

Covid-19 Health Metrics

DPH Data from 11/27/2020



Dashboard of Public Health Indicators

Testing and Cases

Newly Reported Confirmed Cases	Total New Molecular Tests Reported	7-Day Average Positivity	Estimated Active Cases
2,501	48,685	3.80%	43,709

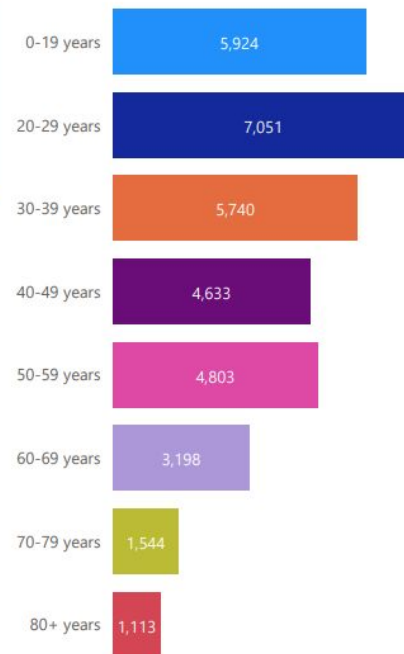
Hospitalization

Total Confirmed COVID Patients in Hospital	Total Confirmed COVID Patients in ICU	Average Age of Cases that were Hospitalized*
1,081	238	65

Deaths

Newly Reported Deaths among Confirmed	Average Age of Deaths*	14-Day Average Turnaround (from Test Sample to Report to DPH)*
46	81	1.92

Total Cases By Age Group
from 11/8/2020-11/21/2020 *



Note: For definitions, please see the Glossary at the end of this document in "Definitions and Disclaimers". Average age of hospitalized cases and deaths are calculated for a two week period covering 11/08/2020 to 11/21/2020. Please see the most current weekly dashboard for more details <https://www.mass.gov/info-details/covid-19-response-reporting>.

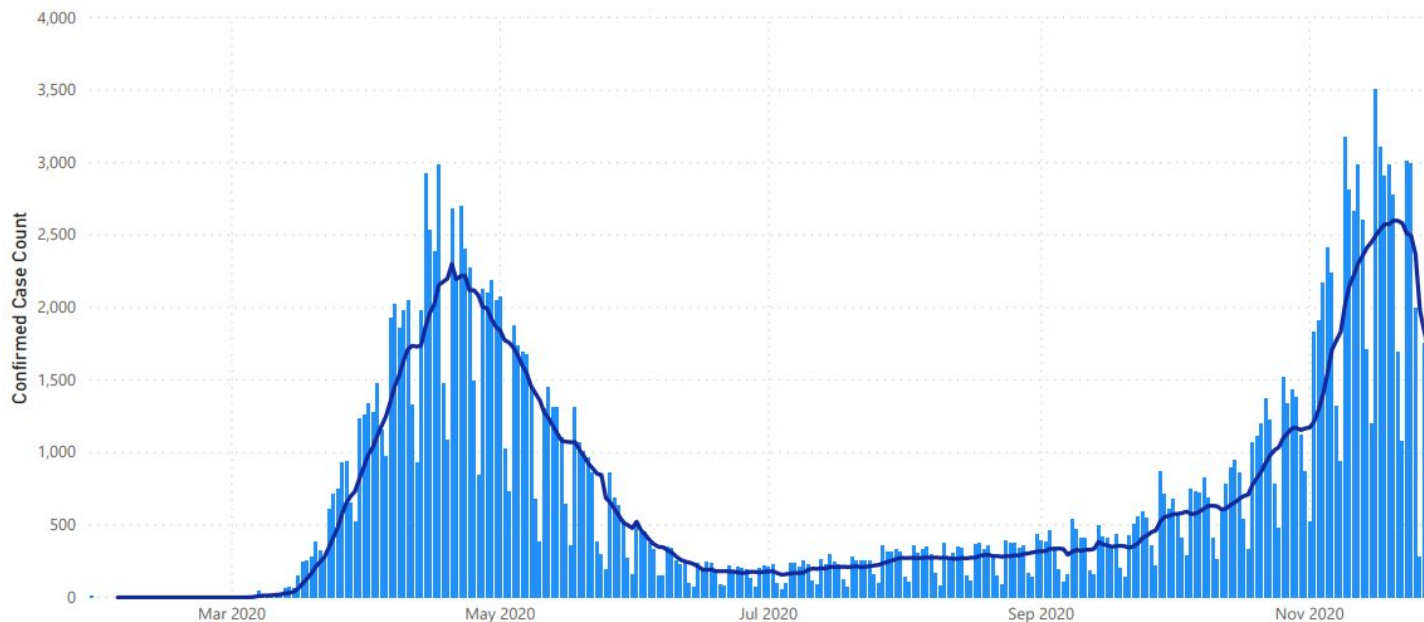
*Last updated Wednesday, November 25, 2020



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



Total Confirmed Cases

217,163

Average Daily Incidence Rate Per 100,000 (last 14 days)*

34.9

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.

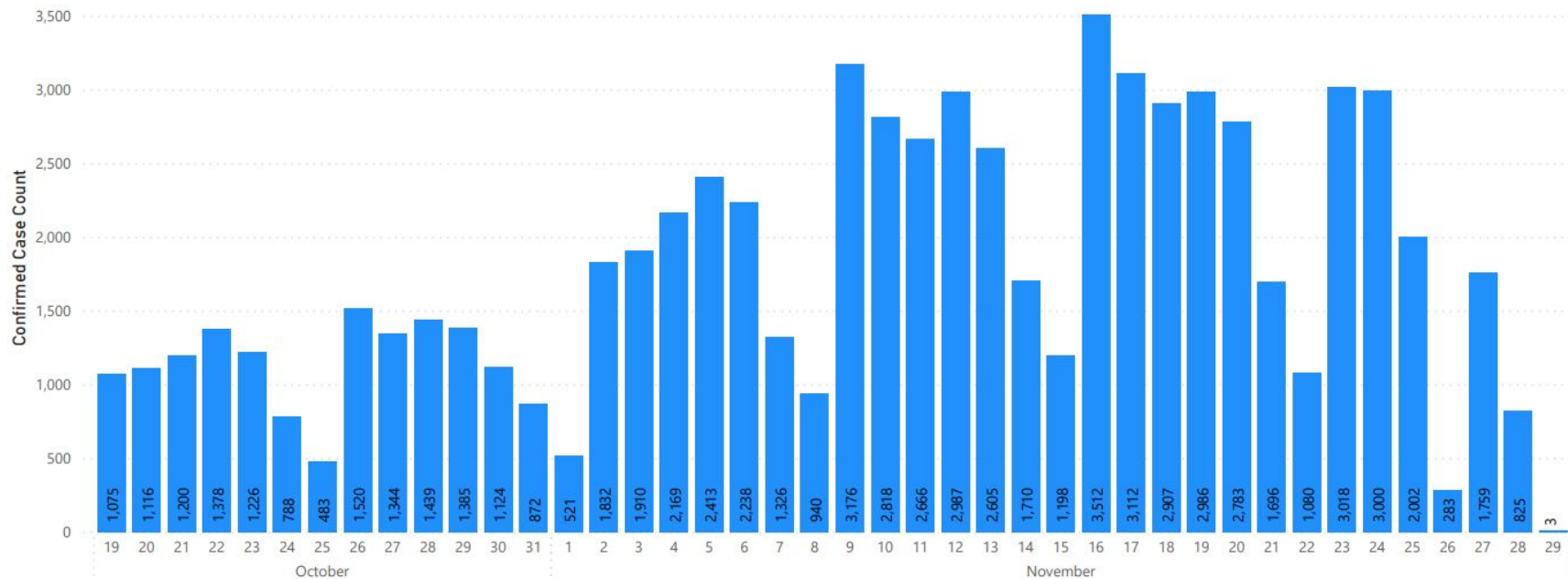
Note: all data are current as of 11:59 pm on 11/28/2020. Due to lag in reporting by laboratories, counts for most recent dates are likely to be incomplete.

*Last updated Wednesday, November 25, 2020 ; Covers 11/8/2020-11/21/2020 .



Daily Confirmed Cases (Past 6 Weeks)

Confirmed COVID-19 Cases by Date Individual Tested



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.

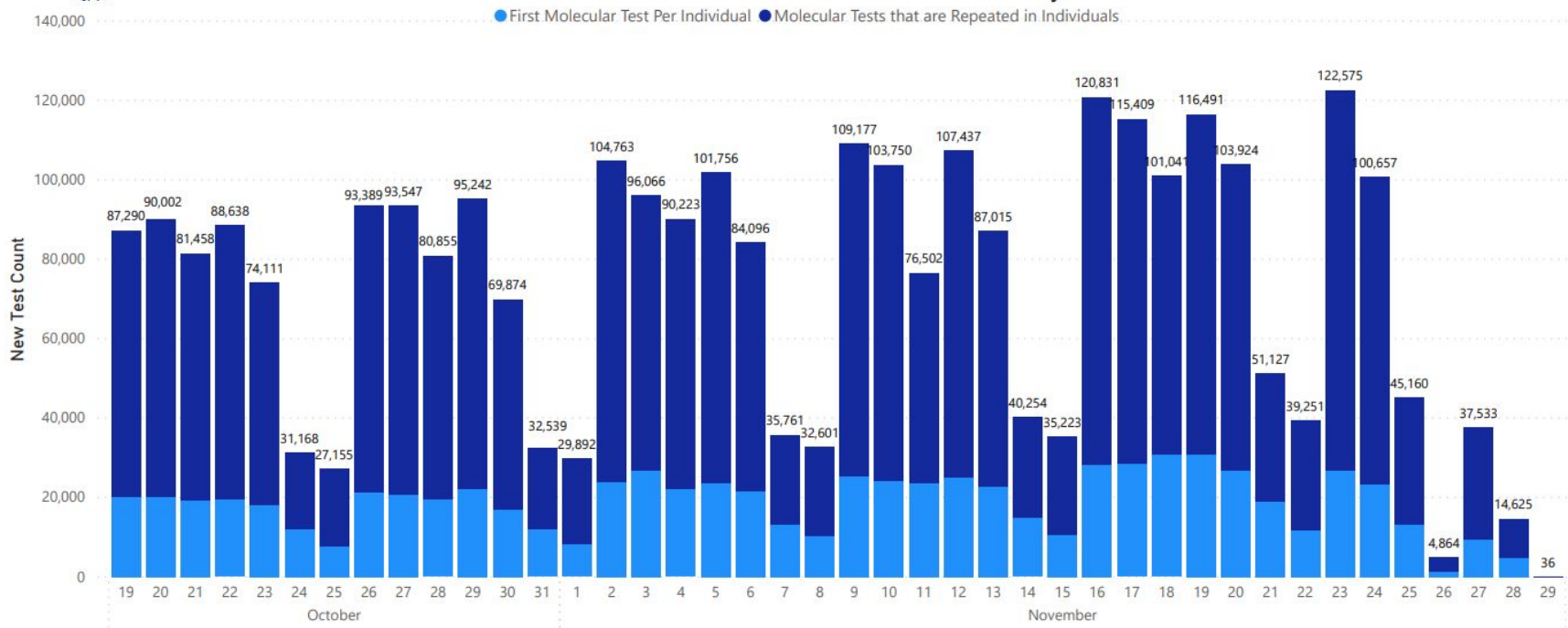
Note: all data are current as of 11:59 pm on 11/28/2020. Due to lag in reporting by laboratories, counts for most recent dates are likely to be incomplete.



Massachusetts Department of Public Health COVID-19 Dashboard- Sunday, November 29, 2020

Testing by Date - Molecular (Total Tests Conducted Past 6 Weeks)

Total Number of Molecular Tests Performed by Date



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.

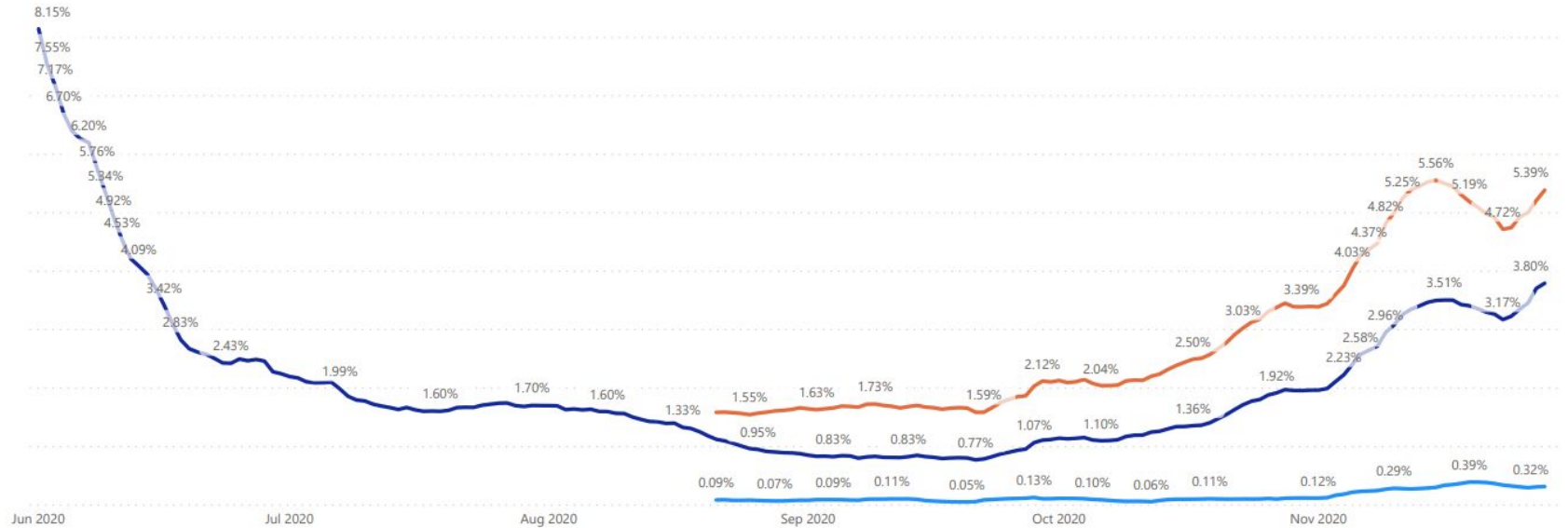
Note: all data are current as of 11:59 pm on 11/28/2020. Due to lag in reporting by laboratories, counts for most recent dates are likely to be incomplete. This includes individuals who have had more than one molecular test.



Testing by Date - Molecular (Percent Positive)

7-Day Weighted Average of Percent of Tests By Molecular Method that are Positive by Test Date

● MA Statewide (metric on p.2) ● MA Higher Education Only ● MA with Higher Education Tests Removed



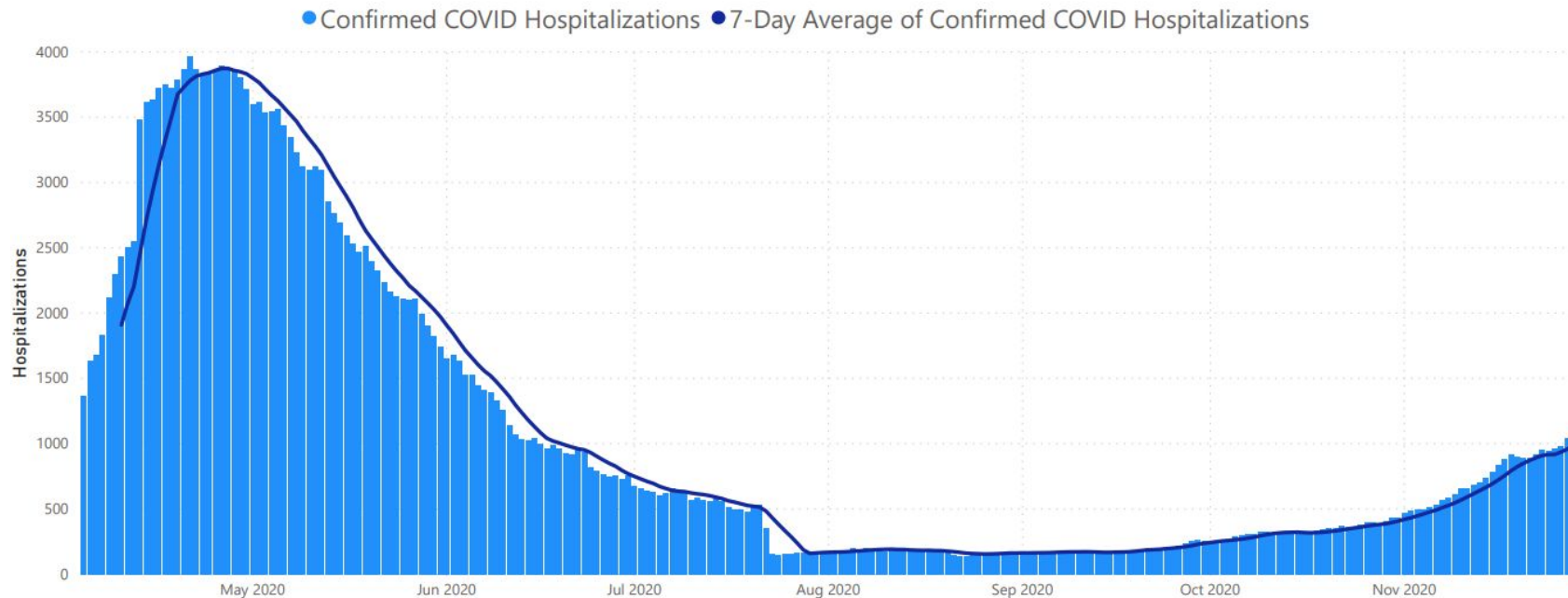
Data Sources: COVID-19 Data provided by the Bureau of Infectious Disease and Laboratory Sciences; Tables and Figures created by the Office of Population Health.

Note: all data are current as of 11:59pm on 11/28/2020. Due to lag in reporting by laboratories, counts for most recent dates are likely to be incomplete. This includes individuals who have had more than one molecular test.



Daily Confirmed Hospitalizations

Total Confirmed COVID Patients in Hospital



Data Sources: COVID-19 Data provided by the MDPH survey of hospitals (hospital survey data are self-reported); Tables and Figures created by the Office of Population Health.

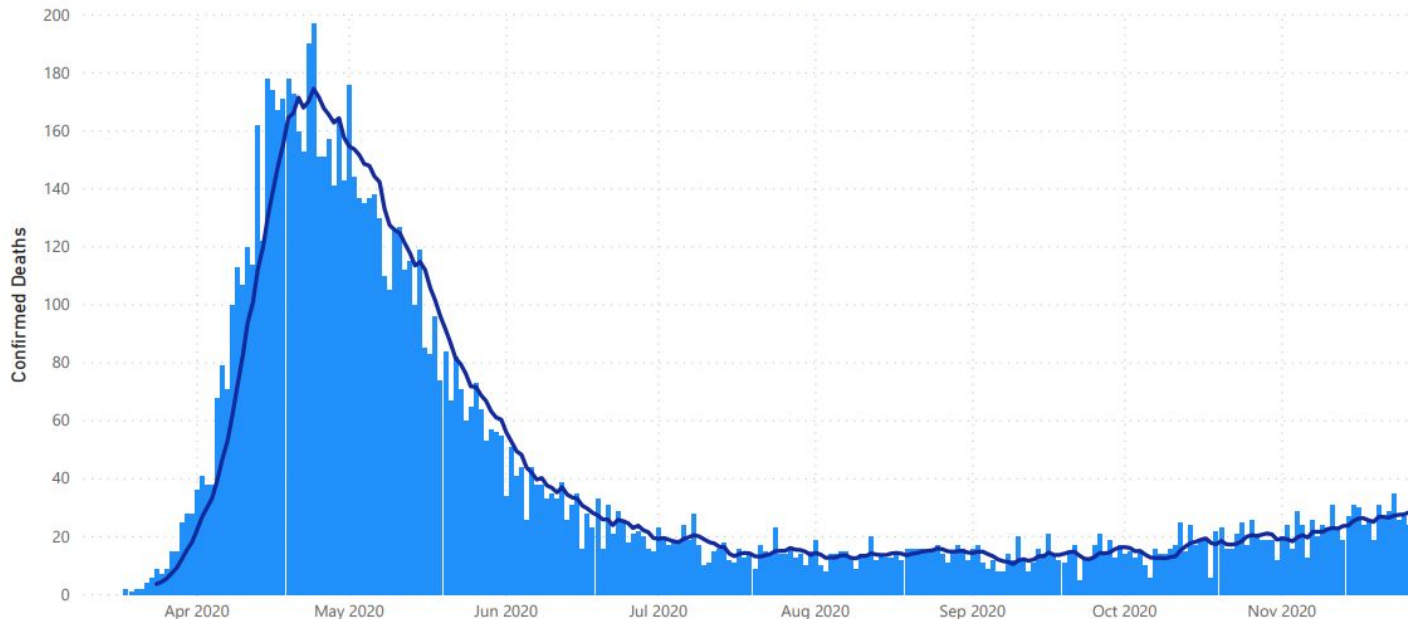
Notes: data are current as of 3:00pm the day before the date at the top of the page. For purposes of this reporting, "confirmed" are cases with a PCR test. Data prior to July 22, 2020 include both confirmed and suspected COVID hospitalizations, as confirmed COVID hospitalizations were not reported separately during this time.



Daily Confirmed Deaths (Since March)

Confirmed COVID Deaths by Date of Death

● Confirmed Deaths ● 7-Day Average of Confirmed Deaths

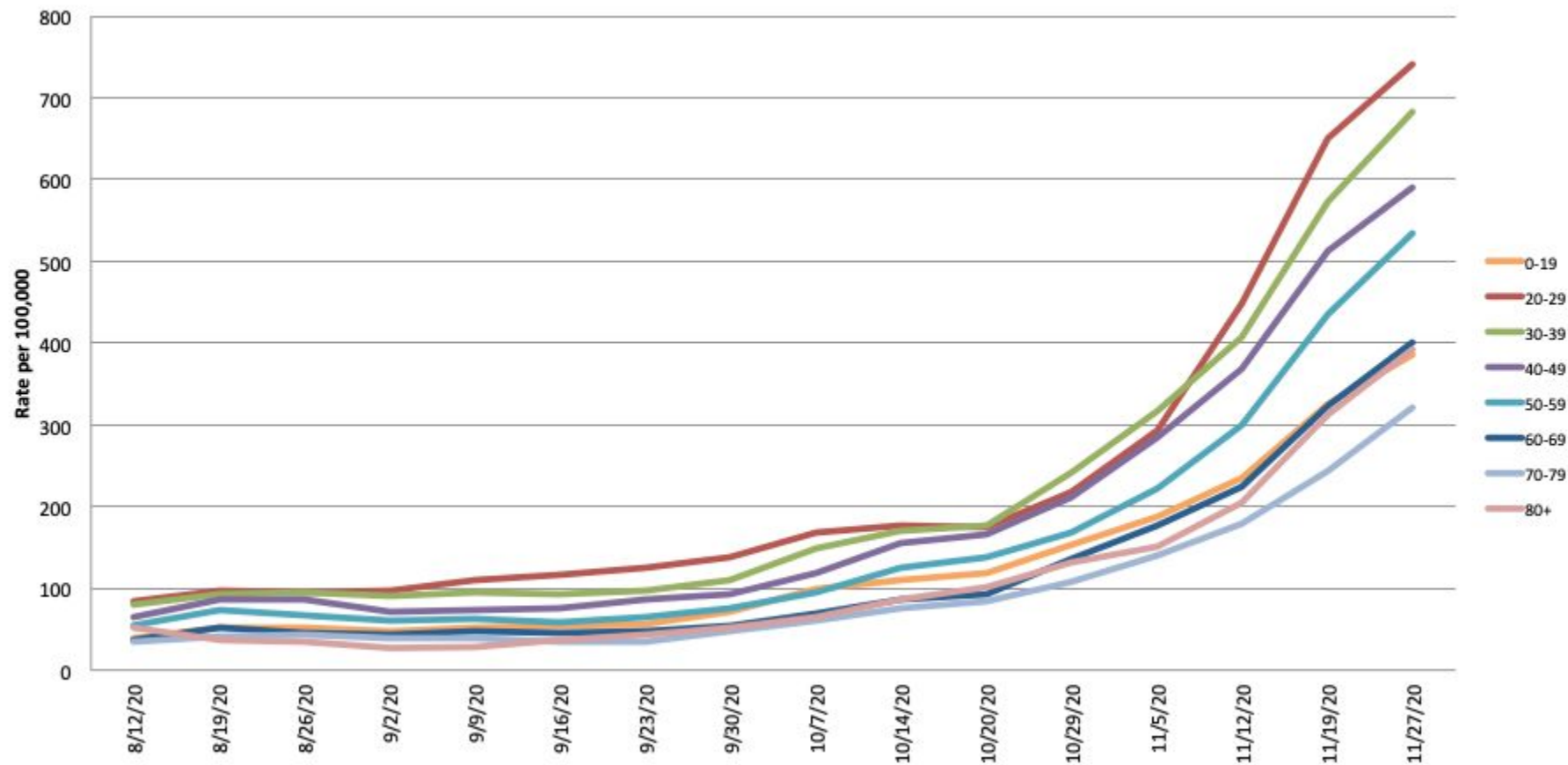


Total Deaths
Among Confirmed
Cases
10,487

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 11:59 pm on 11/28/2020 .

Rate (per 100k) of Total COVID-19 Cases by Age Group for the Last Two Weeks





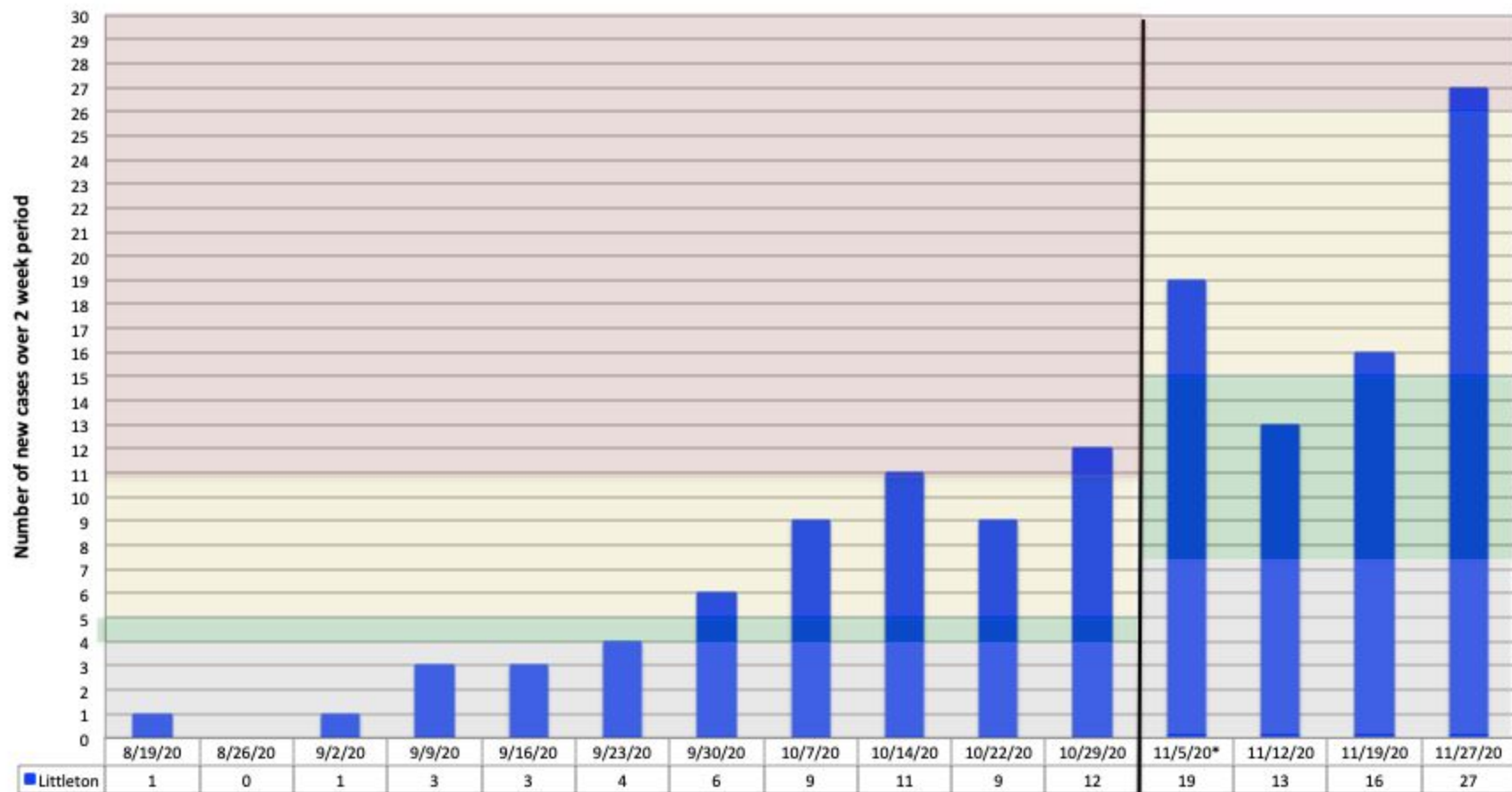
Massachusetts Department of Public Health COVID-19 Dashboard - Friday, November 06, 2020

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

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.

Littleton: Number of New Cases over Two Week Period



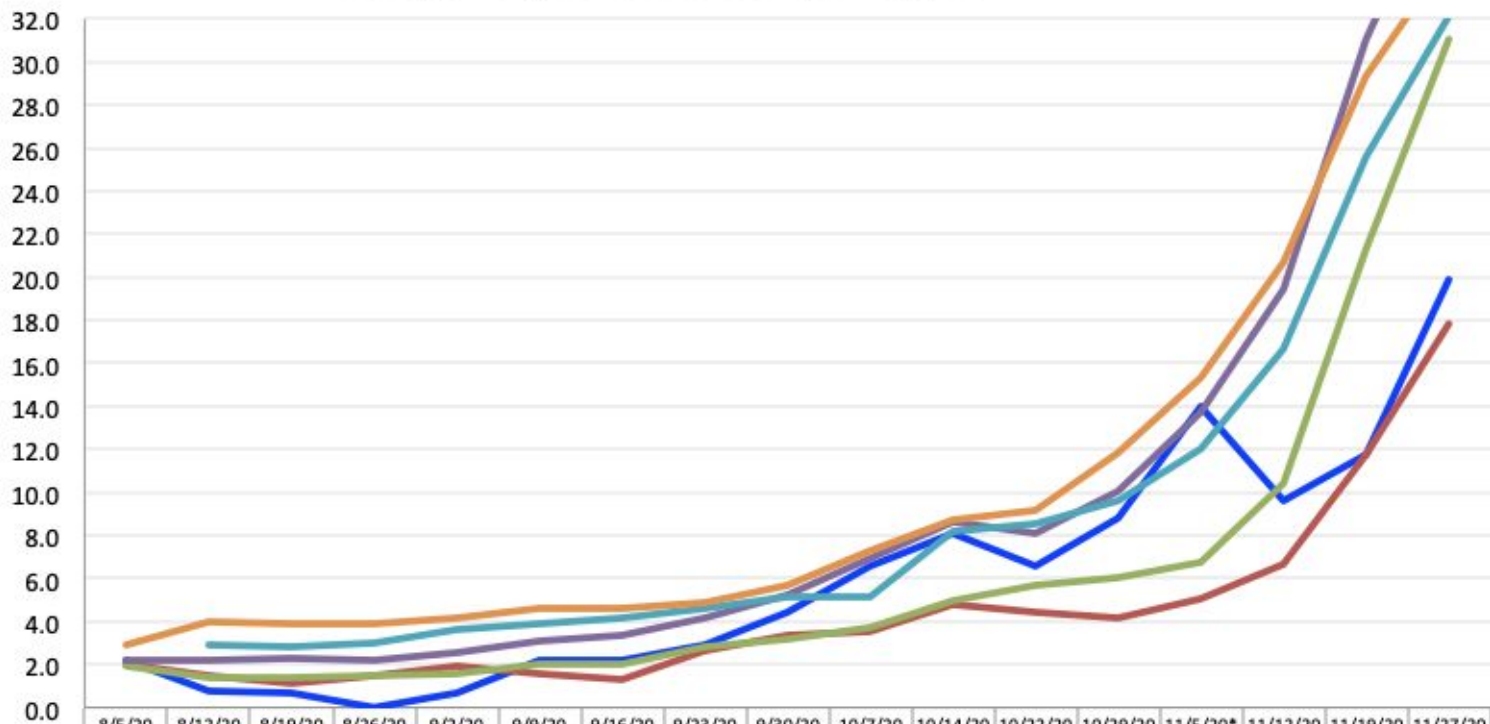
Average daily incidence rate per 100,000

	Number of new cases (2 week period)	Average daily case rate per 100,000 over last two weeks	Trend (compared to 2 weeks ago)	Threshold Color (new cut points)
MA State	34,070	34.9 1.7 times higher	Higher (+14.2)	Yellow
Middlesex County	7,319	32.1 Doubled	Higher (+15.4)	
495 Belt	3,559	39.4 Doubled	Higher (+20.0)	
Surrounding Communities	928	31.0 Tripled	Higher (+20.6)	
Border Communities	220	17.8 More than Doubled	Higher (+11.1)	
Littleton	27	19.8 Doubled	Higher (+10.3)	Red

Data from Weekly DPH report November 27, 2020

Average Daily Incidence Rate per 100,000

Average Daily Incidence Rate per 100,000 for past 14 days

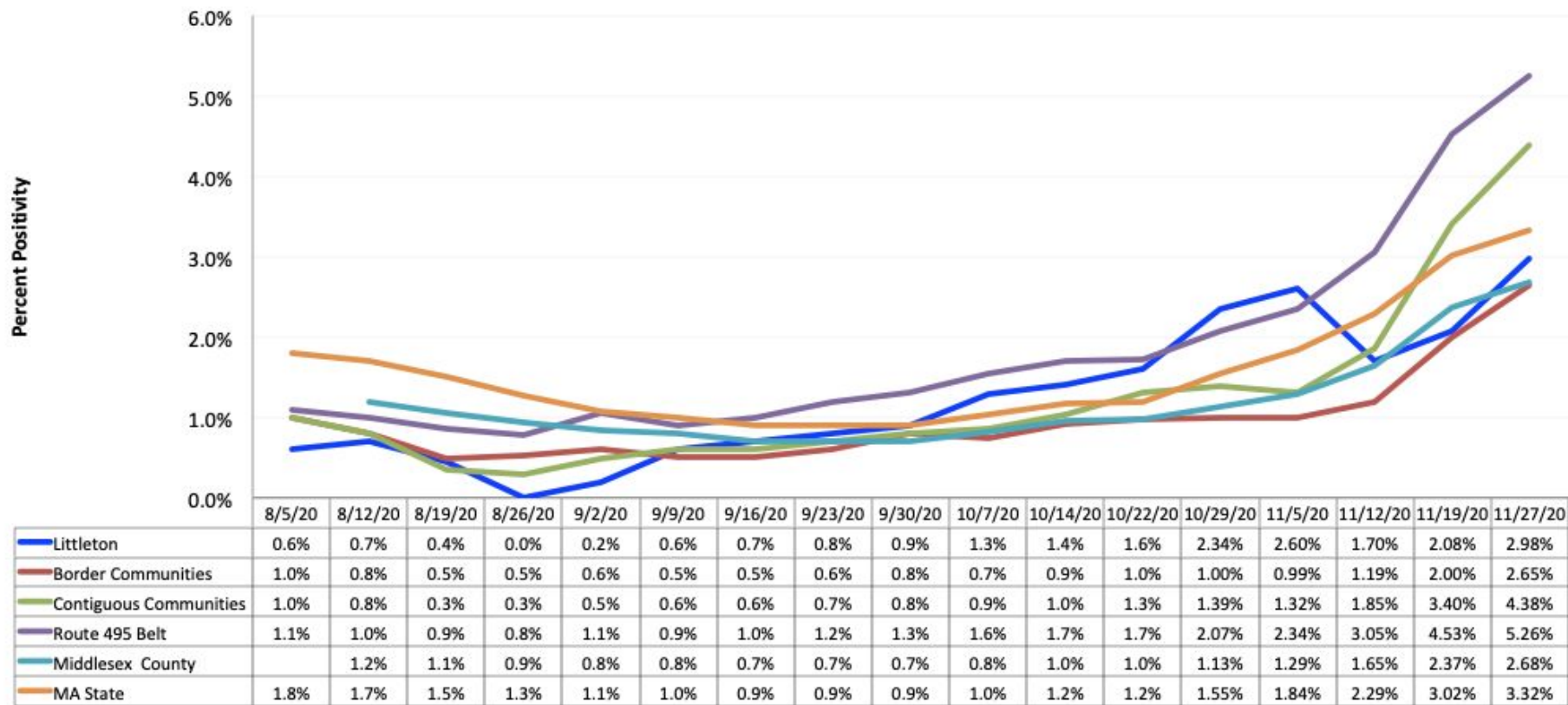


Littleton	2.2	0.7	0.7	0.0	0.7	2.2	2.2	2.9	4.4	6.6	8.1	6.6	8.8	14.0	9.6	11.8	19.8
Border Communities	2.0	1.5	1.1	1.5	1.9	1.6	1.3	2.6	3.4	3.5	4.8	4.4	4.2	5.1	6.7	11.7	17.8
Surrounding Communities	1.9	1.4	1.4	1.5	1.6	2.0	2.0	2.8	3.2	3.7	5.0	5.7	6.0	6.7	10.4	21.3	31.0
Route 495 Belt	2.2	2.2	2.3	2.2	2.5	3.1	3.4	4.2	5.2	6.9	8.6	8.1	10.1	13.7	19.4	31.1	39.4
Middlesex County		2.9	2.8	3.0	3.6	3.9	4.2	4.6	5.1	5.1	8.2	8.5	9.6	12.0	16.7	25.6	32.1
MA State	2.9	4.0	3.9	3.9	4.2	4.6	4.6	4.9	5.7	7.3	8.7	9.2	11.8	15.3	20.7	29.4	34.9

Total Test Positivity

	Total Molecular Tests conducted (last 14 days)	Percent Positivity	Trend (compared to 2 weeks ago)
MA State	1,187,383	3.32%	Higher (+1.03%)
Middlesex County	310,931	2.68%	Higher (+1.03%)
495 Belt	75,908	5.26%	Higher (+2.20%)
Surrounding Communities	22,400	4.38%	Higher (+2.53%)
Border Communities	8,761	2.65%	Higher (+1.46%)
Littleton	973	2.98%	Higher (-1.28%)
Data from Weekly DPH report November 27, 2020			

Total Test Positivity





Massachusetts Department of Public Health COVID-19 Dashboard - Friday, November 27, 2020

Active COVID Clusters by Exposure Setting Type

Exposure	New Clusters (Identified 10/25 – 11/21)			Ongoing Clusters (Cluster Identified Prior to 10/25 But Not Meeting Criteria for Closing)			Total		
Setting	Clusters	Confirmed Cases	Contacts	Clusters	Confirmed Cases	Contacts	Clusters	Confirmed Cases	Contacts
24/7 Congregate Settings	32	127	24	34	66	62	66	193	86
Child Care	74	205	330	63	41	215	137	246	545
Colleges & Universities	27	131	60	15	11	8	42	142	68
Corrections	6	43	3	10	581	17	16	624	20
Hospitals	12	124	77	17	51	13	29	175	90
Household	7,850	19,786		2,712	1,491		10,562	21,277	
Industrial Settings	28	101	40	42	85	75	70	186	115
K-12 Schools	30	97	95	33	19	84	63	116	179
Long Term Care Facilities	116	896		113	782		229	1,678	
Offices	8	38	14	9	8	0	17	46	14
Organized Athletics/Camps	10	30	138	32	7	58	42	37	196
Other	5	34	36	7	2	21	12	36	57
Other Food Establishments	4	16	1	4	2	18	8	18	19
Other Healthcare	12	69	20	14	22	0	26	91	20
Other Workplaces	11	50	9	11	28	9	22	78	18
Places of Worship	6	44	22	10	26	22	16	70	44
Recreation/Cultural	1	9	0	7	2	10	8	11	10
Restaurants & Food Courts	29	136	136	48	20	55	77	156	191
Retail & Services	5	15	14	21	24	8	26	39	22
Senior Living	27	221	2	21	26	12	48	247	14
Shelters	4	26	13	2	2	25	6	28	38
Social Gatherings	23	125	56	39	10	67	62	135	123
Travel & Lodging	1	5	4	2	2	0	3	7	4
Total	8,321	22,328	1,094	3,266	3,308	779	11,587	25,636	1,873

New Clusters: Clusters with the first case (indicated by the first positive lab result) identified during the four week period 10/25/2020 – 11/21/2020

Ongoing Clusters: Clusters with the first case identified prior to 9/27 that has not met criteria to be closed. Confirmed cases included in ongoing clusters occurred between 10/25 and 11/21 but are associated with a cluster that began prior to 10/25. Close contacts included in ongoing clusters occurred between 10/25 and 11/21 but are associated with a cluster that began prior to 10/25.

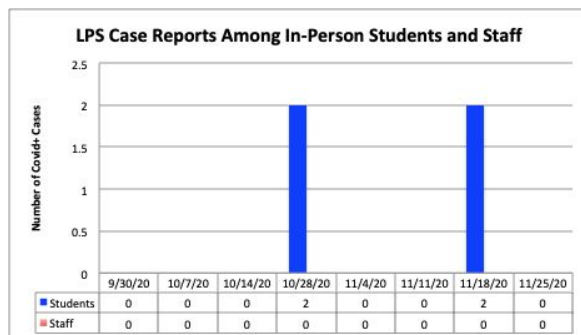
Closed Clusters: A cluster is closed after 28 days have passed since the last confirmed case; 17,485 clusters are closed, 84,469 cases are associated with closed clusters

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.

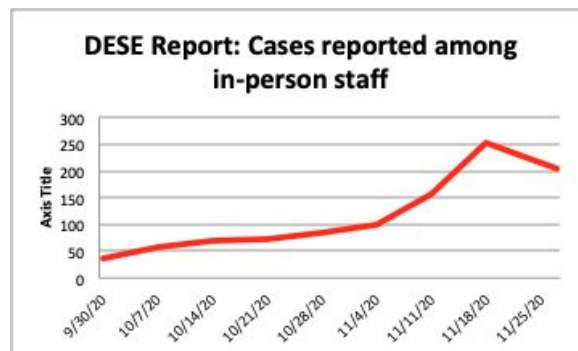
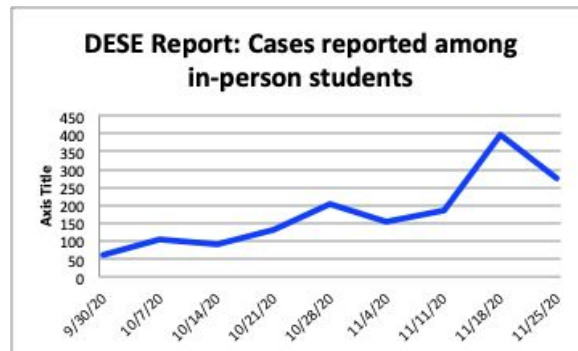
Only clusters consisting of two or more confirmed Massachusetts cases with a common exposure have been included.

Available Data on Covid+ Cases in MA Schools

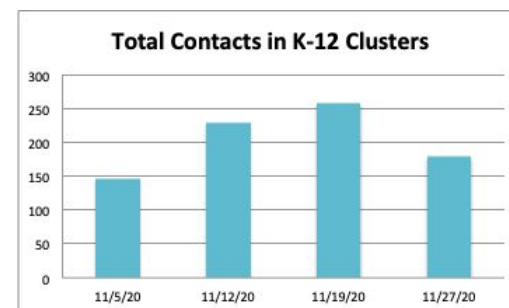
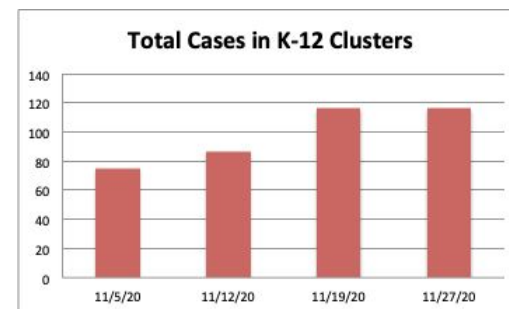
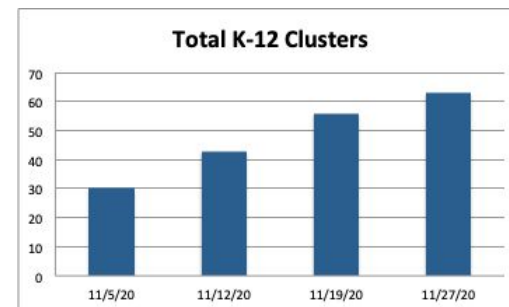
LPS Case Reports Among In-Person Students and Staff (DESE Weekly Report)



DESE Weekly Report on Positive Covid-19 Cases in MA Schools



DPH Weekly Report on Covid Clusters



Masks Protect Others AND Protect YOU

NEW FACE MASK REQUIREMENTS EFFECTIVE NOVEMBER 6, 2020*



ALL PERSONS OVER THE AGE OF 5** MUST
WEAR A FACE COVERING WHENEVER IN
PUBLIC, INDOORS OR OUTDOORS



FACE COVERINGS ARE REQUIRED
WHEN IN A VEHICLE WITH
NON-HOUSEHOLD MEMBERS

FAILURE TO COMPLY WITH THIS ORDER MAY RESULT IN A CIVIL FINE OF UP TO \$300 PER VIOLATION.

For more information visit mass.gov/maskrules

*IN ACCORDANCE WITH EXECUTIVE ORDER #55

**MASKS ARE ENCOURAGED BUT NOT REQUIRED FOR AGES 2-5



College Students Returning Home

- College Students returning home may introduce COVID-19 into households or expose friends and family who they visit
- Students should limit social activities before travel home
- **Get tested** before you leave campus
 - Testing is a *snapshot* of the day you took the test - it's not 100% reliable
 - **DO NOT RELY EXCLUSIVELY ON NEGATIVE TEST RESULTS** -
 - Layer up prevention strategies (Masks, distance, ventilation, etc).
- **MA Travel Order** - complete Travel Form and Quarantine for 14 days or produce a negative COVID-19 PCR test
- **Mask up** at home, **keep your distance** to protect your family (quarantine in a separate part of the house if you can)
- Reconsider Thanksgiving plans that involve older family members or those at high risk for severe COVID-19 outcomes



Your bubble is bigger than you'd think.

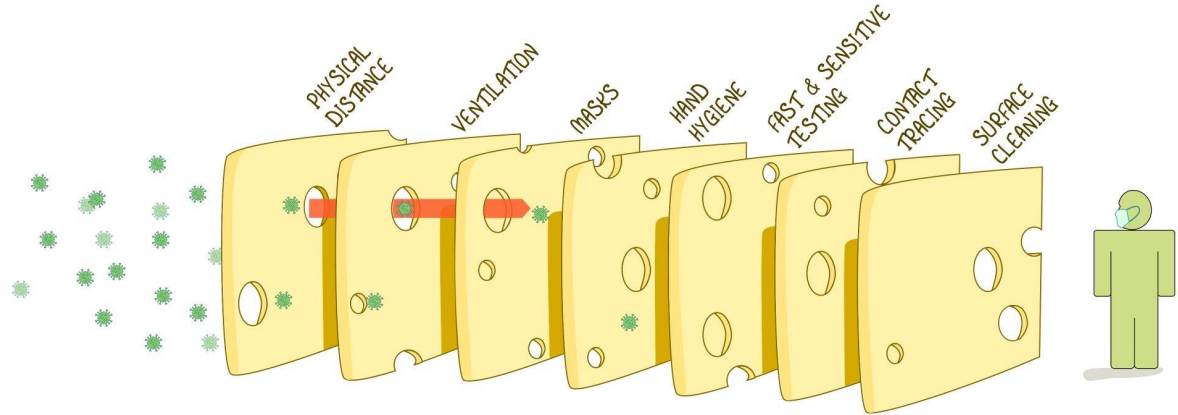
LAYER UP, LITTLETON

Stop the Spread of COVID-19

Anytime you are with people
you don't live with or near
someone who is Covid+:

- Wear a **mask**
- **Wash** your hands
- Stay at least **6 feet** apart
- Meet outside or **improve ventilation** by opening windows and doors
- Take extra precautions around someone at higher risk for severe illness from Covid-19

THE SWISS CHEESE RESPIRATORY VIRUS DEFENCE
RECOGNISING THAT NO SINGLE INTERVENTION IS PERFECT AT PREVENTING SPREAD



EACH INTERVENTION (LAYER) HAS IMPERFECTIONS (HOLES).
MULTIPLE LAYERS IMPROVE SUCCESS.