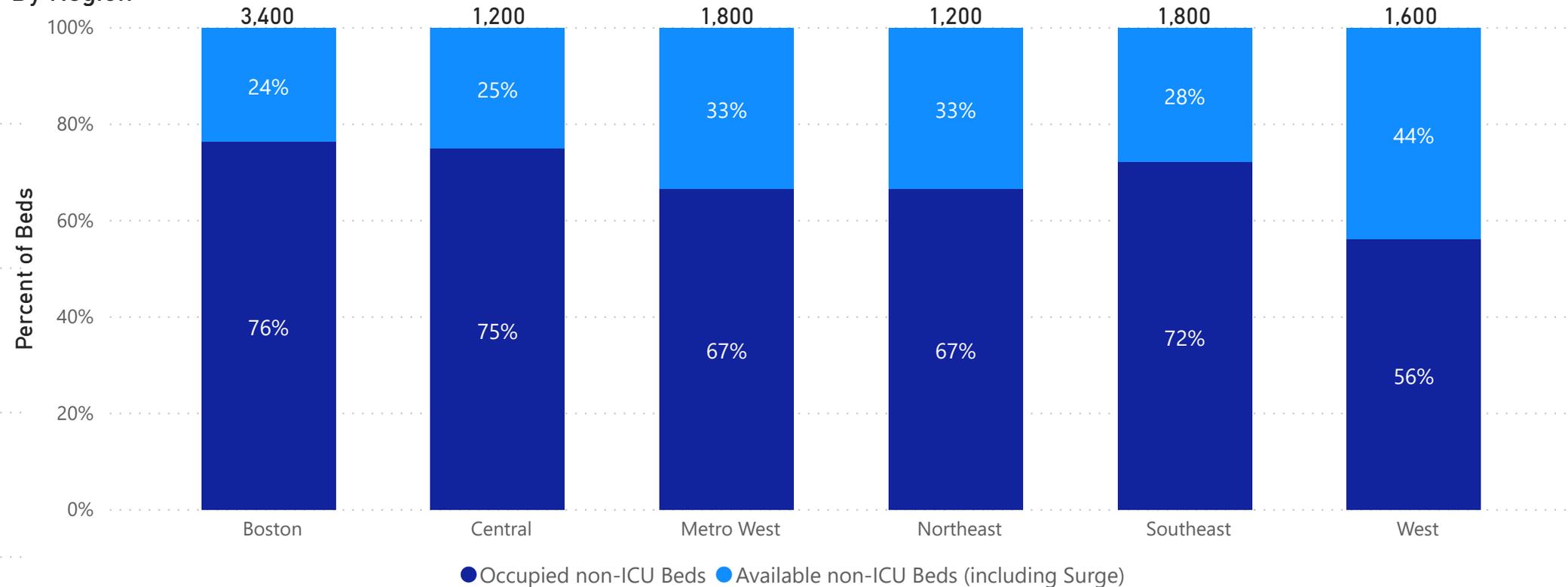
Occupancy/ availability as reported by hospitals to DPH.

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.

Massachusetts Department of Public Health COVID-19 Dashboard-

Total Hospital Capacity by Region (ICU)

Data collected as of 11/14/2020 3:00pm
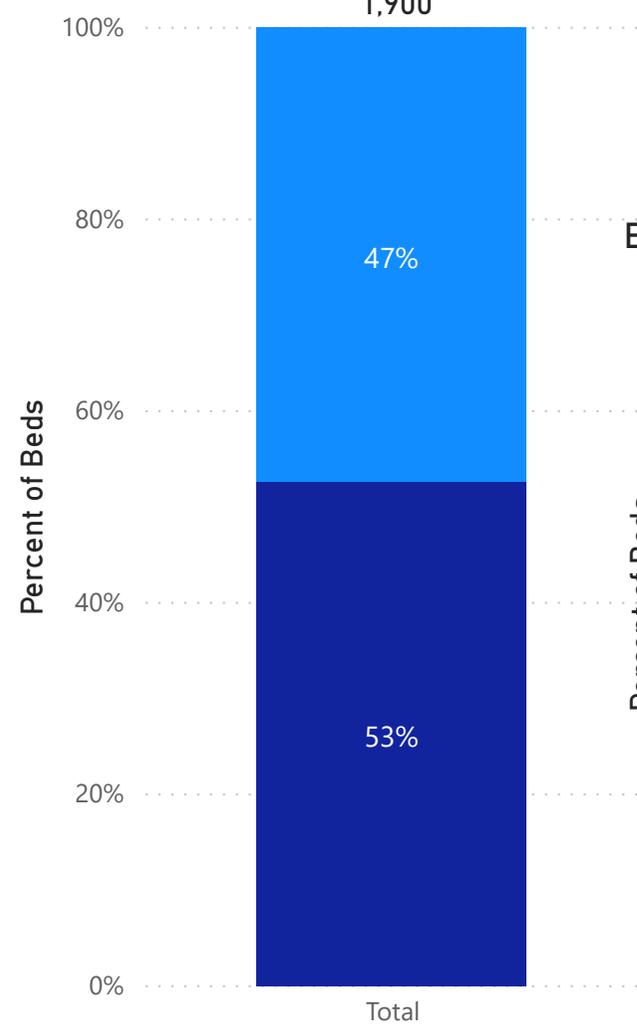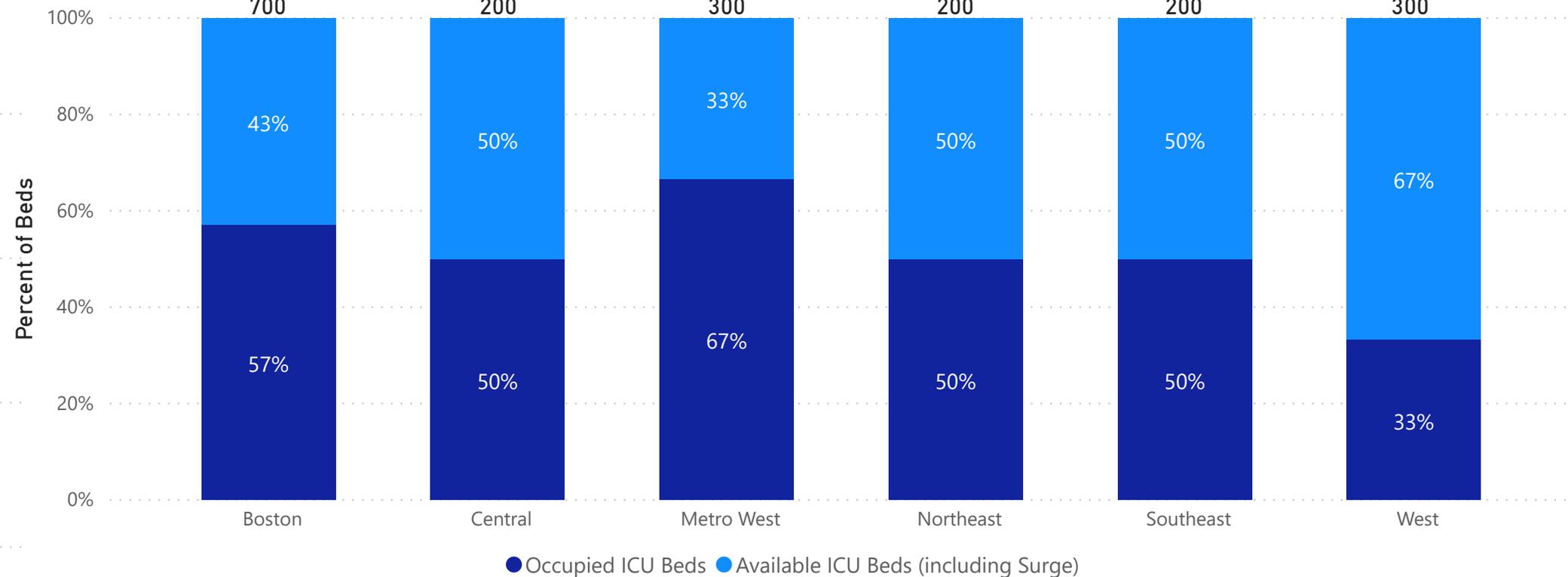
Occupancy/ availability as reported by hospitals to DPH.
Regions shown represent EOHHS Regions. Note that total bed estimates may change day-to-day due to hospitals updating surge planning. As of June 16th, data reflects updated data collection methodology and the removal of unstaffed beds from this 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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Daily and Cumulative Deaths

Sunday, November 15, 2020

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

● New Confirmed Deaths ● New Probable Deaths
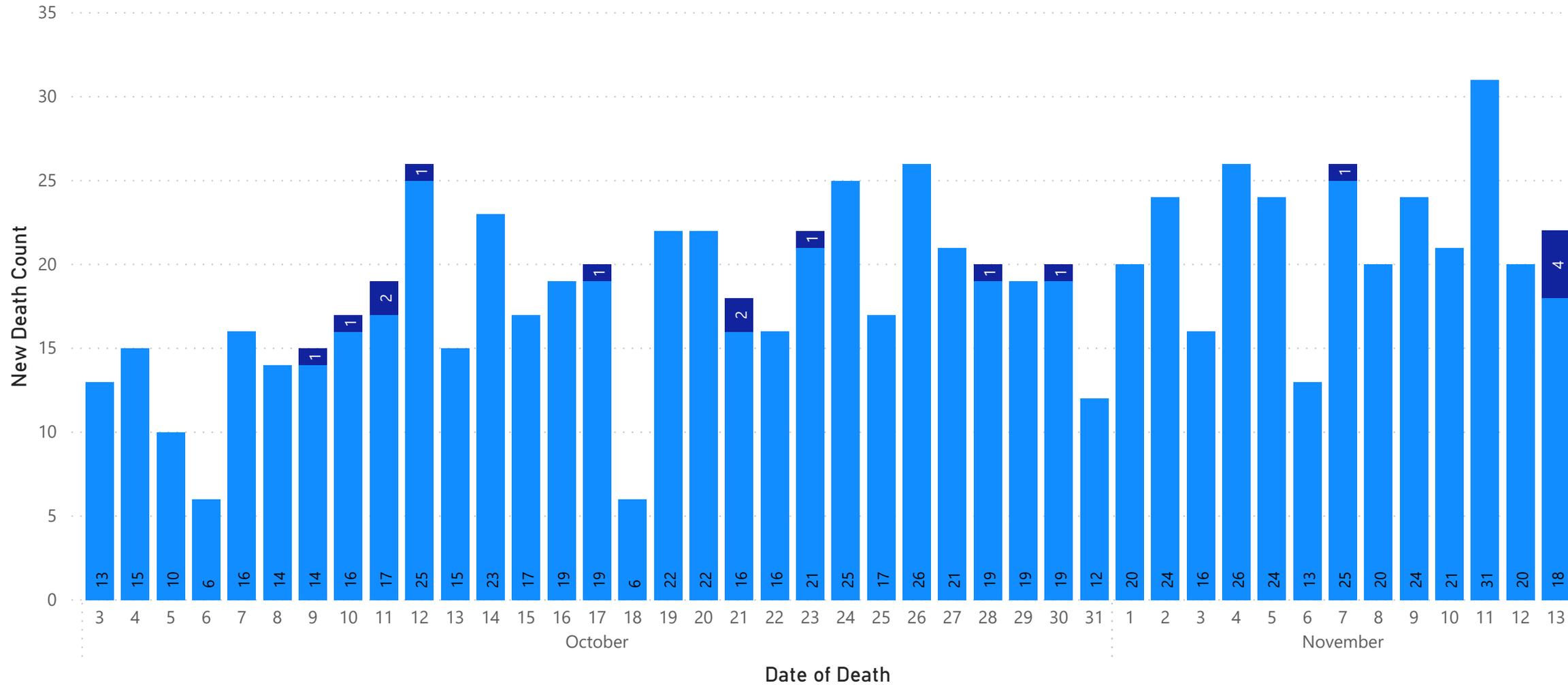
Total Deaths in COVID-19 Cases

10,329

New Death Count

Date of Death

October | November

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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Massachusetts Department of Public Health COVID-19 Dashboard- Sunday, November 15, 2020
All Molecular COVID-19 Tests Associated with Higher Education Testing

7-Day Average Total Molecular Tests by Date

● MA without Higher Education ● Higher Education
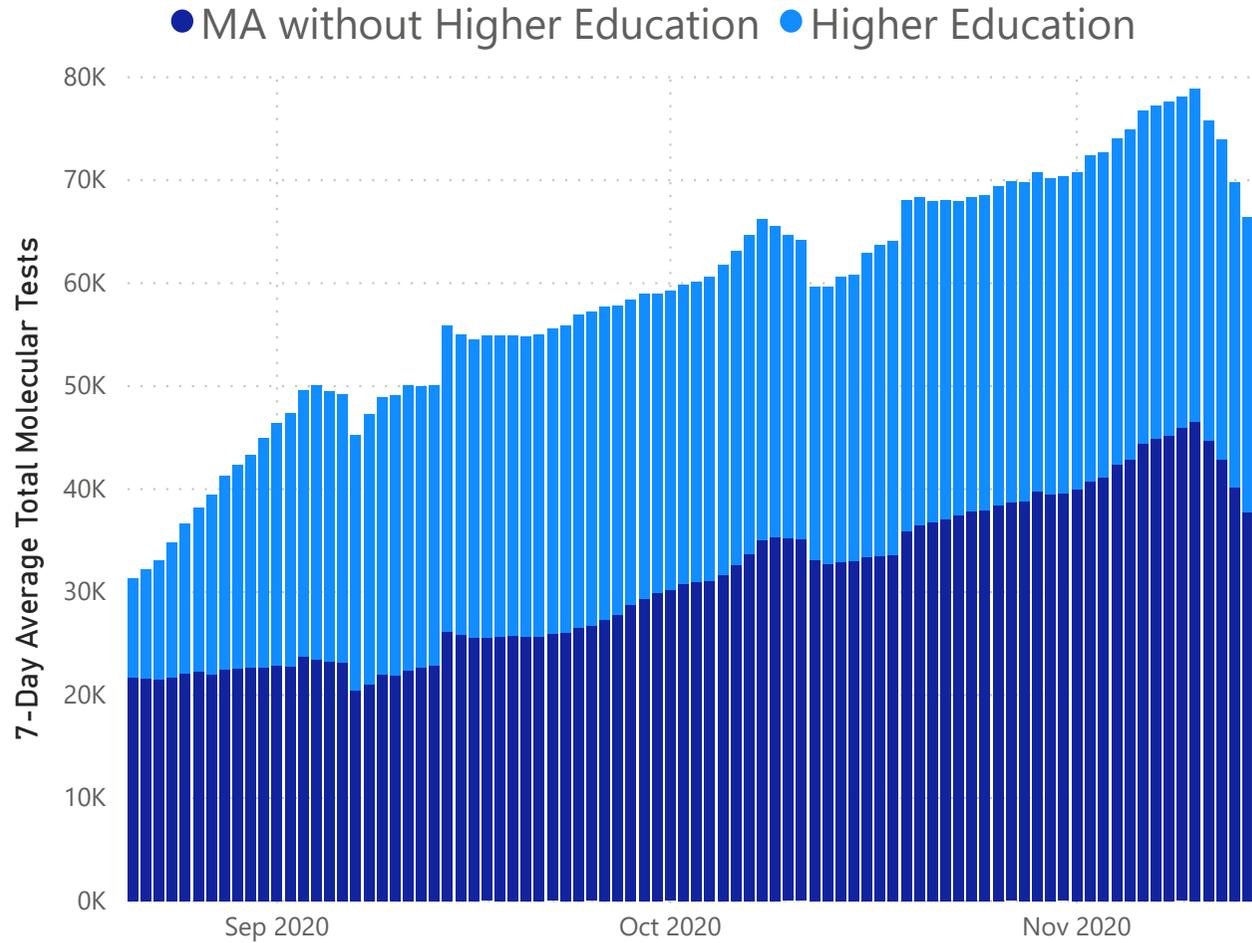
7-Day Average Total Positive Molecular Tests by Date
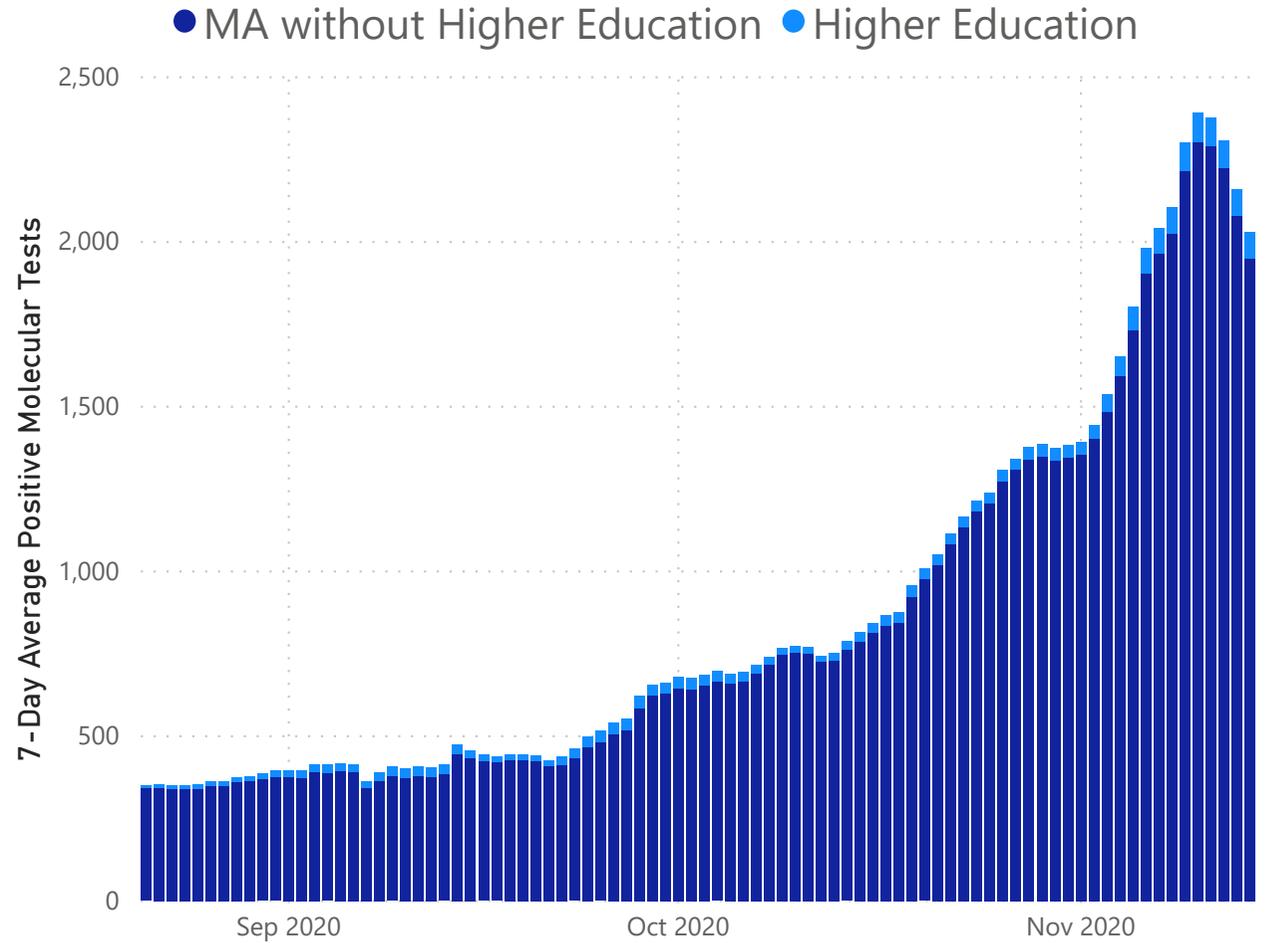
● MA without Higher Education ● Higher Education

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.

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

Residents/Healthcare Workers of Long-Term Care Facilities with Probable or Confirmed COVID-19	Long-Term Care Facilities Reporting At Least One Probable or Confirmed Case of COVID-19	Probable or Confirmed COVID-19 Deaths Reported in Long-Term Care Facilities
26,268	394	6,594

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 cumulative and current as of 8:00am on the date at the top of the page. Data includes nursing homes, skilled nursing facilities, and rest homes..

Massachusetts Department of Public Health COVID-19 Dashboard-

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	21	2,287	1	188
Berkshire	6	1,027	0	52
Bristol	196	15,919	7	799
Dukes	10	176		
Dukes and Nantucket			0	2
Essex	382	28,965	2	1,392
Franklin	5	550	0	75
Hampden	191	12,923	6	855
Hampshire	24	1,874	0	160
Middlesex	594	38,246	4	2,355
Nantucket	8	250		
Norfolk	134	13,802	2	1,149
Plymouth	73	12,900	4	869
Suffolk	231	32,792	3	1,208
Unknown	0	458	1	7
Worcester	209	20,375	6	1,218
Total	**2,084**	**182,544**	**36**	**10,329**

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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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

Massachusetts Department of Public Health COVID-19 Dashboard-

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

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.