



Advisory Panel 4:
Public Health, Safety, & Logistics

Metrics Review

December 11, 2020

Community Benchmarks - Status

Benchmark (each measured over prior 14 days)	Status 11/18/20	Status 11/25/20	Status 12/2/20	Status 12/9/20
Avg. daily new case count in Brookline = <10 per 100k people	10.9	10.8	9.7	13.2
Avg. daily new case count in Mass. = <10 per 100k people	29.4	34.9	35.7	50.0
Avg. test positivity rate in Brookline = <5.0%	0.94%	0.84%	0.78%	1.12%
Avg. test positivity rate in Massachusetts = <5.0%	3.02%	3.32%	3.73%	5.25%

Because at least two of these four thresholds have been exceeded, Panel 4 has discussed how we advise PSB to respond. To date, our guidance has focused on enhancements to anti-transmission measures in school.

Updated MA DPH Color Scale



Massachusetts Department of Public Health COVID-19 Dashboard - Thursday, November 12, 2020
Average Daily Incidence Rate per 100,000 Color Calculations

Incidence Rate Color Table

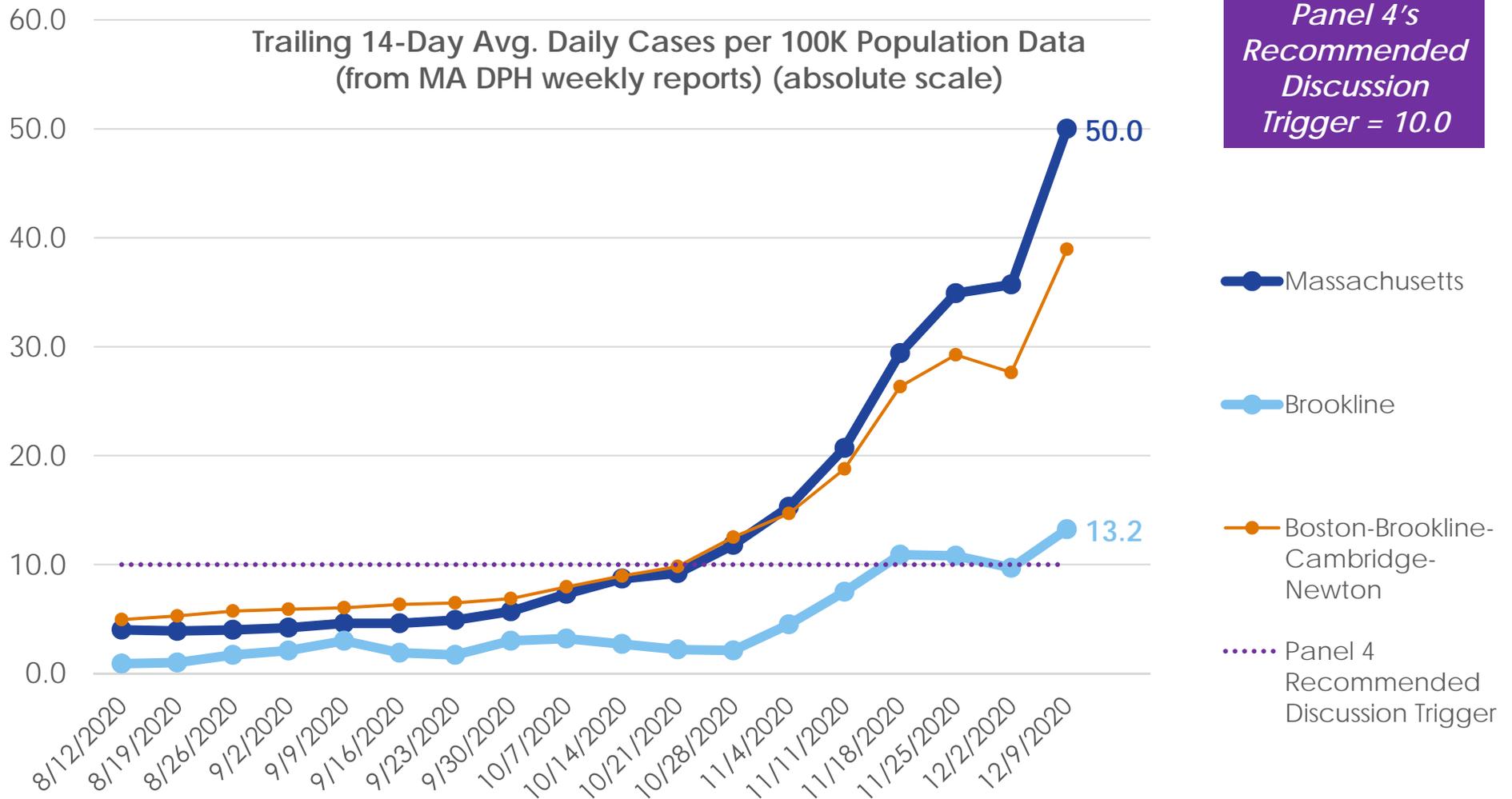
Group	Population		
	Under 10K	10K-50K	Over 50K
Grey	Less than or equal to 10 total cases	Less than or equal to 10 total cases	Less than or equal to 15 total cases
Green	Less than or equal to 15 total cases	<10 avg cases/100k AND >10 total cases	<10 avg cases/100k AND >15 total cases
Yellow	Less than or equal to 25 total cases	≥10 avg cases/100k OR ≥5% pos rate	≥10 avg cases/100k OR ≥ 4% pos rate
Red	More than 25 total cases	≥10 avg cases/100k AND ≥5% pos rate	≥10 avg cases/100k AND ≥4% pos rate

Brookline is here as of 12/9/2020 (yellow zone)

Brookline's population is ~60,000

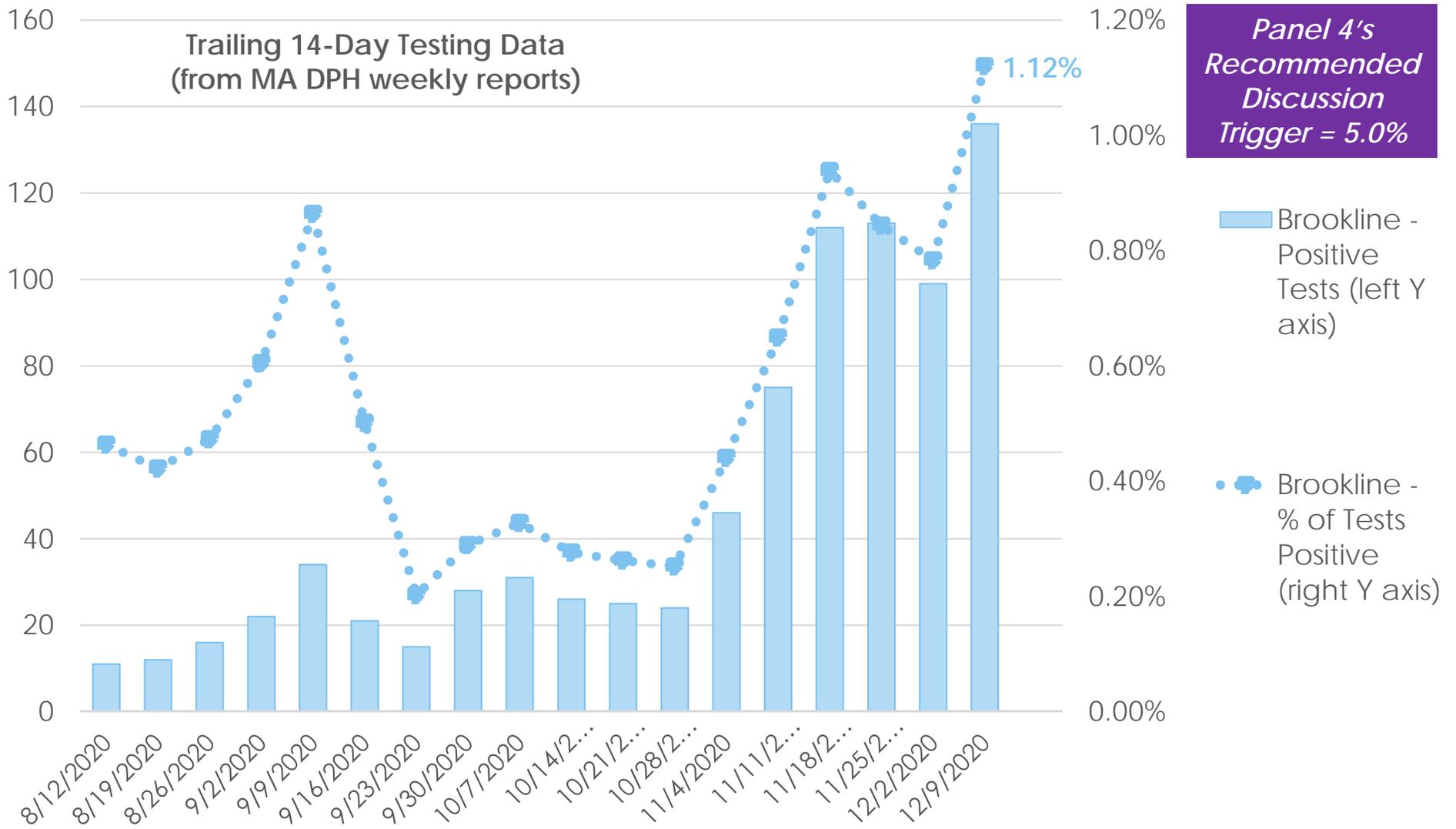
As of 11/5, DPH is using 2019 population estimates derived from a method developed by the University of Massachusetts Donahue Institute. The 2019 estimates are the most currently available data.

Community Benchmarks - Status



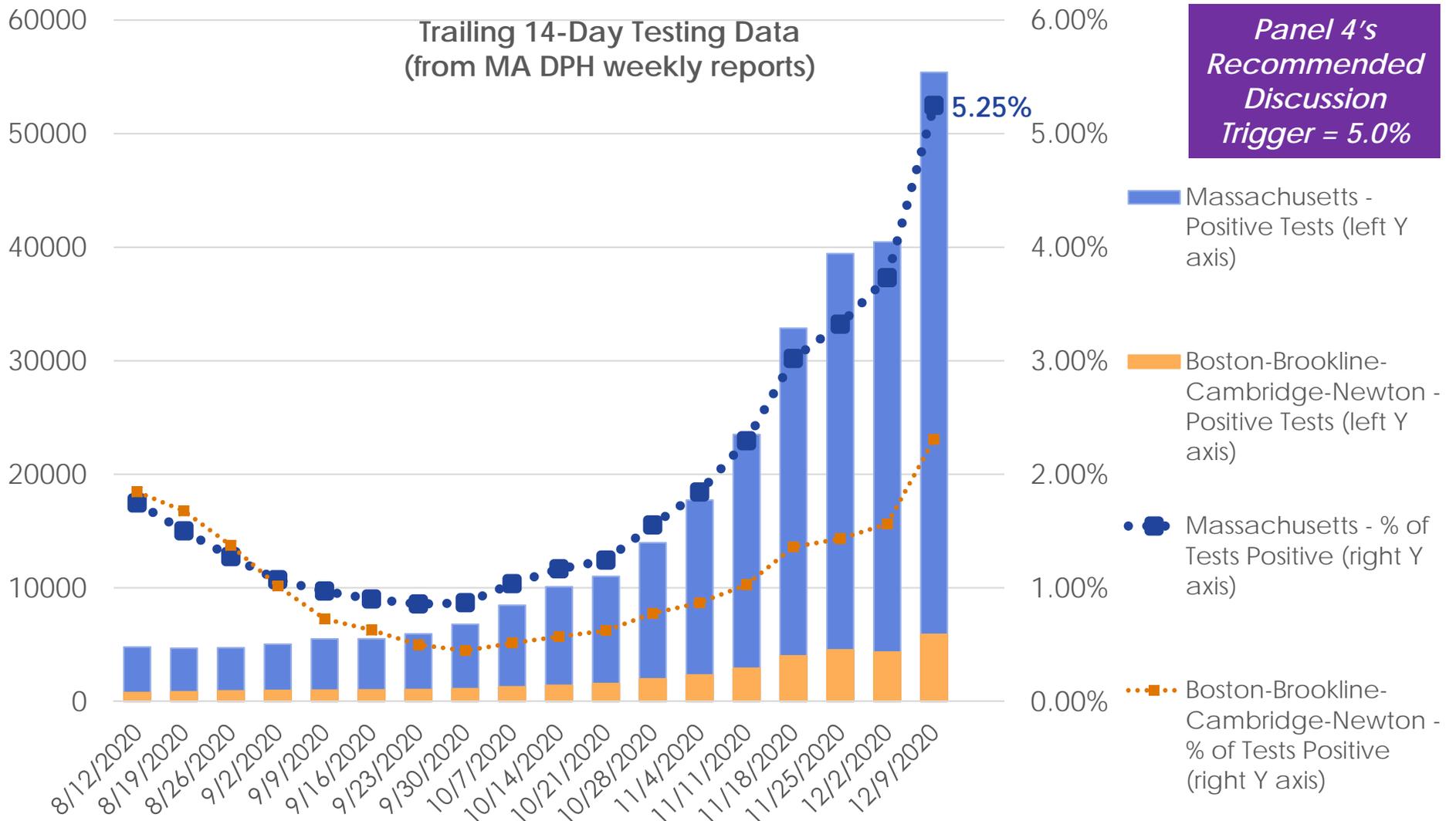
Sources: <https://www.mass.gov/info-details/covid-19-response-reporting# covid-19-weekly-public-health-report->

Community Benchmarks - Status



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

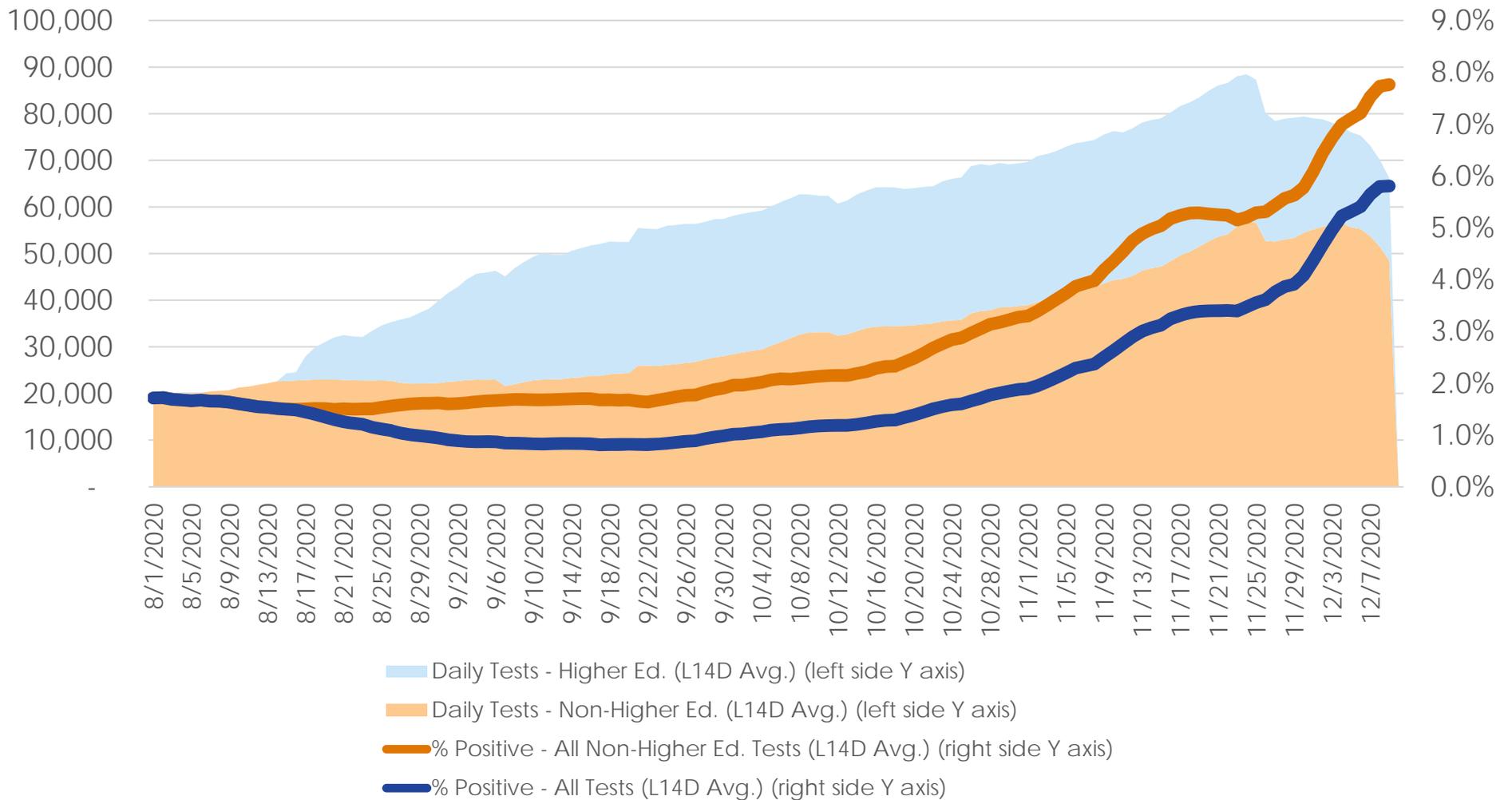
Community Benchmarks - Status



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

Statewide Test Positivity

MA Statewide Test Positivity



Source: <https://www.mass.gov/info-details/covid-19-response-reporting>

Brookline in Regional Context

Municipality	Avg. Daily Cases/100k L14D	% of Tests Positive L14D	Total Tests L14D / Muni. Population
Boston	46.1	2.8%	~26%
Milton	42.5	4.2%	~16%
Watertown	39.1	3.7%	~18%
Dedham	36.8	4.6%	~12%
Somerville	36.7	1.3%	~42%
Arlington	25.1	2.9%	~14%
Needham	23.9	2.2%	~17%
Newton	23.6	1.3%	~27%
Cambridge	22.3	1.0%	~37%
Belmont	21.9	2.6%	~13%
Wellesley	19.7	1.0%	~31%
Brookline	13.2	1.1%	~19%

Source: <https://www.mass.gov/info-details/covid-19-response-reporting>

Public Schools of Brookline Case Count

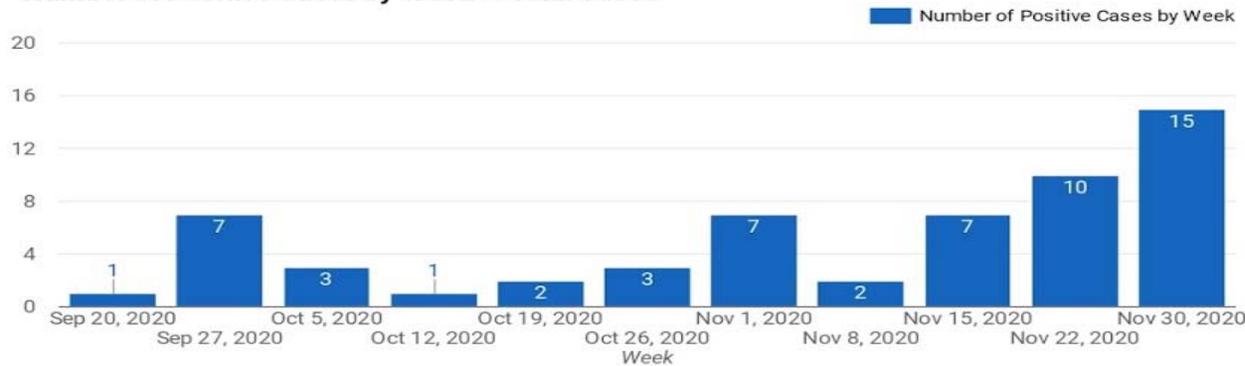
Data Last Updated: 12/9/20



COVID-19 CASES: DISTRICT DASHBOARD

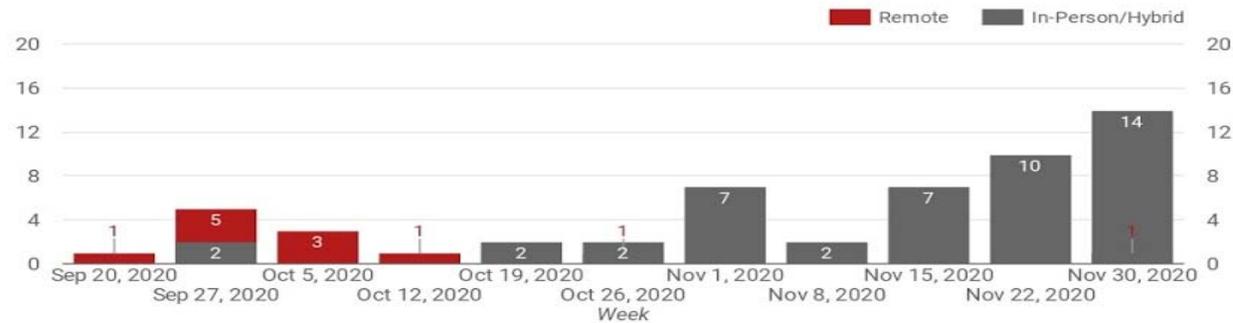
Dashboard outlines number of positive COVID-19 cases in the PSB school community by week and learning model. For the purpose of this dataset, weeks run Monday - Sunday.
Source: Public Schools of Brookline School Health Services Department

Number of Positive Cases by Week -- Total Cases



TOTAL PSB CASES TO DATE:
58

Number of Positive Cases by Week and Learning Model



TOTAL PSB CASES TO DATE:
Remote: 12
In-Person/Hybrid: 46

Public Schools of Brookline Case Count

Data Last Updated: 12/9/20



COVID-19 CASES: SCHOOL BY SCHOOL DASHBOARD

The table outlines the number of positive COVID-19 cases by week (beginning the week of 11/30) and the number of cumulative cases for the year at each school. For the purpose of this dataset, weeks run Monday - Sunday.
Source: Public Schools of Brookline School Health Services Department

Number of Positive Cases by School & District Offices -- # by Week and Total Cumulative Cases

School	Weekly Positive Cases (11/30)	Cumulative Positive Cases
BEEP @ Beacon	0	0
BEEP @ Clark	0	0
BEEP @ Lynch	0	1
BEEP @ Putterham	0	0
Baker	3	8
Driscoll	0	5
Florida Ruffin Ridley	0	6
Heath	0	2
Lawrence	1	6
Lincoln	0	3
Pierce	3	10
Runkle	2	4
Remote Learning Academy K-8	1	3
Brookline High School	1	7
Total	11	55
	Weekly Positive Cases (11/30)	Cumulative Positive Cases
District Office	1	3

Appendix – For Reference As Needed

Statewide Case Count



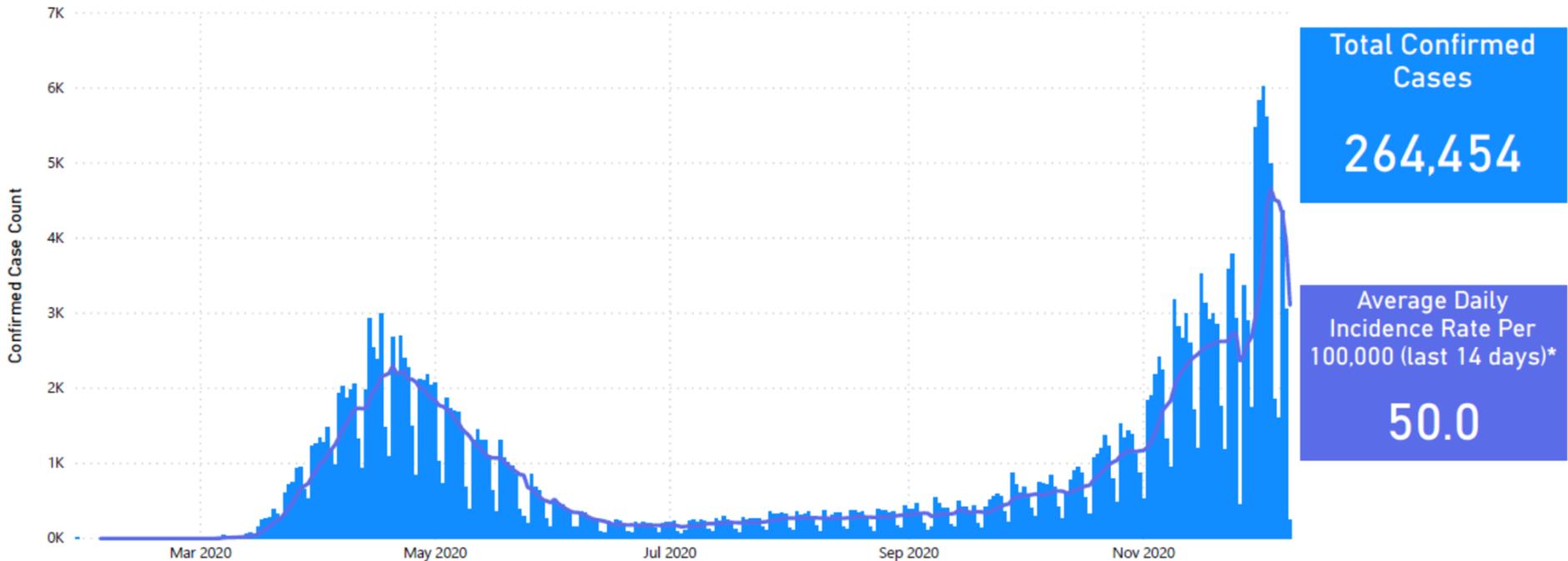
Massachusetts Department of Public Health COVID-19 Dashboard-

Thursday, December 10, 2020

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

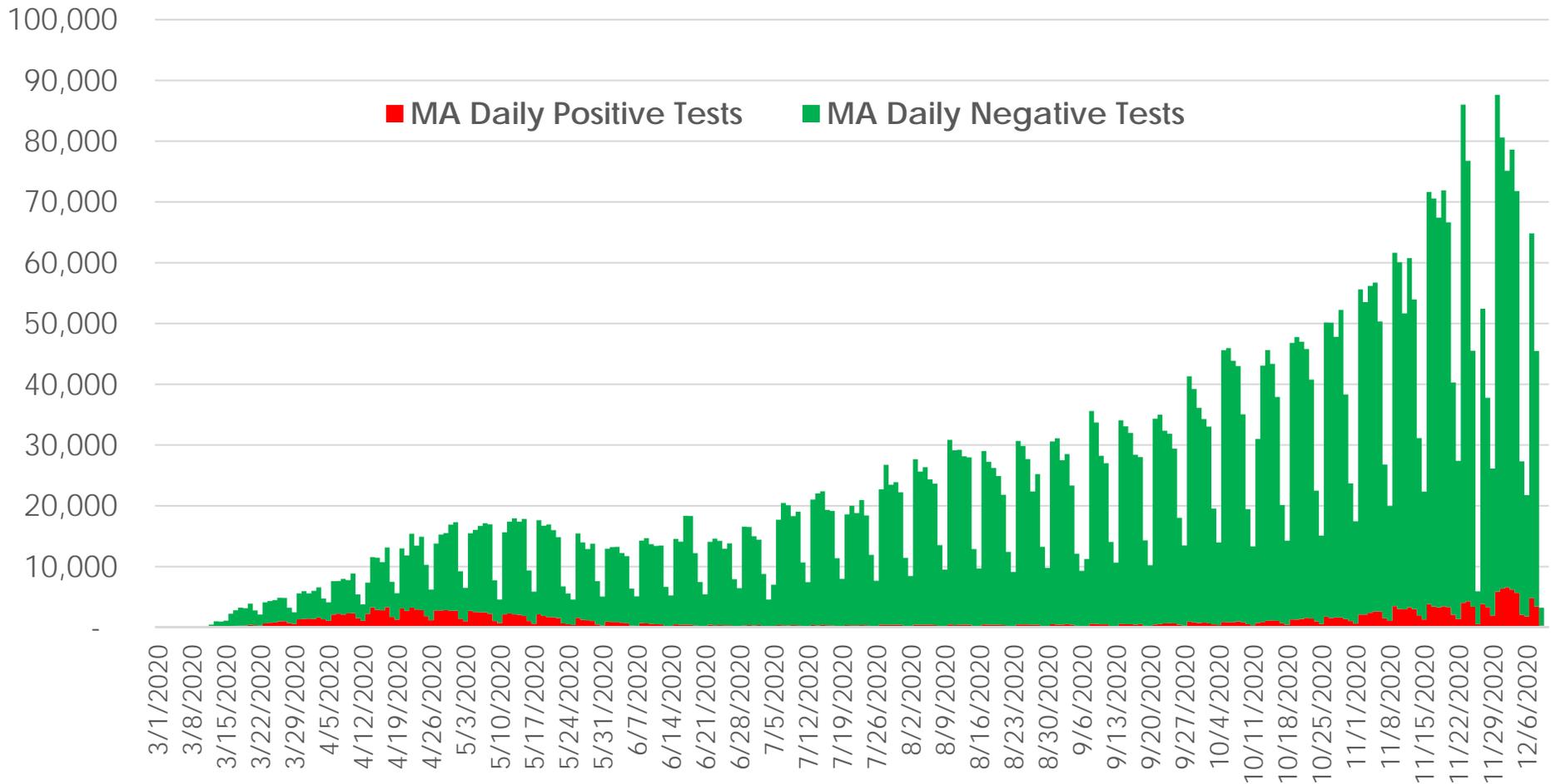


Data Sources: COVID-19 Data provided by the Bureau of Infectious Disease and Laboratory Sciences; State Population Estimate 2019: Small Area Population Estimates 2011-2020, version 2019, Massachusetts Department of Public Health, Bureau of Environmental Health; Tables and Figures created by the Office of Population Health. Note: all data are current as of 11:59pm on 12/9/2020. Due to lag in reporting by laboratories, counts for most recent dates are likely to be incomplete.

*Last updated Wednesday, 12/9/2020; Covers 11/22/2020-12/5/2020.

Statewide Case Count

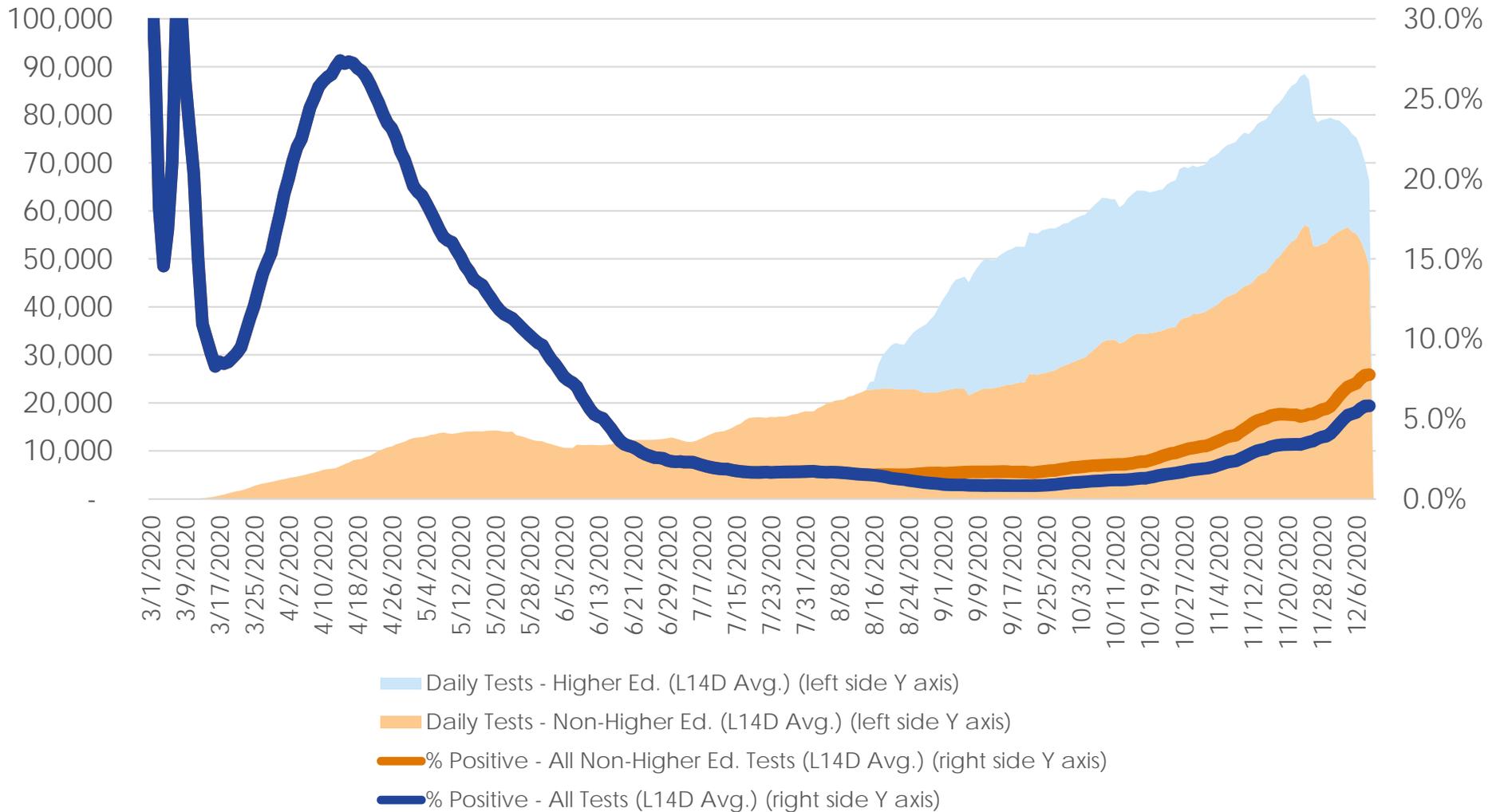
MA Daily Testing History



Source: <https://www.mass.gov/info-details/covid-19-response-reporting>

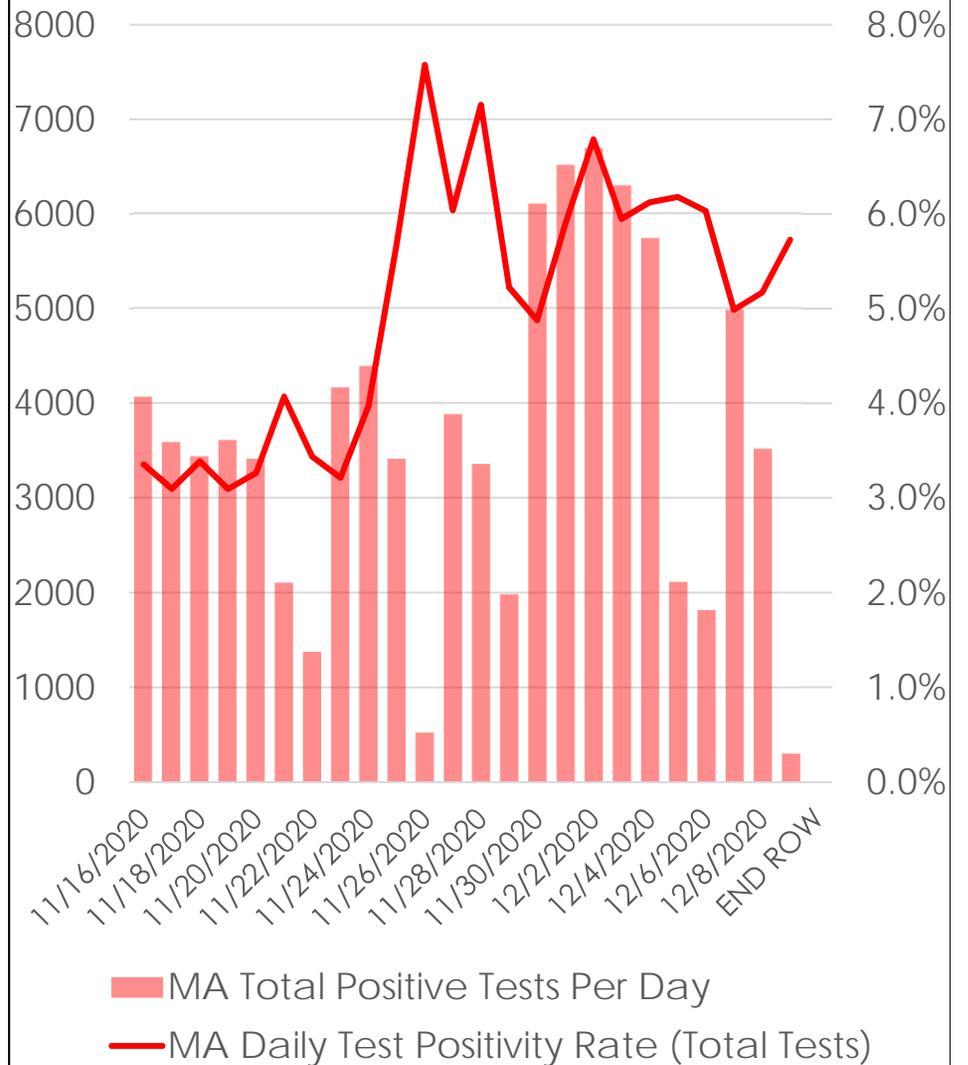
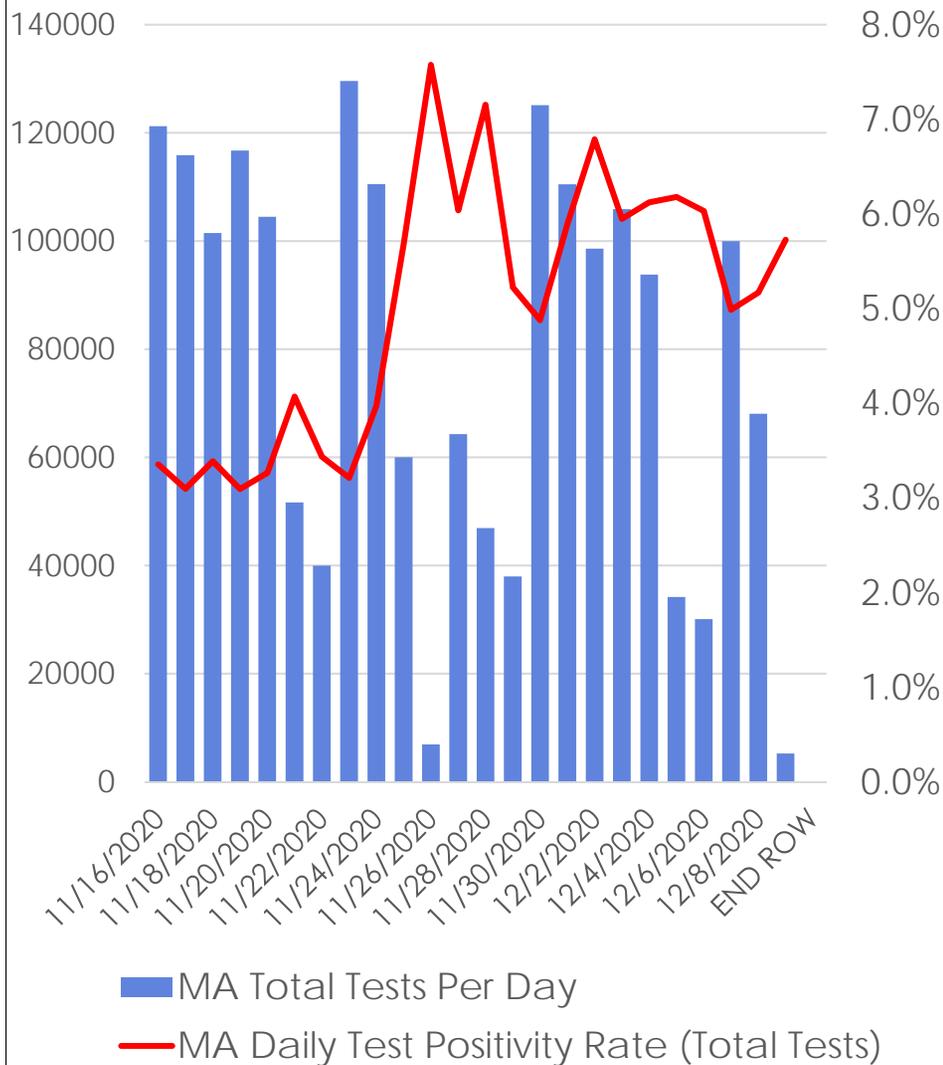
Statewide Test Positivity

MA Statewide Test Positivity



Source: <https://www.mass.gov/info-details/covid-19-response-reporting>

Statewide Daily Test Data



Source: <https://www.mass.gov/info-details/covid-19-response-reporting>

Statewide Daily Positive Tests By Age Group

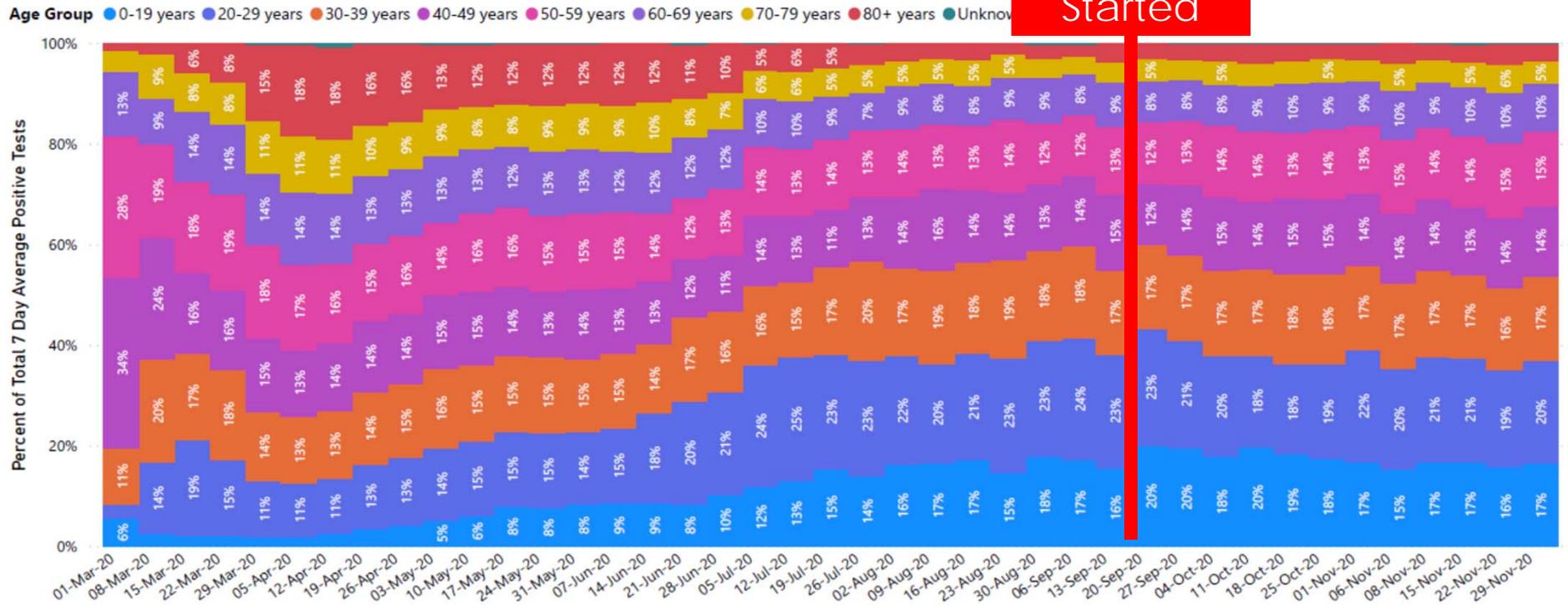


Massachusetts Department of Public Health COVID-19 Dashboard- Thursday, December 10, 2020

Positive Tests by Age Group

K-12 School Started

Percent by Week and Age Group



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, 12/9/2020 . This includes individuals who have had more than one molecular test.

Current MA DESE Guidance

<https://www.doe.mass.edu/covid19/on-desktop/interpreting-dph-metrics.html>

- *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.*