
**PUBLIC SCHOOLS of
BROOKLINE**

Advisory Panel 4:
Public Health, Safety, & Logistics

Meeting Slides
February 4, 2022

Community Benchmarks - Status

| Benchmark (each measured over prior 14 days) | Status 12/18/21 | Status 1/1/22 | Status 1/15/22 | Status 1/29/22 |
|--|--------------------|------------------|-------------------|-------------------|
| Avg. daily new case count in Brookline = <10 per 100k people | 24.8 | 90.2 | 151.7 | 78.5 |
| Avg. daily new case count in Mass. = <10 per 100k people | 67.5 | 151.7 | 278.9 | 110.5 |
| Avg. test positivity rate in Brookline = <5.0% | 1.53% | 8.90% | 10.52% | 5.08% |
| Avg. test positivity rate in Massachusetts = <5.0% | 5.66% | 15.03% | 20.61% | 10.06% |

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



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

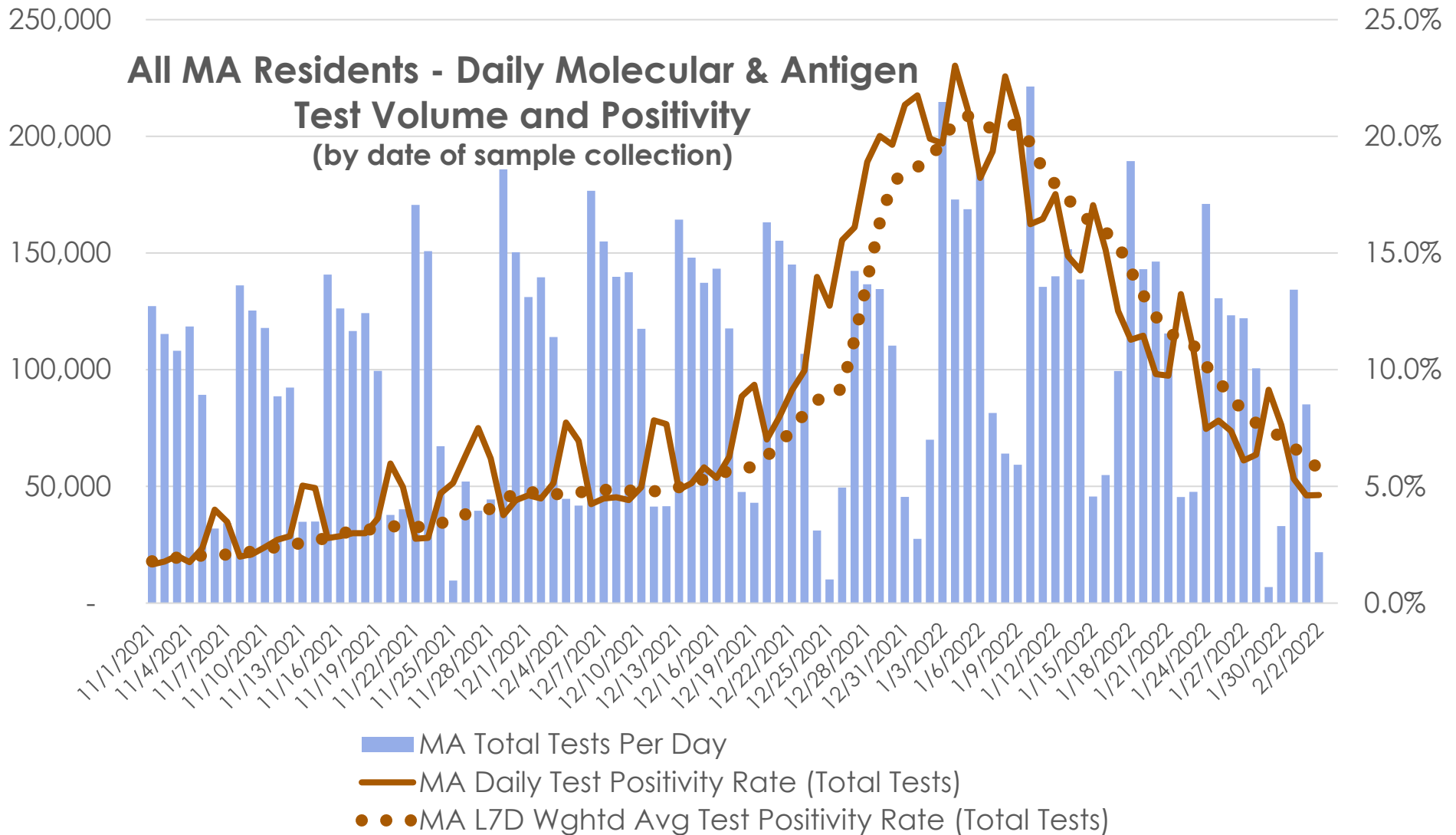
| Group | Population | | |
|--------|--------------------------------------|--|--|
| | Under 10K | 10K-50K | Over 50K |
| Grey | Less than or equal to 10 total cases | Less than or equal to 10 total cases | Less than or equal to 15 total cases |
| Green | Less than or equal to 15 total cases | <10 avg 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's population is ~63,000

Brookline is here as of 1/29/22 (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.

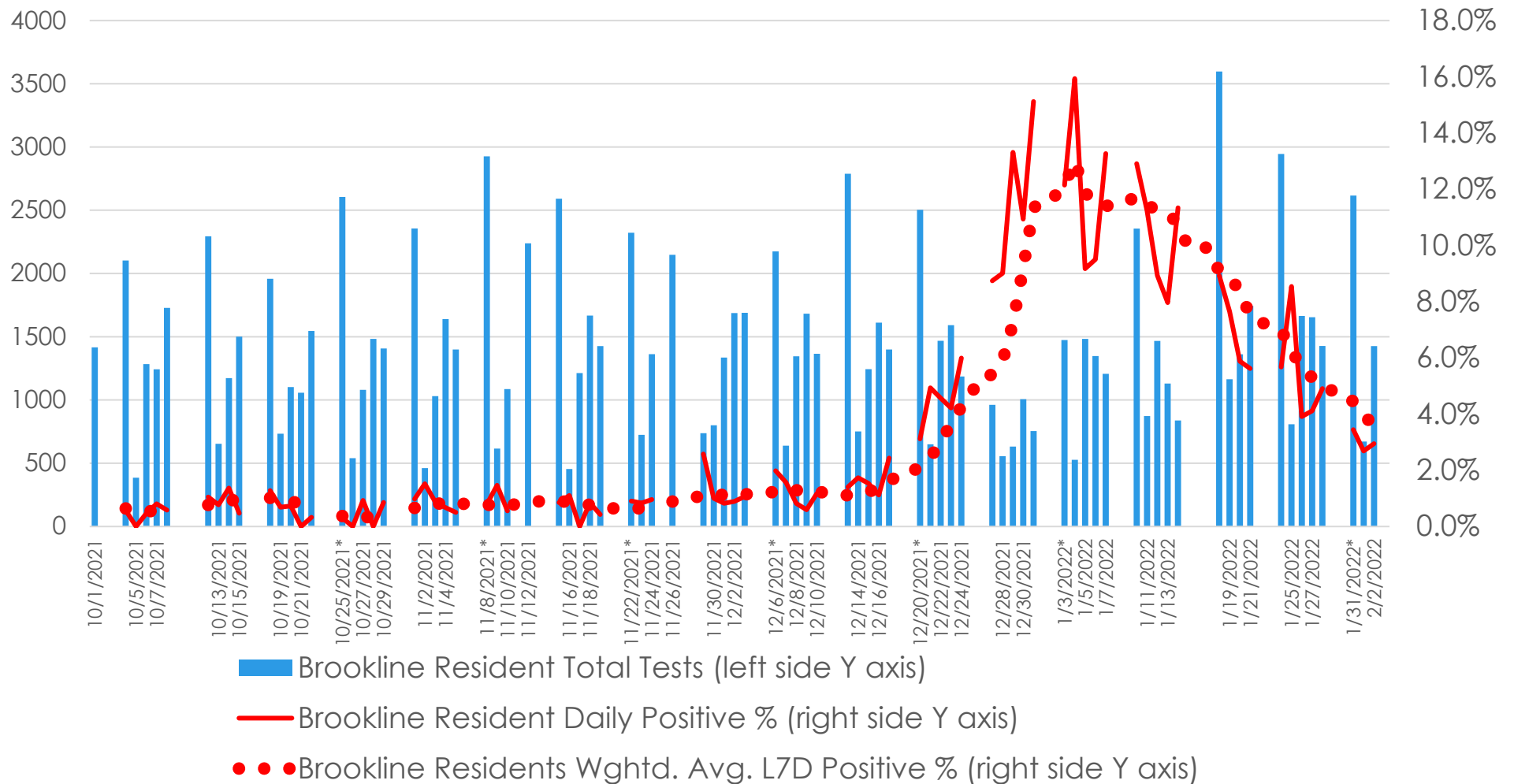
Trends: Daily Test Volumes and Positivity (Statewide)



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

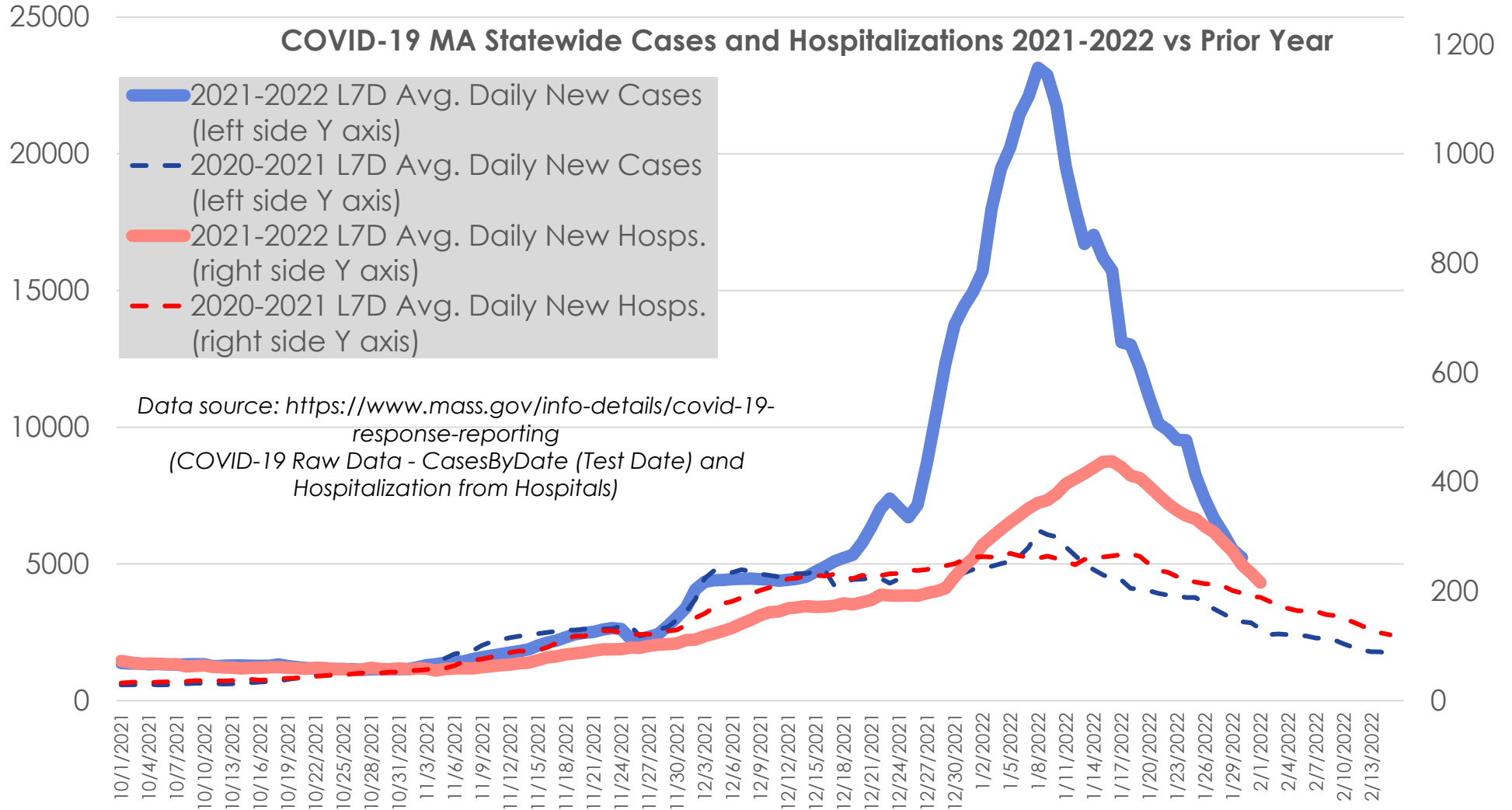
Trends: Daily Test Volumes and Positivity (Brookline Residents)

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

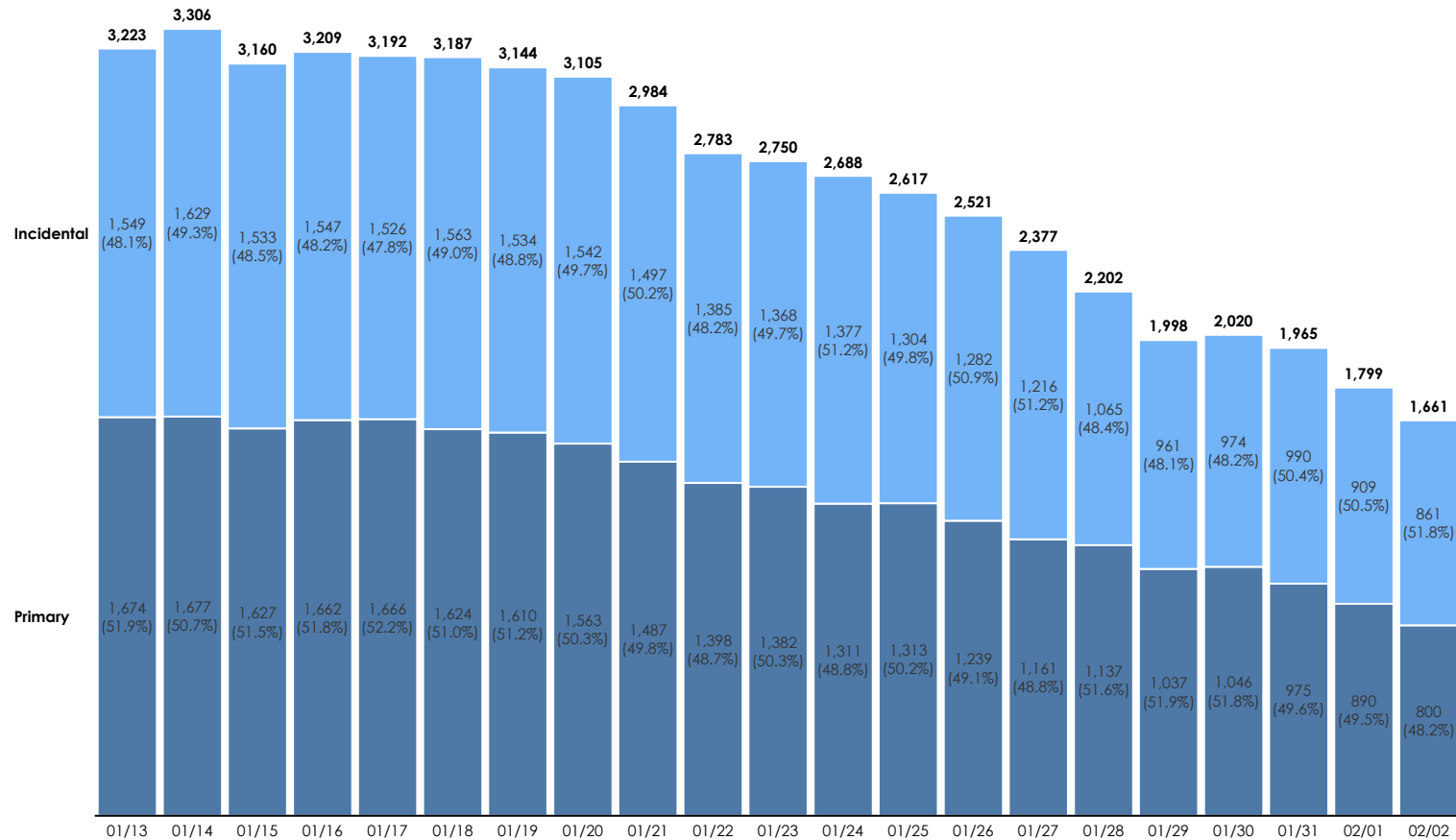


Trends: Daily New Cases and Hospitalizations (Statewide)

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



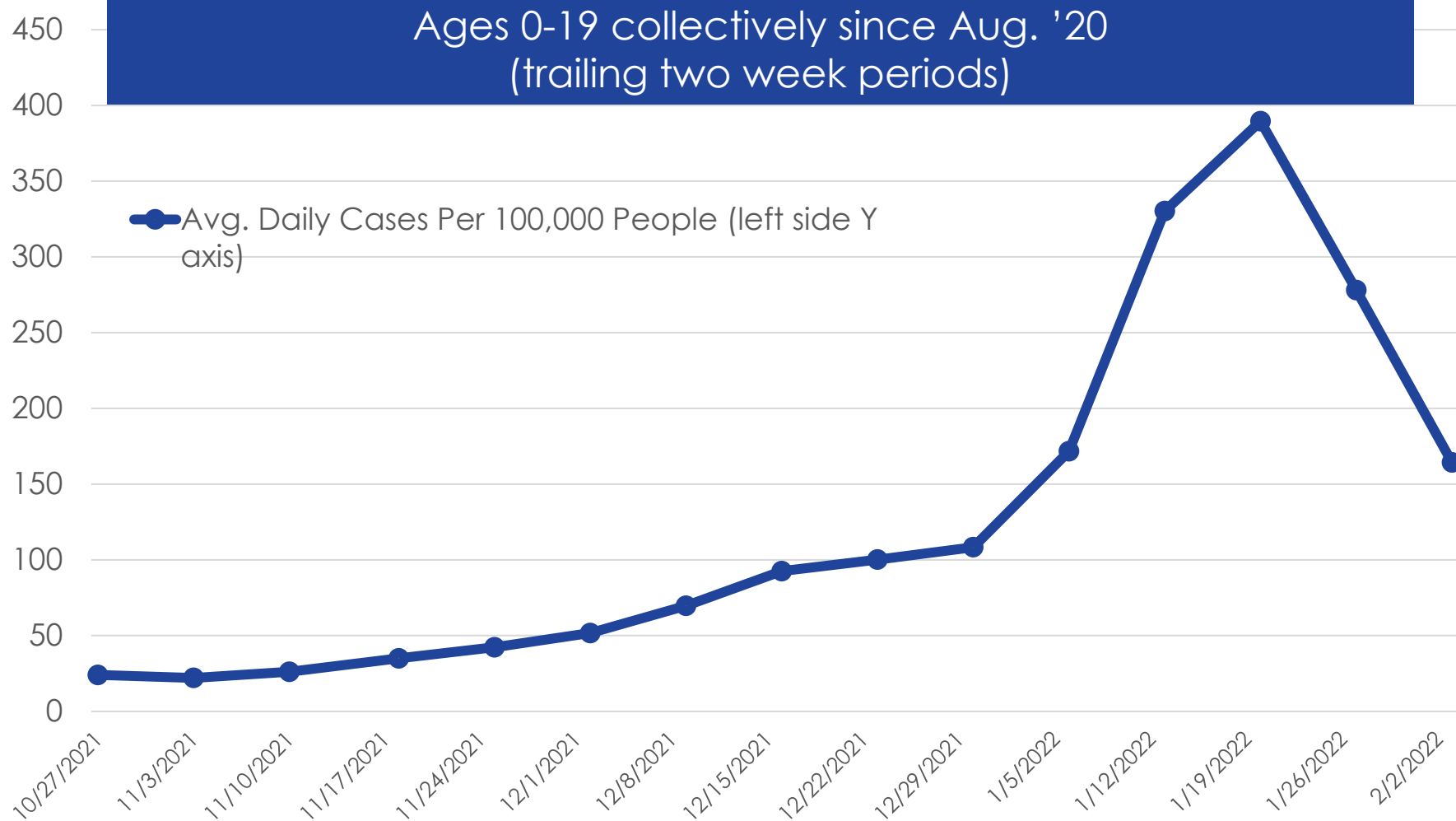
Trends: Hospitalizations (Statewide)



Of the **1,661** hospitalized COVID-19 patients statewide, **800 (48.2%)** patients were reported as being hospitalized due to their COVID-19 (primary COVID-19) and **861 (51.8%)** hospitalized patients were reported as testing positive for COVID-19 while hospitalized for other reasons (incidental COVID-19)¹

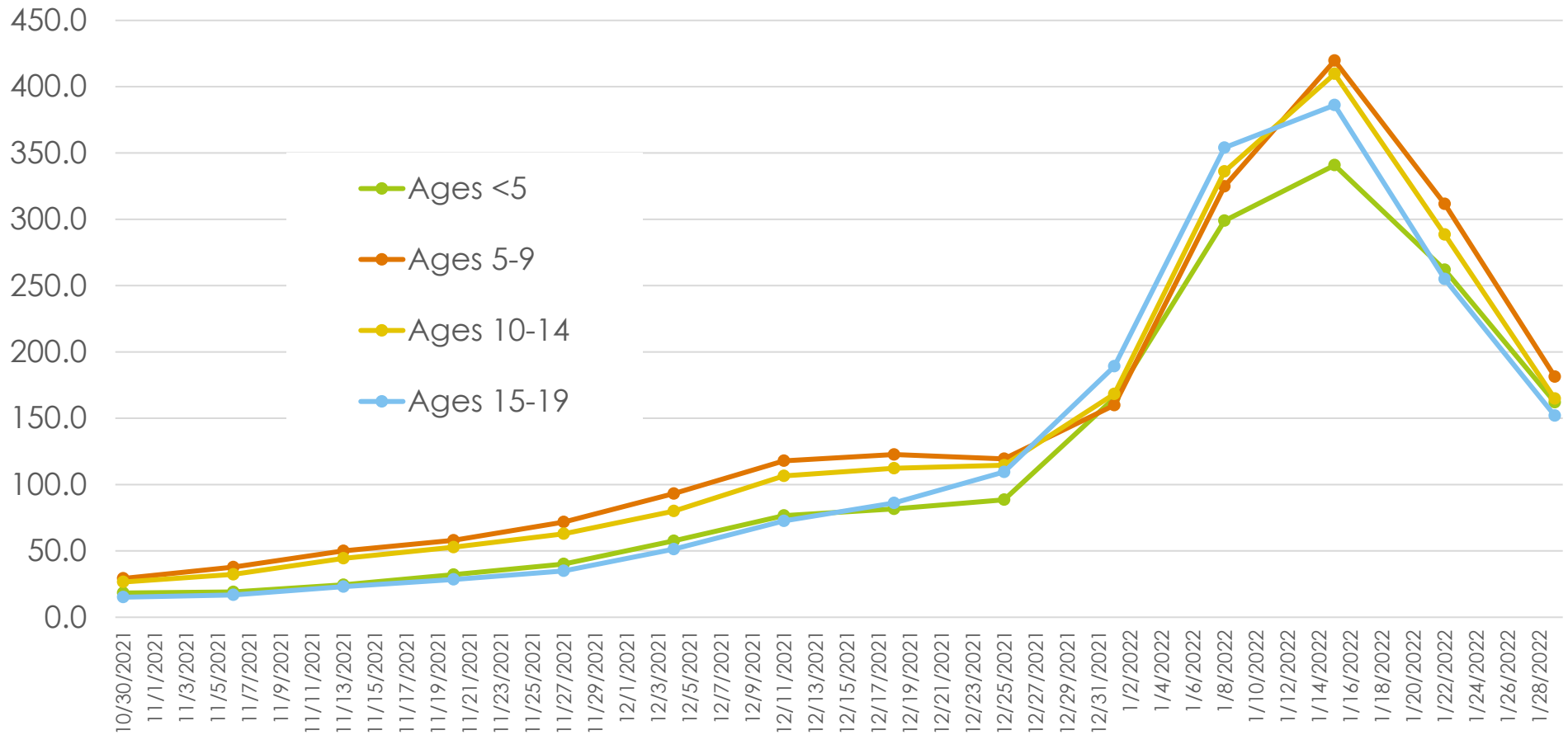
1. Patients are reported as being hospitalized due to their COVID-19 if they received dexamethasone treatment. Administration of dexamethasone, a type of steroid medication, is considered an indicator of moderate to severe COVID-19 and provides an estimate of primary COVID-19.

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

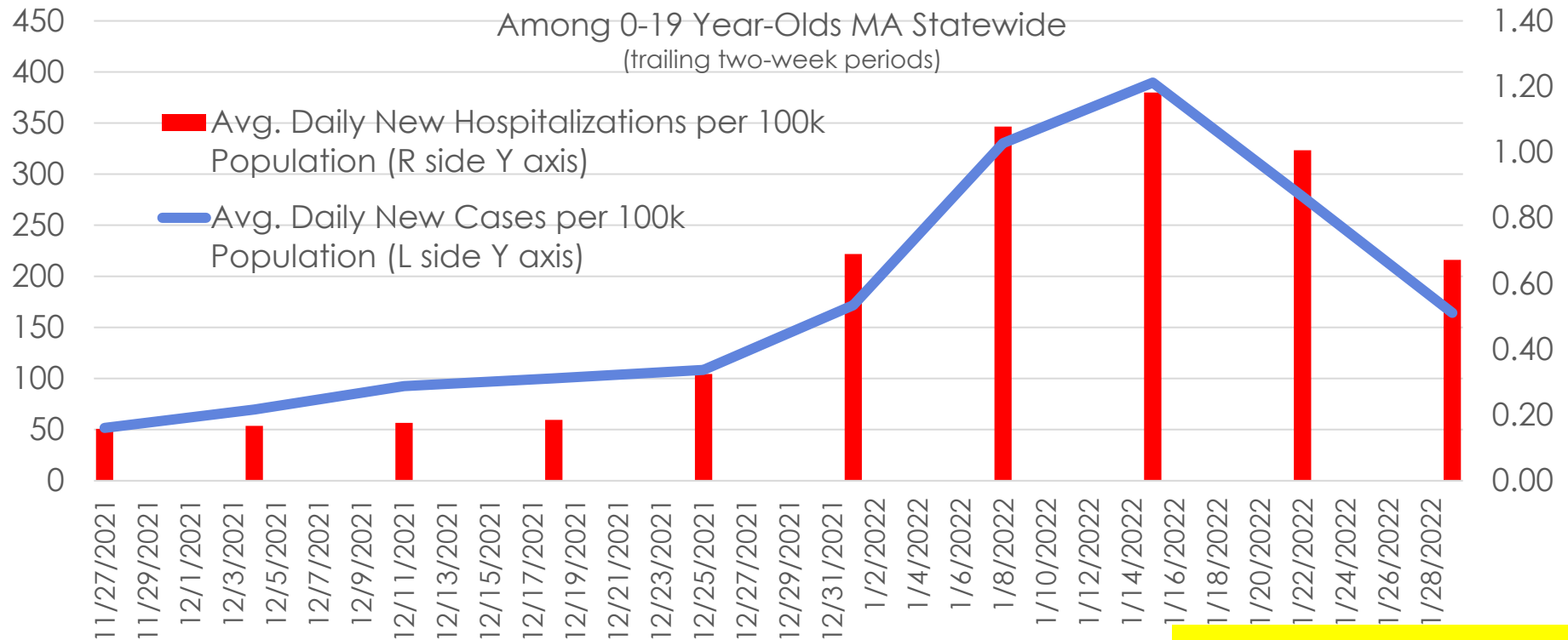


Trends: 0-19 Year-Old Age Cohort (MA Statewide)

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



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



| <i>Nationwide</i> estimates from AAP/CHA | Pediatric Case Hosp. Rate | Pediatric Case Fatality Rate |
|---|----------------------------------|-------------------------------------|
| Most Recent | 0.7% | 0.01% |
| Last 12 Mos. | 0.7% - 0.9% | 0.01% |

Important Caveat
Hosp. data includes 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/>