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

**Tuesday, November 17, 2020**

## Testing and Cases

<table>
<thead>
<tr>
<th>Metric</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Newly Reported Confirmed Cases</td>
<td>2,263</td>
</tr>
<tr>
<td>Total New Molecular Tests Reported</td>
<td>65,468</td>
</tr>
<tr>
<td>7-Day Average Positivity</td>
<td>3.25%</td>
</tr>
<tr>
<td>Estimated Active Cases</td>
<td>32,309</td>
</tr>
</tbody>
</table>

## Hospitalization

<table>
<thead>
<tr>
<th>Metric</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Confirmed COVID Patients in Hospital</td>
<td>835</td>
</tr>
<tr>
<td>Total Confirmed COVID Patients in ICU</td>
<td>159</td>
</tr>
<tr>
<td>Average Age of Cases that were Hospitalized*</td>
<td>67</td>
</tr>
</tbody>
</table>

## Deaths

<table>
<thead>
<tr>
<th>Metric</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Newly Reported Deaths among Confirmed</td>
<td>20</td>
</tr>
<tr>
<td>Average Age of Deaths*</td>
<td>80</td>
</tr>
<tr>
<td>14-Day Average Turnaround (from Test Sample to Report to DPH)*</td>
<td>1.83</td>
</tr>
</tbody>
</table>

**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](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

Tuesday, November 17, 2020

Percent of Change Since Lowest Observed Value (LOV)

7-Day Average of New Confirmed Cases:

- October: 710, 779, 826, 869, 931, 982, 1,018, 1,040, 1,104, 1,137, 1,171, 1,174
- November: 1,171, 1,176, 1,221, 1,301, 1,406, 1,549, 1,704, 1,769, 1,829, 2,020

LOV = 157

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

- October: 1% 1.4% 1.5% 1.6% 1.6% 1.7% 1.8% 1.8% 1.9% 1.9% 2.0% 2.0%
- November: 2.0% 2.0% 2.0% 2.0% 2.1% 2.2% 2.4% 2.6% 2.6% 2.7% 2.9% 3.1% 3.2% 3.3% 3.3% 3.3% 3.3% 3.3% 3.2%

LOV = 0.8%

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

- November: 693, 724

LOV = 155

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

- October: 19, 18, 17, 18, 17, 17, 18, 20, 20, 20, 21, 20, 20, 21
- November: 21, 21, 22, 22, 23, 22, 21

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
Massachusetts Department of Public Health COVID-19 Dashboard - Tuesday, November 17, 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 -

Daily Confirmed Cases (Since March)

Confirmed COVID-19 Cases To Date by Date Individual Tested


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

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

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 - 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.
## Massachusetts Department of Public Health COVID-19 Dashboard - Probable Case Information

**Newly Reported Probable Cases**: 262

**Total Probable Cases**: 6,190

**Newly Reported Deaths Among Probable**: 0

**Total Deaths Among Probable Cases**: 230

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

Tuesday, November 17, 2020

Number of Individuals Tested by Antigens by Test Date

- Individuals with Negative Antigen Tests
- Individuals with Positive Antigen Tests

New Individuals Tested by Antigen Tests: 4,572
Total Individuals Tested by Antigen Tests: 229,932

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.
Contents

Testing and Cases

Hospitalization

Deaths

Demographics, Activities, and Key Settings

Definitions and Disclaimers
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.
Patients Reported as Hospitalized with Confirmed COVID-19 by Date

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

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.

Confirmed COVID-19 Cases Currently Hospitalized: 835
Massachusetts Department of Public Health COVID-19 Dashboard - 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**

Patients Reported as Intubated with COVID-19 by Date

- **Changes in Intubation Count by Date**
- **Confirmed Patients Intubated**

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 - Tuesday, November 17, 2020

Total Hospital Capacity by Region (Non-ICU)

Data collected as of 11/16/2020 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 -

Tuesday, November 17, 2020

Total Hospital Capacity by Region (ICU)

Data collected as of 11/16/2020 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.
Contents

Testing and Cases

Hospitalization

Deaths

Demographics, Activities, and Key Settings

Definitions and Disclaimers
Confirmed COVID Deaths by Date of Death

- Confirmed Deaths
- 7-Day Average of Confirmed Deaths

Total Deaths Among Confirmed Cases: 10,130


Note: all data are current as of 8:00am on the date at the top of the page.
Massachusetts Department of Public Health COVID-19 Dashboard - Daily and Cumulative Deaths

Tuesday, November 17, 2020

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 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".

Total Deaths in COVID-19 Cases

10,360
Massachusetts Department of Public Health COVID-19 Dashboard - Tuesday, November 17, 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.

Tuesday, November 17, 2020

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.
Residents/Healthcare Workers of Long-Term Care Facilities with Probable or Confirmed COVID-19: 26,486

Long-Term Care Facilities Reporting At Least One Probable or Confirmed Case of COVID-19: 396

Probable or Confirmed COVID-19 Deaths Reported in Long-Term Care Facilities: 6,610

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.
<table>
<thead>
<tr>
<th>County</th>
<th>New Confirmed Cases Reported</th>
<th>Cumulative Confirmed Cases To Date</th>
<th>New Confirmed and Probable Deaths Reported</th>
<th>Cumulative Confirmed and Probable Deaths To Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barnstable</td>
<td>69</td>
<td>2,374</td>
<td>0</td>
<td>188</td>
</tr>
<tr>
<td>Berkshire</td>
<td>29</td>
<td>1,101</td>
<td>0</td>
<td>52</td>
</tr>
<tr>
<td>Bristol</td>
<td>251</td>
<td>16,397</td>
<td>2</td>
<td>807</td>
</tr>
<tr>
<td>Dukes</td>
<td>13</td>
<td>194</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dukes and Nantucket</td>
<td></td>
<td>0</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Essex</td>
<td>349</td>
<td>29,558</td>
<td>3</td>
<td>1,395</td>
</tr>
<tr>
<td>Franklin</td>
<td>1</td>
<td>555</td>
<td>0</td>
<td>75</td>
</tr>
<tr>
<td>Hampden</td>
<td>217</td>
<td>13,318</td>
<td>3</td>
<td>859</td>
</tr>
<tr>
<td>Hampshire</td>
<td>23</td>
<td>1,918</td>
<td>0</td>
<td>160</td>
</tr>
<tr>
<td>Middlesex</td>
<td>474</td>
<td>39,117</td>
<td>3</td>
<td>2,360</td>
</tr>
<tr>
<td>Nantucket</td>
<td>0</td>
<td>252</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Norfolk</td>
<td>147</td>
<td>14,064</td>
<td>2</td>
<td>1,151</td>
</tr>
<tr>
<td>Plymouth</td>
<td>115</td>
<td>13,146</td>
<td>4</td>
<td>874</td>
</tr>
<tr>
<td>Suffolk</td>
<td>260</td>
<td>33,366</td>
<td>1</td>
<td>1,210</td>
</tr>
<tr>
<td>Unknown</td>
<td>34</td>
<td>503</td>
<td>1</td>
<td>7</td>
</tr>
<tr>
<td>Worcester</td>
<td>281</td>
<td>20,911</td>
<td>1</td>
<td>1,220</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>2,263</strong></td>
<td><strong>186,774</strong></td>
<td><strong>20</strong></td>
<td><strong>10,360</strong></td>
</tr>
</tbody>
</table>

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".
Contents

Testing and Cases

Hospitalization

Deaths

Demographics, Activities, and Key Settings

Definitions and Disclaimers

Direct links to the DOC information found on those pages include:
- Staff data - https://www.mass.gov/lists/doc-covid-19-staff-testing-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.


**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.