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**PUBLIC SCHOOLS of  
BROOKLINE**

Advisory Panel 4:  
Public Health, Safety, & Logistics

Meeting Slides  
January 21, 2022

# Community Benchmarks - Status

<b>Benchmark</b> (each measured over prior 14 days)	Status 12/4/21	Status 12/18/21	Status 1/1/22	Status 1/15/22
<b>Avg. daily new case count in Brookline = &lt;10 per 100k people</b>	14.2	24.8	90.2	<b>151.7</b>
<b>Avg. daily new case count in Mass. = &lt;10 per 100k people</b>	47.7	67.5	151.7	<b>278.9</b>
<b>Avg. test positivity rate in Brookline = &lt;5.0%</b>	1.03%	1.53%	8.90%	<b>10.52%</b>
<b>Avg. test positivity rate in Massachusetts = &lt;5.0%</b>	4.46%	5.66%	15.03%	<b>20.61%</b>

*Panel 4 selected these four community transmission benchmarks in August 2020 as triggers for focused evaluation and discussion of whether changes in operations are warranted, not as definitive indicators of in-school risk or thresholds for automatic action. Research and PSB-specific data since that time have convincingly shown that in-school transmission risk can be kept very low even at high levels of community case incidence.*

# 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**

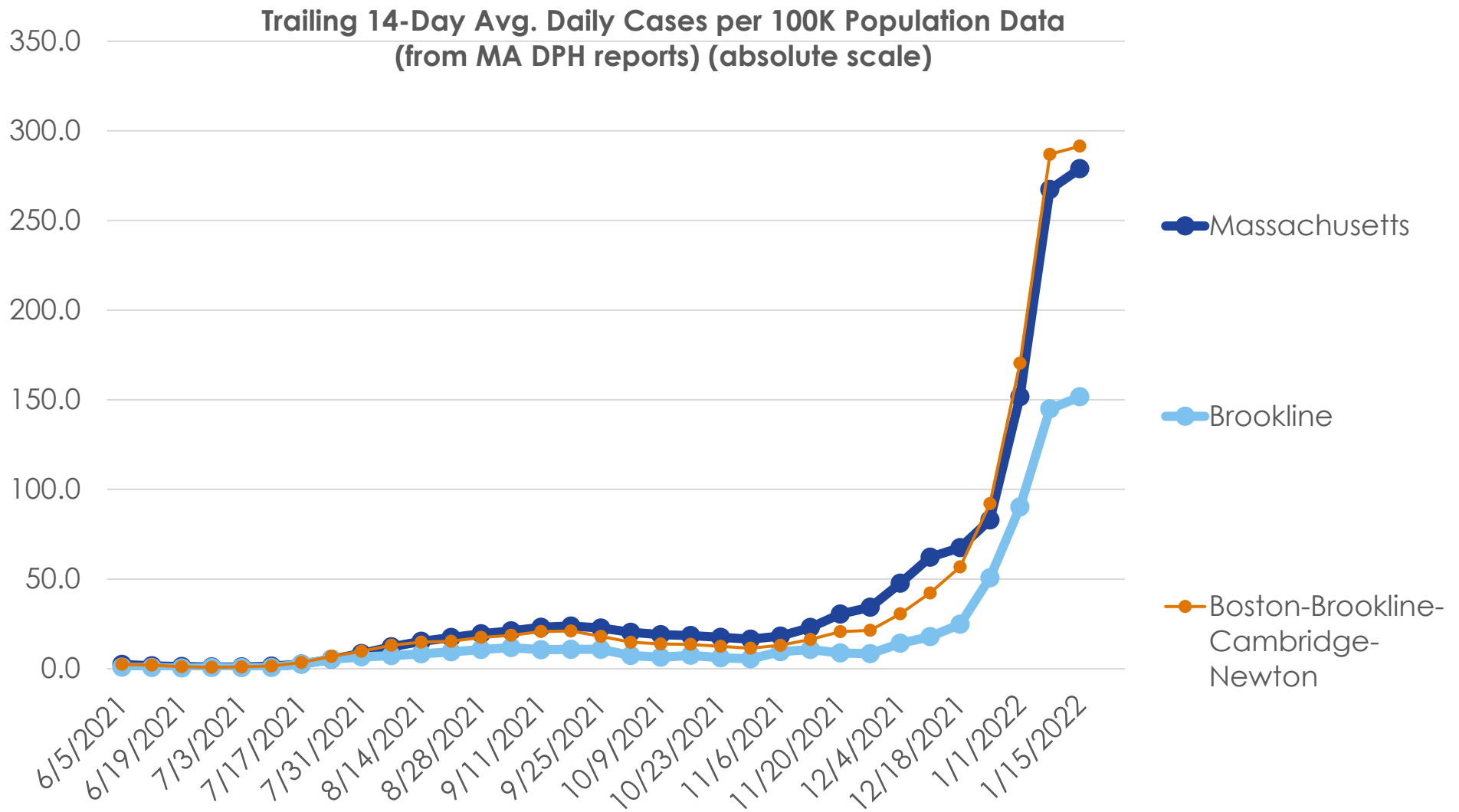
Group	Population		
	Under 10K	10K-50K	Over 50K
Grey	Less than or equal to 10 total cases	Less than or equal to 10 total cases	Less than or equal to 15 total cases
Green	Less than or equal to 15 total cases	<10 avg cases/100k AND >10 total cases	<10 avg cases/100k AND >15 total cases
Yellow	Less than 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's population is ~63,000*

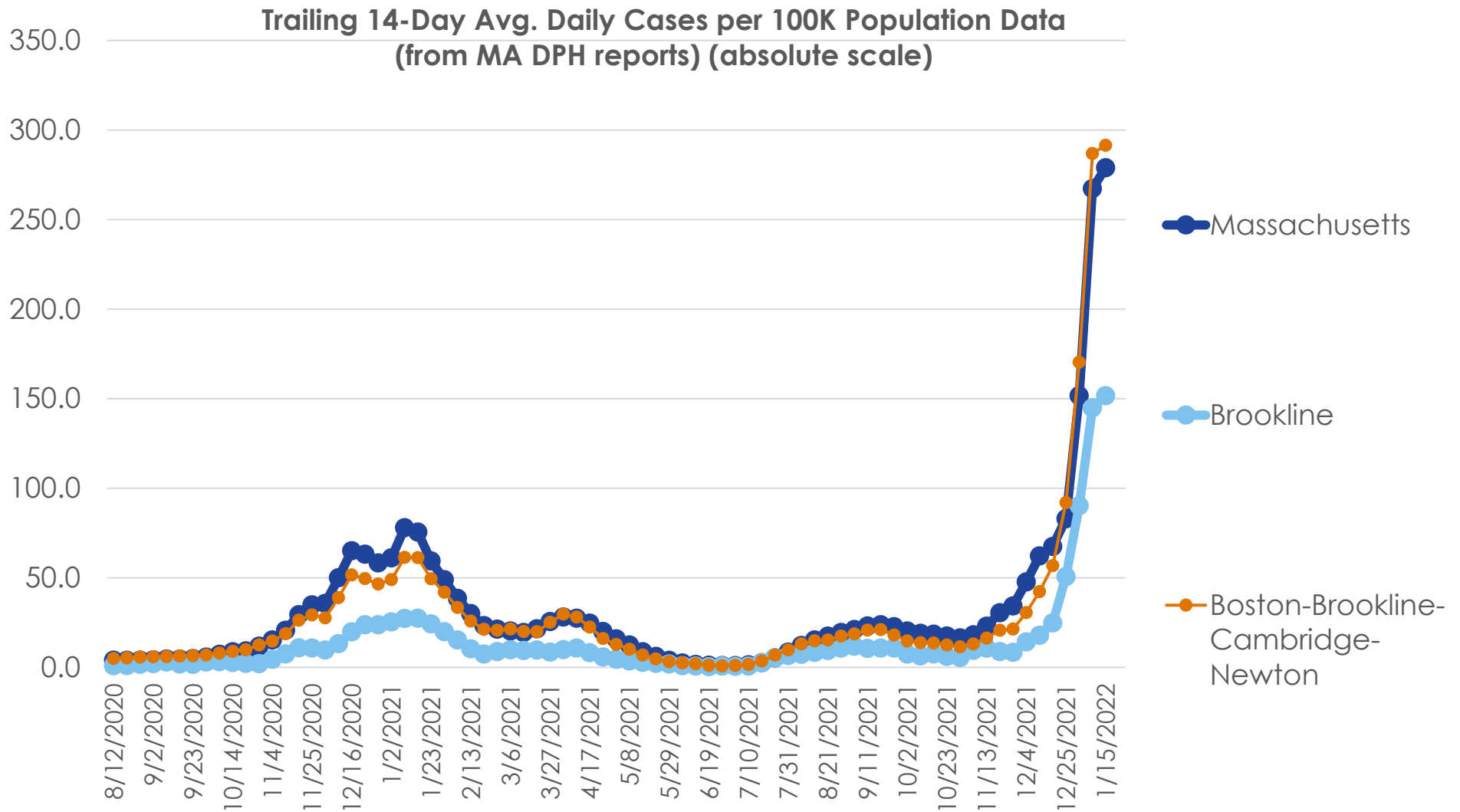
**Brookline is here as of 1/15/22 (red)**

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.

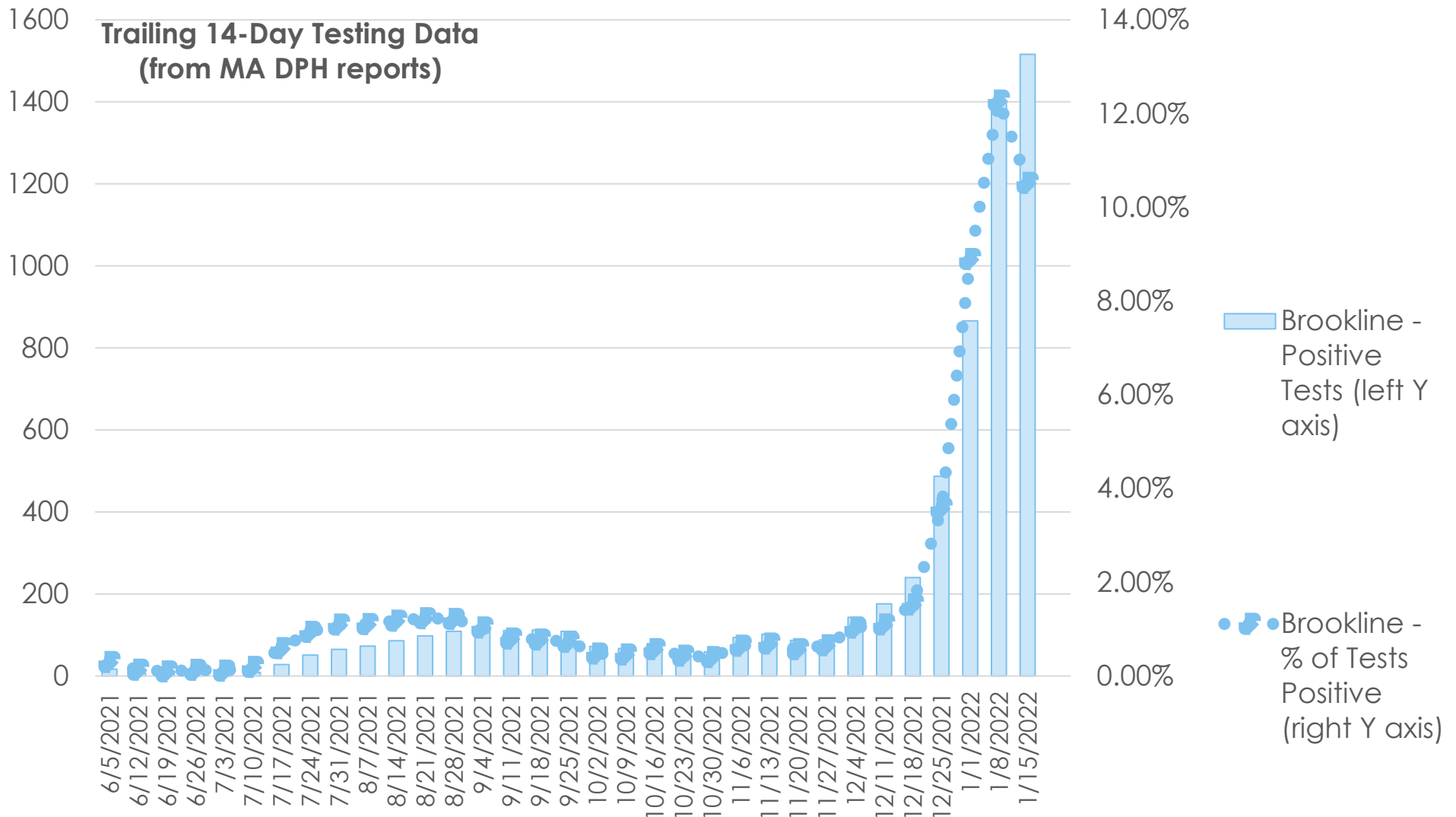
# Trends: Avg. Daily New Cases per 100k



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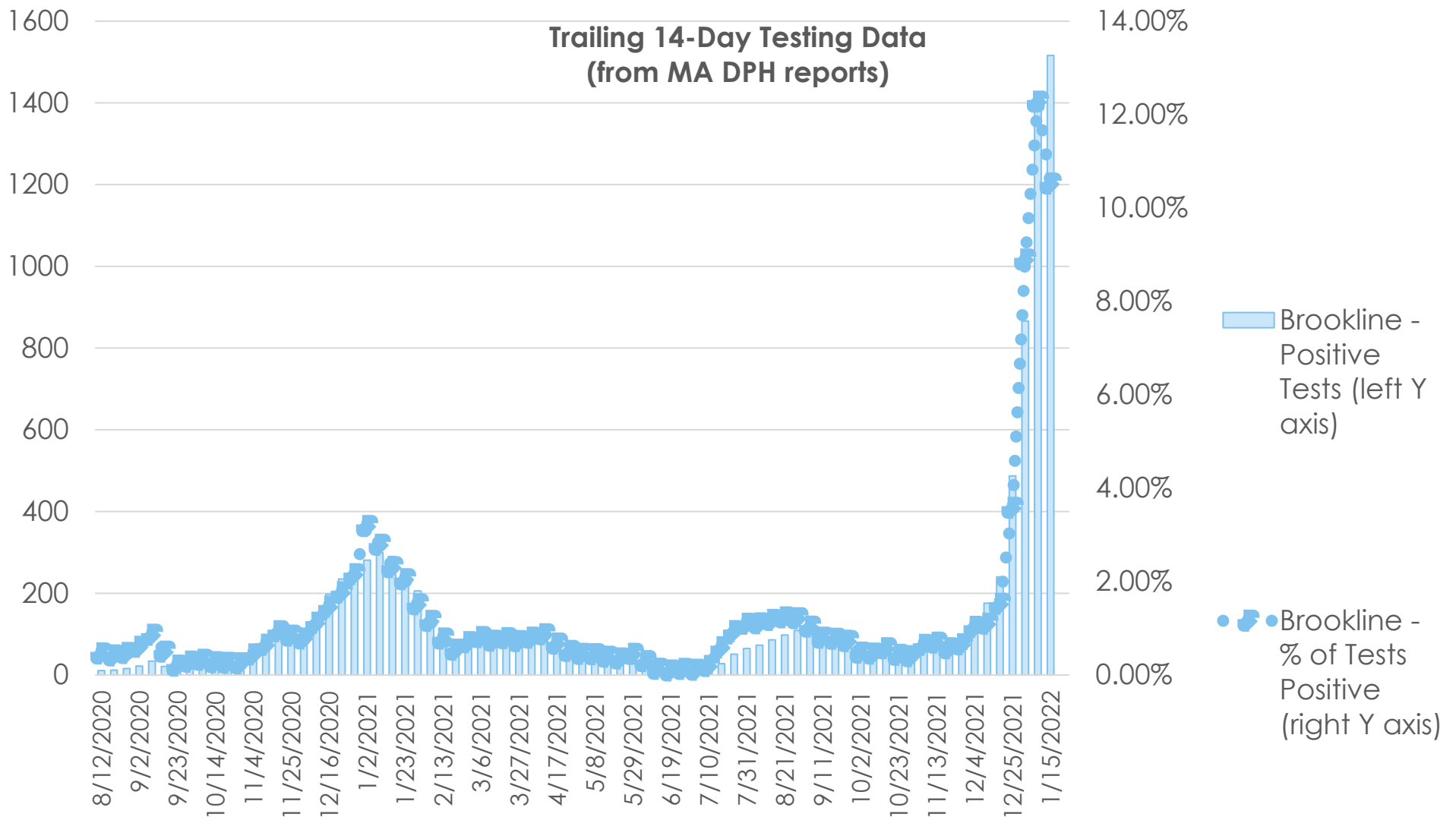


# Trends: Test Positivity (Brookline)



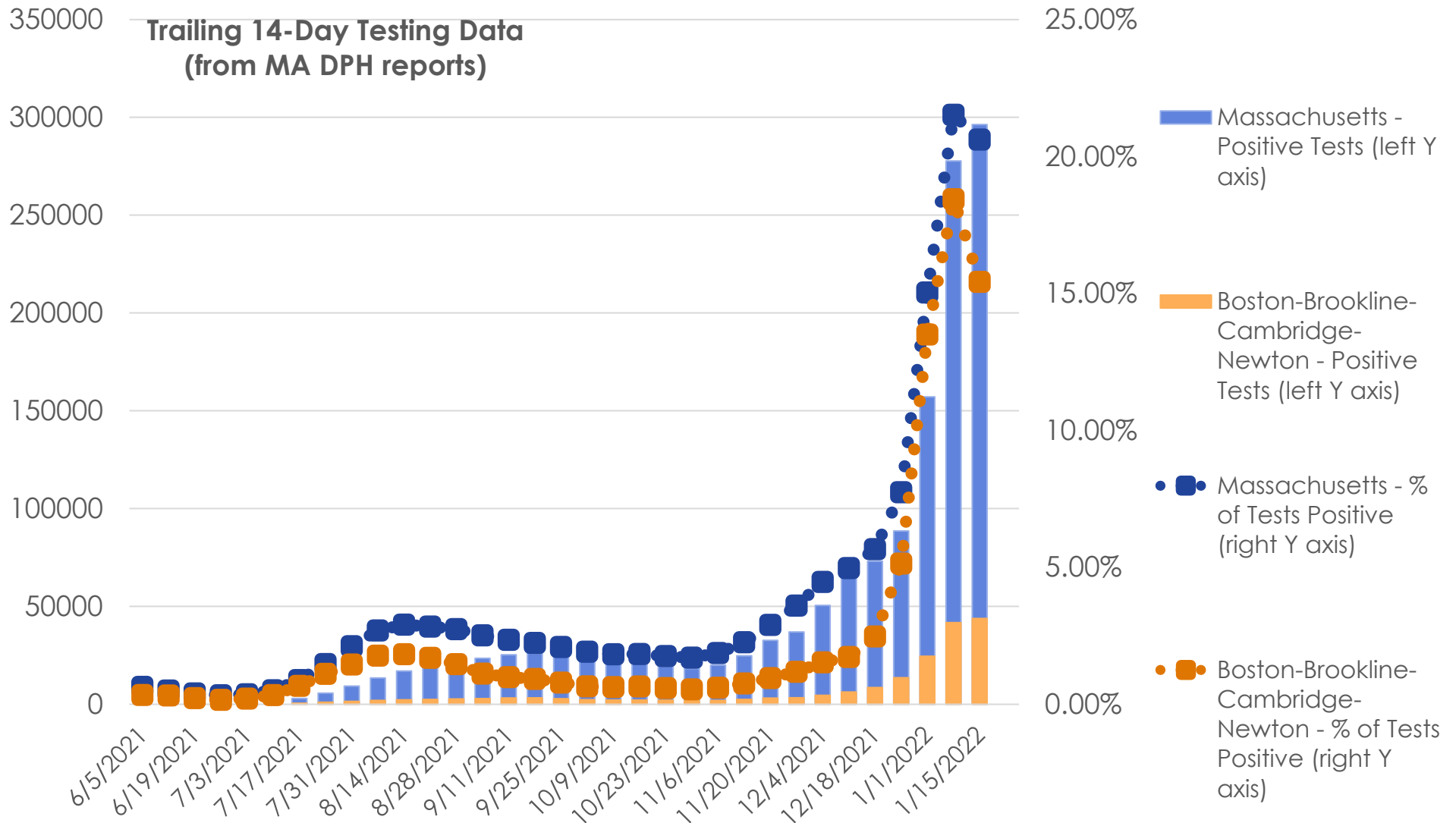
Data source: <https://www.mass.gov/info-details/covid-19-response-reporting>

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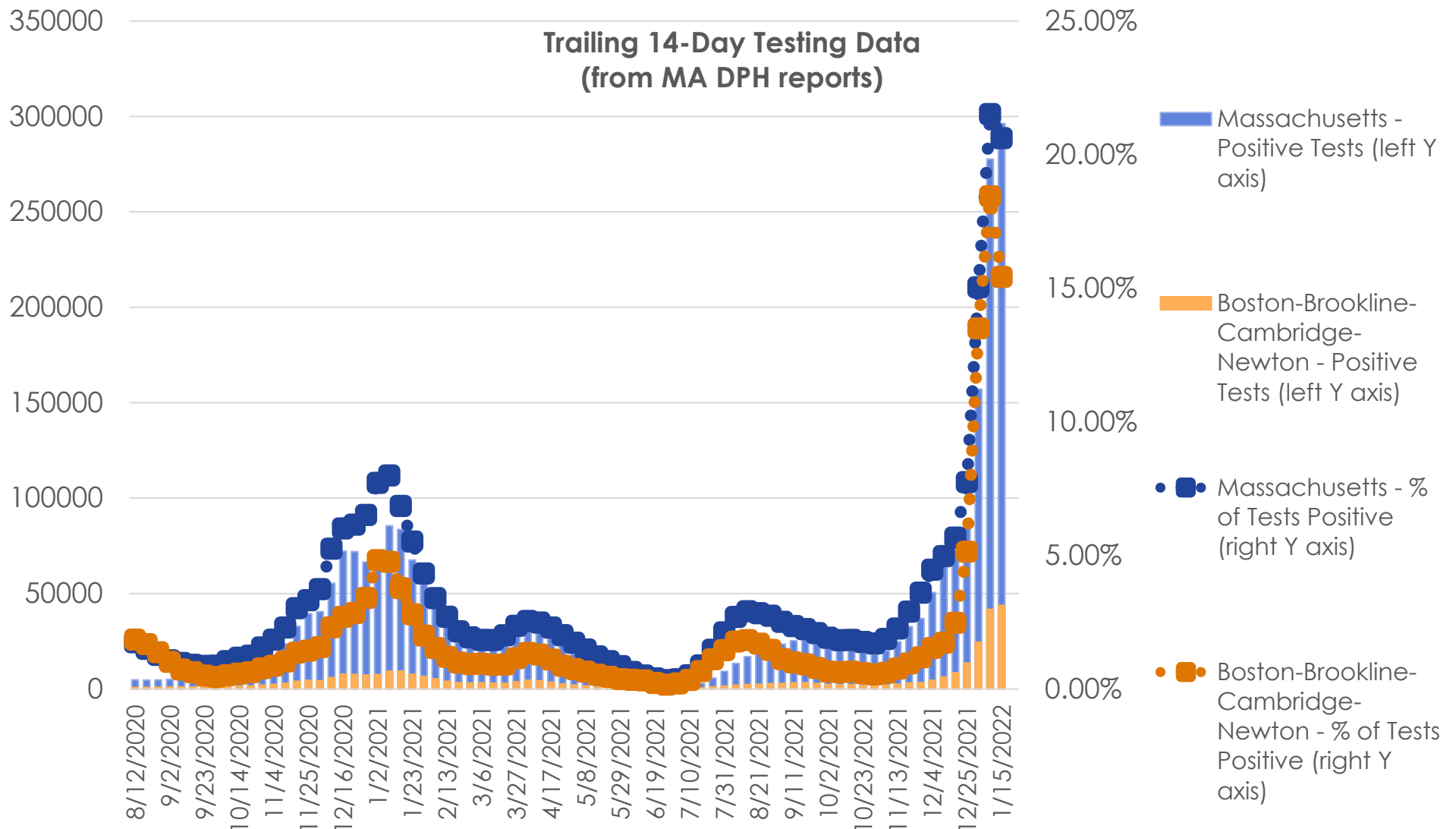
# Trends: Test Positivity (Statewide)



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



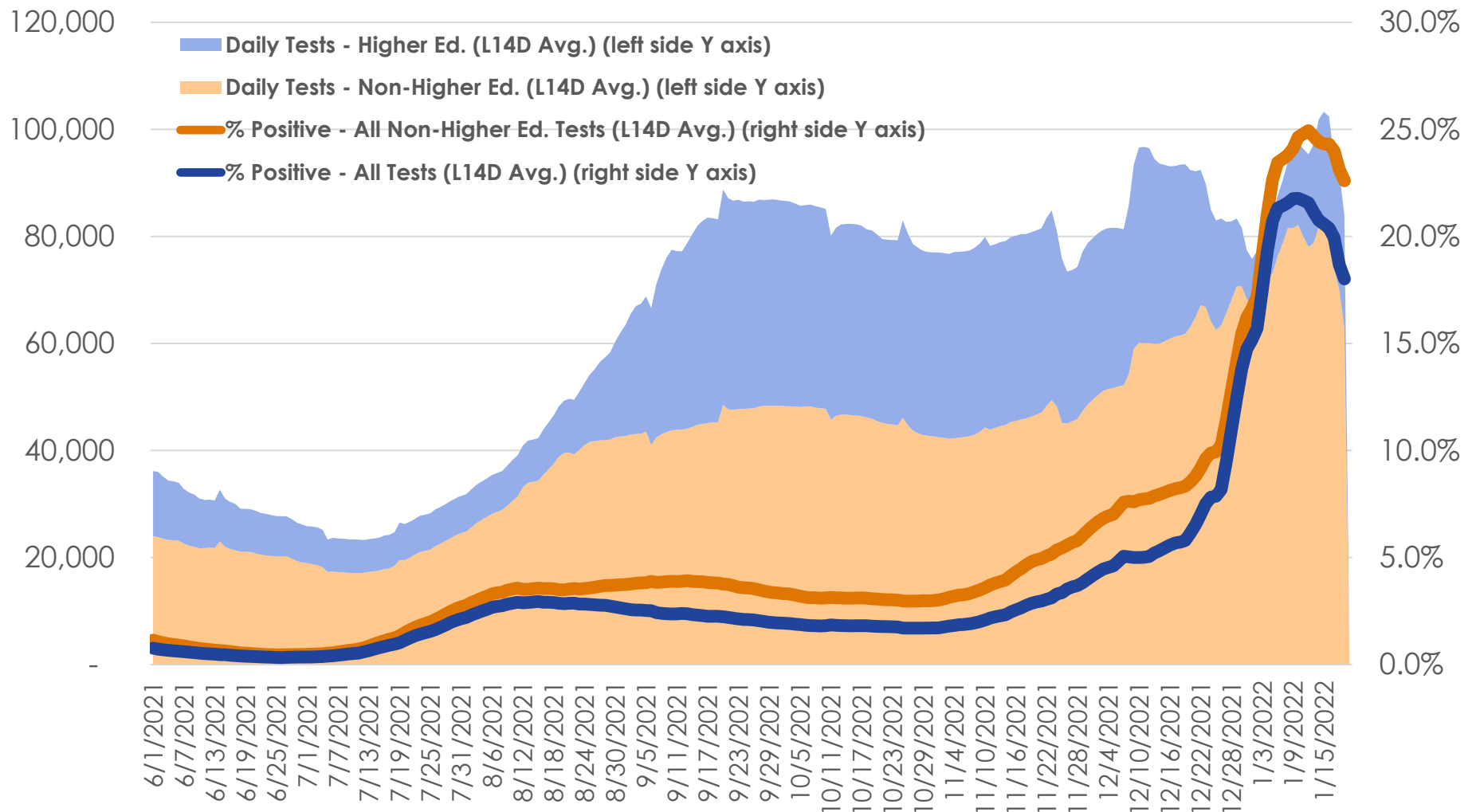
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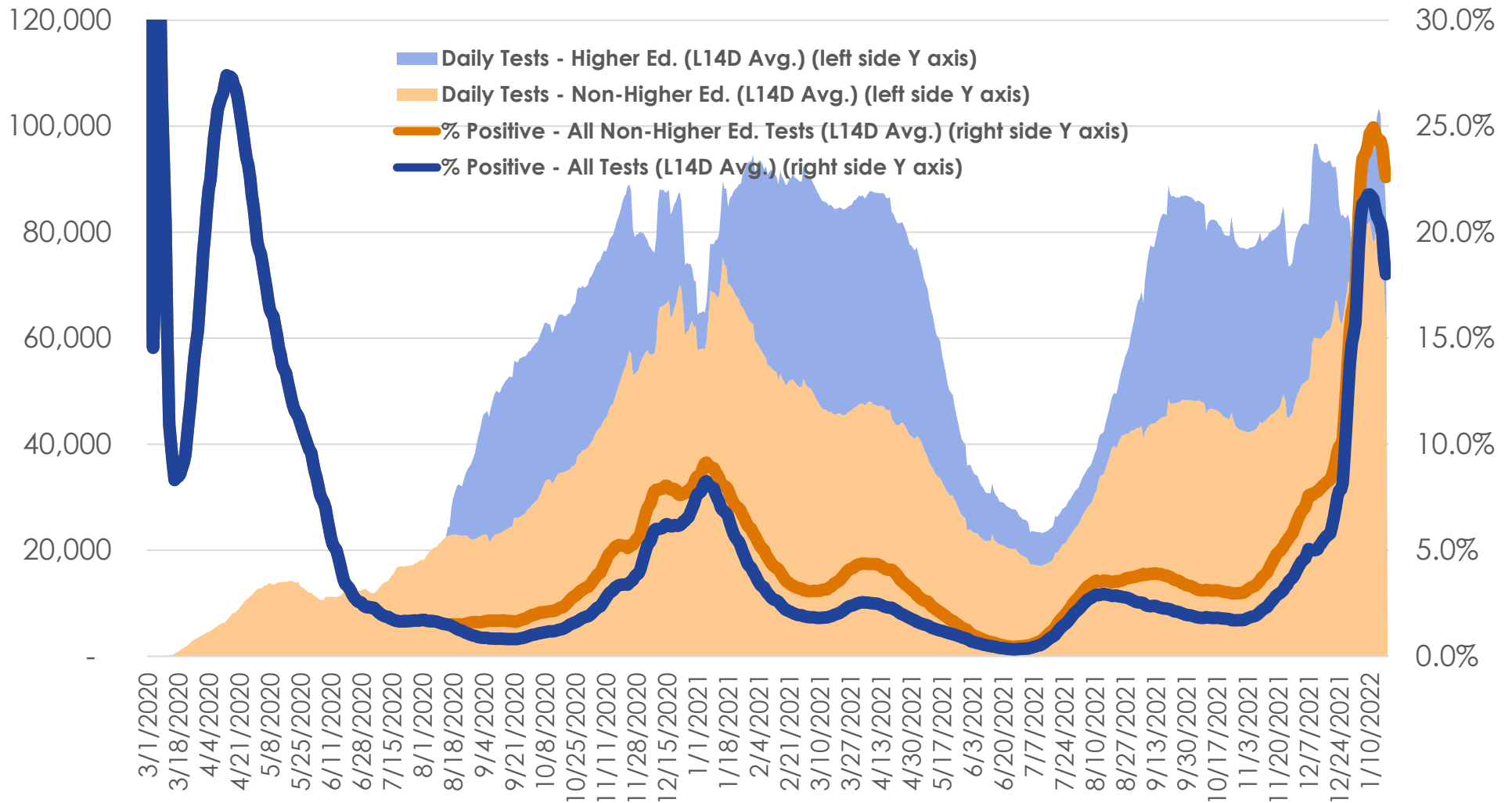
# Trends: Test Positivity and Testing Volume (Statewide)

MA Statewide Test Positivity and Volume

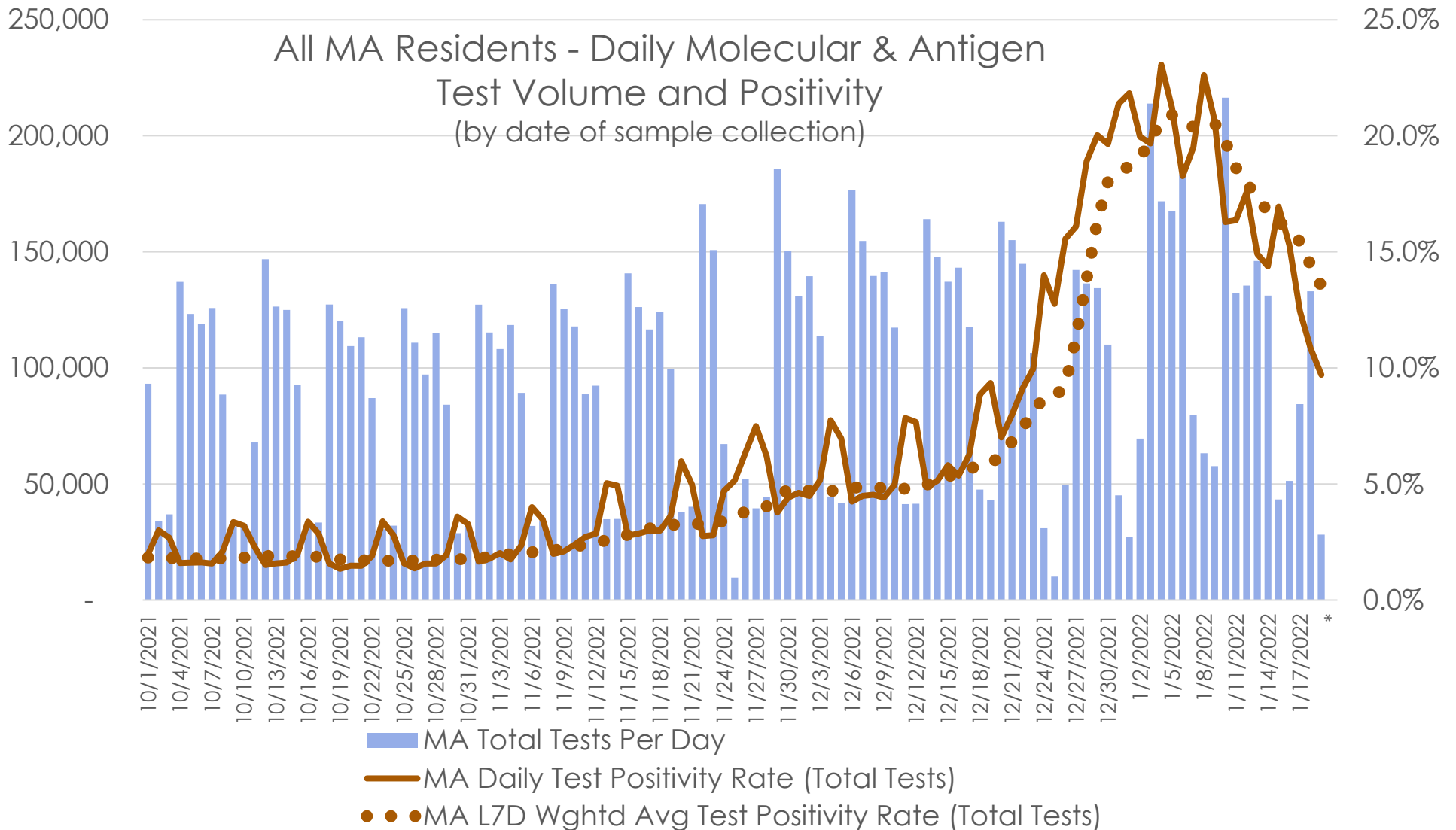


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MA Statewide Test Positivity and Volume



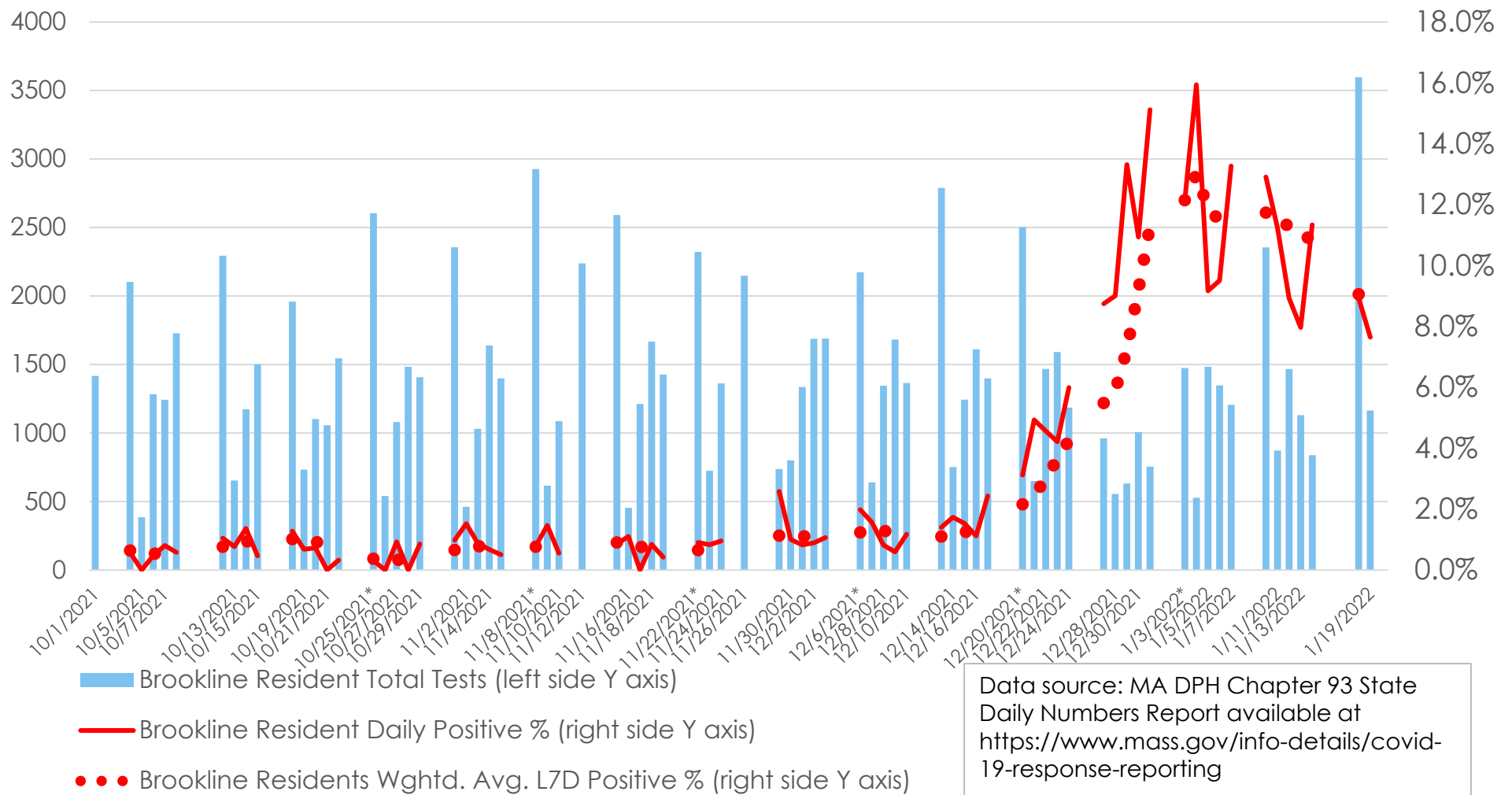
# Trends: Daily Test Volumes and Positivity (Statewide)



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

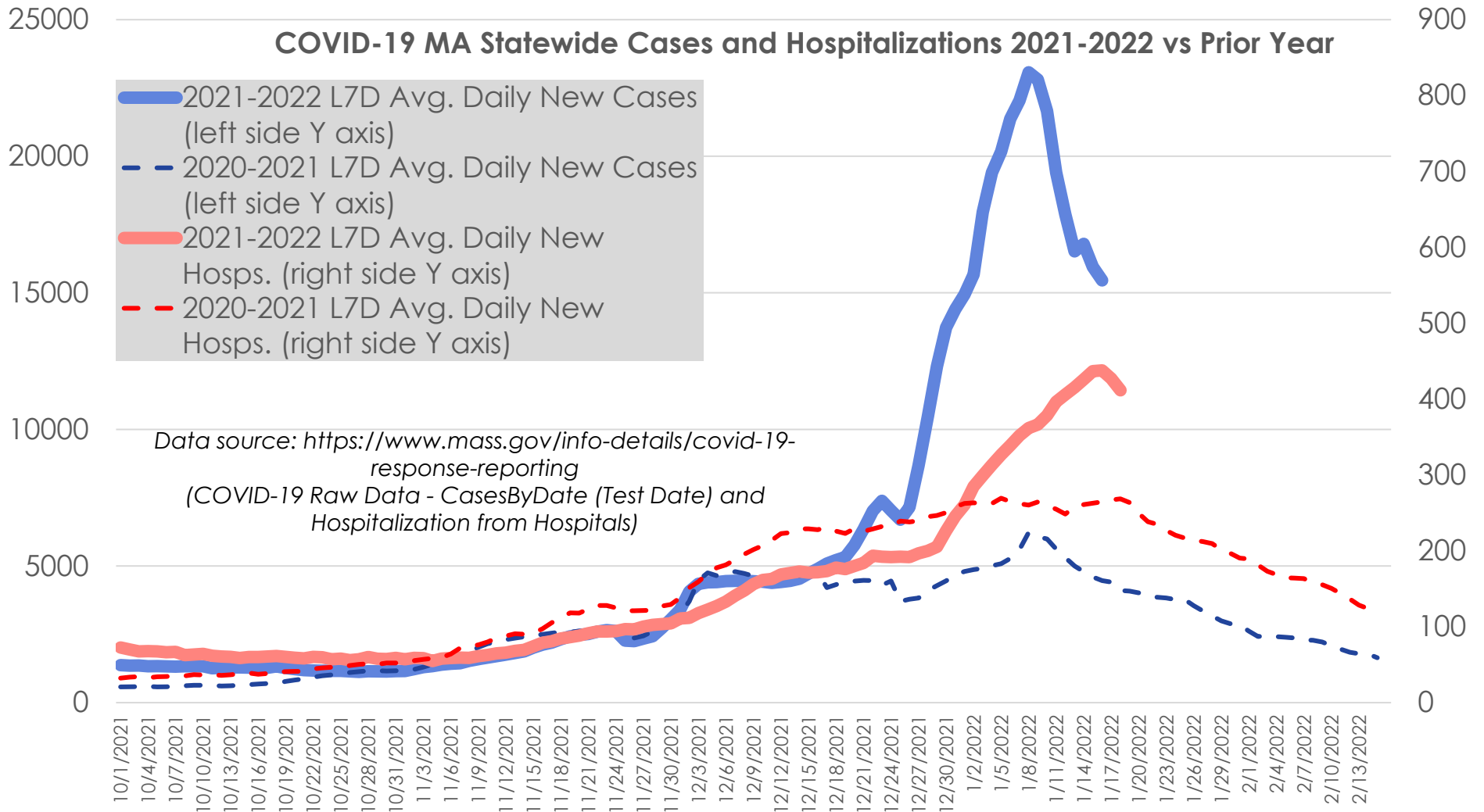
# Trends: Daily Test Volumes and Positivity (Brookline Residents)

Brookline Resident Testing Volumes and Positivity By Date of Test Report to DPH

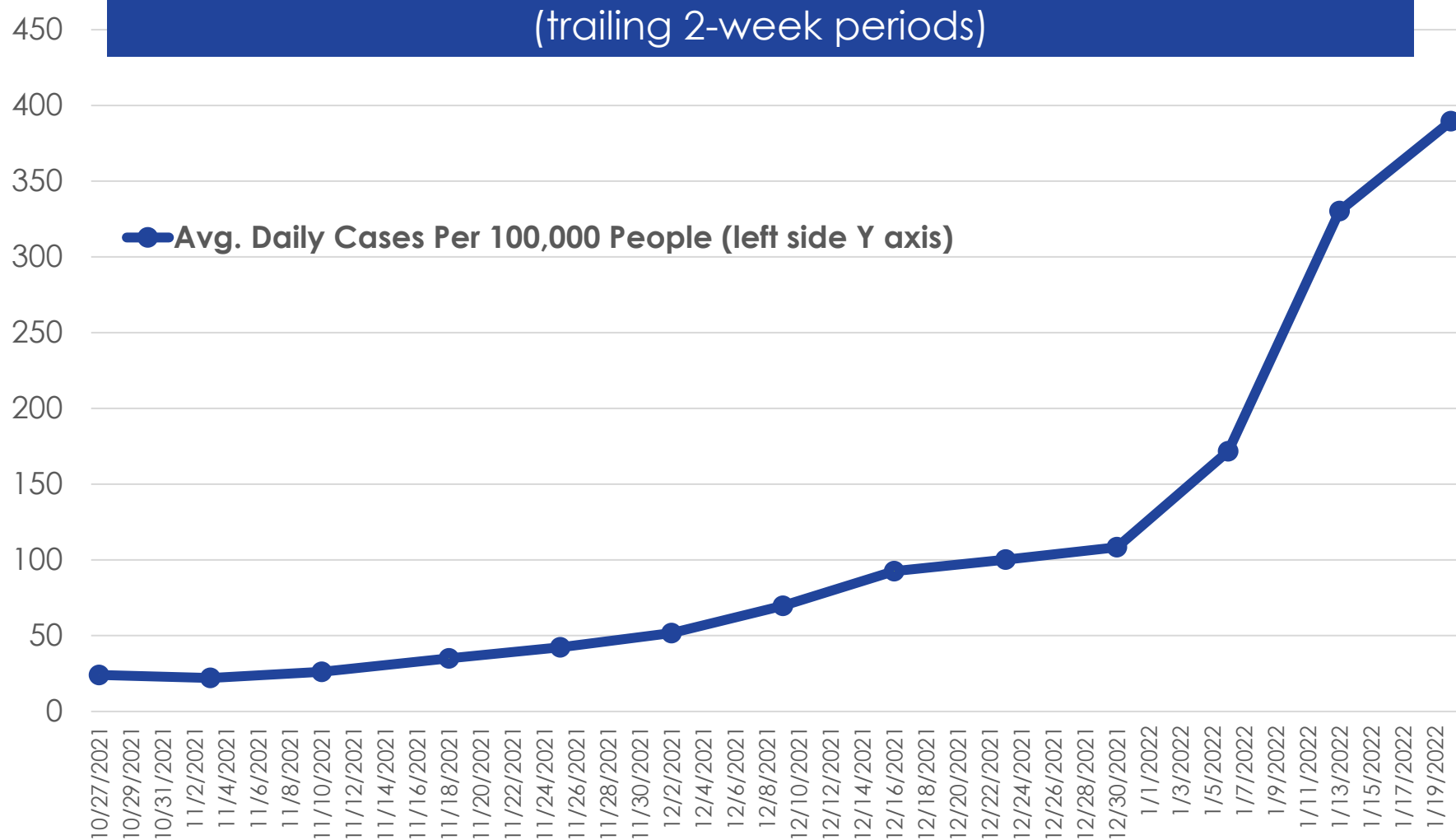


# Trends: Daily New Cases and Hospitalizations (Statewide)

**Important Caveat**  
 Hosp. data likely include individuals hospitalized for **non-COVID** reasons but test COVID+

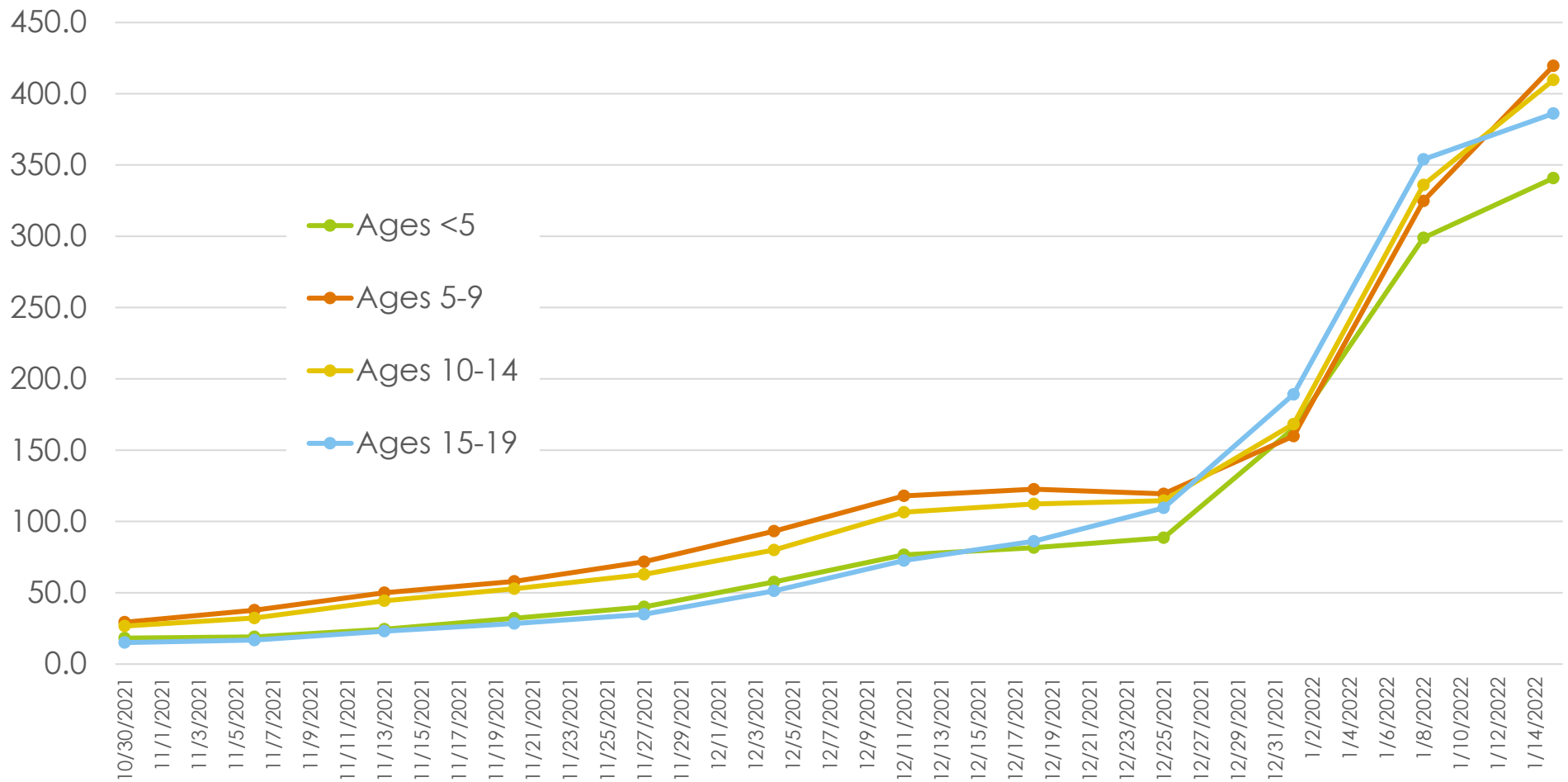


# Trends: 0-19 Year-Old Age Cohort (MA Statewide)



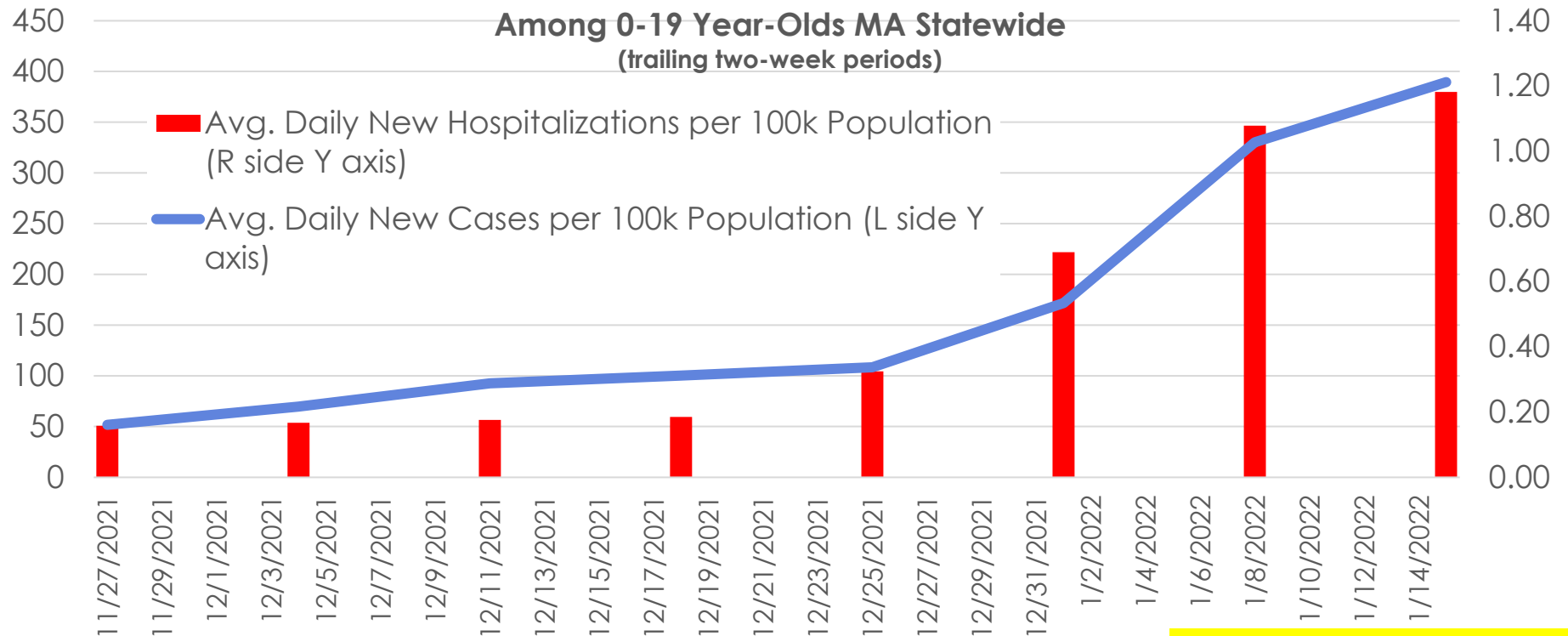
# Trends: 0-19 Year-Old Age Cohort (MA Statewide)

Avg. Daily Cases Per 100k Pop. in Age Range  
(Trailing 2 Weeks)





# Trends: 0-19 Year-Old Age Cohort COVID-Associated Hospitalizations



<b><i>Nationwide</i> estimates from AAP/CHA</b>	<b>Pediatric Case Hosp. Rate</b>	<b>Pediatric Case Fatality Rate</b>
Most Recent	0.8%	0.01%
Last 12 Mos.	0.8% - 0.9%	0.01%

**Important Caveat**  
Hosp. data likely include individuals hospitalized for **non-COVID** reasons but test COVID+

Data source: <https://www.mass.gov/info-details/covid-19-response-reporting>; <https://www.aap.org/en/pages/2019-novel-coronavirus-covid-19-infections/children-and-covid-19-state-level-data-report/>