

# Covid-19 Health Metrics

March 25, 2021

# MA State Data



# Massachusetts Department of Public Health | COVID-19 Dashboard

## Trends: 7-day Averages Over Time

Released on: March 25, 2021  
Data as of: March 24, 2021  
Caution: recent data may be incomplete

### Navigation

Today's Overview

Overview Trends

COVID-19 Cases

COVID-19 Testing

Hospitalization

COVID-19 Deaths

Higher Ed & LTCF

Patient Breakdown

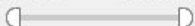
City and Town

Resources

Data Archive

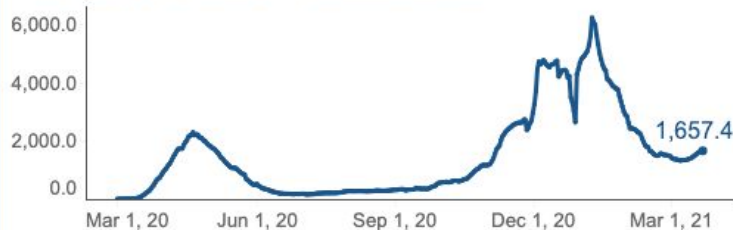
### Date Filter

3/1/2020 3/22/2021



### Cases

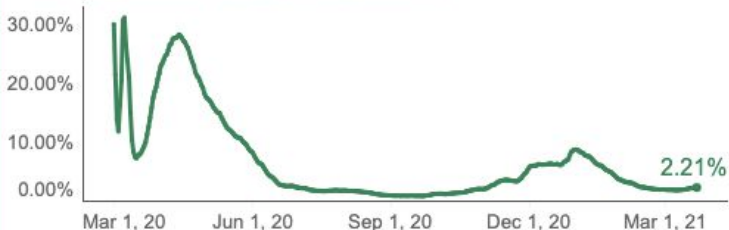
7-day average of COVID-19 confirmed cases



The lowest observed value was 156.7 on 7/4/2020.

### Testing

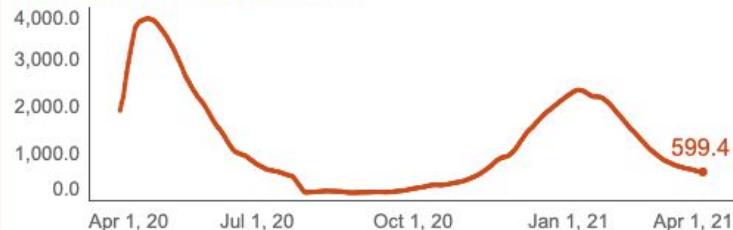
7-day weighted average percent positivity



The lowest observed value was 0.8% on 9/21/2020.

### Hospitalizations

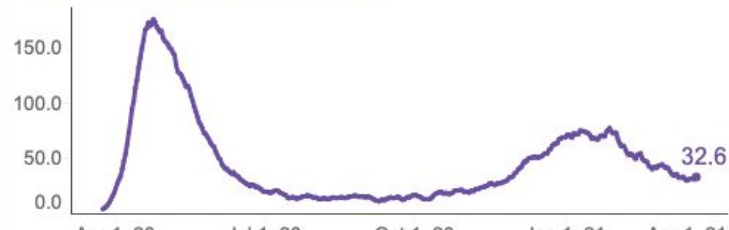
7-day average of hospitalizations



The lowest observed value was 155.3 on 8/26/2020.

### Deaths

7-day average of confirmed deaths



The lowest observed value was 3.7 on 9/9/2020.

For details on the definitions of each indicator please see the corresponding tab for that indicator. All data included in this dashboard are preliminary and subject to change. Data Sources: COVID-19 Data provided by the Bureau of Infectious Disease and Laboratory Sciences and the Registry of Vital Records and Statistics; Created by the Massachusetts Department of Public Health, Bureau of Infectious Disease and Laboratory Sciences, Office of Integrated Surveillance and Informatics Services.



# Massachusetts Department of Public Health | COVID-19 Dashboard

## Today at a Glance

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### Cases

#### Confirmed Cases

Today there were **2,274** new, confirmed cases reported bringing the total to **586,298** total confirmed cases.

#### Probable Cases

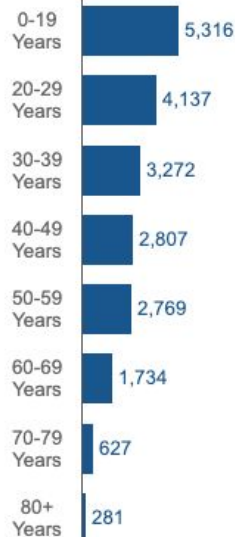
Today, there were **136** new, probable cases reported bringing the total to **35,928** total probable cases.

#### Estimated Active Cases

There are an estimated **28,078** currently active COVID-19 cases.

#### Cases by age during the last two weeks

\*Data updated weekly



### Testing

#### Tests Reported

There were **111,753** new COVID-19 molecular tests reported, bringing the cumulative total to **18,312,783** tests.

#### Turn Around Time

The current turn around time for a molecular test is **1.27** days.

#### Percent Positivity

The 7-day average of percent positivity is **2.22%**.

### Hospitalizations

#### Hospitalizations

There are **631** patients hospitalized for COVID-19.

#### ICU & Intubated Patients

There are **137** patients in Intensive Care Units (ICU) and **87** patients are intubated.

#### Average Age of Patients

The average age of patients who were hospitalized for COVID-19 was **63** years old.

### Deaths

#### Confirmed Deaths

There were **39** new, confirmed deaths reported. There have been **16,671** confirmed deaths in total.

#### Probable Deaths

There were **1** new, probable deaths reported. There have been **339** probable deaths in total.

For details on the definitions of each indicator hover over the box or graph. All data included in this dashboard are preliminary and subject to change. Data Sources: COVID-19 Data provided by the Bureau of Infectious Disease and Laboratory Sciences and the Registry of Vital Records and Statistics; COVID-19 Hospitalization Data provided by the MDPH survey of hospitals (hospital survey data are self-reported); Created by the Massachusetts Department of Public Health, Bureau of Infectious Disease and Laboratory Sciences, Office of Integrated Surveillance and Informatics Services.

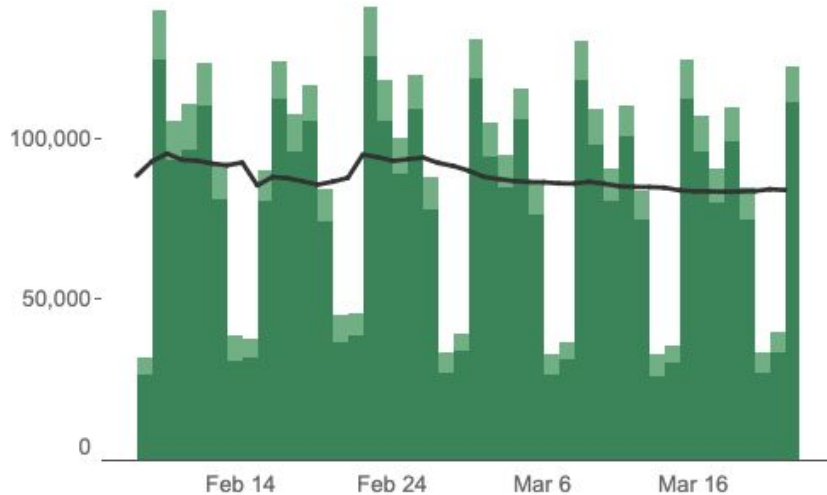
# Covid-19 Testing Levels - past 6 weeks

## Molecular Tests

Select to switch testing visualizations:

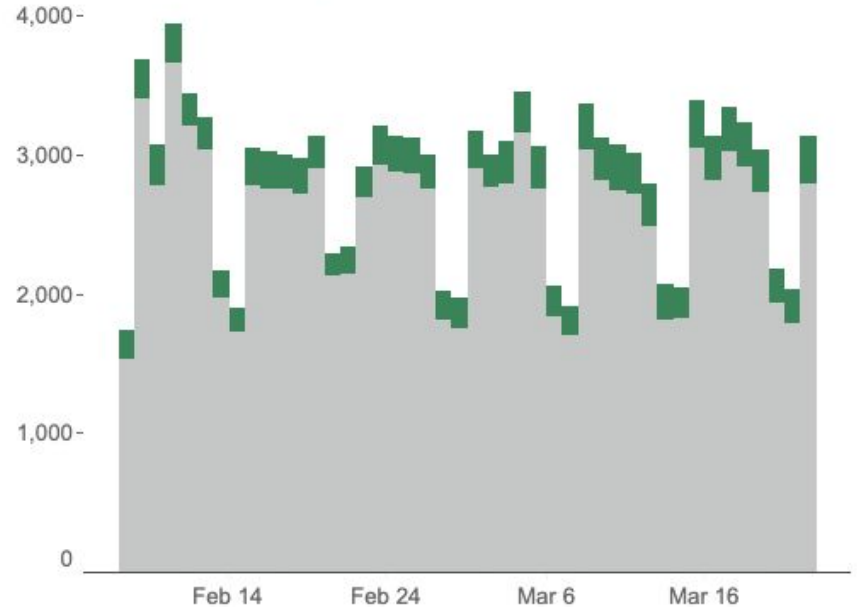
Percent Positivity

Repeat molecular tests, new molecular tests, and the 7-day average total



## Antigens Test

Number of antigen tests, **positive** and **negative**

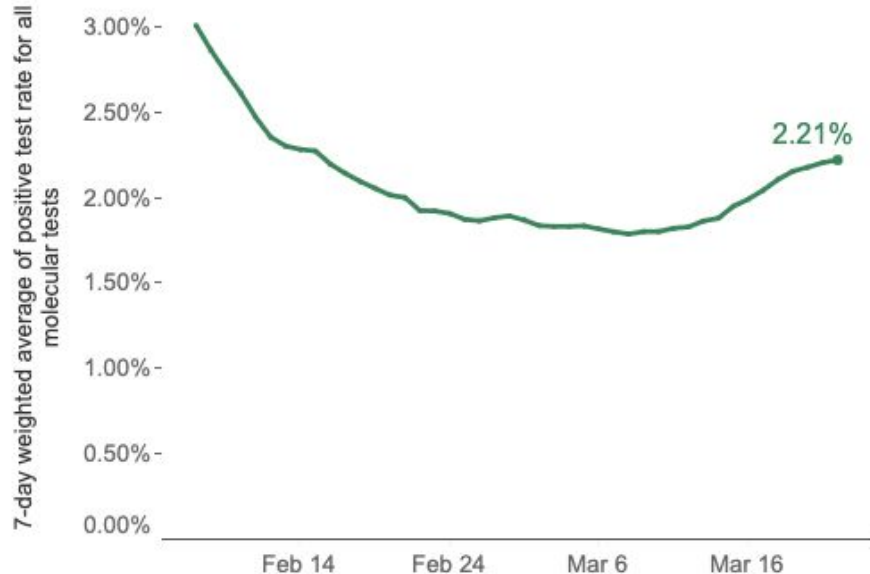


# Test Positivity - past 6 weeks

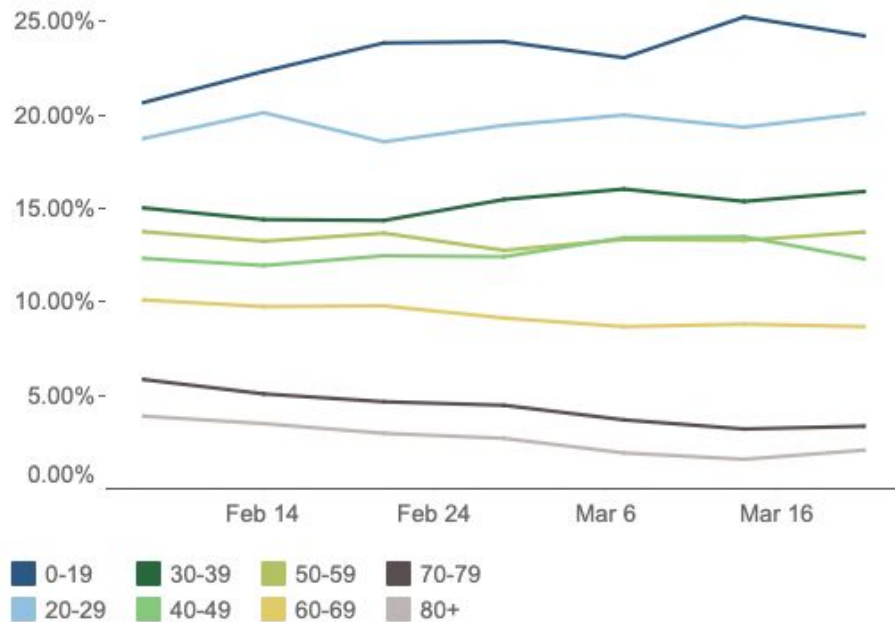
Select to switch testing visualizations:

Molecular & Antigen Testing

Percent positivity among Massachusetts residents



Proportion of positive tests over time by age group



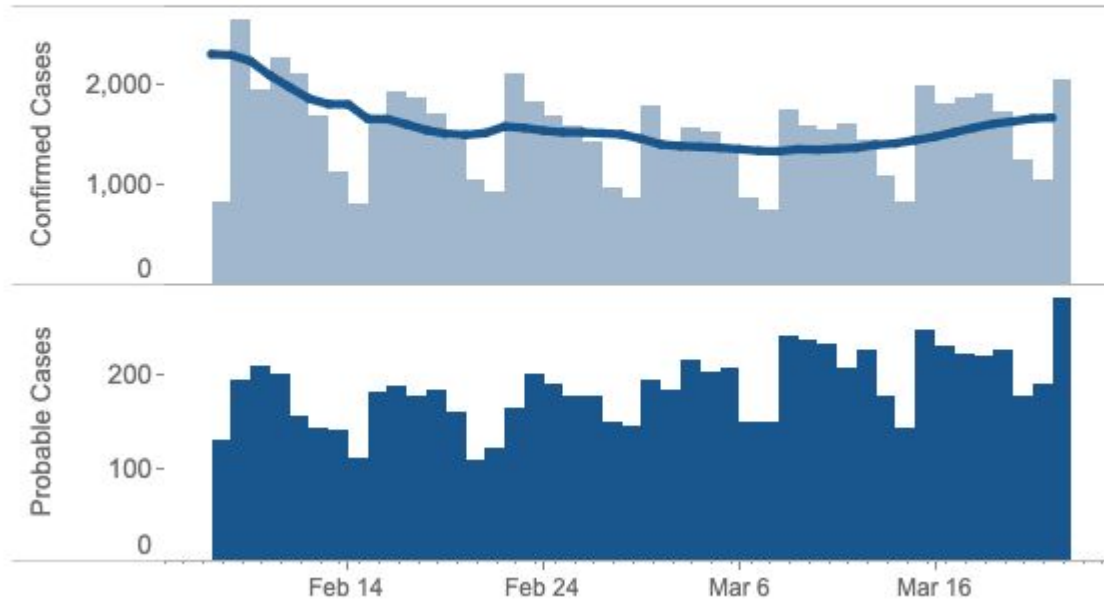
# Covid-19 Cases - last 6 weeks

## COVID-19 Confirmed and Probable Cases

Filter Cases by Date:

2/7/2021

3/22/2021

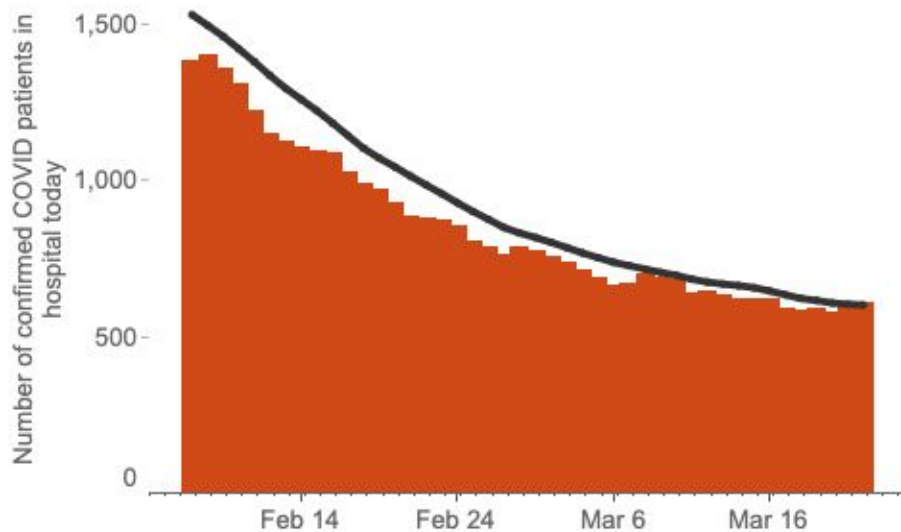


## Incidence Rate

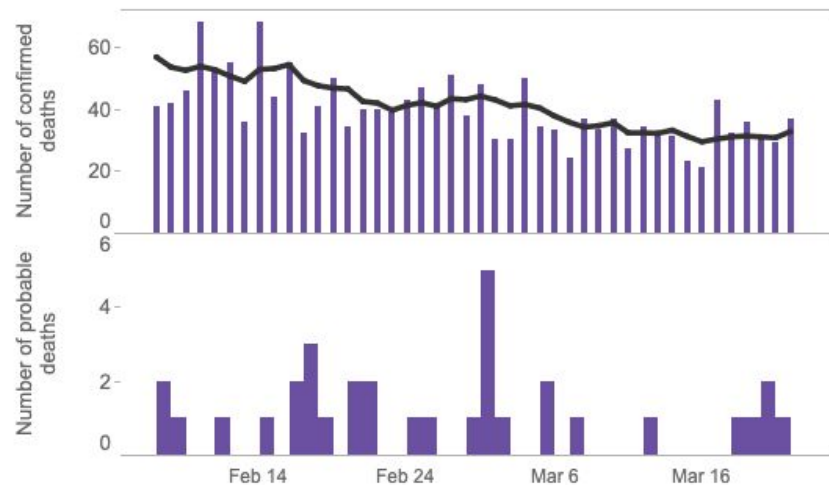
The 14-day, statewide incidence rate is **21.5** per 100,000 Massachusetts residents.

# Hospitalizations and Deaths - last 6 weeks

Number and 7-day average of hospitalizations



Number of COVID-19 confirmed deaths, probable COVID-19 deaths, and 7-day average of confirmed deaths

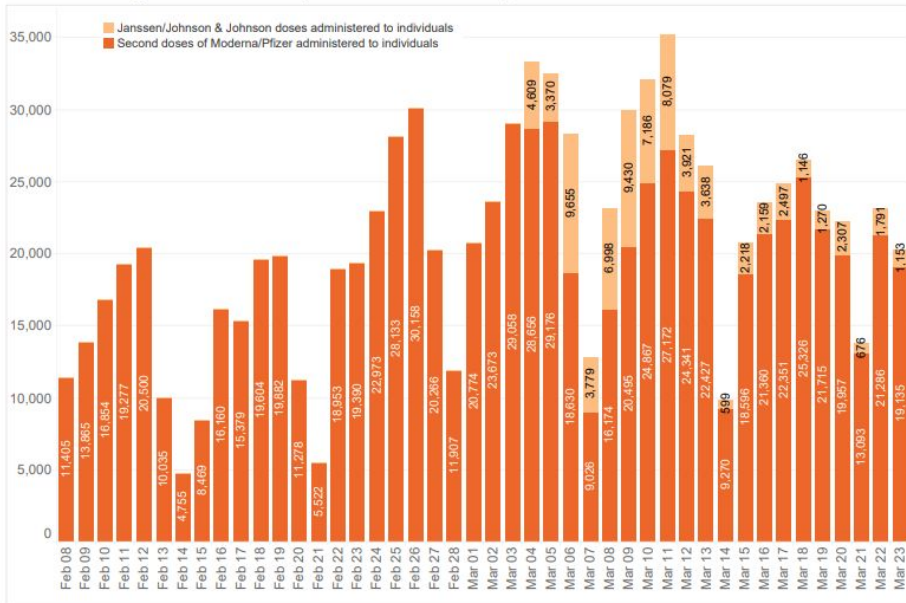




# Total Individuals Fully Vaccinated

Data as of March 23, 2021

Individuals fully vaccinated and reported in the last 45 days



## Vaccine summary

**153,703**

Individuals becoming fully vaccinated and reported in the last 7 days

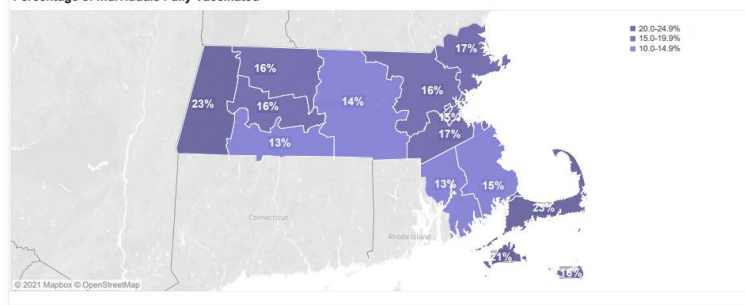
**1,136,733**

Total individuals fully vaccinated and reported

## Cumulative Percentage of Individuals who are Fully Vaccinated by County of Resident Address

Data as of March 23, 2021

### Percentage of Individuals Fully Vaccinated



NOTE: Data from MHS (see "definitions"). Data reflect individuals fully vaccinated (see "definitions"), including with Janssen/Johnson & Johnson beginning on 3/5/21; this is measured as the 1st dose of Moderna or Pfizer administered and reported plus the total number of Janssen/Johnson & Johnson doses administered and reported. Some individuals may receive a first or second dose of Moderna or Pfizer from a non-reporting provider and would not be included as fully vaccinated. Dates reflect the date doses were administered.

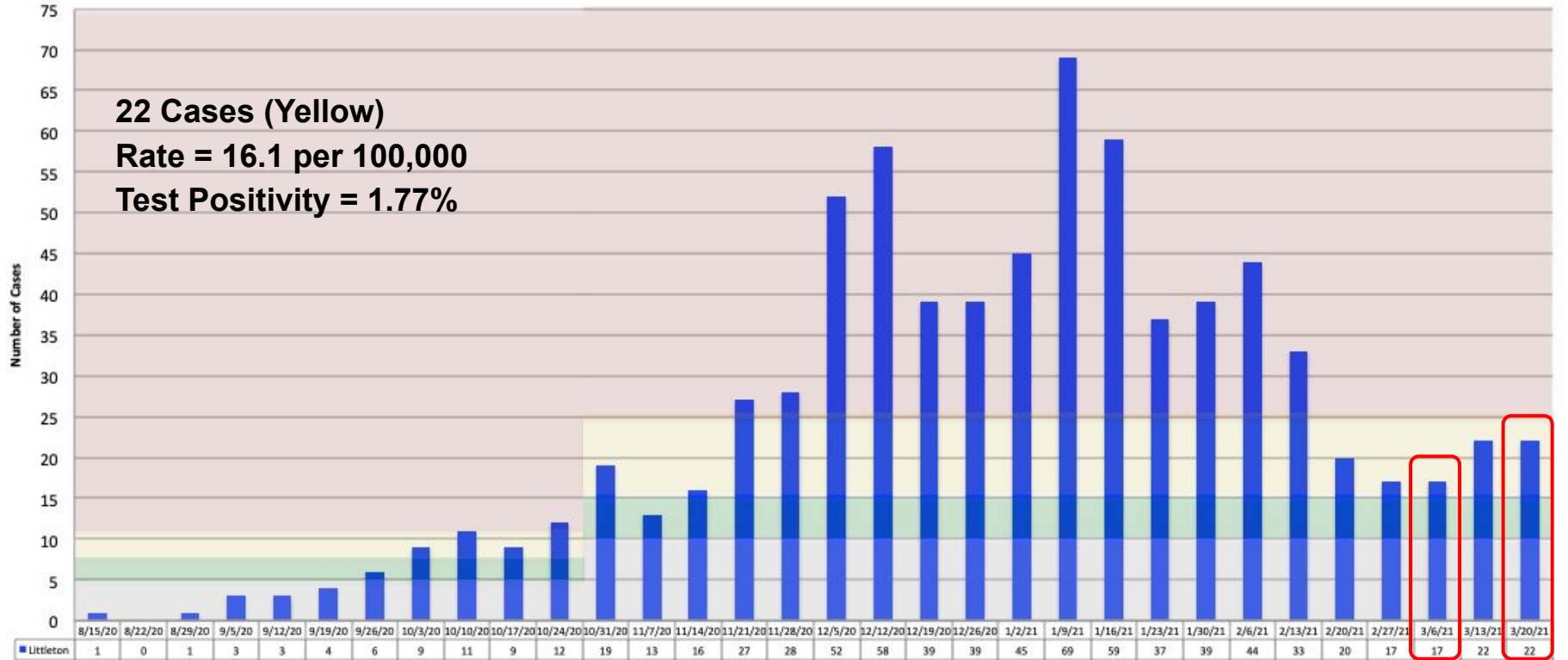
# Littleton Data

## Littleton: Number of Cases in 14-Day Period

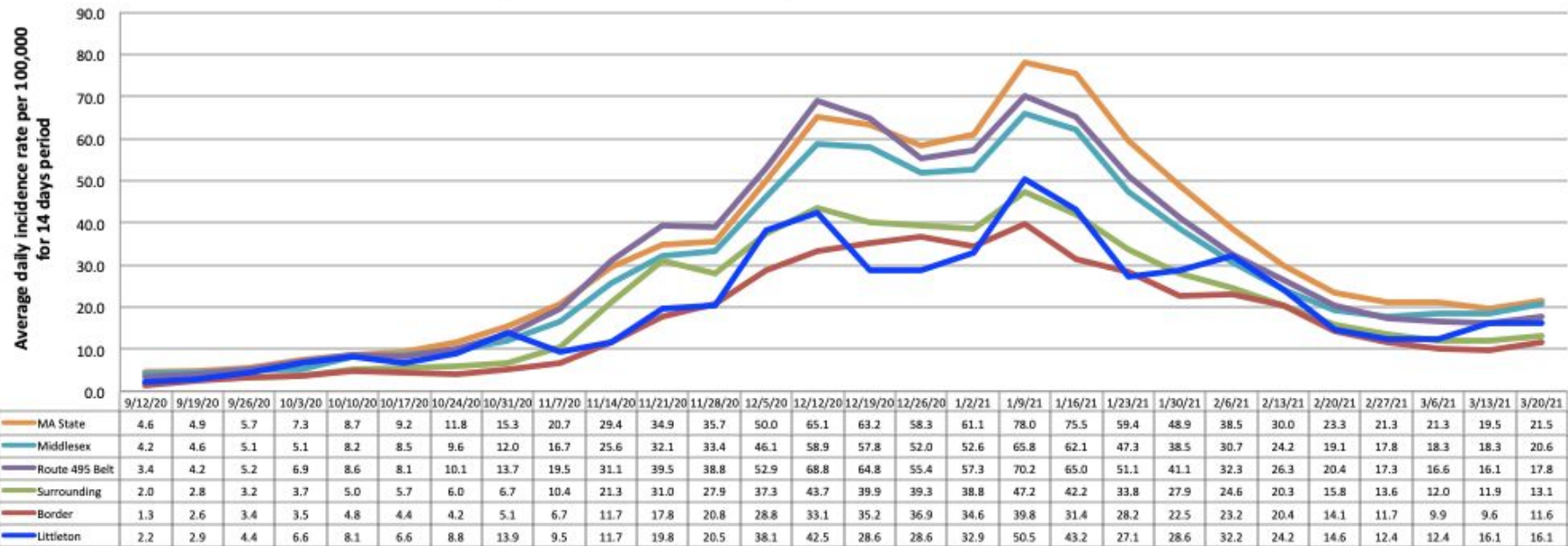
**22 Cases (Yellow)**

**Rate = 16.1 per 100,000**

**Test Positivity = 1.77%**

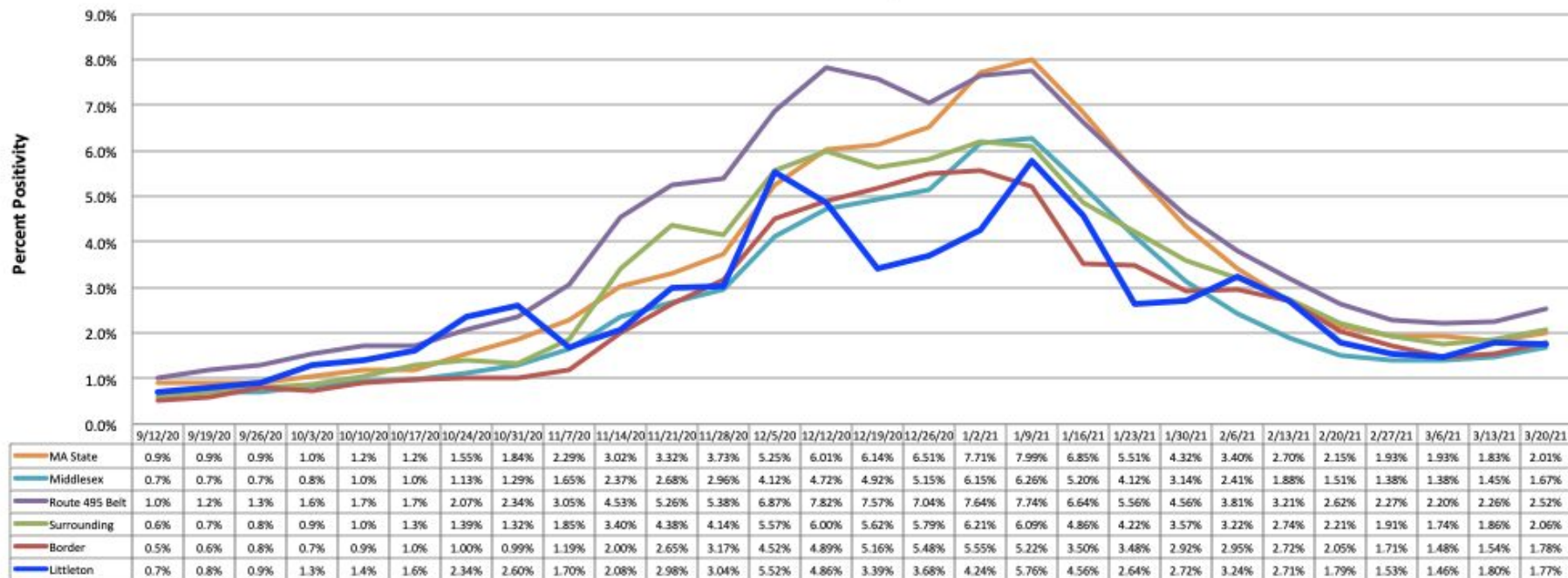


### Average Daily Incidence Rate per 100,000 for Past 14 Days



**Littleton - Rate 16.1 per 100k (higher)**

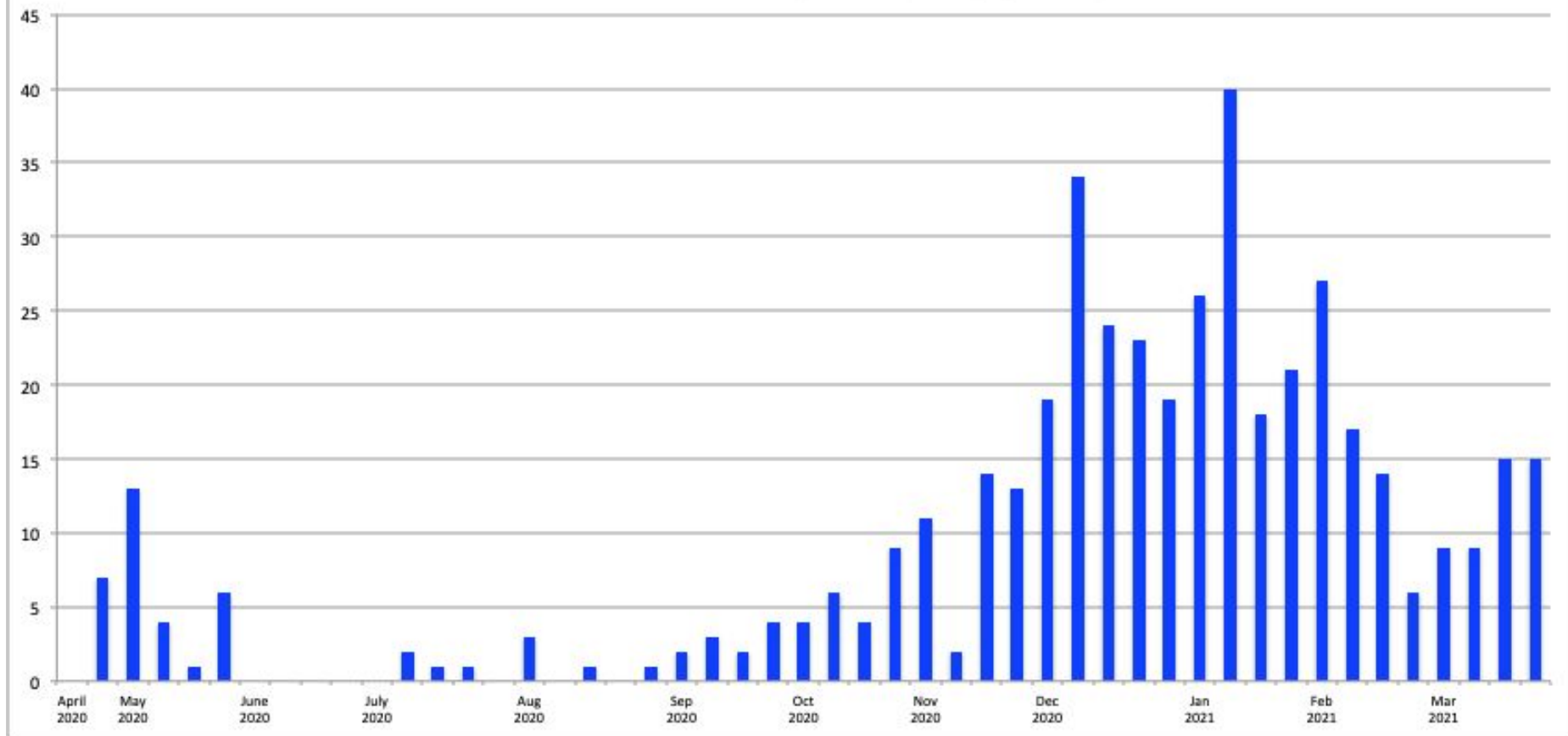
## Total Test Positivity



**Littleton: 1246 tests (stable)**

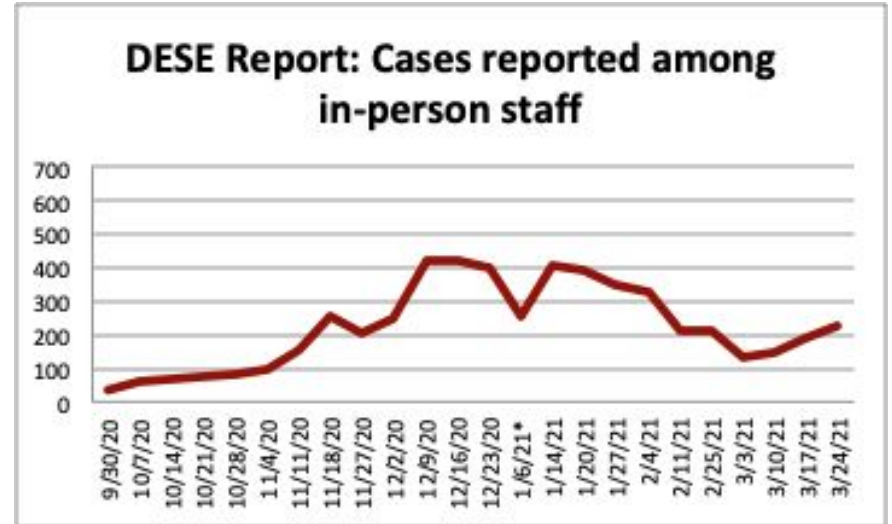
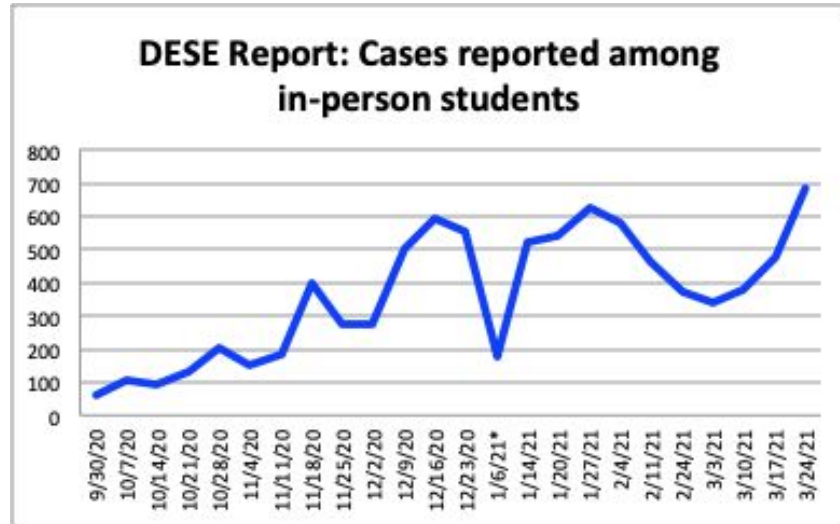
**Test positivity 1.77% (higher)**

**Littleton: New Cases by Week (7-day period)**



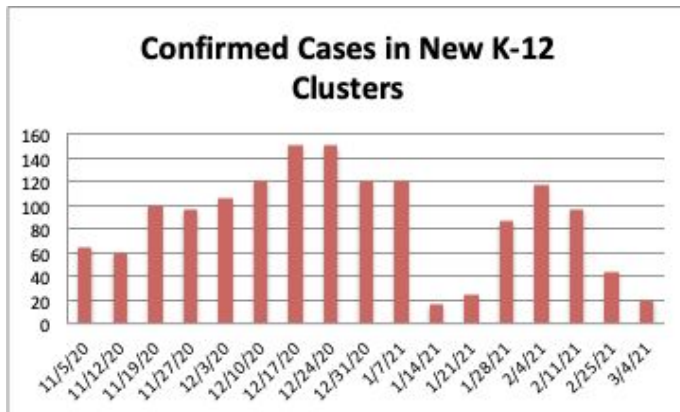
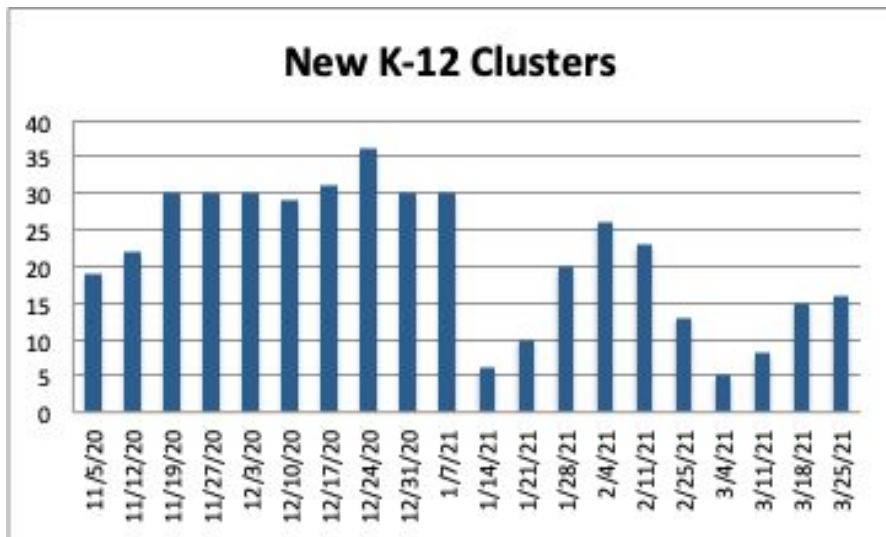
# School Data

# DESE Positive Cases in MA Schools

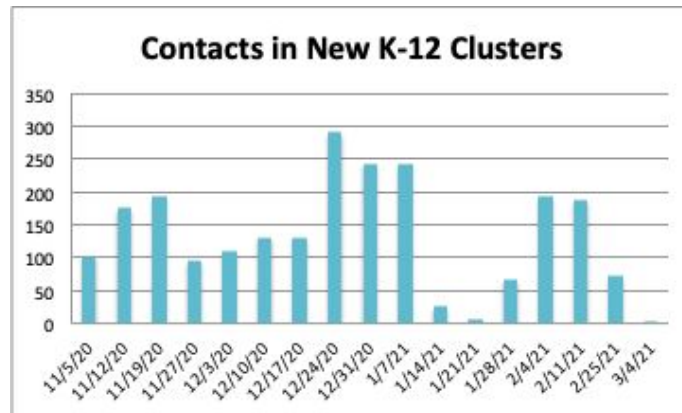




# MA DPH Data K-12 Clusters

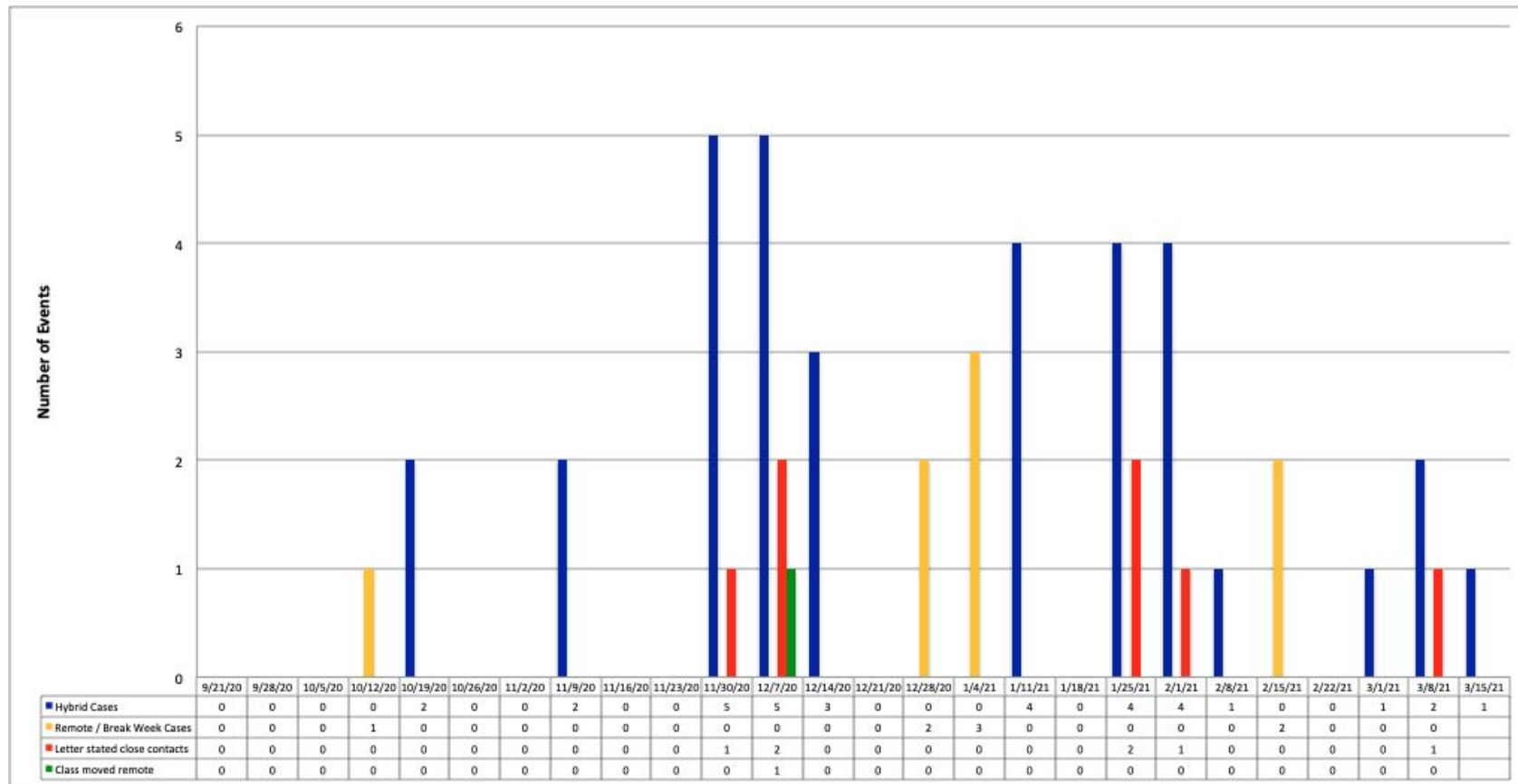


**Average Cases per Cluster = 4.7**



**Average Contacts per Cluster = 5.8**

# LPS Health Notification Letters



# DPH Clusters



# Massachusetts Department of Public Health COVID-19 Dashboard - Active COVID Clusters by Exposure Setting Type

Thursday, March 25, 2021

Exposure	New Clusters (Identified 2/21 – 3/20)			Ongoing Clusters (Cluster Identified Prior to 2/21 but Not Meeting Criteria for Closing)			Total		
Setting	Clusters	Confirmed Cases	Contacts	Clusters	Confirmed Cases	Contacts	Clusters	Confirmed Cases	Contacts
24/7 Congregate Settings	2	7	6	31	2	3	33	9	9
Child Care	82	298	245	171	71	171	253	369	416
Colleges & Universities	28	180	91	64	90	49	92	270	140
Corrections	0	0	0	15	29	3	15	29	3
Hospitals	4	60	0	19	9	2	23	69	2
Household	6,278	15,978	0	13,504	2,218	0	19,782	18,196	0
Industrial Settings	13	74	5	40	33	27	53	107	32
K-12 Schools	16	75	92	31	11	24	47	86	116
Long Term Care Facilities	32	85	0	97	197	0	129	282	0
Offices	5	19	4	12	12	5	17	31	9
Organized Athletics/Camps	21	157	190	52	16	74	73	173	264
Other	0	0	0	2	0	0	2	0	0
Other Food Establishments	3	11	0	16	4	2	19	15	2
Other Healthcare	1	3	0	11	8	0	12	11	0
Other Workplaces	5	19	0	17	13	1	22	32	1
Places of Worship	6	72	1	5	1	0	11	73	1
Recreation/Cultural	5	21	69	8	22	0	13	43	69
Restaurants & Food Courts	16	100	26	22	14	11	38	114	37
Retail & Services	10	40	10	33	19	8	43	59	18
Senior Living	4	16	0	64	11	8	68	27	8
Shelters	0	0	0	3	1	11	3	1	11
Social Gatherings	17	105	67	13	0	2	30	105	69
Travel & Lodging	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>6,548</b>	<b>17,320</b>	<b>806</b>	<b>14,230</b>	<b>2,781</b>	<b>401</b>	<b>20,778</b>	<b>20,101</b>	<b>1,207</b>

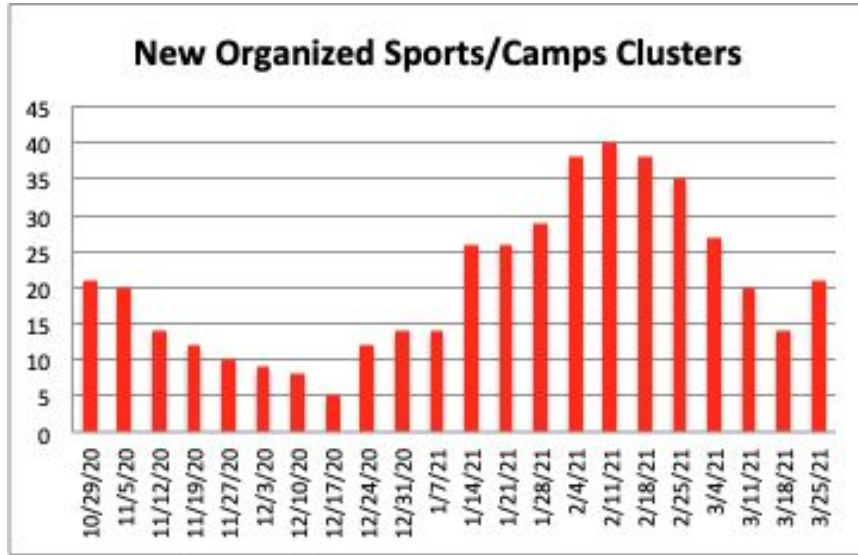
New Clusters: Clusters with the first case (indicated by the first positive lab result) identified during the four week period 2/21/2021 – 3/20/2021

Ongoing Clusters: Clusters with the first case identified prior to 2/21 that has not met criteria to be closed. Confirmed cases included in ongoing clusters occurred between 2/21 and 3/20 but are associated with a cluster that began prior to 2/21. Close contacts included in ongoing clusters occurred between 2/21 and 3/20 but are associated with a cluster that began prior to 2/21

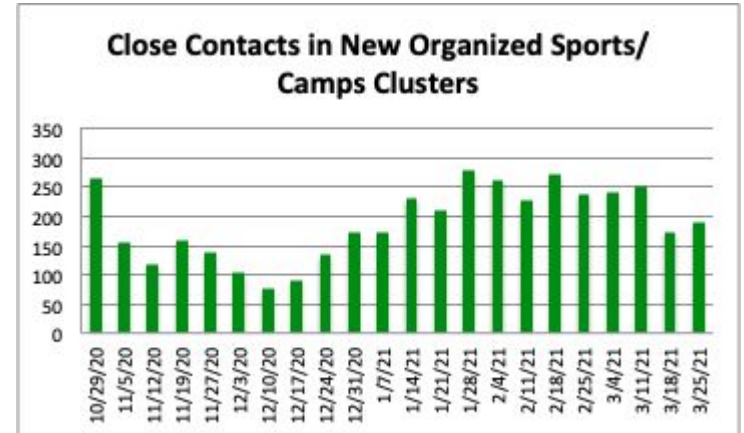
Closed Clusters: A cluster is closed after 28 days have passed since the last confirmed case; 81,557 clusters are closed, 304,531 cases are associated with closed clusters

Source of data: Massachusetts Department of Public Health, Bureau of Infectious Disease and Laboratory Sciences. Long Term Care Facility Data from the National Healthcare Safety Network beginning 5/31/2020. All other data from MAVEN and are subject to change. Only clusters consisting of two or more confirmed Massachusetts cases with a common exposure have been included.

# MA DPH Organized Sports/Camps Clusters



**Average Cases per Cluster = 7.5**



**Average Contacts per Cluster = 9.0**



**Nashoba Nursing Service & Hospice and Nashoba Associated Boards of Health ...**

1h · 🌐

Unfortunately there continues to be increased clusters of COVID19 cases related to sporting events. The COVID19 cases are directly related to games and practices.

Ice hockey, basketball, football, baseball and cheerleading have the largest clusters.

If you have kids that are playing sports please monitor your children daily for symptoms. Do not carpool with other families. Be socially distant at events and wear a mask!

If you have a child that does get COVID19 please work with your local Board of Health and the State Community Tracing Collaborative. We are getting reports that families are not being forthcoming with these agencies making it very difficult to notify all appropriate close contacts. Notifying close contacts is key to stopping the spread. Remember....you are most contagious 2 days prior to showing symptoms.

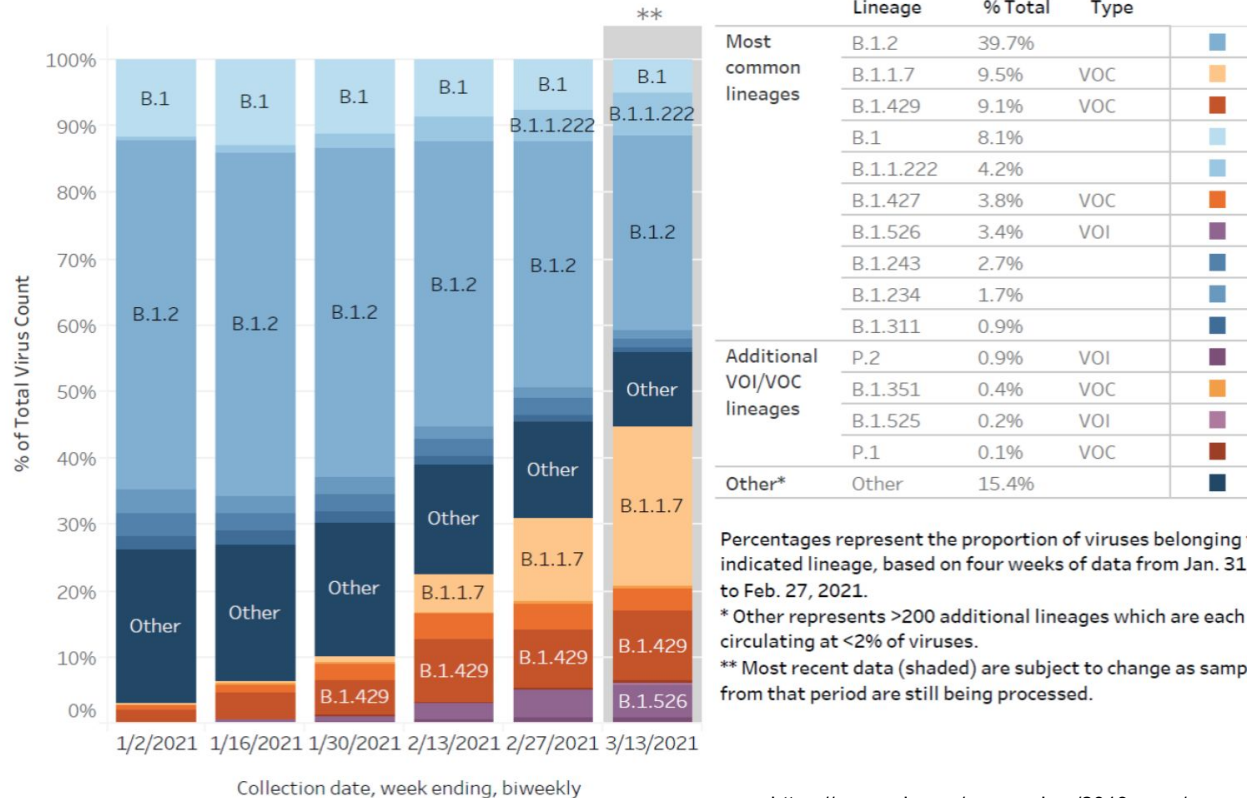
# Selected SARS-CoV-2 Variants of Concern

Lineage	First Detected	Characteristics	In MA?
B.1.1.7	UK	<ul style="list-style-type: none"> <li>• 50% increased transmission</li> <li>• Increased disease severity based on hospitalization and case fatality rates</li> <li>• Minimal impact on neutralization by EUA monoclonal antibody therapeutics</li> <li>• Minimal impact on neutralization by convalescent and post-vaccination sera</li> </ul>	Yes
B.1.351	South Africa	<ul style="list-style-type: none"> <li>• 50% increased transmission</li> <li>• Moderate impact on neutralization by EUA monoclonal antibody therapeutics</li> <li>• Moderate reduction on neutralization by convalescent and post-vaccination sera</li> </ul>	Yes
P.1	Brazil	<ul style="list-style-type: none"> <li>• Moderate impact on neutralization by EUA monoclonal antibody therapeutics</li> <li>• Reduced neutralization by convalescent and post-vaccination sera</li> </ul>	Yes
B.1.427	California	<ul style="list-style-type: none"> <li>• 20% increased transmissibility</li> <li>• Significant impact on neutralization by some but not all EUA therapeutics</li> <li>• Moderate reduction in neutralization using convalescent and post vaccination sera</li> </ul>	
B.1.429	California	<ul style="list-style-type: none"> <li>• 20% increased transmissibility</li> <li>• Significant impact on neutralization by some but not all EUA therapeutics</li> <li>• Moderate reduction in neutralization using convalescent and post vaccination sera</li> </ul>	

Source: [www.cdc.gov/coronavirus/2019-ncov/cases-updates/variant-surveillance/variant-info](https://www.cdc.gov/coronavirus/2019-ncov/cases-updates/variant-surveillance/variant-info)



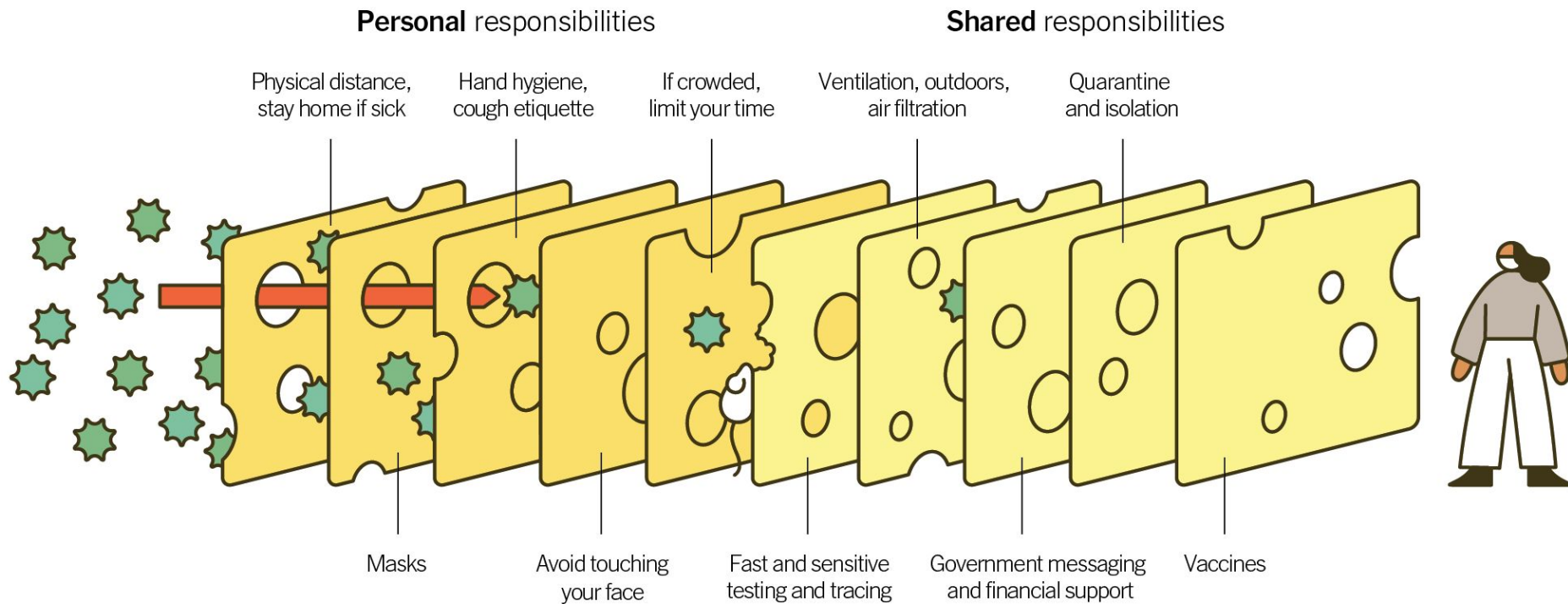
# SARS-CoV-2 Variants Circulating in the United States





# Multiple Layers Improve Success

The Swiss Cheese Respiratory Pandemic Defense recognizes that no single intervention is perfect at preventing the spread of the coronavirus. Each intervention (layer) has holes.



## Know the symptoms of COVID-19, which can include the following:



**Cough, shortness of breath or difficulty breathing**



**Fever or chills**



**Muscle or body aches**



**Vomiting or diarrhea**



**New loss of taste or smell**

Symptoms can range from mild to severe illness, and appear 2–14 days after you are exposed to the virus that causes COVID-19.

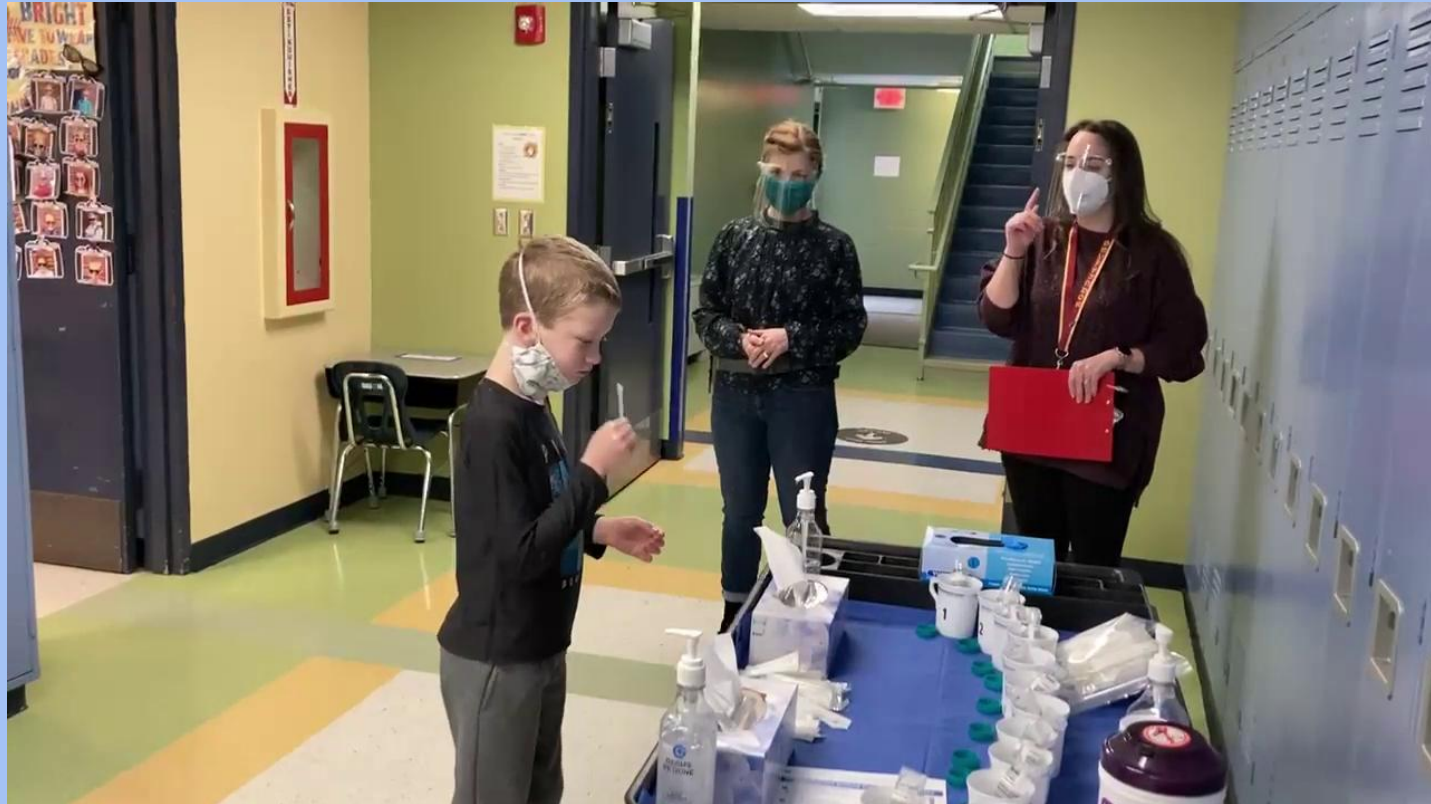
# Mask Fit Checklist:

- Fit your mask **snugly against the sides of your face** without gaps.
- Ensure your mask is worn **over your mouth and nose**.
- Bend a nose wire **over your nose** to help prevent air leakage.
- Check for gaps by **cupping your hands around the outside edges** of the mask.



[cdc.gov/coronavirus](https://cdc.gov/coronavirus)

# Jump in the Testing Pool!





# Use all the tools available to **stop the spread**



**When you can, get the vaccine**

Before, between and after being vaccinated you still need to:



**Wear a mask**



**Wash your hands**



**Keep your distance**



**Avoid groups**

For more information on how to stop the spread visit [Mass.gov/StopCOVID](https://www.mass.gov/StopCOVID)



# CDC Interim Guidance - Fully vaccinated people can:

- **Fully vaccinated = at least 2 weeks after last dose**
- Visit other vaccinated people indoors, without masks/physical distancing, in private settings
- Visit **unvaccinated people from a single household** in private settings, without masks/physical distancing, where unvaccinated people (and the people they live with) are **low risk for severe disease**
- Refrain from quarantine and testing if have known exposure, as long as there are no symptoms (get tested if have symptoms)
- **Wear a mask and maintain physical distance in public and when around unvaccinated people from multiple households**



# Safer Holiday Celebrations

- Wear a well fitting, multi-layer **mask**
- **Physical distance (6 feet)** from unvaccinated individuals outside your household
- **Improve ventilation** (outdoors, open windows/doors)
- Wash your hands
- **Get tested** before and after your gathering
- If fully vaccinated, follow CDC guidance
- **Stay home if you are sick or may have been exposed to Covid-19**
- Gathering limits for private residences: 10 inside, 25 outside
- Follow MA Travel Order
- Safe practices for Places of Worship

