PUBLIC SCHOOLS of BROOKLINE

Advisory Panel 4:
Public Health, Safety, & Logistics

Metrics Review

December 27, 2020

Community Benchmarks - Status

Benchmark (each measured over prior 14 days)	Status 12/2/20	Status 12/9/20	Status 12/16/20	**Status 12/23/20**
Avg. daily new case count in Brookline = <10 per 100k people	9.7	13.2	19.8	**23.8**
Avg. daily new case count in Mass. = <10 per 100k people	35.7	50.0	65.1	**63.2**
Avg. test positivity rate in Brookline = <5.0%	0.78%	1.12%	1.46%	**1.77%**
Avg. test positivity rate in Massachusetts = <5.0%	3.73%	5.25%	6.01%	**6.14%**

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.

Data source: https://www.mass.gov/info-details/covid-19-response-reporting#covid-19-weekly-public-health-report-

Updated MA DPH Color Scale

Incidence Rate Color Table

Massachusetts Department of Public Health COVID-19 Dashboard - Thursday, November 12, 2020

Average Daily Incidence Rate per 100,000 Color Calculations

	Population		
Group	**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's population is ~60,000

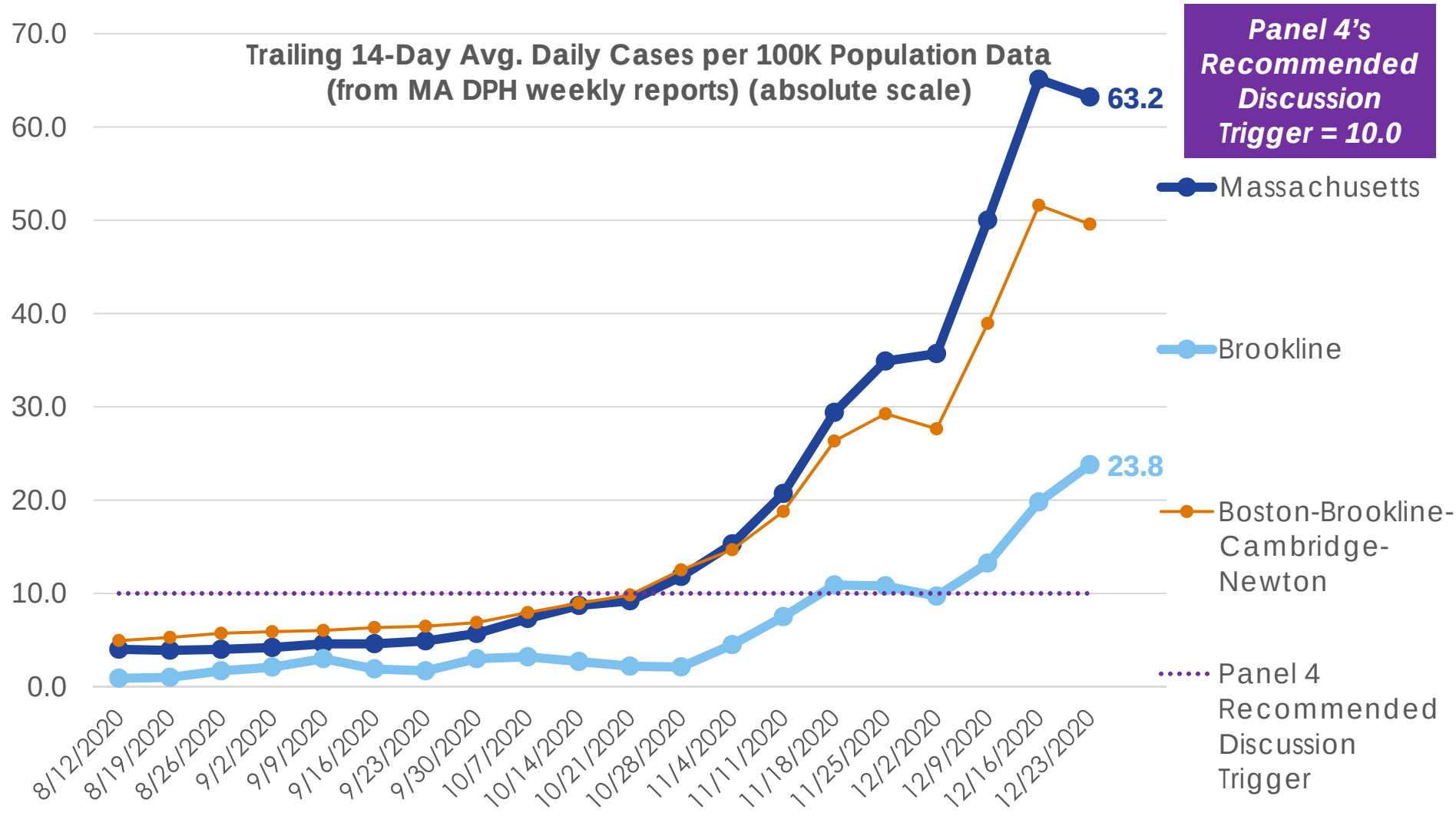
Brookline is here as of 12/23/2020 (yellow zone)

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.

27

Chart source: https://www.mass.gov/info-details/covid-19-response-reporting

Community Benchmarks - Status



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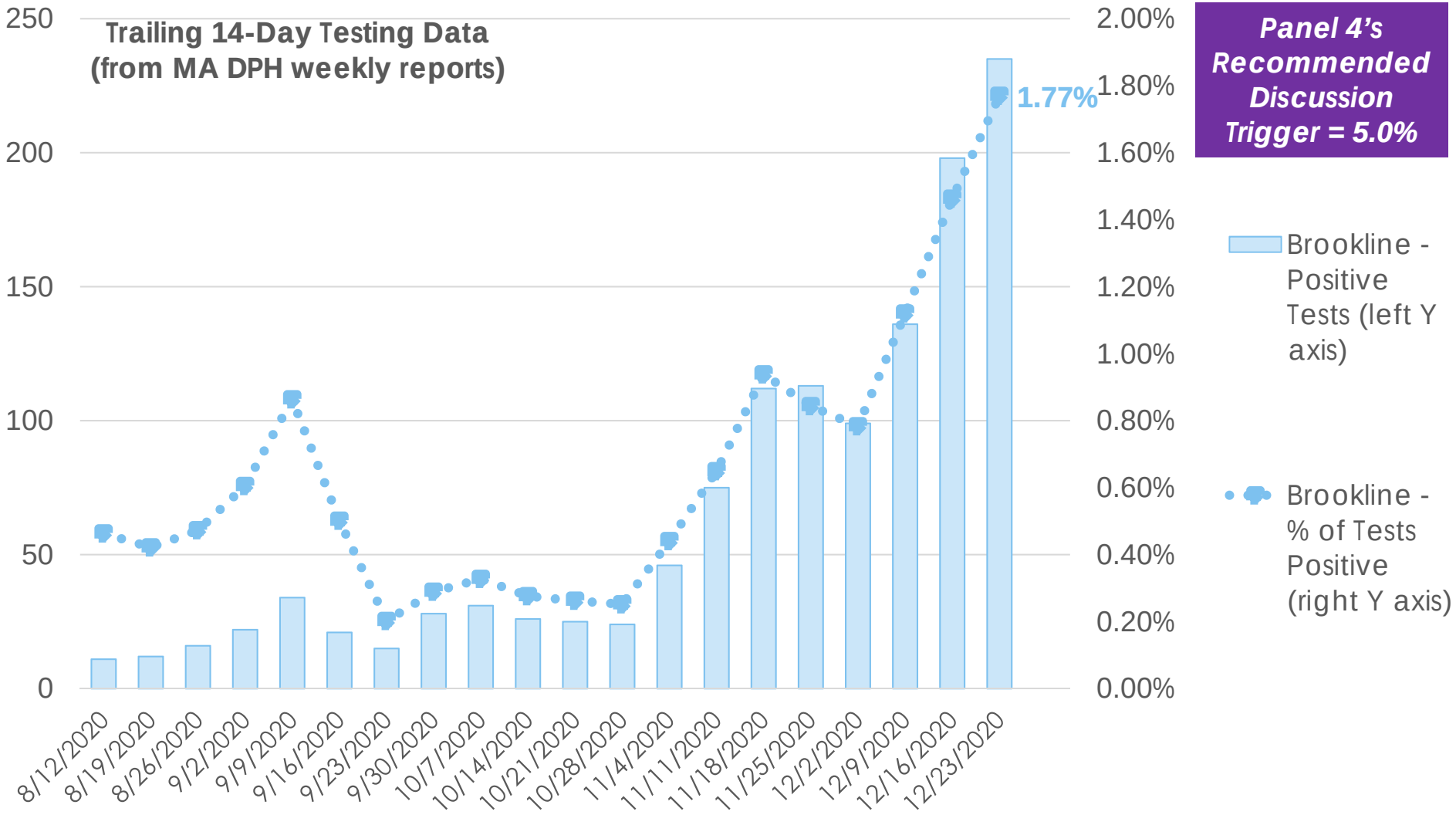

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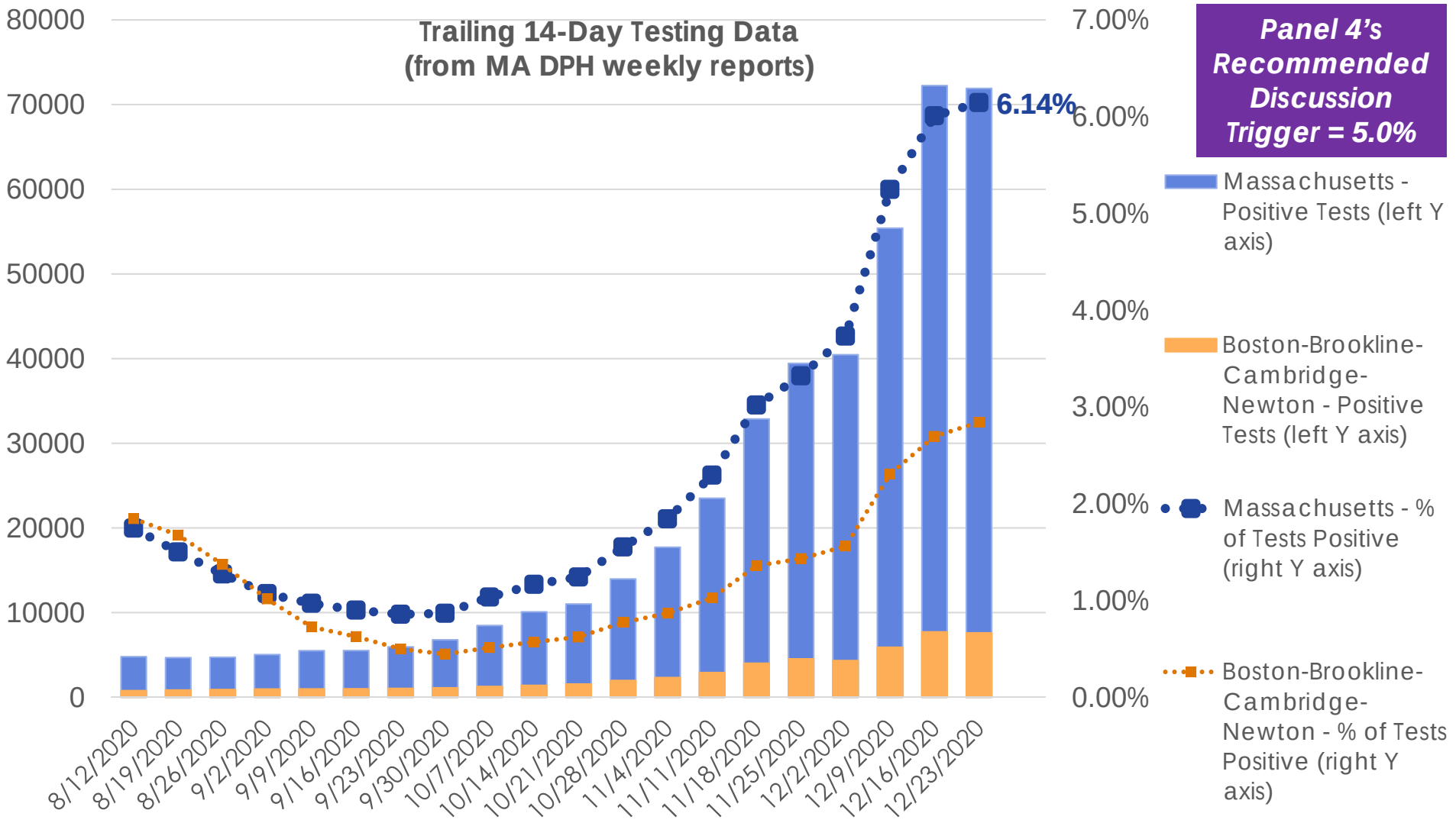

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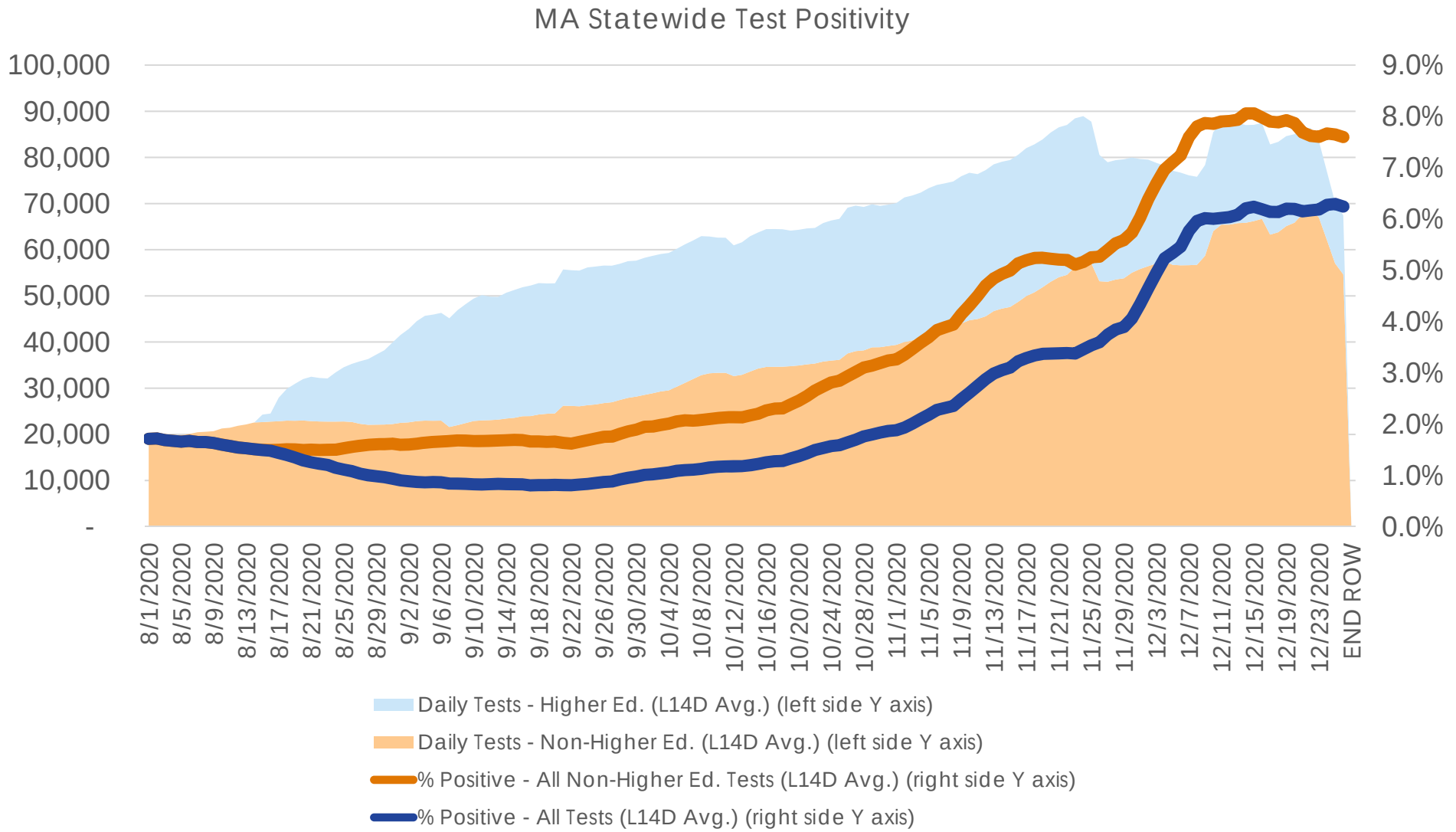
Statewide Test Positivity



Data source: https://www.mass.gov/info-details/covid-19-response-reporting

Brookline in Regional Context

(as of 12/23/2020)

Municipality	Avg. Daily Cases/100k L14D	% of Tests Positive L14D	Total Tests L14D / Muni. Population
Boston	**59.1**	3.5%	**27%**
Milton	**59.1**	**5.1%**	18%
Watertown	**51.0**	**4.7%**	18%
Dedham	**49.0**	**5.1%**	**14%**
Somerville	**48.7**	2.0%	**39%**
Needham	31.0	2.7%	19%
Belmont	29.4	3.1%	**15%**
Cambridge	26.9	**1.2%**	**38%**
Arlington	25.3	2.6%	**16%**
Brookline	**23.8**	**1.8%**	**21%**
Newton	**23.5**	**1.4%**	**27%**
Wellesley	**21.6**	**1.3%**	**26%**

Data source: https://www.mass.gov/info-details/covid-19-response-reporting#covid-19-weekly-public-health-report-

Public Schools of Brookline Case Count

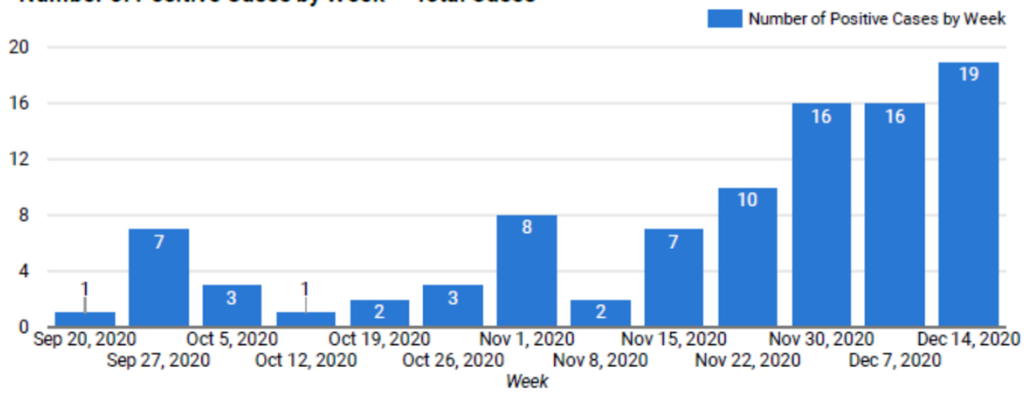
Data Last Updated: 12/21/20

PUBLIC SCHOOLS of BROOKLINE

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

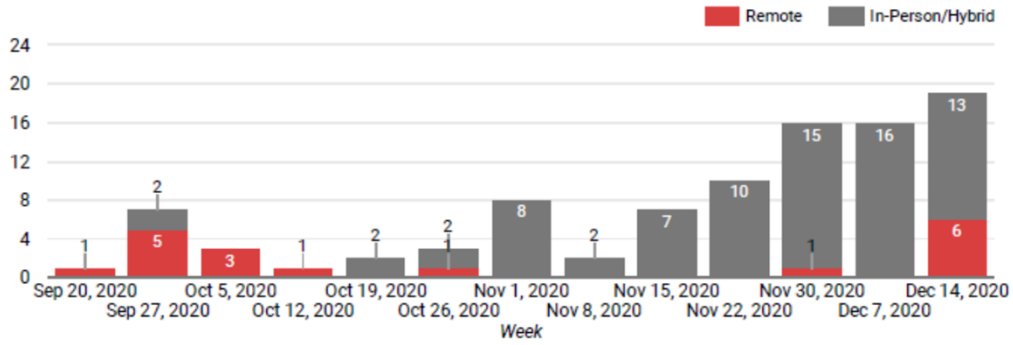
Number of Positive Cases by Week -- Total Cases



TOTAL PSB CASES TO DATE:

95

Number of Positive Cases by Week and Learning Model



TOTAL PSB CASES TO DATE:

Remote: 18
In-Person/Hybrid: 77

Chart source: https://sites.google.com/psbma.org/psb-reopening-hub/dashboard?authuser=0

Public Schools of Brookline Case Count

PUBLIC SCHOOLS of BROOKLINE

Data Last Updated: 12/21/20

COVID-19 CASES: SCHOOL BY SCHOOL DASHBOARD

The table outlines the number of positive COVID-19 cases by week 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

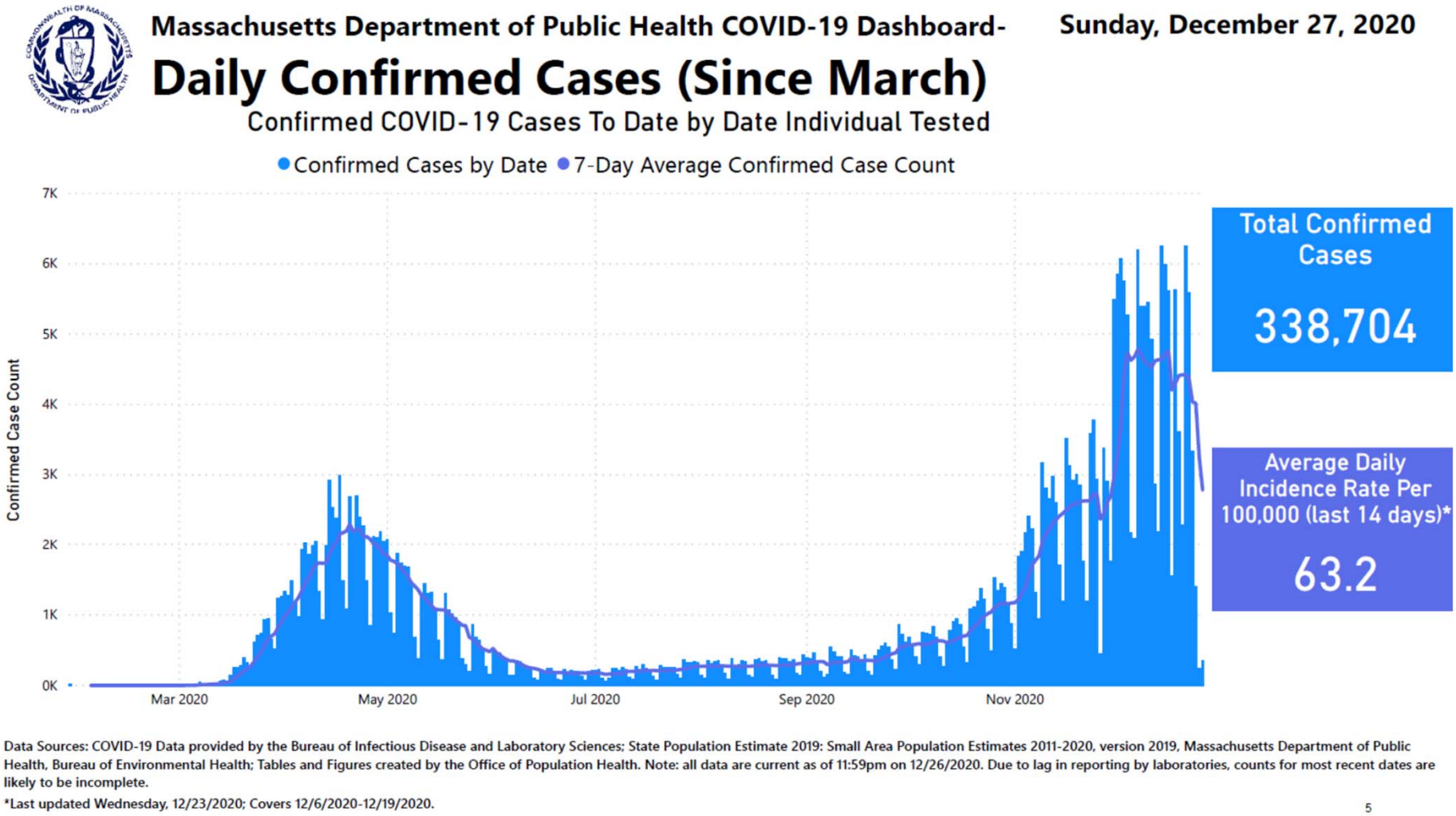
School	Weekly Positive Cases (12/14)	Cumulative Positive Cases
BEEP @ Beacon	0	1
BEEP @ Clark	1	1
BEEP @ Lynch	0	0
BEEP @ Putterham	0	0
Baker	2	17
Driscoll	2	7
Florida Ruffin Ridley	0	6
Heath	0	4
Lawrence	0	7
Lincoln	0	6
Pierce	1	14
Runkle	2	7
Remote Learning Academy K-8	2	5
Brooklline High School	9	17
Total	19	92

	Weekly Positive Cases (12/14)	Cumulative Positive Cases
District Office	0	3

Chart source: https://sites.google.com/psbma.org/psb-reopening-hub/dashboard?authuser=0

Appendix – For Reference As Needed

Statewide Case Count



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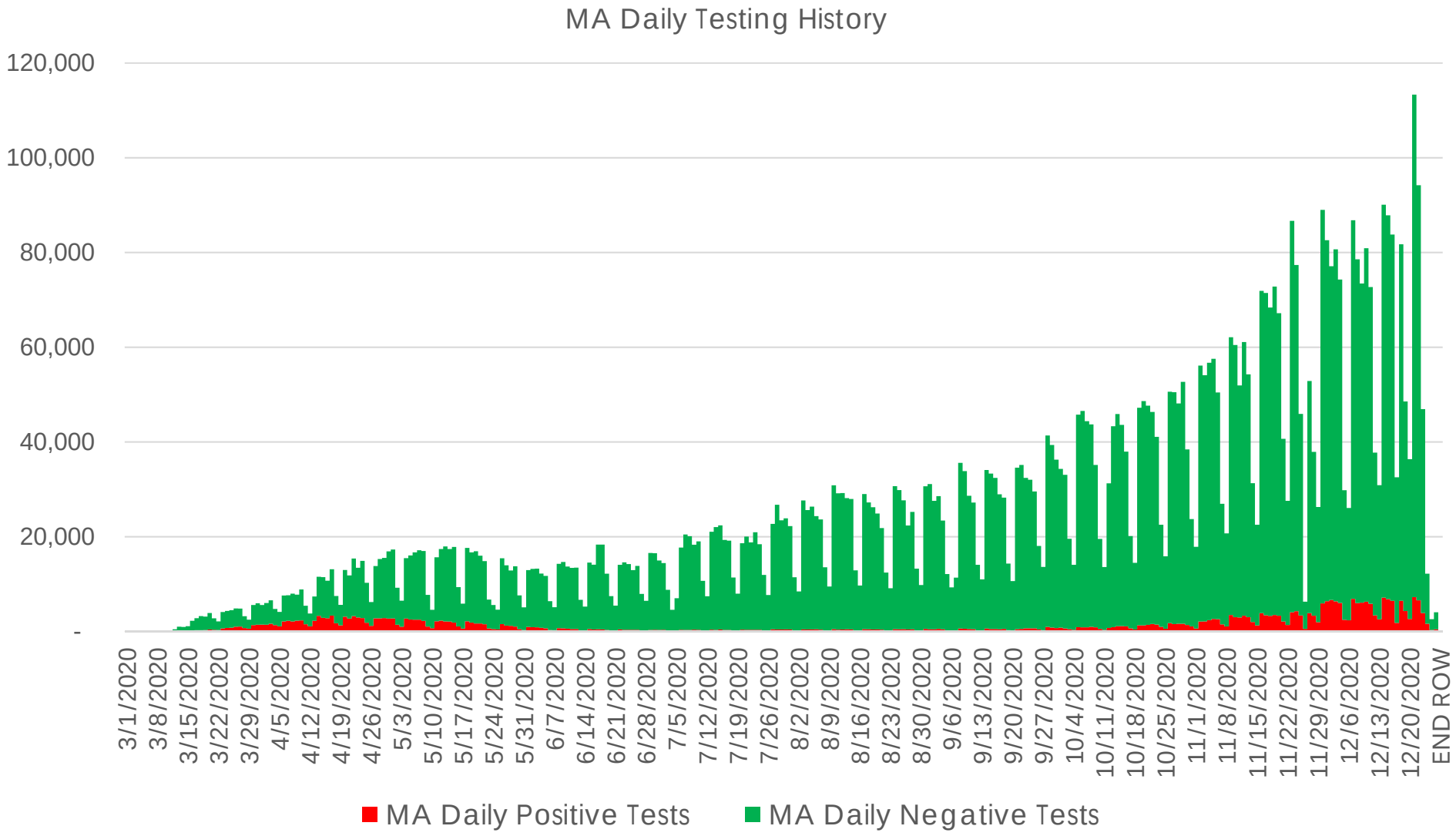

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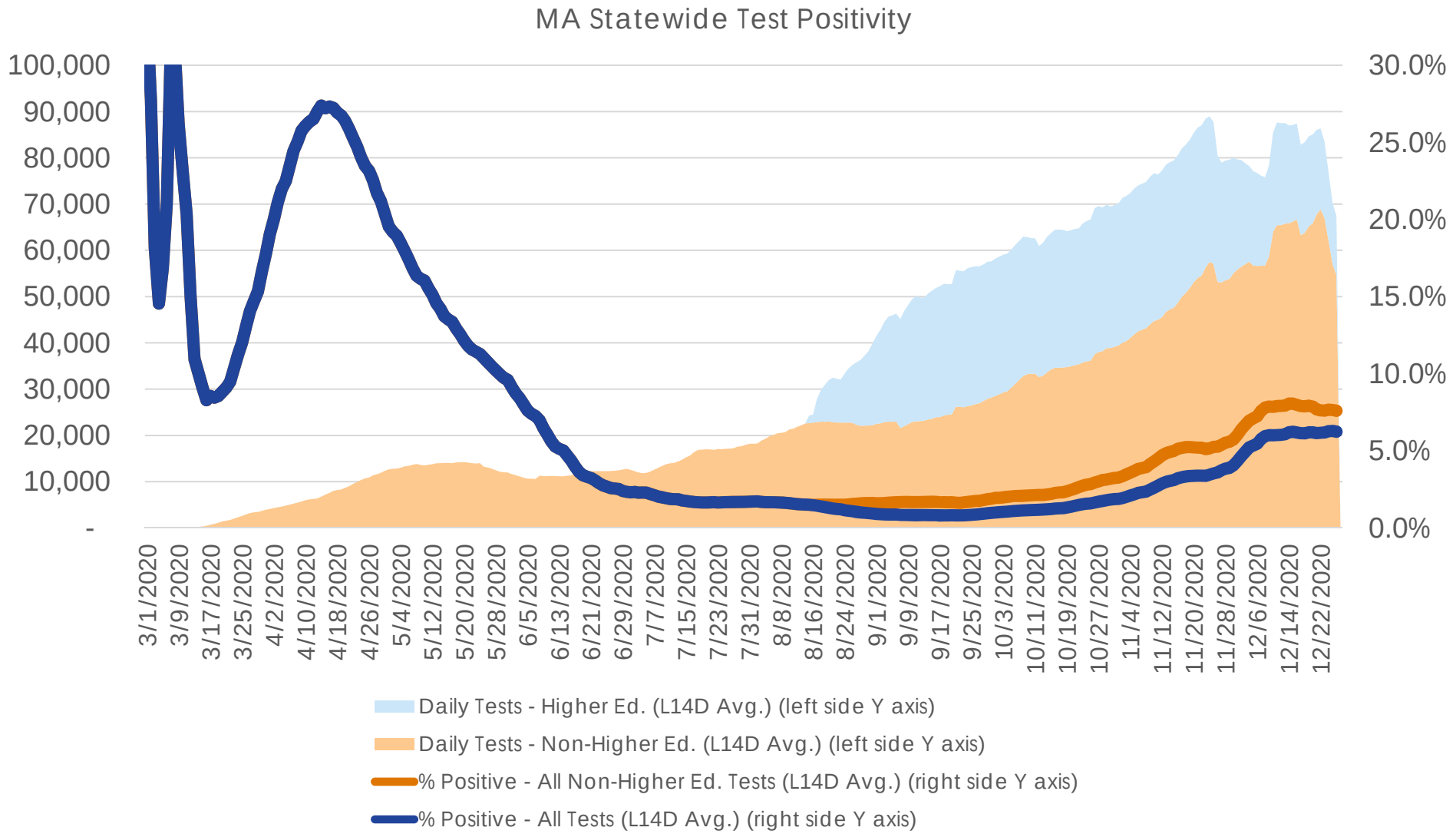
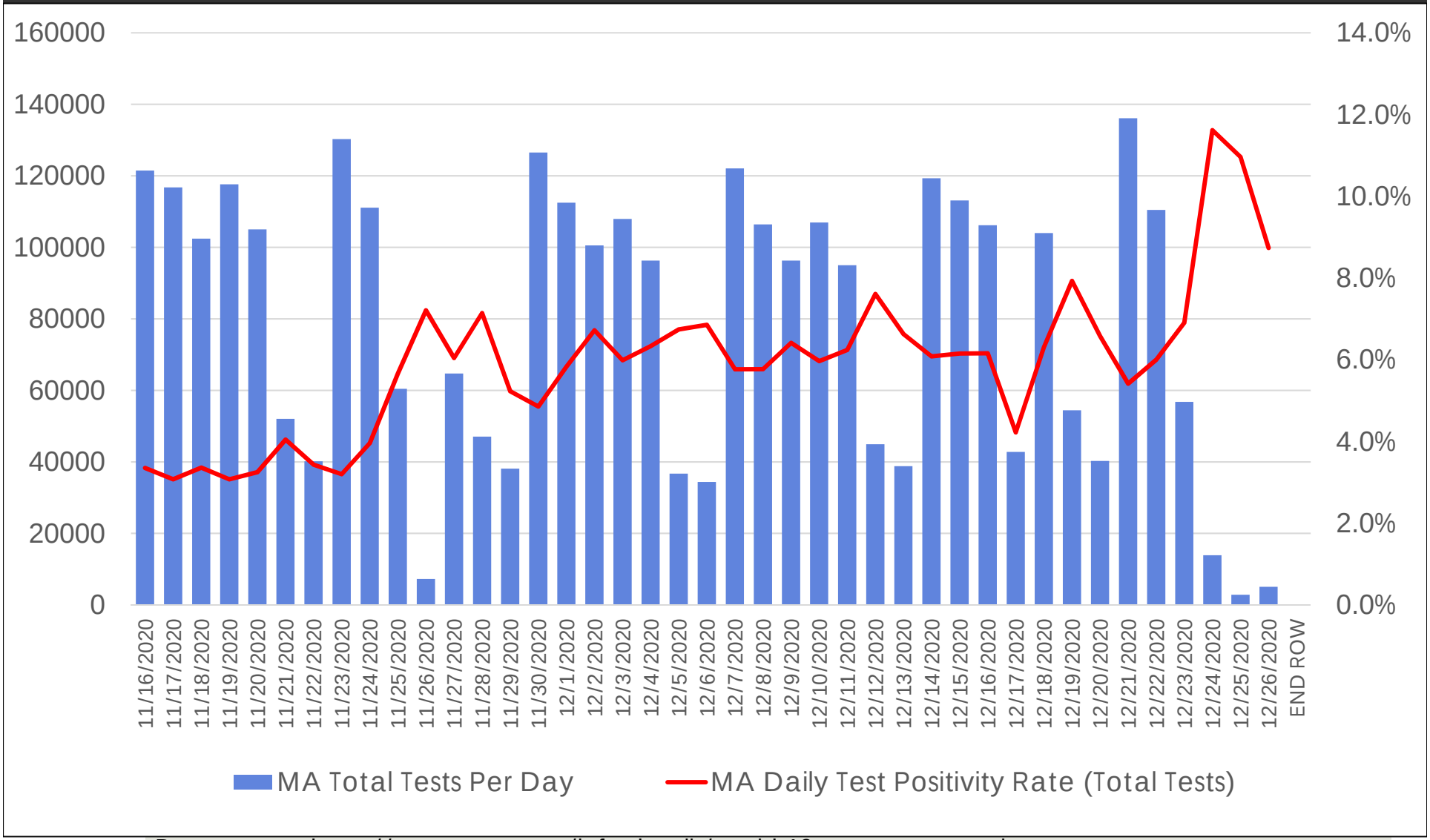


Data source: https://www.mass.gov/info-details/covid-19-response-reporting

Statewide Daily Test Data



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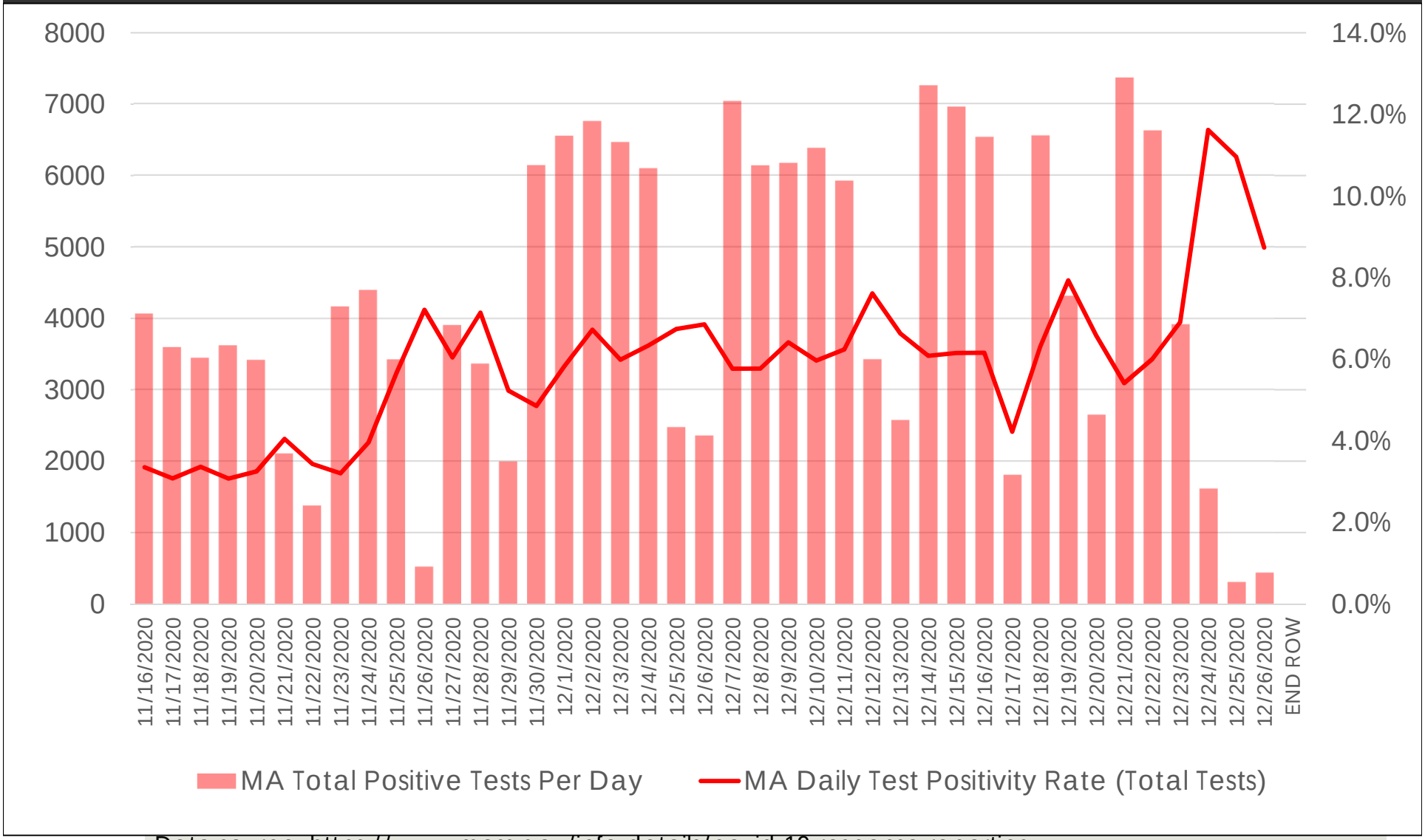

Data source: https://www.mass.gov/info-details/covid-19-response-reporting

Statewide Daily Positive Tests By Age Group

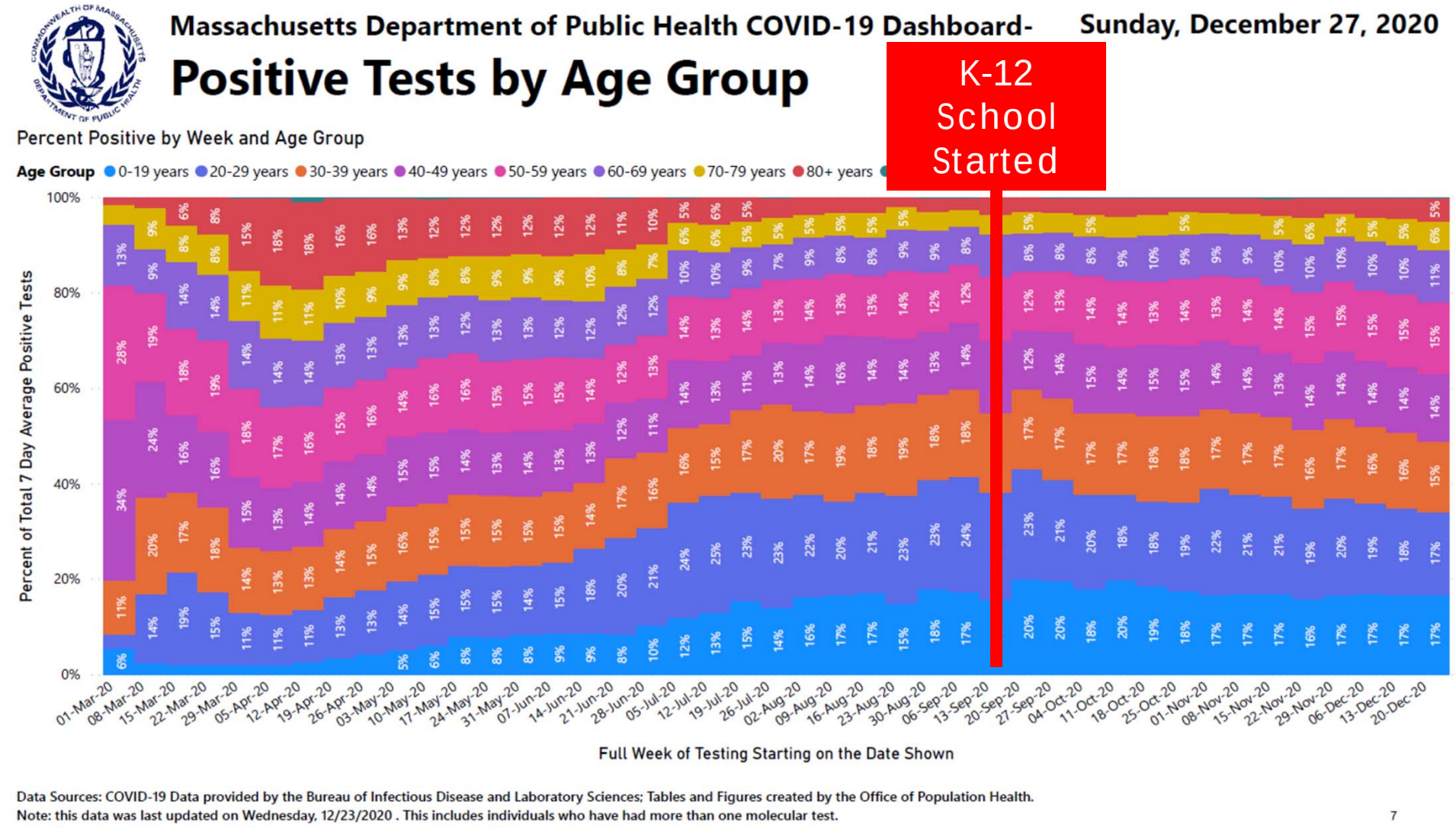

Chart source: https://www.mass.gov/info-details/covid-19-response-reporting

MA DESE Guidance – In-Person/Remote

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.*

MA DESE Guidance – In-Person/Remote

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.*