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 Departments 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.
# Massachusetts Department of Public Health COVID-19 Dashboard

## Dashboard of Public Health Indicators

**Monday, November 02, 2020**

### Testing and Cases

<table>
<thead>
<tr>
<th>Metric</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Newly Reported Confirmed Cases</td>
<td>725</td>
</tr>
<tr>
<td>Total New Molecular Tests Reported</td>
<td>51,419</td>
</tr>
<tr>
<td>7-Day Average Positivity</td>
<td>1.78%</td>
</tr>
<tr>
<td>Estimated Active Cases</td>
<td>16,561</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>469</td>
</tr>
<tr>
<td>Total Confirmed COVID Patients in ICU</td>
<td>96</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>9</td>
</tr>
<tr>
<td>Average Age of Deaths*</td>
<td>81</td>
</tr>
</tbody>
</table>

### Turnaround Time

<table>
<thead>
<tr>
<th>Age Group</th>
<th>Turnaround Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-19 years</td>
<td>2.701</td>
</tr>
<tr>
<td>20-29 years</td>
<td>2.566</td>
</tr>
<tr>
<td>30-39 years</td>
<td>2.493</td>
</tr>
<tr>
<td>40-49 years</td>
<td>2.057</td>
</tr>
<tr>
<td>50-59 years</td>
<td>1.853</td>
</tr>
<tr>
<td>60-69 years</td>
<td>1.293</td>
</tr>
<tr>
<td>70-79 years</td>
<td>606</td>
</tr>
<tr>
<td>80+ years</td>
<td>403</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 10/11/20 to 10/24/20. Please see the most current weekly dashboard for more details [https://www.mass.gov/info-details/covid-19-response-reporting](https://www.mass.gov/info-details/covid-19-response-reporting)

*Last updated Wednesday, October 28th; **Last updated Monday, November 2nd
7-Day Average of New Confirmed Cases

7-Day Weighted Average of Positive Molecular Test Rate

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

7-Day Average of COVID-19 Deaths

**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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Testing by Date - Molecular (Percent Positive)

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

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

Total Confirmed Cases
156,385

Average Daily Incidence Rate Per 100,000 (last 14 days)*
11.8
Massachusetts Department of Public Health COVID-19 Dashboard

Monday, November 02, 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 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

Monday, November 02, 2020

Percent Positive by Week and Age Group

Percent of Total 7 Day Average Positive 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. 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 Since March)

Total Molecular Tests by Date


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.
Newly Reported Probable Cases

117

Total Probable Cases

4,164

Newly Reported Deaths Among Probable

1

Total Deaths Among Probable Cases

226
Massachusetts Department of Public Health COVID-19 Dashboard -

Monday, November 02, 2020

Testing by Date - Antigens

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: 2,565
Total Individuals Tested by Antigen Tests: 190,746

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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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.
Massachusetts Department of Public Health COVID-19 Dashboard -
Daily COVID-19 Hospitalizations

Patients Reported as Hospitalized with Confirmed 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. For purposes of this reporting, "confirmed" are cases with a PCR test.
Patients Reported in ICU with COVID-19 by Date

- **Confirmed Patients in ICU**
  - Monday, November 02, 2020
  - Count of Cases Currently in ICU: 96

- **Confirmed Patients Intubated**
  - Monday, November 02, 2020
  - 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.
Massachusetts Department of Public Health COVID-19 Dashboard - Monday, November 02, 2020

Total Hospital Capacity by Region (Non-ICU)

Data collected as of 11/1/2020 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.
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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Confirmed COVID Deaths by Date of Death

- Confirmed Deaths
- 7-Day Average of Confirmed Deaths

Total Deaths Among Confirmed Cases: 9,797


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

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".
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All Molecular COVID-19 Tests Associated with Higher Education Testing

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.
Resident/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

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

Monday, November 02, 2020

<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>9</td>
<td>2,060</td>
<td>0</td>
<td>185</td>
</tr>
<tr>
<td>Berkshire</td>
<td>14</td>
<td>803</td>
<td>0</td>
<td>52</td>
</tr>
<tr>
<td>Bristol</td>
<td>105</td>
<td>12,917</td>
<td>1</td>
<td>764</td>
</tr>
<tr>
<td>Dukes</td>
<td>0</td>
<td>90</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dukes and Nantucket</td>
<td></td>
<td>0</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>Essex</td>
<td>112</td>
<td>24,612</td>
<td>0</td>
<td>1,358</td>
</tr>
<tr>
<td>Franklin</td>
<td>4</td>
<td>487</td>
<td>1</td>
<td>74</td>
</tr>
<tr>
<td>Hampden</td>
<td>66</td>
<td>10,425</td>
<td>1</td>
<td>822</td>
</tr>
<tr>
<td>Hampshire</td>
<td>1</td>
<td>1,521</td>
<td>0</td>
<td>155</td>
</tr>
<tr>
<td>Middlesex</td>
<td>126</td>
<td>32,907</td>
<td>0</td>
<td>2,288</td>
</tr>
<tr>
<td>Nantucket</td>
<td>0</td>
<td>172</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Norfolk</td>
<td>49</td>
<td>12,138</td>
<td>2</td>
<td>1,114</td>
</tr>
<tr>
<td>Plymouth</td>
<td>50</td>
<td>11,681</td>
<td>2</td>
<td>841</td>
</tr>
<tr>
<td>Suffolk</td>
<td>135</td>
<td>29,166</td>
<td>1</td>
<td>1,184</td>
</tr>
<tr>
<td>Unknown</td>
<td>0</td>
<td>329</td>
<td>0</td>
<td>5</td>
</tr>
<tr>
<td>Worcester</td>
<td>60</td>
<td>17,077</td>
<td>2</td>
<td>1,179</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>731</strong></td>
<td><strong>156,385</strong></td>
<td><strong>10</strong></td>
<td><strong>10,023</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".
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Direct links to the DOC information found on those pages include:
- Staff data - https://www.mass.gov/lists/doc-covid-19-staff-testing-reports
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.