



# Dashboard of Public Health Indicators

## Testing and Cases

Newly Reported Confirmed Cases  
**4,162**

Total New Molecular Tests Reported  
**90,789**

7-Day Average Positivity  
**5.78%**

Estimated Active Cases  
**82,617**

## Hospitalization

Total Confirmed COVID Patients in Hospital  
**1,919**

Total Confirmed COVID Patients in ICU  
**387**

Average Age of Cases that were Hospitalized\*  
**67**

## Deaths

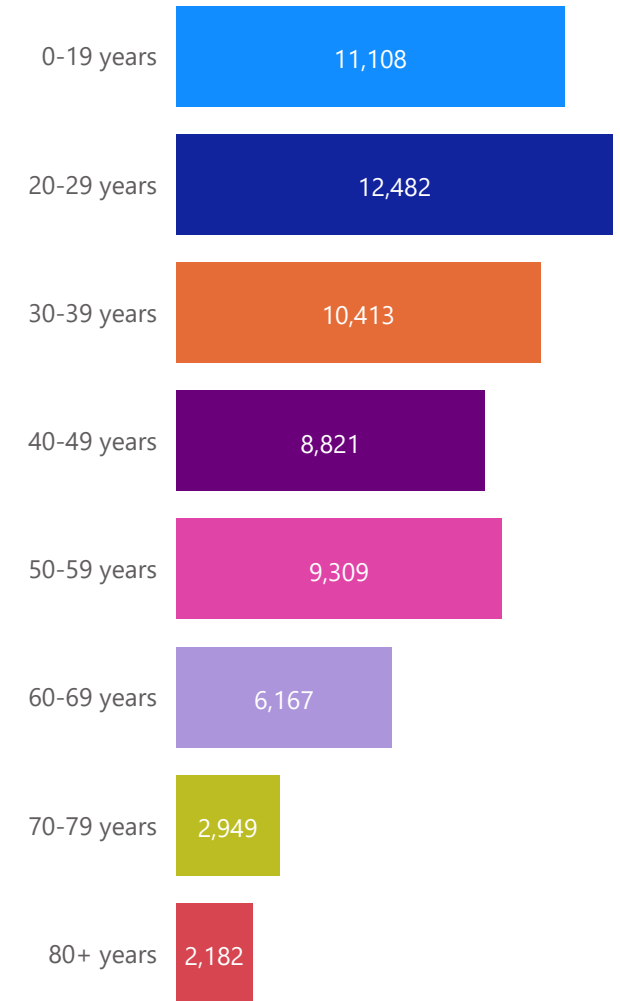
Newly Reported Deaths among Confirmed  
**60**

Average Age of Deaths\*  
**81**

## Turnaround Time

14-Day Average Turnaround (from Test Sample to Report to DPH)\*  
**1.83**

Total Cases By Age Group from 11/29/2020-12/12/2020\*



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 11/29/2020 to 12/12/2020. Please see the most current weekly dashboard for more details <https://www.mass.gov/info-details/covid-19-response-reporting>

\*Last updated Wednesday, 12/16/2020



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

Sunday, December 20, 2020

Percent of Change Since  
Lowest Observed Value (LOV)

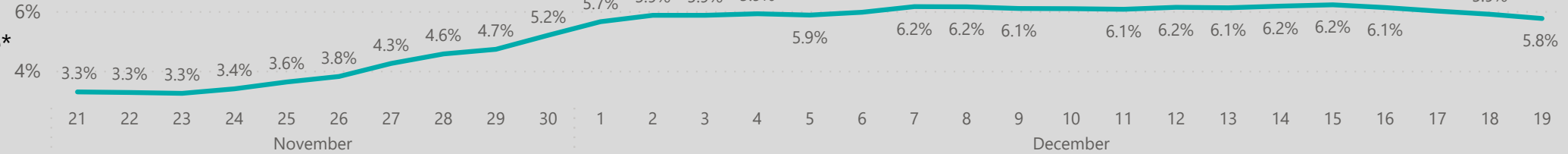
7-Day Average of  
New Confirmed  
Cases



1,980%

LOV = 157

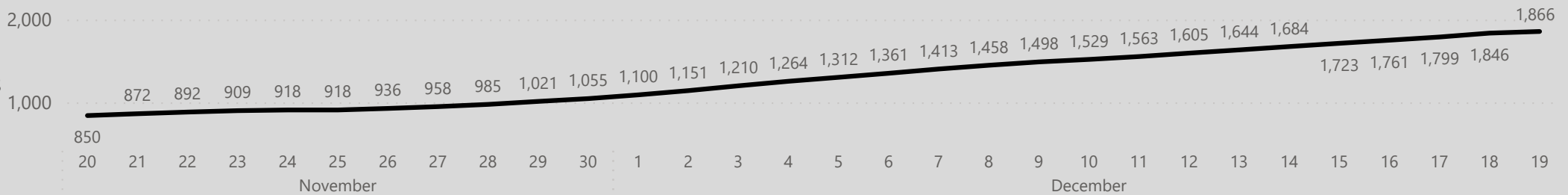
7-Day Weighted  
Average of Positive  
Molecular Test Rate\*



650%

LOV = 0.8%

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



1,102%

LOV = 155

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



341%

LOV = 11

\*Calculated from total molecular tests for all of MA; \*\*Includes only confirmed cases of COVID-19 in acute hospitals and alternate care sites; \*\*\*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 04/15/2020. Due to data lags, counts for most recent dates are likely incomplete, and thus measures are subject to change.



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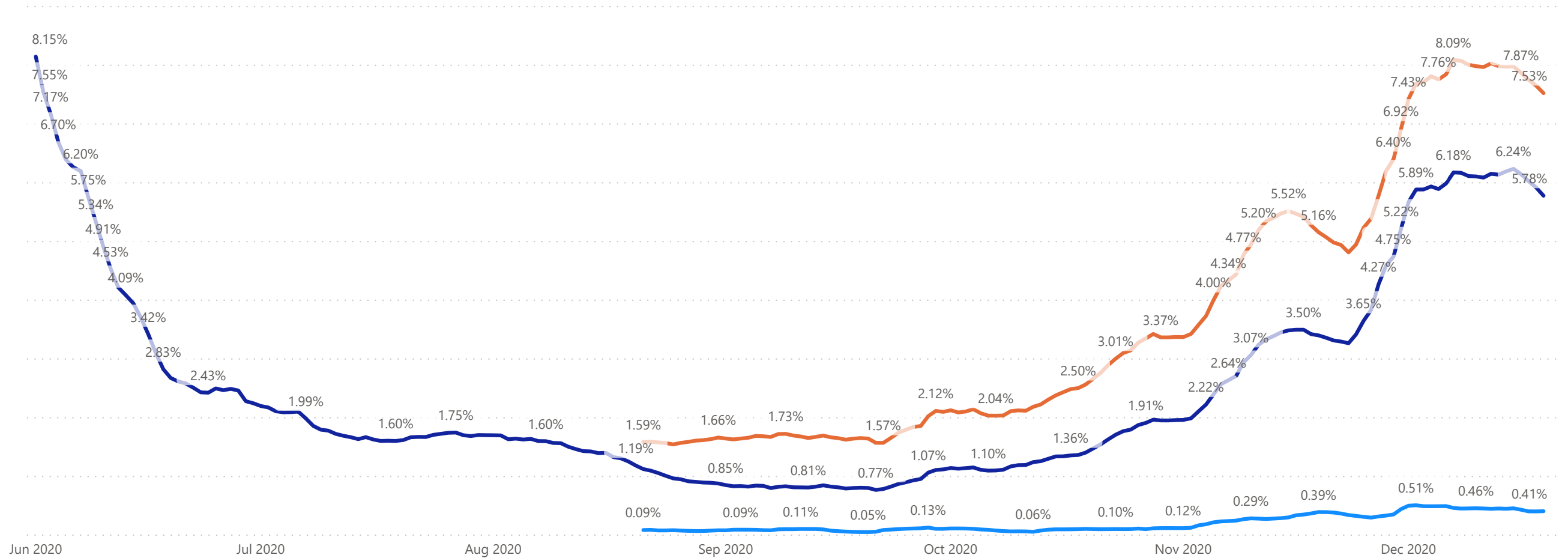
Definitions and Disclaimers



# 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.

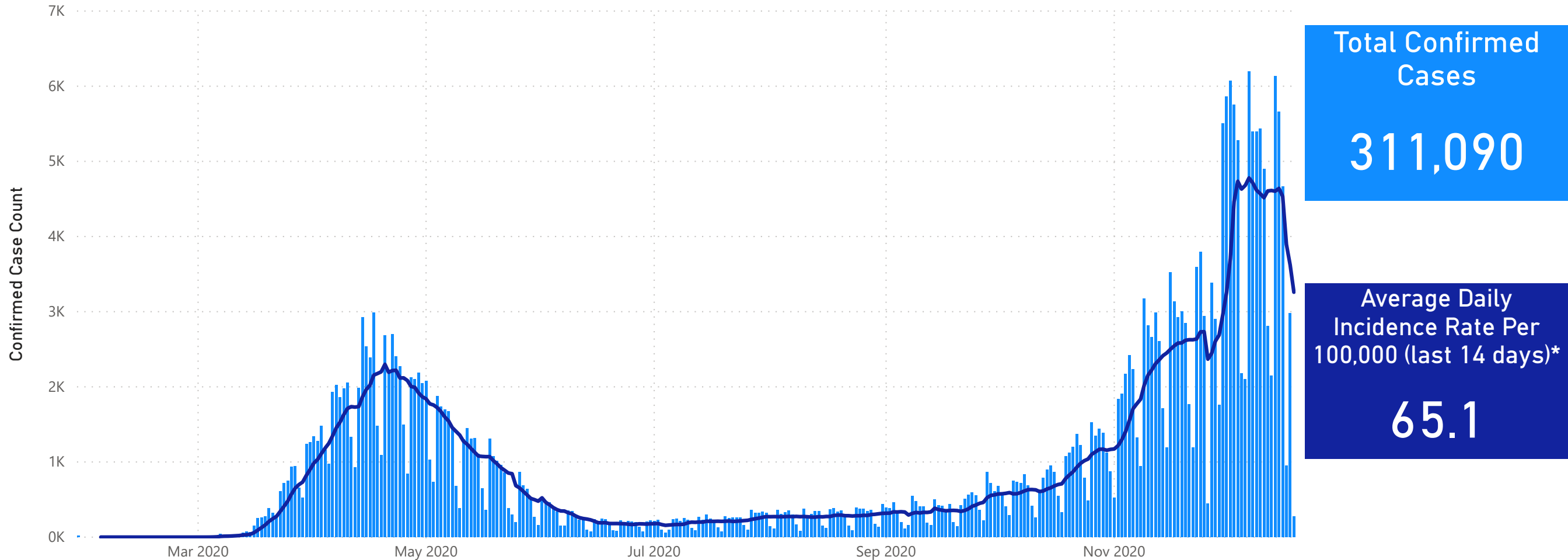
Note: all data are current as of 11:59pm on 12/19/2020. Due to lag in reporting by laboratories, counts for most recent dates are likely to be incomplete. This includes individuals who have had more than one molecular test.



# 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



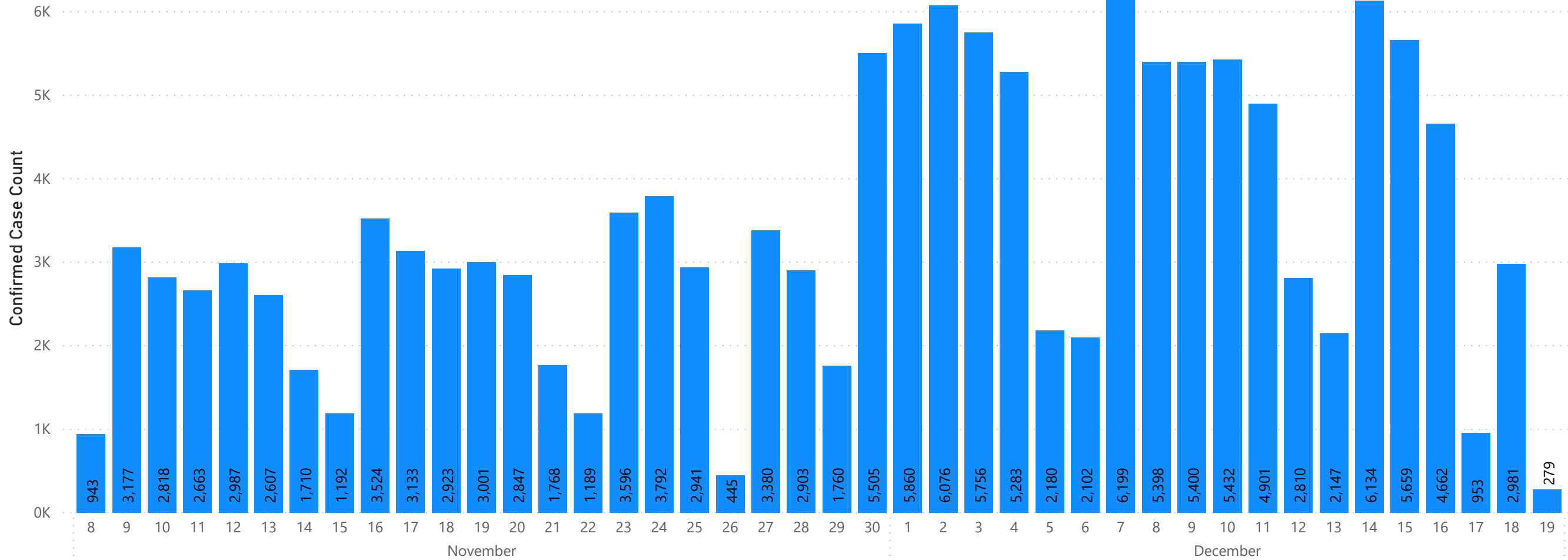
Data Sources: COVID-19 Data provided by the Bureau of Infectious Disease and Laboratory Sciences; State Population Estimate 2019: Small Area Population Estimates 2011-2020, version 2019, Massachusetts Department of Public Health, Bureau of Environmental Health; Tables and Figures created by the Office of Population Health. Note: all data are current as of 11:59pm on 12/19/2020. Due to lag in reporting by laboratories, counts for most recent dates are likely to be incomplete.

\*Last updated Wednesday, 12/16/2020; Covers 11/29/2020-12/12/2020.



# Daily Confirmed Cases (Past 6 Weeks)

Confirmed COVID-19 Cases by Date Individual Tested



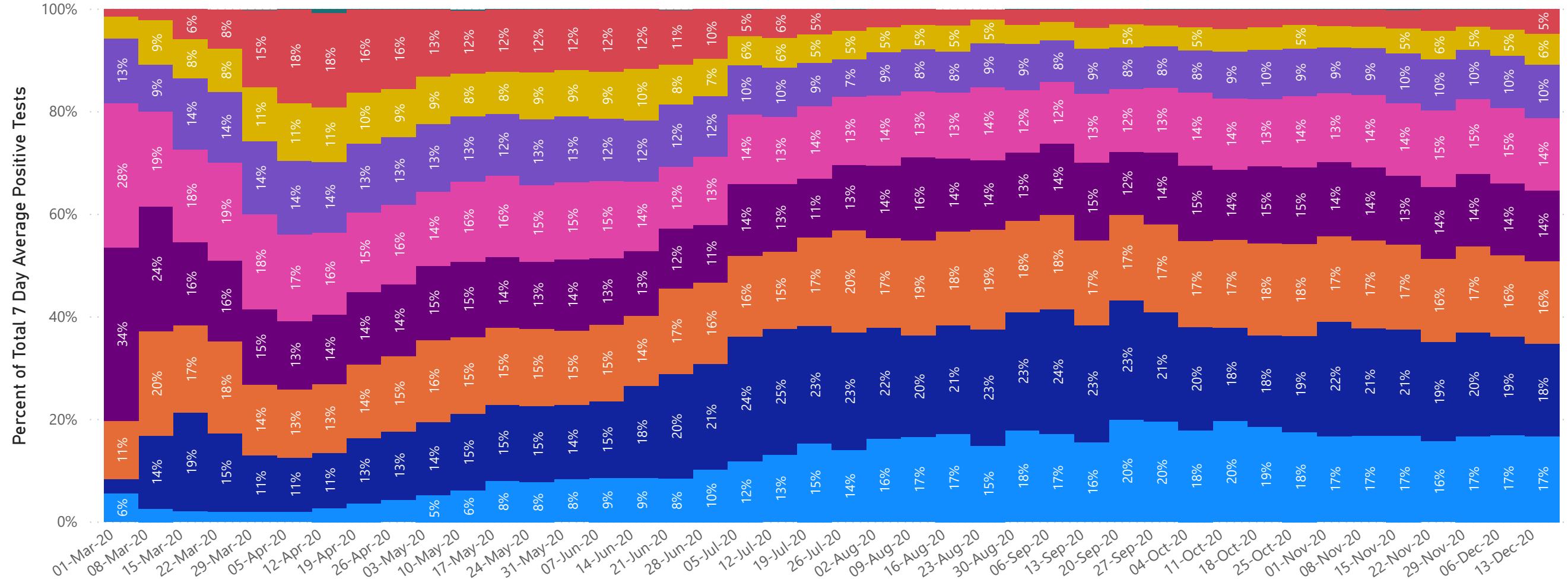
Data Sources: COVID-19 Data provided by the Bureau of Infectious Disease and Laboratory Sciences; Tables and Figures created by the Office of Population Health. Note: all data are current as of 11:59pm on 12/19/2020. Due to lag in reporting by laboratories, counts for most recent dates are likely to 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



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.

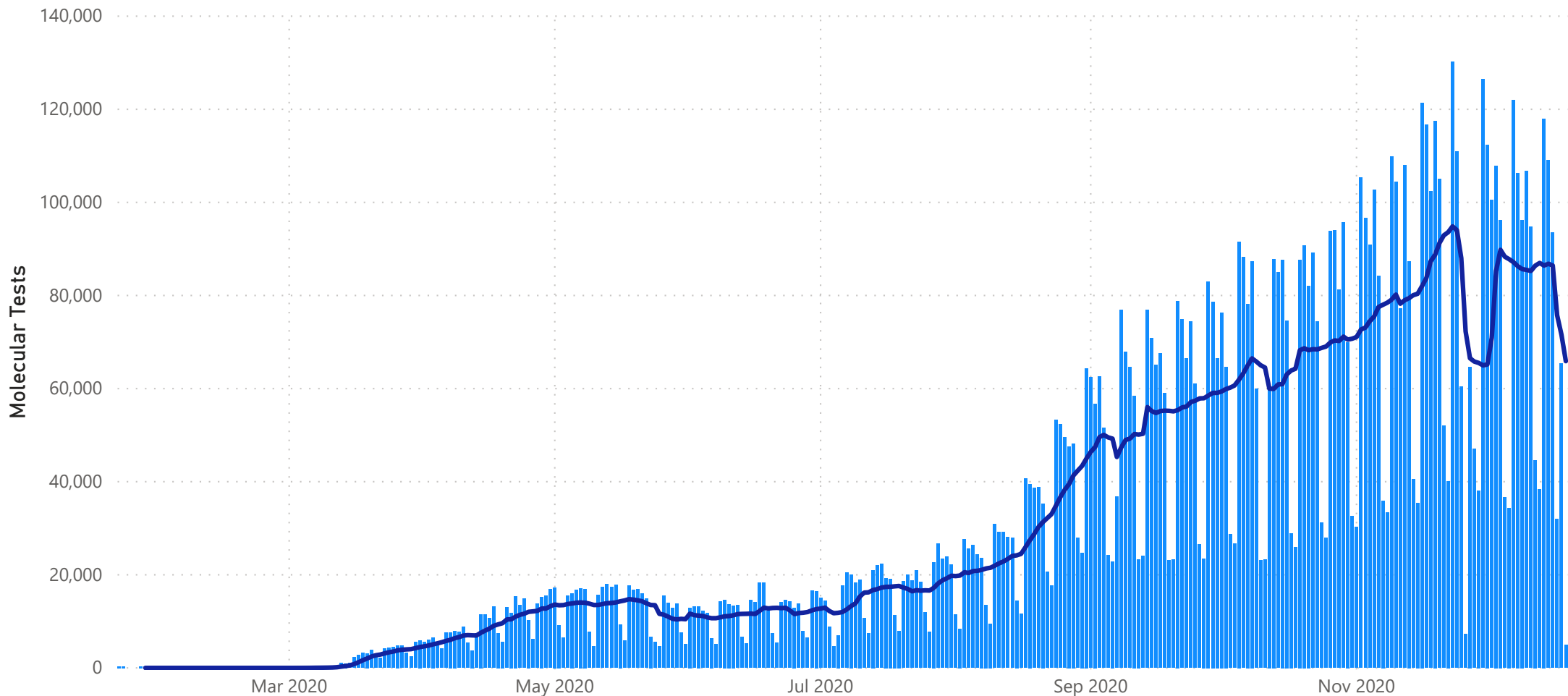
Note: this data was last updated on Wednesday, 12/16/2020 . This includes individuals who have had more than one molecular test.



# 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  
**10,178,769**

7-Day Average Test Rate per 100,000 Residents  
**946**

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 11:59pm on 12/19/2020. 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.

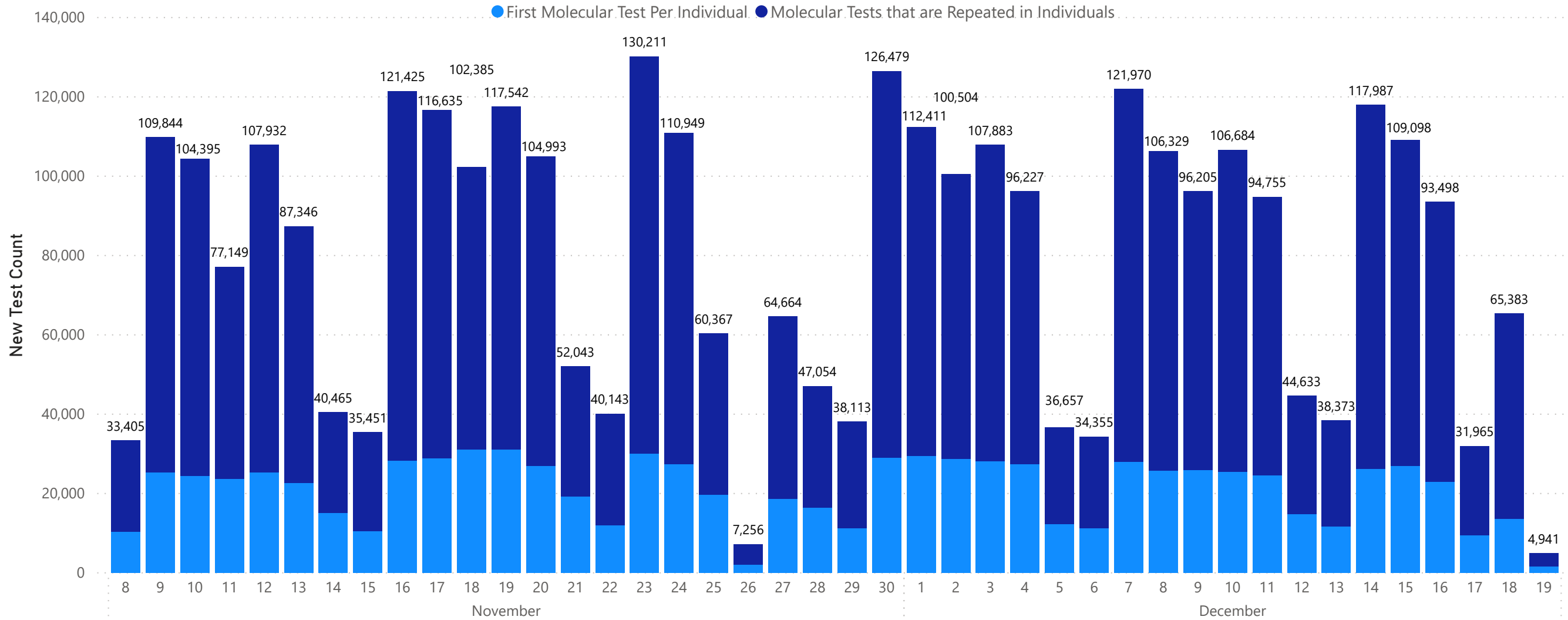




# Massachusetts Department of Public Health COVID-19 Dashboard- Sunday, December 20, 2020

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

### Total Number of Molecular Tests Performed 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 11:59pm on 12/19/2020. 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- Probable Case Information

Sunday, December 20, 2020

Newly Reported  
Probable Cases

99

Total Probable Cases

12,441

Newly Reported  
Deaths Among  
Probable

0

Total Deaths Among  
Probable Cases

252

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 11:59pm on 12/19/2020. Due to ongoing data cleaning efforts, the number of newly reported cases may not exactly match the change in total cases from the previous day. For the COVID-19 probable case definition, please see the Glossary at the end of this document in 'Definitions and Disclaimers'.



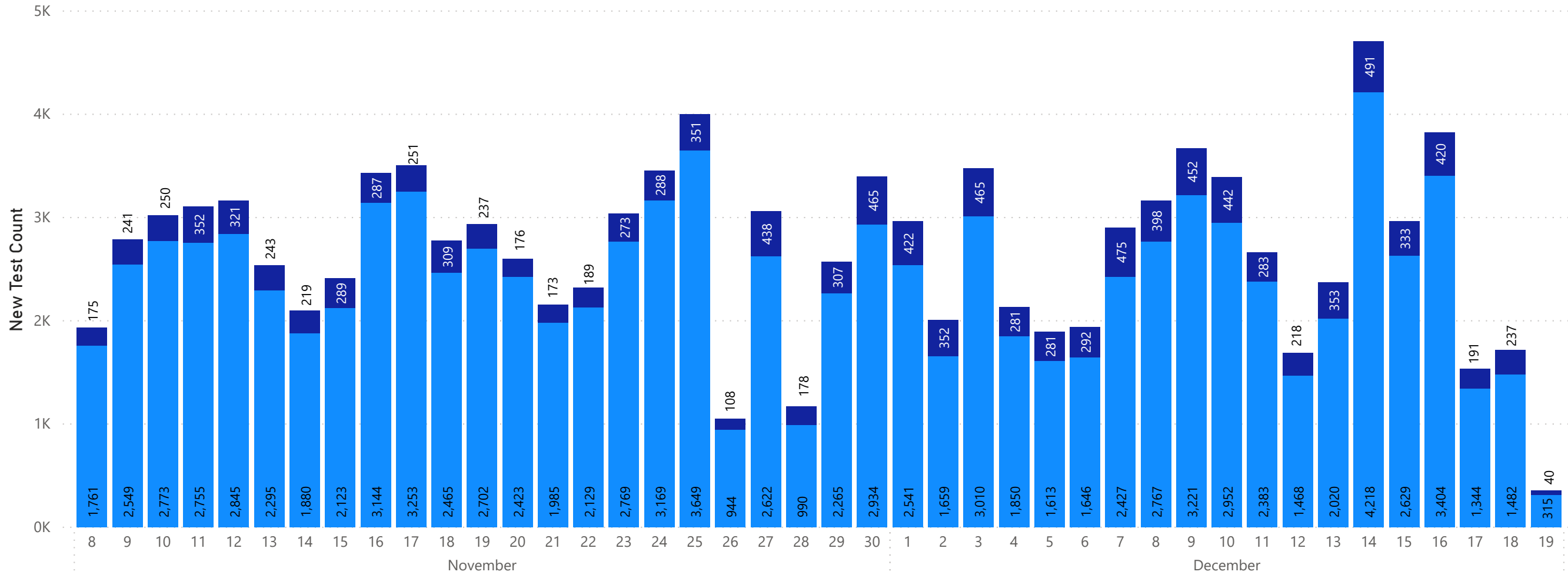
# Testing by Date - Antigens

New Individuals Tested by Antigen Tests  
**1,800**

Total Individuals Tested by Antigen Tests  
**321,267**

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 11:59pm on 12/19/2020. Due to lag in reporting by laboratories, counts for most recent dates are likely to be incomplete.



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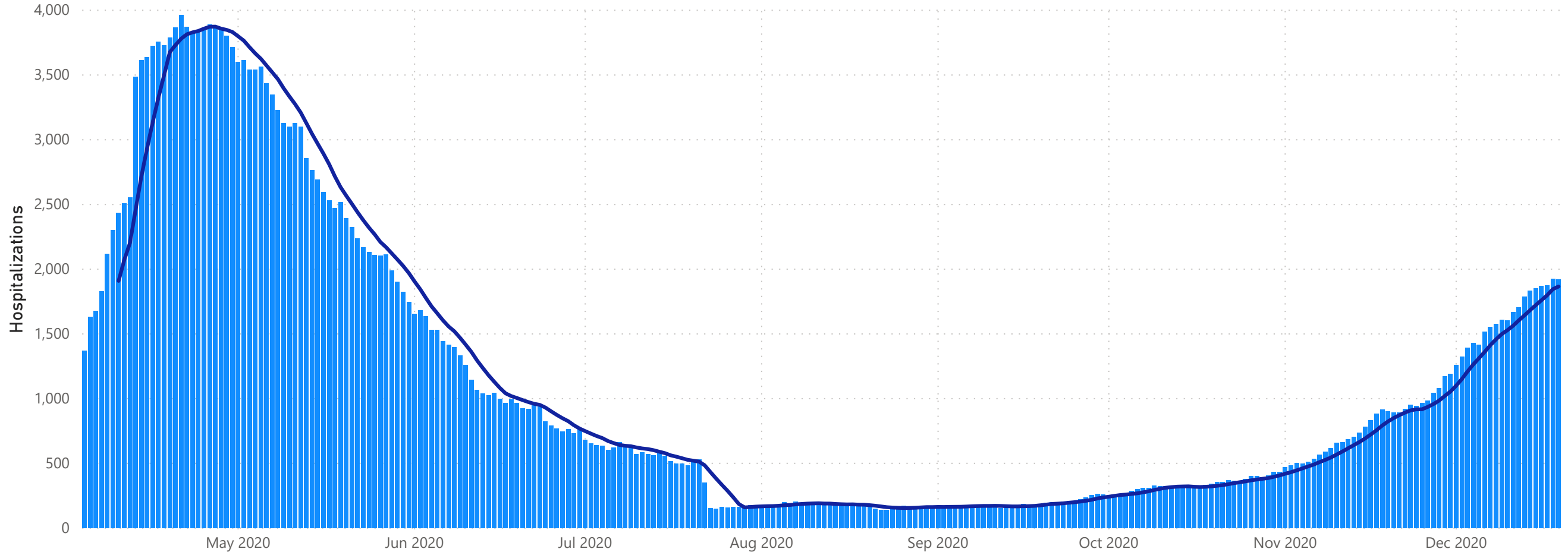
Definitions and Disclaimers



# 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.

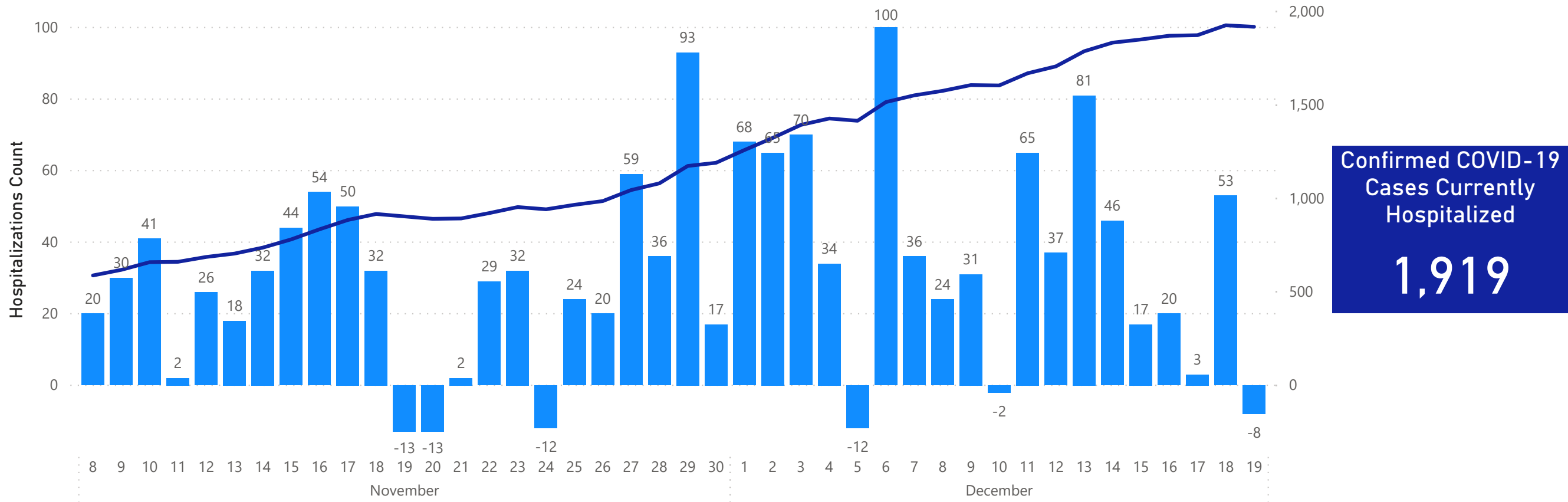
Notes: data are current as of 3:00pm on 12/19/2020. For purposes of this reporting, "confirmed" are cases with a PCR test. Hospitalization data includes alternate care sites beginning on 12/06/2020. Data prior to 07/22/2020 include both confirmed and suspected COVID hospitalizations, as confirmed COVID hospitalizations were not reported separately during this time.



# 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



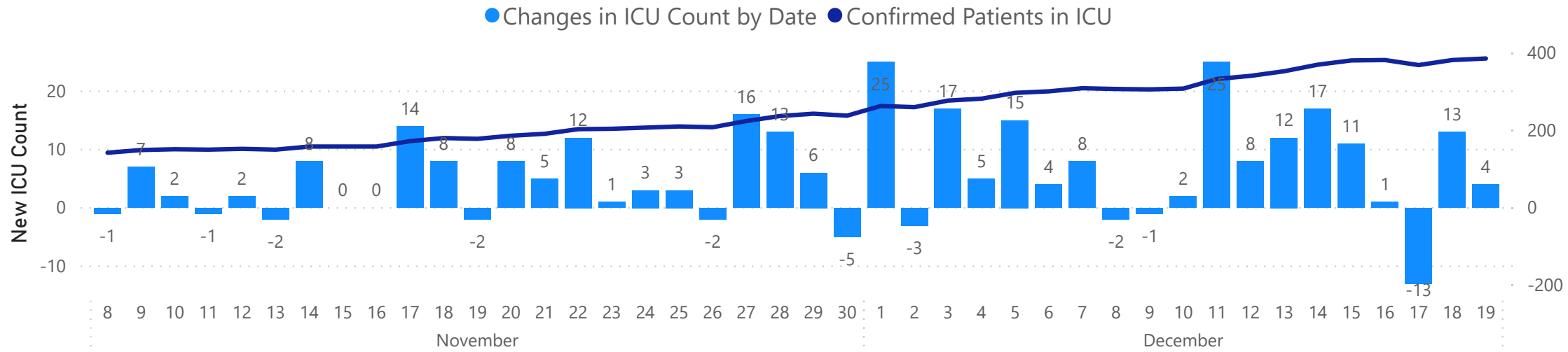
Confirmed COVID-19 Cases Currently Hospitalized  
**1,919**

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 on 12/19/2020. For purposes of this reporting, "confirmed" are cases with a PCR test. Hospitalization data includes alternate care sites beginning on 12/06/2020.



# Daily and Cumulative COVID-19 ICU and Intubations

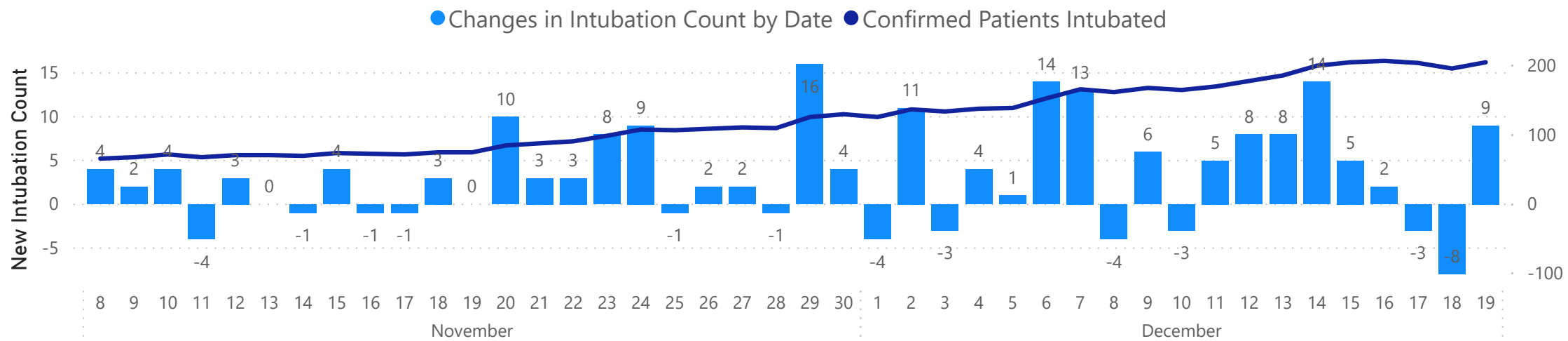
Patients Reported in ICU with COVID-19 by Date



Count of Cases Currently in ICU

# 387

Patients Reported as Intubated with COVID-19 by Date



Count of Cases Currently Intubated

# 205

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.

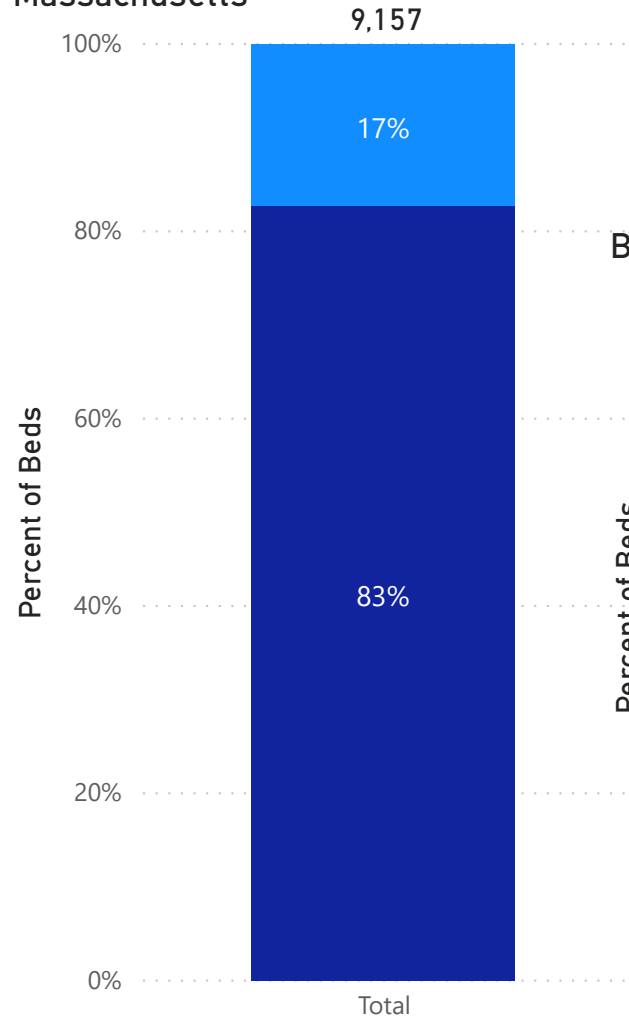
Notes: data are current as of 3:00pm on 12/19/2020.



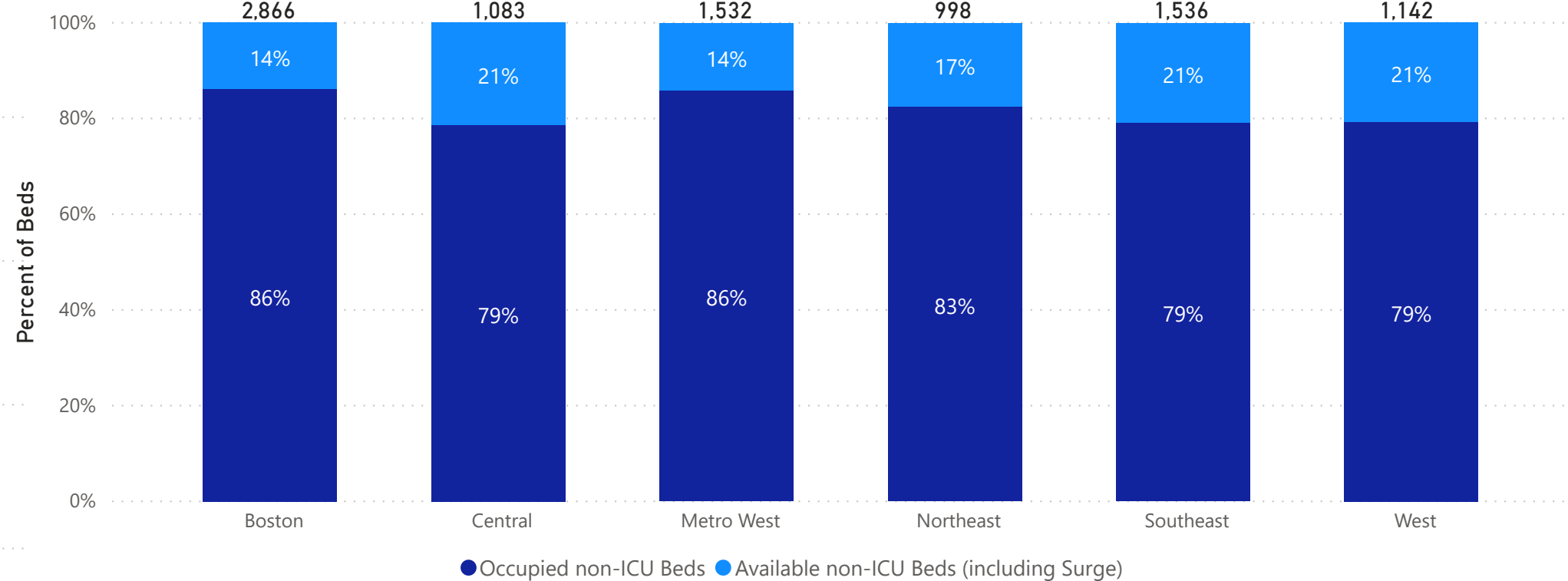
# Total Hospital Capacity by Region (Non-ICU)

Data collected as of 12/19/2020 3:00pm

Massachusetts



By Region



Previously these graphs were based on rounded bed counts. As of 12/11/2020, they display the bed counts as reported. 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 06/16/2020, 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 are included in the Available Non-ICU Beds and Occupied Non-ICU Beds categories.

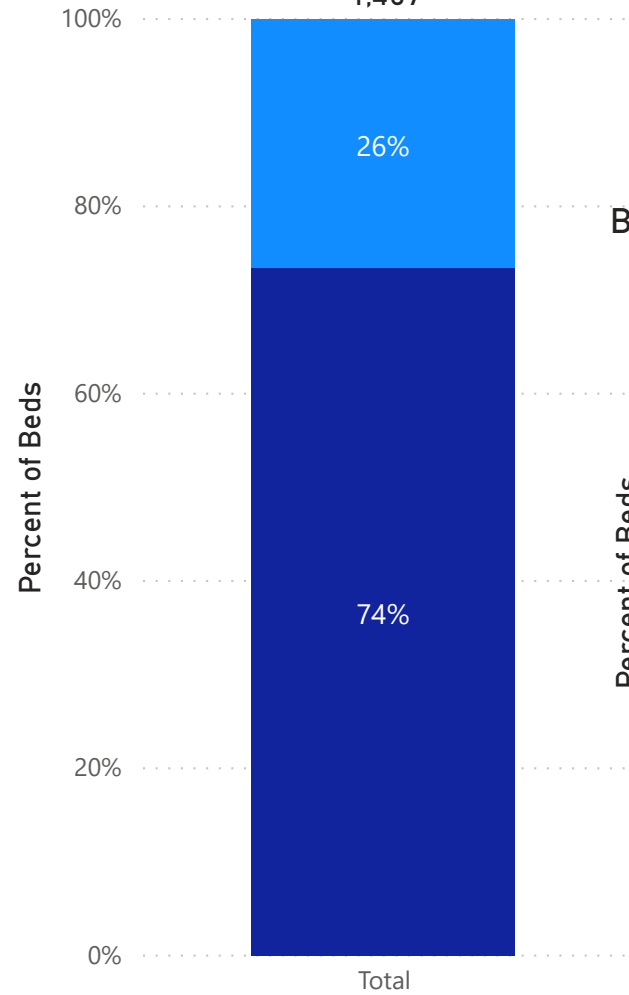




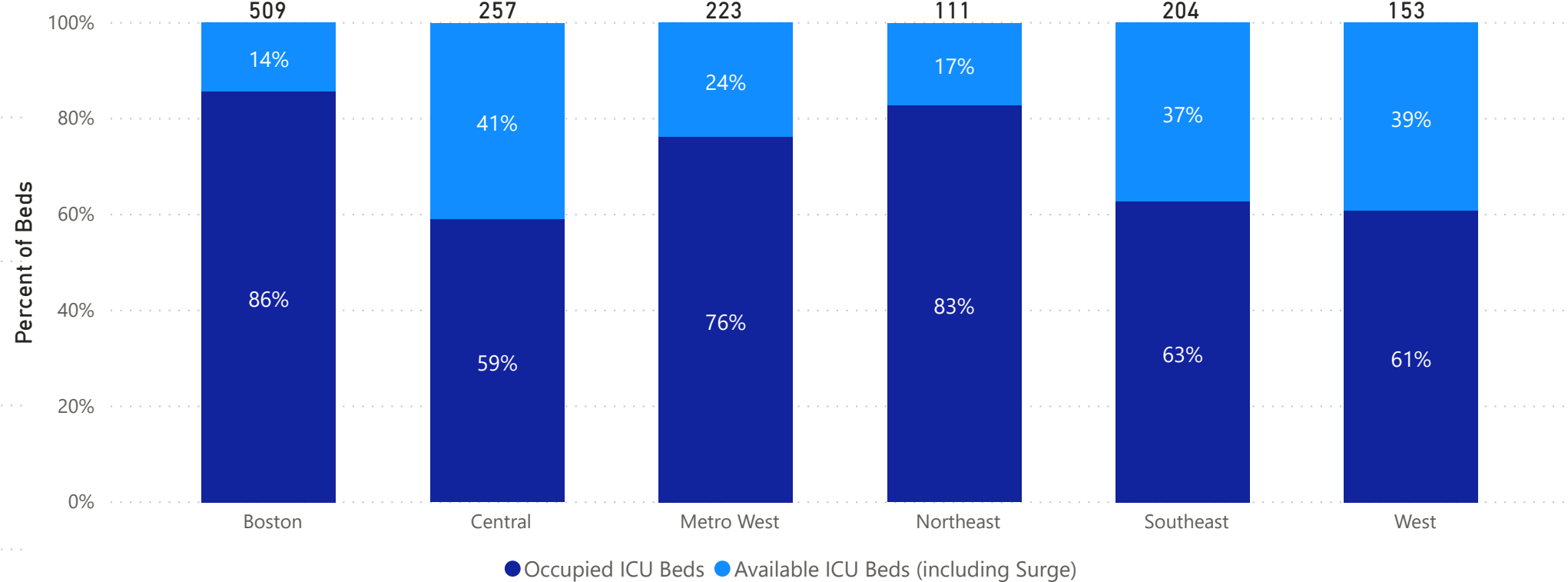
# Total Hospital Capacity by Region (ICU)

Data collected as of 12/19/2020 3:00pm

Massachusetts



By Region



Previously these graphs were based on rounded bed counts. As of 12/11/2020, they display the bed counts as reported. 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 06/16/2020, 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 are included in the Available Non-ICU Beds and Occupied Non-ICU Beds categories.



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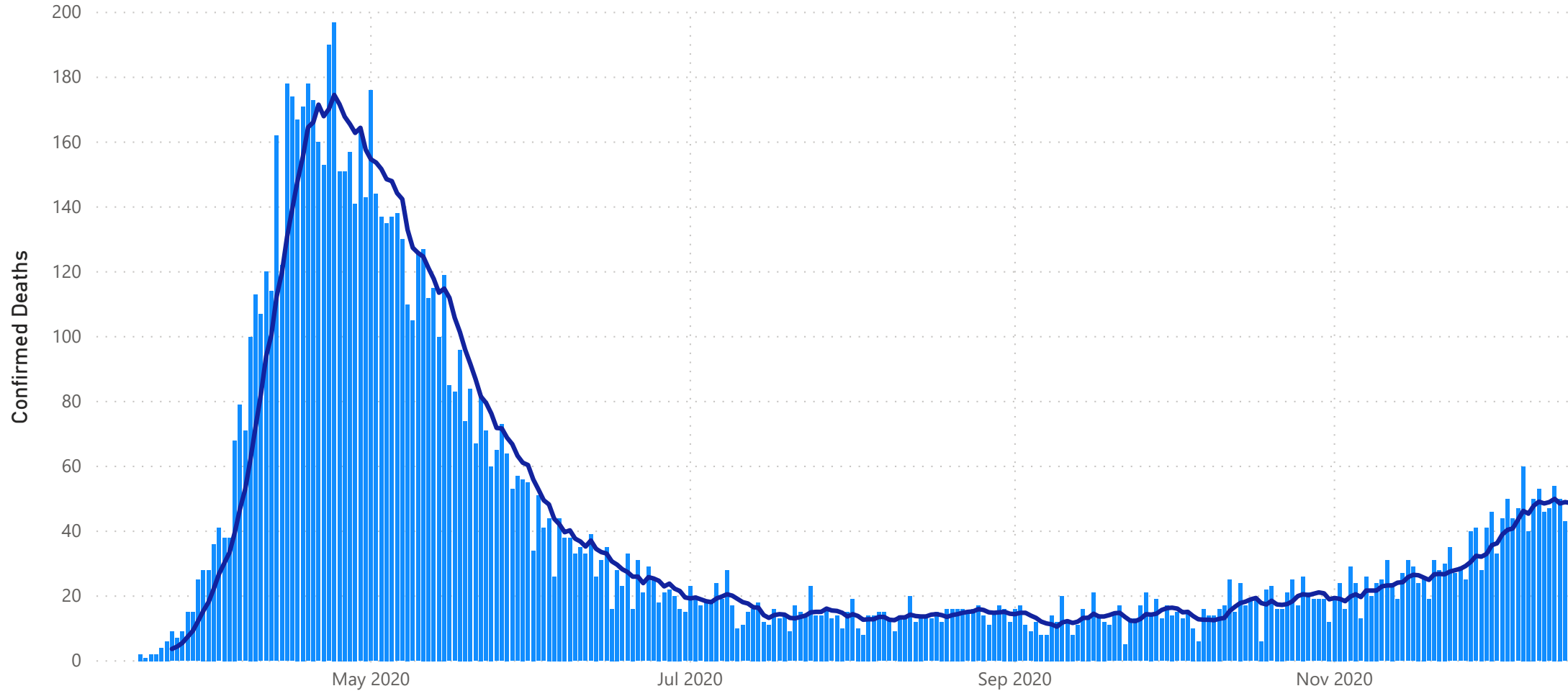


# Massachusetts Department of Public Health COVID-19 Dashboard- Daily Confirmed Deaths (Since March)

Sunday, December 20, 2020

### Confirmed COVID Deaths by Date of Death

● Confirmed Deaths ● 7-Day Average of Confirmed Deaths



Total Deaths  
Among Confirmed  
Cases  
**11,465**

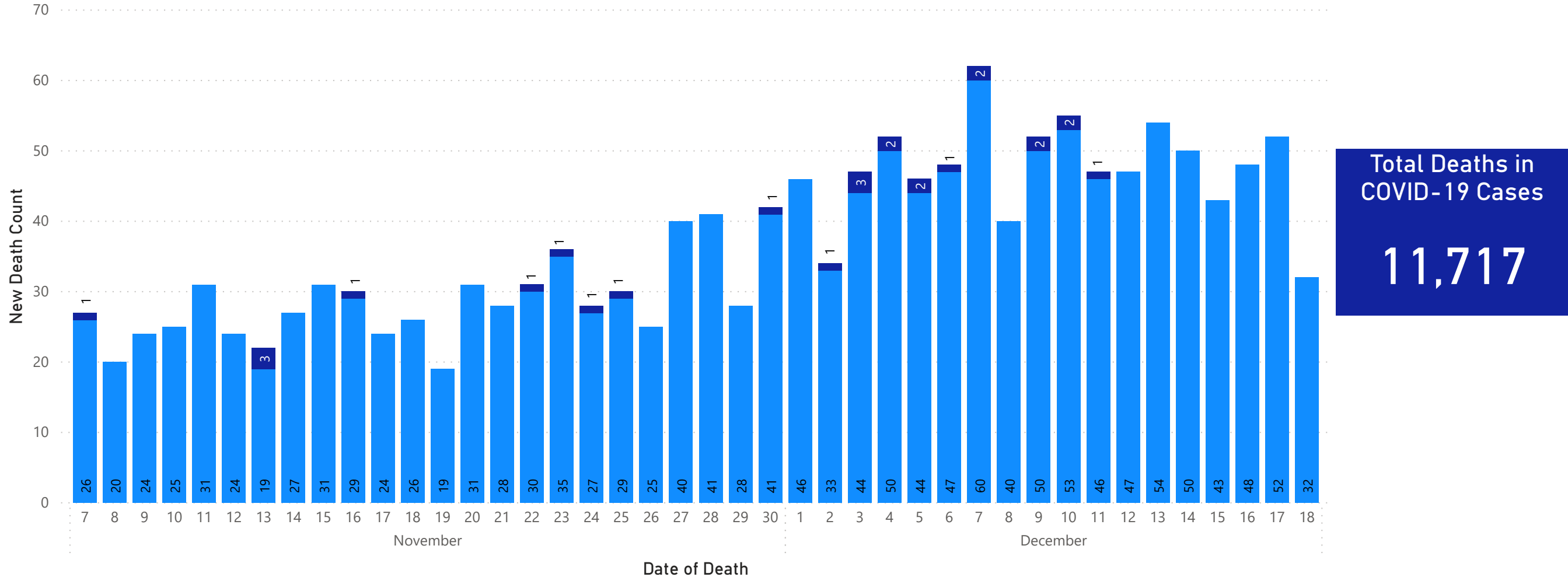
Data Sources: COVID-19 Data provided by the Bureau of Infectious Disease and Laboratory Sciences; State Population Estimate 2019: Small Area Population Estimates 2011-2020, version 2019, Massachusetts Department of Public Health, Bureau of Environmental Health; Tables and Figures created by the Office of Population Health.  
Note: all data are current as of 11:59pm on 12/19/2020.



# Daily and Cumulative Deaths

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

● New Confirmed Deaths ● New Probable Deaths



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 11:59pm on 12/19/2020; \*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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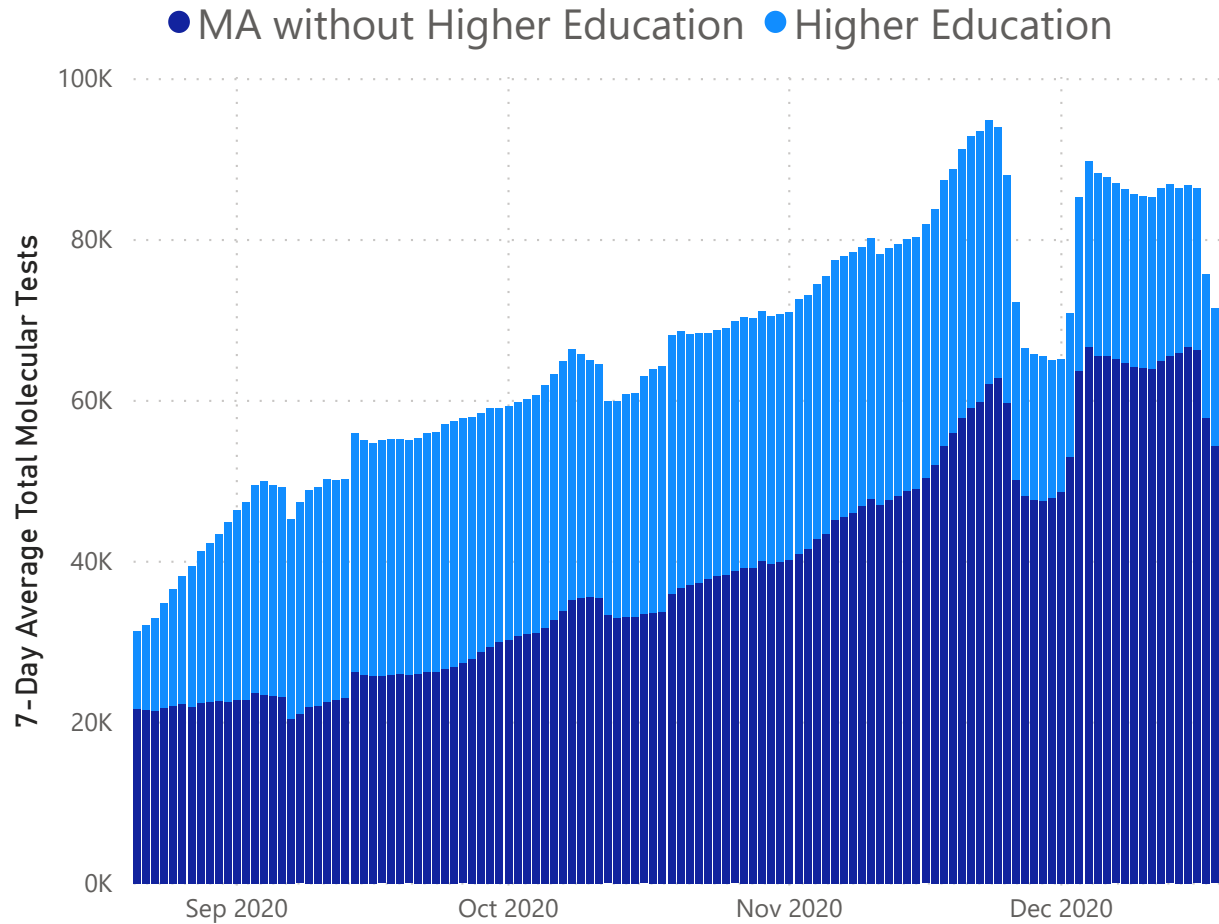
**Demographics, Activities, and Key Settings**

Definitions and Disclaimers

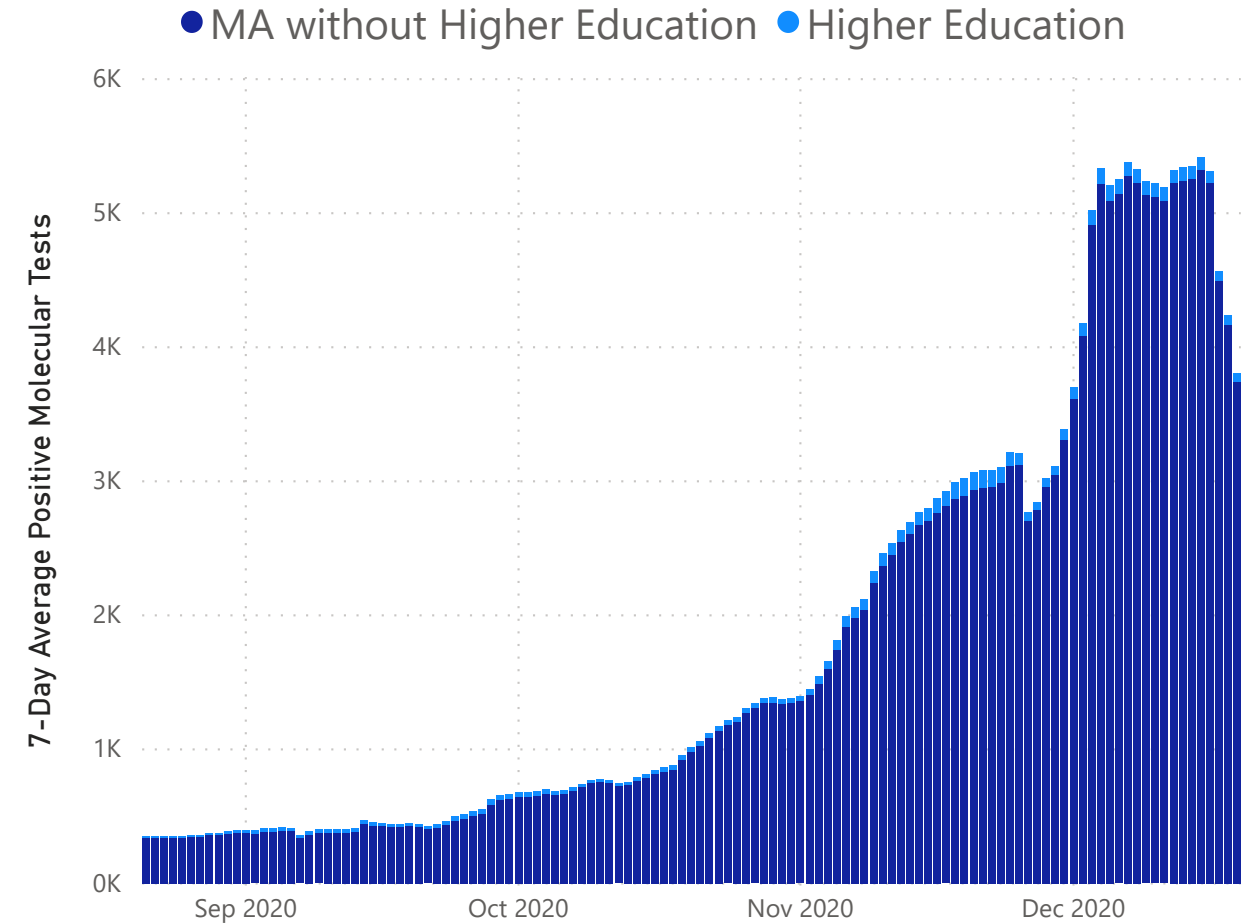


# All Molecular COVID-19 Tests Associated with Higher Education Testing

### 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 11:59pm on 12/19/2020. 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

**29,502**

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

**410**

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

**7,139**

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 11:59pm on 12/19/2020. Data includes nursing homes, skilled nursing facilities, and rest homes.



# 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	64	4,519	2	217
Berkshire	41	2,445	2	119
Bristol	350	29,428	2	995
Dukes	6	424		
Dukes and Nantucket			0	2
Essex	739	50,902	8	1,586
Franklin	17	1,129	2	84
Hampden	351	22,776	9	1,003
Hampshire	43	3,228	0	181
Middlesex	871	65,653	15	2,597
Nantucket	14	661		
Norfolk	309	23,219	4	1,247
Plymouth	236	20,729	4	959
Suffolk	473	48,654	3	1,315
Unknown	24	894	0	6
Worcester	624	36,429	9	1,406
<b>Total</b>	<b>4,162</b>	<b>311,090</b>	<b>60</b>	<b>11,717</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 11:59pm on 12/19/2020. 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>



# 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.