Massachusetts Department of Public Health COVID-19 Dashboard - Monday, December 28, 2020

Dashboard of Public Health Indicators

Total Confirmed COVID Patients in Hospital: 2,230

Total Confirmed COVID Patients in ICU: 430

Average Age of Deaths*: 80

Average Age of Cases that were Hospitalized*: 69

Newly Reported Confirmed Cases: 4,060

Total New Molecular Tests Reported: 49,772

7-Day Average Positivity: 6.68%

Newly Reported Deaths among Confirmed: 48

Estimated Active Cases: 80,620

Total New Molecular Tests Reported: 49,772

7-Day Average Positivity: 6.68%

Estimated Active Cases: 80,620

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 12/6/2020 to 12/19/2020. Please see the most current weekly dashboard for more details https://www.mass.gov/info-details/covid-19-response-reporting

*Last updated Wednesday, 12/23/2020
Massachusetts Department of Public Health COVID-19 Dashboard- 
Dashboard of Public Health Indicators

Monday, December 28, 2020
Percent of Change Since
Lowest Observed Value (LOV)

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***

*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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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 12/27/2020. 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.

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Confirmed COVID-19 Cases To Date by Date Individual Tested

- Confirmed Case Count
- 7-Day Average Confirmed Case Count

Total Confirmed Cases: 342,764

Average Daily Incidence Rate Per 100,000 (last 14 days)*: 63.2

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 12/27/2020. Due to lag in reporting by laboratories, counts for most recent dates are likely to be incomplete.

*Last updated Wednesday, 12/23/2020; Covers 12/6/2020-12/19/2020.
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 12/27/2020. 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, December 28, 2020**

**Percent Positive by Week and Age Group**

**Percent of Total 7 Day Average Positive Tests**

#### 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, 12/23/2020. This includes individuals who have had more than one molecular test.
Massachusetts Department of Public Health COVID-19 Dashboard - Monday, December 28, 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: 10,713,593

7-Day Average Test Rate per 100,000 Residents: 768


Note: all data are current as of 11:59pm on 12/27/2020. 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.
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 11:59pm on 12/27/2020. 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

Monday, December 28, 2020

Newly Reported Probable Cases: 138
Total Probable Cases: 14,170
Newly Reported Deaths Among Probable: 0
Total Deaths Among Probable Cases: 258

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 12/27/2020. 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'.
Massachusetts Department of Public Health COVID-19 Dashboard - Testing by Date - Antigens

Monday, December 28, 2020

Number of Individuals Tested by Antigens by Test Date

- New Test Count
- New Individuals Tested by Antigen Tests: 1,417
- Total Individuals Tested by Antigen Tests: 344,885

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 12/27/2020. 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 on 12/27/2020. 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.
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 on 12/27/2020. For purposes of this reporting, "confirmed" are cases with a PCR test. Hospitalization data includes alternate care sites beginning on 12/06/2020.
Massachusetts Department of Public Health COVID-19 Dashboard - Monday, December 28, 2020

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

New ICU Count

Total ICU Count

Counts of Cases Currently in ICU

Count of Cases Currently in ICU

430

Counts of Cases Currently Intubated

Count of Cases Currently Intubated

234

Changes in Intubation Count by Date

Confirmed Patients Intubated

New Intubation Count

Total Intubation Count

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 12/27/2020.
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.
Massachusetts Department of Public Health COVID-19 Dashboard -

Total Hospital Capacity by Region (ICU)

By Region

<table>
<thead>
<tr>
<th>Region</th>
<th>Occupied ICU Beds</th>
<th>Available ICU Beds (including Surge)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boston</td>
<td>507</td>
<td>19%</td>
</tr>
<tr>
<td>Central</td>
<td>252</td>
<td>37%</td>
</tr>
<tr>
<td>Metro West</td>
<td>221</td>
<td>21%</td>
</tr>
<tr>
<td>Northeast</td>
<td>111</td>
<td>14%</td>
</tr>
<tr>
<td>Southeast</td>
<td>205</td>
<td>33%</td>
</tr>
<tr>
<td>West</td>
<td>153</td>
<td>36%</td>
</tr>
</tbody>
</table>

Data collected as of 12/27/2020 3:00pm

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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Daily Confirmed Deaths (Since March)

Confirmed COVID Deaths by Date of Death

- Confirmed Deaths
- 7-Day Average of Confirmed Deaths

Total Deaths Among Confirmed Cases

11,900


Note: all data are current as of 11:59pm on 12/27/2020.
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

Monday, December 28, 2020

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 12/27/2020; *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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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 11:59pm on 12/27/2020. 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

<table>
<thead>
<tr>
<th>Category</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residents/Healthcare Workers of Long-Term Care Facilities with Probable or Confirmed COVID-19</td>
<td>30,415</td>
</tr>
<tr>
<td>Long-Term Care Facilities Reporting At Least One Probable or Confirmed Case of COVID-19</td>
<td>414</td>
</tr>
<tr>
<td>Probable or Confirmed COVID-19 Deaths Reported in Long-Term Care Facilities</td>
<td>7,272</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 cumulative and current as of 11:59pm on 12/27/2020. Data includes nursing homes, skilled nursing facilities, and rest homes.
### Massachusetts Department of Public Health COVID-19 Dashboard - Daily and Cumulative County Data

**Monday, December 28, 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 Reported</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barnstable</td>
<td>51</td>
<td>5,117</td>
<td>1</td>
<td>229</td>
</tr>
<tr>
<td>Berkshire</td>
<td>56</td>
<td>2,733</td>
<td>2</td>
<td>131</td>
</tr>
<tr>
<td>Bristol</td>
<td>502</td>
<td>32,842</td>
<td>5</td>
<td>1,041</td>
</tr>
<tr>
<td>Dukes</td>
<td>6</td>
<td>465</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>876</td>
<td>55,755</td>
<td>5</td>
<td>1,659</td>
</tr>
<tr>
<td>Franklin</td>
<td>8</td>
<td>1,222</td>
<td>1</td>
<td>91</td>
</tr>
<tr>
<td>Hampden</td>
<td>230</td>
<td>25,096</td>
<td>2</td>
<td>1,035</td>
</tr>
<tr>
<td>Hampshire</td>
<td>37</td>
<td>3,616</td>
<td>0</td>
<td>188</td>
</tr>
<tr>
<td>Middlesex</td>
<td>776</td>
<td>72,124</td>
<td>8</td>
<td>2,680</td>
</tr>
<tr>
<td>Nantucket</td>
<td>7</td>
<td>711</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Norfolk</td>
<td>358</td>
<td>25,966</td>
<td>4</td>
<td>1,278</td>
</tr>
<tr>
<td>Plymouth</td>
<td>343</td>
<td>23,105</td>
<td>4</td>
<td>983</td>
</tr>
<tr>
<td>Suffolk</td>
<td>519</td>
<td>52,598</td>
<td>5</td>
<td>1,357</td>
</tr>
<tr>
<td>Unknown</td>
<td>9</td>
<td>996</td>
<td>0</td>
<td>6</td>
</tr>
<tr>
<td>Worcester</td>
<td>282</td>
<td>40,418</td>
<td>11</td>
<td>1,478</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>4,060</strong></td>
<td><strong>342,764</strong></td>
<td><strong>48</strong></td>
<td><strong>12,158</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 11:59pm on 12/27/2020. 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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Direct links to the DOC information found on those pages include:
- Staff data - https://www.mass.gov/lists/doc-covid-19-staff-testing-reports
Massachusetts Department of Public Health COVID-19 Dashboard - Glossary of Terms

Monday, December 28, 2020

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.