Covid-19 Health Metrics

January 14, 2021

MA State Data

Massachusetts Department of Public Health | COVID-19 Dashboard
Trends: 7-day Averages Over Time

Released on: January 14, 2021
Data as of: January 13, 2021
Caution: recent data may be incomplete

Cases

7-day average of COVID-19 confirmed cases

5,922.0

Nov 11, 20   Nov 26, 20   Dec 11, 20   Dec 26, 20   Jan 10, 21
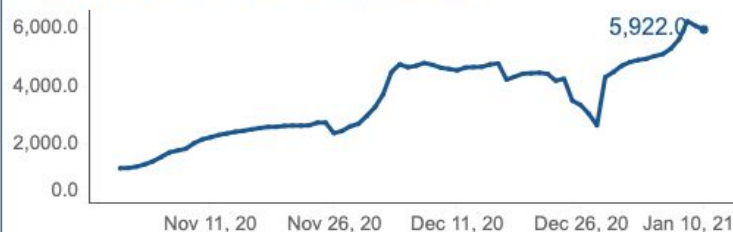
The lowest observed value was 156.7 on 7/4/2020.

Testing

7-day weighted average percent positivity

7.51%

Nov 11, 20   Nov 26, 20   Dec 11, 20   Dec 26, 20   Jan 10, 21
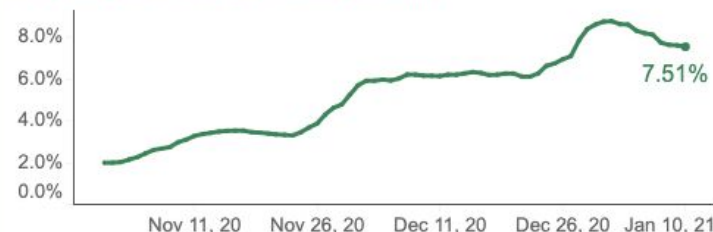
The lowest observed value was 0.8% on 9/21/2020.

Hospitalizations

7-day average of hospitalizations

2,325.9

Nov 11, 20   Nov 26, 20   Dec 11, 20   Dec 26, 20   Jan 10, 21
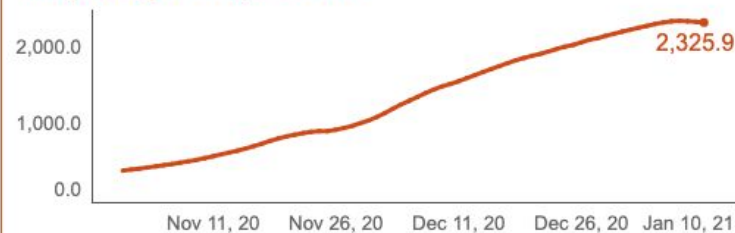
The lowest observed value was 155.3 on 8/26/2020.

Deaths

7-day average of confirmed deaths

73.4

Nov 11, 20   Nov 26, 20   Dec 11, 20   Dec 26, 20   Jan 10, 21
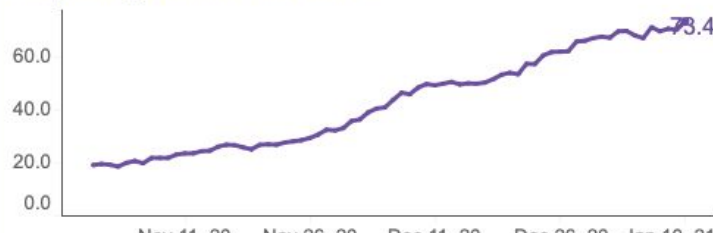
The lowest observed value was 3.7 on 9/9/2020.

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.

Number of Molecular Tests

Repeat molecular tests, new molecular tests, and the 7-day average total
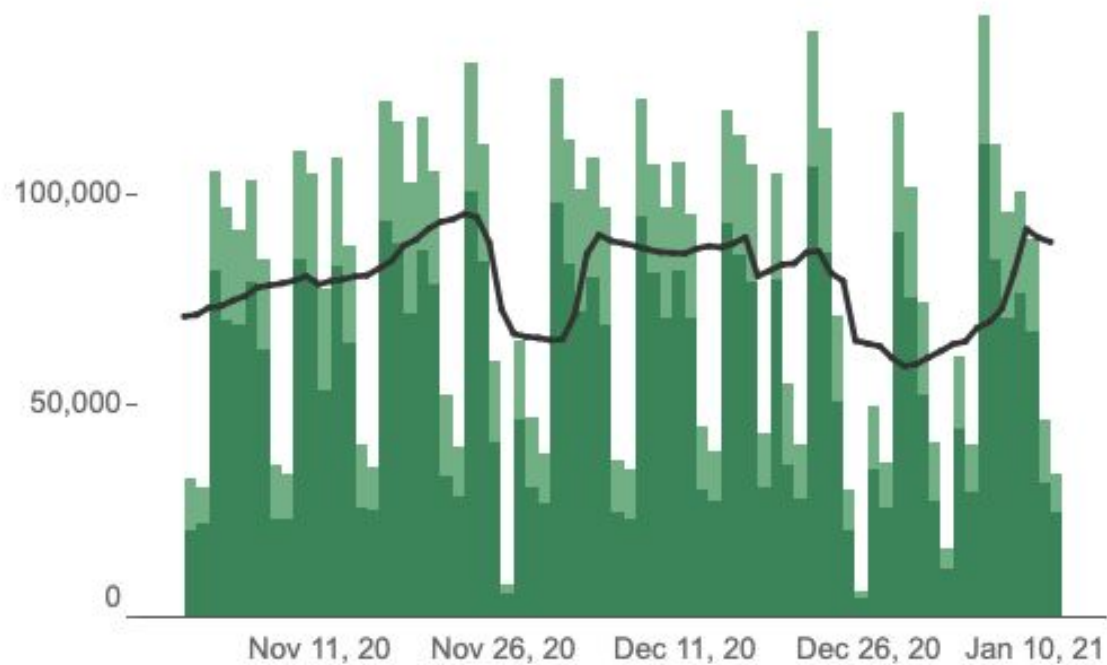
Percent positivity for **all of Massachusetts**, for MA without higher education institutions, and for higher education institutions on their own
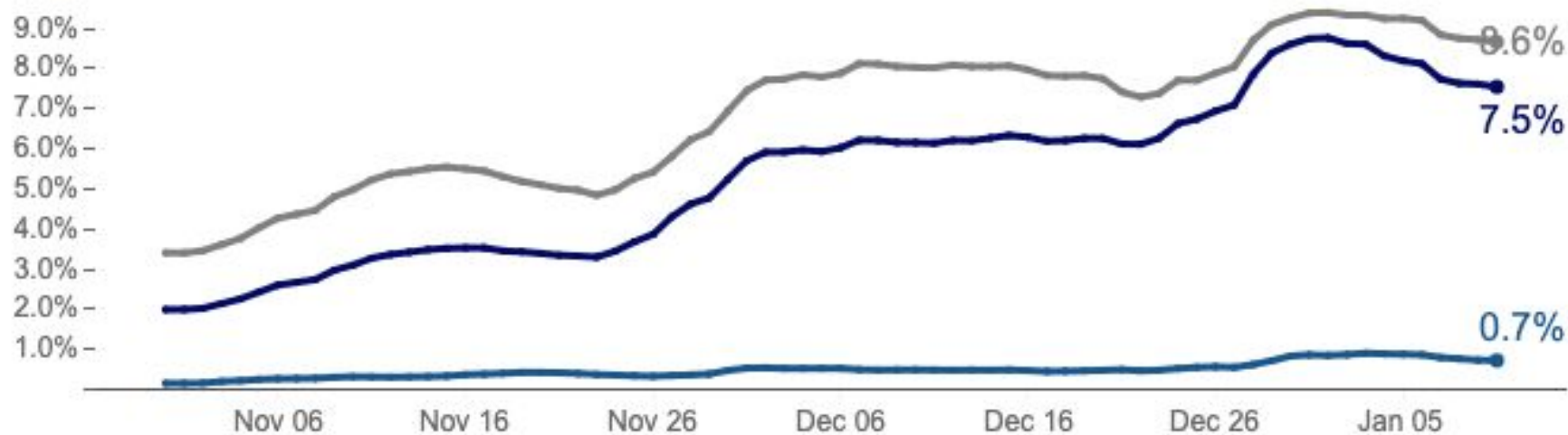
Confirmed Cases
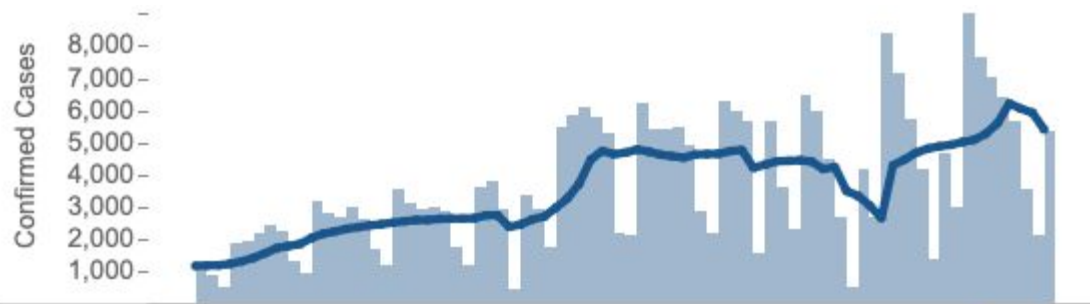
Incidence Rate

The 14-day, statewide incidence rate is 78.00 per 100,000 Massachusetts residents.

Cases by age during the last two weeks
*Data updated weekly

Age Group	Cases
0-19 Years	14,178
20-29 Years	13,838
30-39 Years	11,983
40-49 Years	10,362
50-59 Years	11,195
60-69 Years	7,657
70-79 Years	3,871
80+ Years	2,910
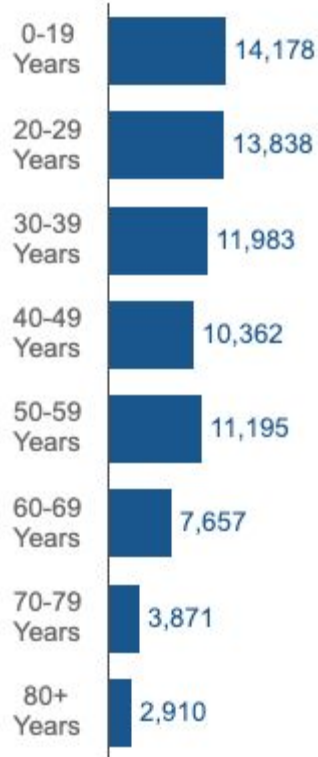
Test Positivity by Age Group

Legend: 0-19, 20-29, 30-39, 40-49, 50-59, 60-69, 70-79, 80+
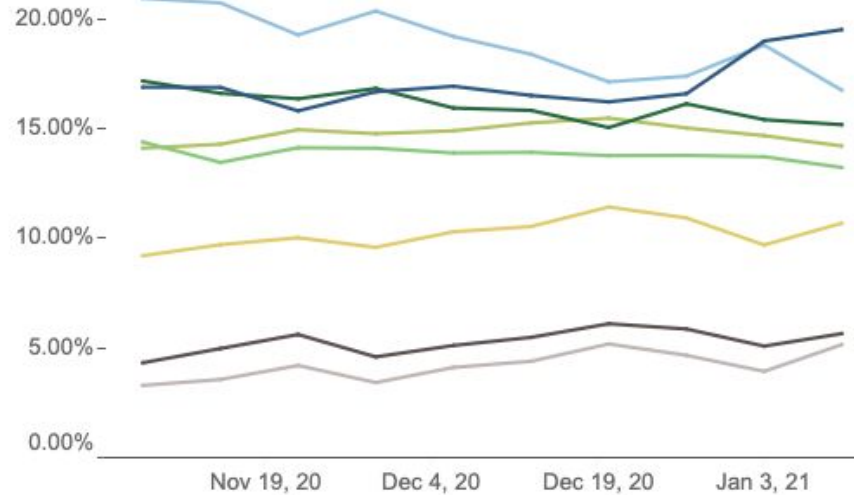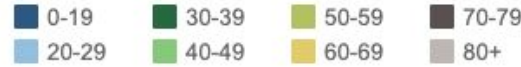
0-19 = 19.46%

20-29 = 16.70%

30-39 = 15.13%

40-49 = 13.18%

50-59 = 14.16%

60-69 = 10.64%

70-79 = 5.61%

80+ = 5.11%

Littleton Data

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 Cases in 14-Day Period

	8/15/20	8/22/20	8/29/20	9/5/20	9/12/20	9/19/20	9/26/20	10/3/20	10/10/20	10/17/20	10/24/20	10/31/20	11/7/20	11/14/20	11/21/20	11/28/20	12/5/20	12/12/20	12/19/20	12/26/20	1/2/21	1/9/21
Littleton	1	0	1	3	3	4	6	9	11	9	12	19	13	16	27	28	52	58	39	39	45	69
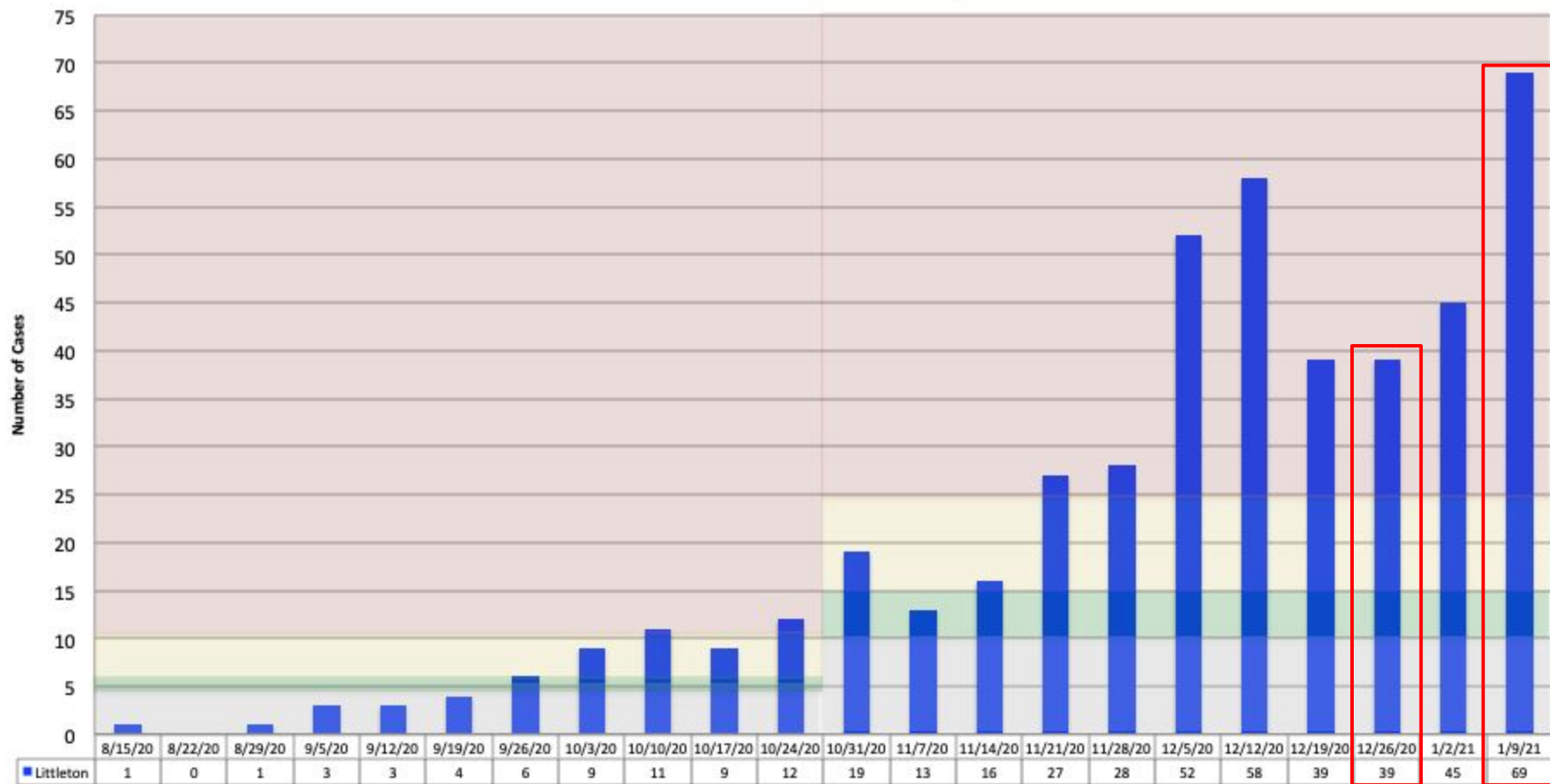
Average Daily Incidence Rate per 100,000 for Past 14 Days

	9/12/20	9/19/20	9/26/20	10/3/20	10/10/20	10/17/20	10/24/20	10/31/20	11/7/20	11/14/20	11/21/20	11/28/20	12/5/20	12/12/20	12/19/20	12/26/20	1/2/21	1/9/21
MA State	4.6	4.9	5.7	7.3	8.7	9.2	11.8	15.3	20.7	29.4	34.9	35.7	50.0	65.1	63.2	58.3	61.1	78.0
Middlesex	4.2	4.6	5.1	5.1	8.2	8.5	9.6	12.0	16.7	25.6	32.1	33.4	46.1	58.9	57.8	52.0	52.6	65.8
Route 495 Belt	3.4	4.2	5.2	6.9	8.6	8.1	10.1	13.7	19.5	31.1	39.5	38.8	52.9	68.8	64.8	55.4	57.3	70.2
Surrounding	2.0	2.8	3.2	3.7	5.0	5.7	6.0	6.7	10.4	21.3	31.0	27.9	37.3	43.7	39.9	39.3	38.8	47.2
Border	1.3	2.6	3.4	3.5	4.8	4.4	4.2	5.1	6.7	11.7	17.8	20.8	28.8	33.1	35.2	36.9	34.6	39.8
Littleton	2.2	2.9	4.4	6.6	8.1	6.6	8.8	13.9	9.5	11.7	19.8	20.5	38.1	42.5	28.6	28.6	32.9	50.5

Littleton: Rate 50.5 per 100k (80% higher than 2 weeks ago)

Total Test Positivity

|	9/12/20	9/19/20	9/26/20	10/3/20	10/10/20	10/17/20	10/24/20	10/31/20	11/7/20	11/14/20	11/21/20	11/28/20	12/5/20	12/12/20	12/19/20	12/26/20	1/2/21	1/9/21
MA State	0.9%	0.9%	0.9%	1.0%	1.2%	1.2%	1.55%	1.84%	2.29%	3.02%	3.32%	3.73%	5.25%	6.01%	6.14%	6.51%	7.71%	7.99%
Middlesex	0.7%	0.7%	0.7%	0.8%	1.0%	1.0%	1.13%	1.29%	1.65%	2.37%	2.68%	2.96%	4.12%	4.72%	4.92%	5.15%	6.15%	6.26%
Route 495 Belt	1.0%	1.2%	1.3%	1.6%	1.7%	1.7%	2.07%	2.34%	3.05%	4.53%	5.26%	5.38%	6.87%	7.82%	7.57%	7.04%	7.64%	7.74%
Surrounding	0.6%	0.7%	0.8%	0.9%	1.0%	1.3%	1.39%	1.32%	1.85%	3.40%	4.38%	4.14%	5.57%	6.00%	5.62%	5.79%	6.21%	6.09%
Border	0.5%	0.6%	0.8%	0.7%	0.9%	1.0%	1.00%	0.99%	1.19%	2.00%	2.65%	3.17%	4.52%	4.89%	5.16%	5.48%	5.55%	5.22%
Littleton	0.7%	0.8%	0.9%	1.3%	1.4%	1.6%	2.34%	2.60%	1.70%	2.08%	2.98%	3.04%	5.52%	4.86%	3.39%	3.68%	4.24%	5.76%

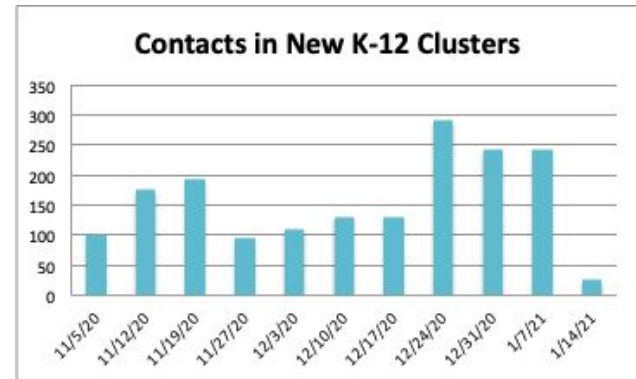**Littleton: 1285 tests (stable)   Test positivity 5.76% (2.08% higher than 2 weeks ago)**
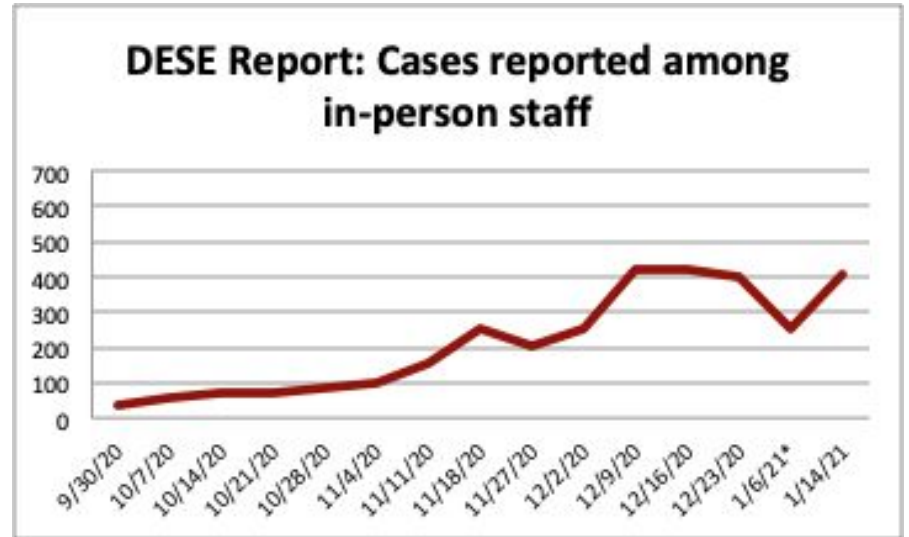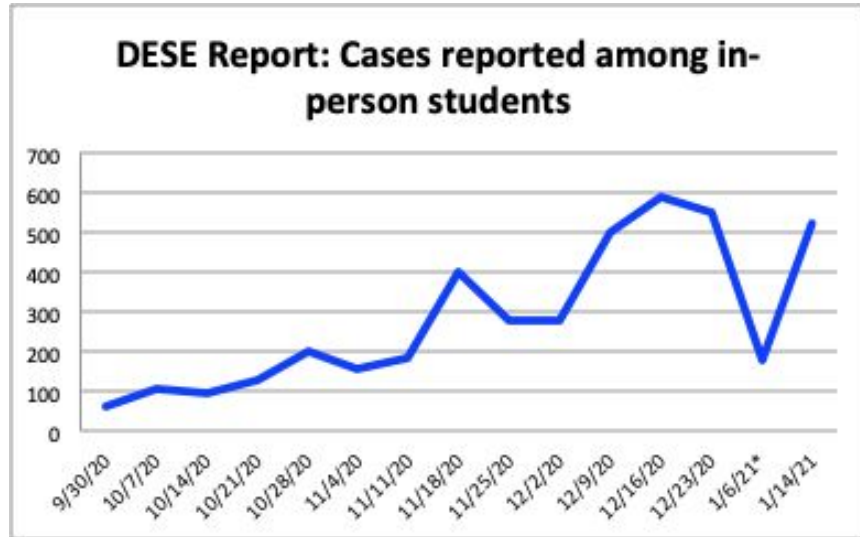
School Data

MA DPH Data K-12 Clusters
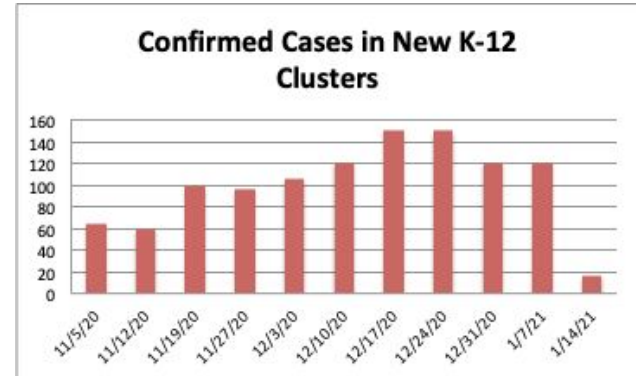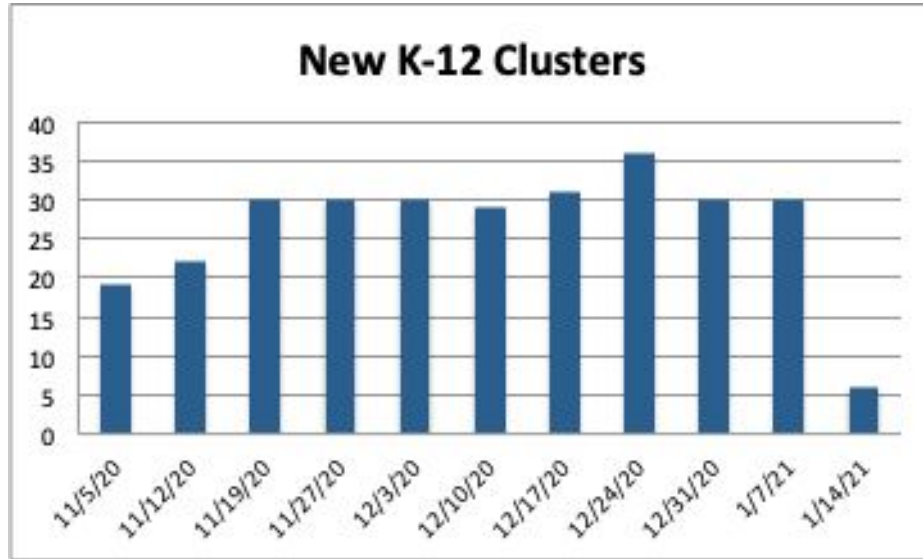
Average Cases per Cluster = 2.7

Average Cases per Cluster = 4.2

DESE Positive Cases in MA Schools

LPS Health Notification Letters

Town rates increased 20.5 to 42.5 (doubled)

Town rates increased 32.9 to ?? (data not complete)

	9/21/20	9/28/20	10/5/20	10/12/20	10/19/20	10/26/20	11/2/20	11/9/20	11/16/20	11/23/20	11/30/20	12/7/20	12/14/20	12/21/20	12/28/20	1/4/21	1/11/21
■ Hybrid	0	0	0	0	2	0	0	2	0	0	5	5	3	0	2	3	4
■ Remote	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
■ Letter stated close contacts	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0
■ Class moved remote	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
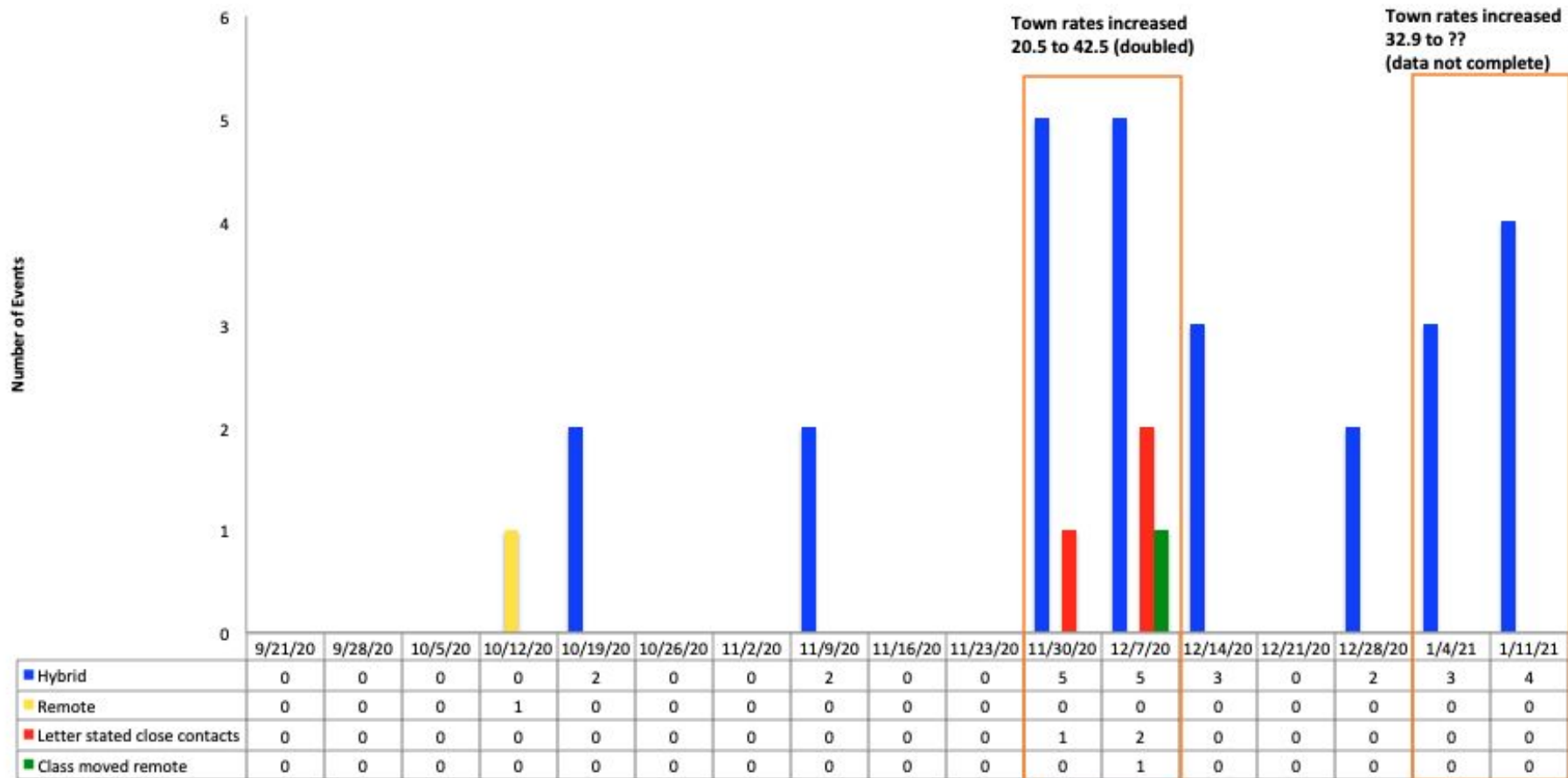
Multiple Layers Improve Success

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.

Personal responsibilities

Shared responsibilities

Physical distance, stay home if sick

Hand hygiene, cough etiquette

If crowded, limit your time

Ventilation, outdoors, air filtration

Quarantine and isolation

Masks

Avoid touching your face

Fast and sensitive testing and tracing

Government messaging and financial support

Vaccines