### Community Benchmarks - Status

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>Avg. daily new case count in Brookline = &lt;10 per 100k people</td>
<td>4.5</td>
<td>7.5</td>
<td>10.9</td>
<td>10.8</td>
</tr>
<tr>
<td>Avg. daily new case count in Mass. = &lt;10 per 100k people</td>
<td>15.3</td>
<td>20.7</td>
<td>29.4</td>
<td>34.9</td>
</tr>
<tr>
<td>Avg. test positivity rate in Brookline = &lt;5.0%</td>
<td>0.44%</td>
<td>0.65%</td>
<td>0.94%</td>
<td>0.84%</td>
</tr>
<tr>
<td>Avg. test positivity rate in Massachusetts = &lt;5.0%</td>
<td>1.84%</td>
<td>2.29%</td>
<td>3.02%</td>
<td>3.32%</td>
</tr>
</tbody>
</table>

Because two of these four thresholds have been exceeded, Panel 4 has discussed how we advise PSB to respond. To date, our guidance focuses on enhancements to anti-transmission measures in school. A roll-back to remote-only operations is not warranted at this time, in our view.
Brookline’s population is ~60,000

As of 11/5, DPH is using 2019 population estimates derived from a method developed by the University of Massachusetts Donahue Institute. The 2019 estimates are the most currently available data.
What does the 10 cases/100,000 population metric actually mean?

- The metric is based on the average daily new cases over the measuring period (14 days in our case).
- 10 new cases/day per 100k people = 0.01% of the population is being diagnosed COVID+ each day (1 in 10,000 people).

<table>
<thead>
<tr>
<th>Cohort</th>
<th>Population</th>
<th>Expected New Cases Per Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Town of Brookline residents</td>
<td>~60,000</td>
<td>Roughly 40</td>
</tr>
<tr>
<td>PSB student body</td>
<td>~7,500</td>
<td>Roughly 5</td>
</tr>
<tr>
<td>PSB staff</td>
<td>~1,500</td>
<td>Roughly 1</td>
</tr>
</tbody>
</table>
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Panel 4's Recommended Discussion Trigger = 10.0

Trailing 14-Day Avg. Daily Cases per 100K Population Data (from MA DPH weekly reports) (absolute scale)

Community Benchmarks - Status

Trailing 14-Day Testing Data (from MA DPH weekly reports)

- Brookline - Positive Tests (left Y axis)
- Brookline - % of Tests Positive (right Y axis)

Community Benchmarks - Status

Panel 4's Recommended Discussion Trigger = 5.0%

Trailing 14-Day Testing Data (from MA DPH weekly reports)

Source: https://www.mass.gov/info-details/covid-19-response-reporting#covid-19-weekly-public-health-report-
Statewide Test Positivity

Massachusetts Department of Public Health COVID-19 Dashboard - Sunday, November 29, 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 11:59pm on 11/28/2020. 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.

Districts are expected to prioritize in-person learning across all color-coded categories, unless there is suspected in-school transmission, in accordance with DESE's Guidance on Responding to COVID-19 Scenarios. Transmission in schools is defined as spread of the virus between people during interactions in the school setting. While there have been positive COVID-19 cases of staff and students in schools, most of these infections have occurred outside of the school setting. If there is suspected in-school transmission, then the affected classrooms or schools should temporarily shift to remote learning, in accordance with DESE's Guidance on Responding to COVID-19 Scenarios. Classrooms and schools should reopen after appropriate mitigation strategies have been implemented, as determined in consultation with the local board of health, DPH, and DESE.
Current MA DESE Guidance, ctd.
https://www.doe.mass.edu/covid19/on-desktop/interpreting-dph-metrics.html

- Districts and schools in communities designated gray, green, or yellow are expected to have students learning fully in-person, if feasible. A hybrid model should be used only if there is no other way to meet health and safety requirements. Parents and caregivers will continue to have the option to choose a district's remote learning program for their children.

- Schools in red communities should implement hybrid models, while maximizing in-person learning time for high-needs students.

... 

- Fully remote instructional models should be implemented only as a last resort in classrooms, schools, or districts when there is suspected in-school transmission or a significant municipal outbreak, in accordance with DESE's Guidance on Responding to COVID-19 Scenarios. Classrooms and schools should reopen after appropriate mitigation strategies have been implemented, as determined in consultation with the local board of health, DPH, and DESE.