

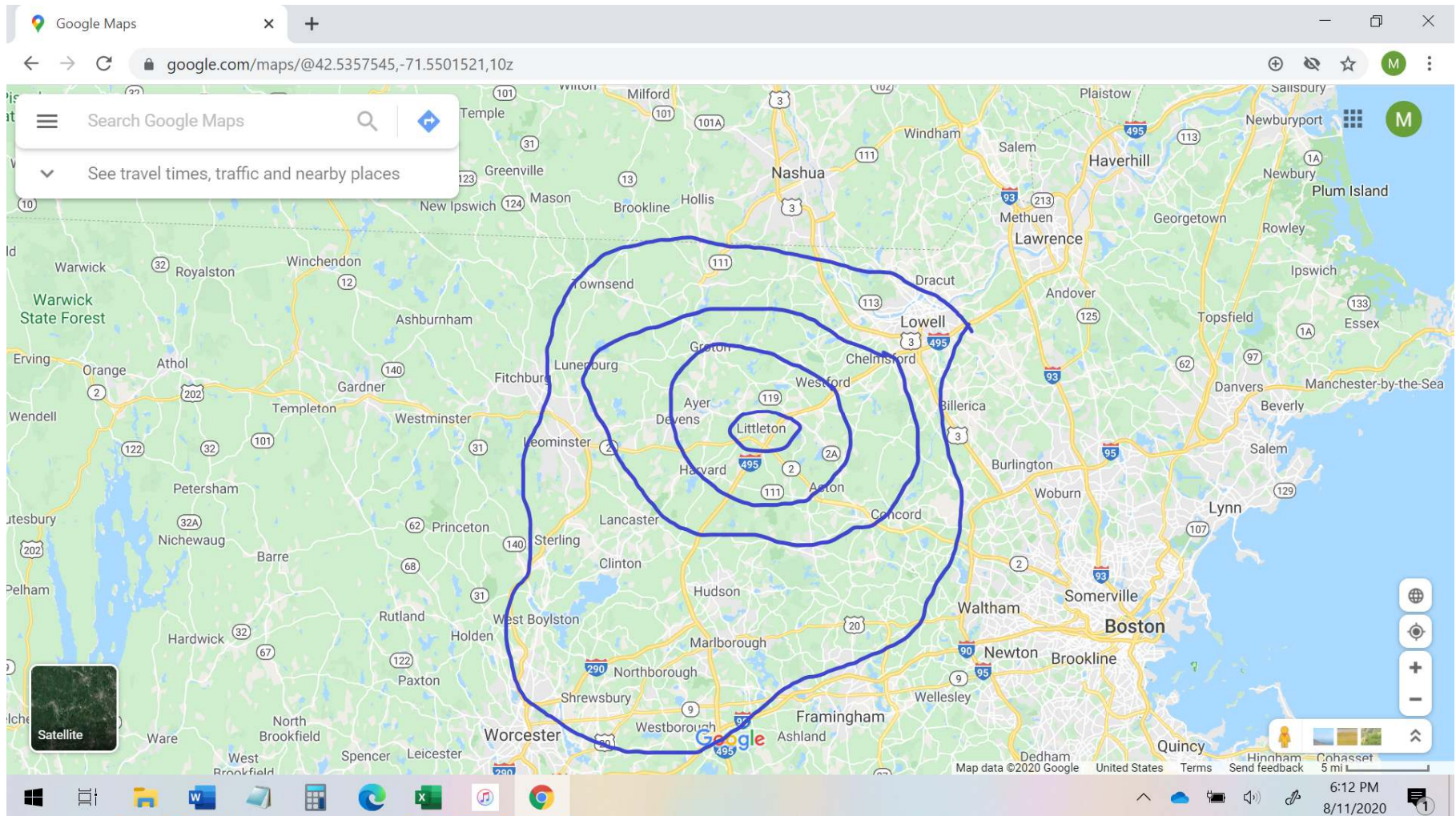
# Covid-19 Health Metrics

Littleton and Surrounding  
Communities

# Town Groupings Evaluated

- **Littleton**
- **Border Communities**
  - Littleton, plus Acton, Ayer, Boxborough, Groton, Harvard, and Westford
- **Contiguous Communities**
  - Border Communities, plus Bolton, Carlisle, Chelmsford, Concord, Dunstable, Lancaster, Lunenburg, Maynard, Pepperell, Shirley, Stow
- **495 Belt**
  - Contiguous Communities, plus Ashby, Bedford, Berlin, Boylston, Clinton, Hudson, Leominster, Lincoln, Lowell, Marlborough, Northborough, Shrewsbury, Southborough, Sterling, Sudbury, Townsend, Tyngsboro, Wayland, West Boylston, Westborough, Weston
- **Middlesex County**
- **Commonwealth of Massachusetts**

# Town Groupings Evaluated



# Thresholds

DESE Thresholds Average Cases Per Day per 100,000

- <4 Cases Per Day: GREEN
- Between 4 and 8 Cases Per Day: YELLOW
- >8 Cases Per Day: RED

Harvard Global Health Institute

Testing Positivity Threshold

<3%

City/Town	Population	Total Cases (Last 14 Days)	Average Cases per Day (Last 14 Days)	Rate of Average Daily Cases per 100,000 Residents (Last 14 Days)	Average Cases Per Day Compared to 4 Cases Per 100,00 (DESE Green Threshold)	Total Tested (Last 14 days)	Total Positive Tests (Last 14 days)	Percent Positivity (Last 14 Days)
Littleton	10,227	9	0.64	6.61	65.37%	705	9	1.28%
Acton	23,662	8	0.57	2.41	-39.80%	1,515	11	0.73%
Ayer	8,196	2	0.14	1.77	-55.80%	679	2	0.29%
Boxborough	5,793	3	0.21	4.20	4.89%	332	3	0.90%
Groton	11,325	5	0.36	3.07	-23.33%	1,236	5	0.40%
Harvard	6,620	2	0.14	2.06	-48.44%	384	2	0.52%
Westford	24,817	15	1.07	4.32	8.04%	1,462	15	1.03%
<b>Border Communities Total</b>	<b>90,640</b>	<b>44</b>	<b>3.14</b>	<b>3.47</b>	<b>-13.31%</b>	<b>6,313</b>	<b>47</b>	<b>0.74%</b>
Bolton	5,426	1	0.07	1.41	-64.66%	400	1	0.25%
Carlisle	5,252	3	0.21	4.49	12.34%	330	4	1.21%
Chelmsford	35,391	44	3.14	8.93	123.33%	2,348	52	2.21%
Concord	18,918	4	0.29	1.53	-61.85%	1,761	4	0.23%
Dunstable	3,403	0	0.00	0.00	-100.00%	161	0	0.00%
Lancaster	8,082	2	0.14	1.67	-58.32%	445	2	0.45%
Lunenburg	11,736	1	0.07	0.69	-82.84%	553	1	0.18%
Maynard	11,336	4	0.29	2.74	-31.55%	707	4	0.57%
Pepperrell	12,114	4	0.29	2.33	-41.84%	572	4	0.70%
Shirley	7,636	1	0.07	0.85	-78.81%	402	2	0.50%
Stow	7,234	3	0.21	2.97	-25.70%	487	3	0.62%
<b>Contiguous Communities+ Total</b>	<b>217,168</b>	<b>111</b>	<b>7.93</b>	<b>3.65</b>	<b>-8.73%</b>	<b>14,479</b>	<b>124</b>	<b>0.86%</b>
<b>Route 495 Belt Totals</b>	<b>642,573</b>	<b>612</b>	<b>43.71</b>	<b>6.80</b>	<b>70.08%</b>	<b>46,058</b>	<b>721</b>	<b>1.57%</b>
<b>Middlesex County</b>	<b>1,634,150</b>	<b>1162</b>	<b>83.00</b>	<b>6.70</b>	<b>67.50%</b>	<b>213,374</b>	<b>1,746</b>	<b>0.82%</b>
<b>Commonwealth of MA Totals</b>	<b>6,894,522</b>	<b>7,166</b>	<b>511.86</b>	<b>7.30</b>	<b>82.50%</b>	<b>817,884</b>	<b>8,471</b>	<b>1.04%</b>

Data from October 7, 2020 MA weekly DPH report

City/Town	Population	Total Cases (Last 14 Days)	Average Cases per Day (Last 14 Days)	Rate of Average Daily Cases per 100,000 Residents (Last 14 Days)	Average Cases Per Day Compared to 4 Cases Per 100,00 (DESE Green Threshold)	Total Tested (Last 14 days)	Total Positive Tests (Last 14 days)	Percent Positivity (Last 14 Days)
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Acton	23,662	8	0.57	2.41	-39.80%	1,515	11	0.73%
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<b>Contiguous Communities+ Total</b>	<b>217,168</b>	<b>111</b>	<b>7.93</b>	<b>3.65</b>	<b>-8.73%</b>	<b>14,479</b>	<b>124</b>	<b>0.86%</b>
Ashby	3,219	0	0.00	0.00	-100.00%	139	0	0.00%
Bedford	14,123	12	0.86	6.23	55.84%	1,016	13	1.28%
Berlin	3,240	2	0.14	4.47	11.84%	178	2	1.12%
Boylston	4,712	0	0.00	0.00	-100.00%	320	0	0.00%
Clinton	14,000	14	1.00	7.10	77.62%	798	18	2.26%
Hudson	19,864	30	2.14	10.91	172.80%	1,262	37	2.93%
Leominster	41,716	24	1.71	4.05	1.18%	2,259	25	1.11%
Lincoln	7,052	2	0.14	2.48	-38.09%	425	3	0.71%
Lowell	110,997	253	18.07	16.26	306.47%	8,322	297	3.57%
Marlborough	39,597	67	4.79	12.00	200.09%	3,372	92	2.73%
Northborough	15,109	11	0.79	5.22	30.43%	1,160	13	1.12%
Shrewsbury	38,526	30	2.14	5.62	40.50%	3,127	33	1.06%
Southborough	10,208	19	1.36	13.22	230.60%	1,665	21	1.26%
Sterling	8,174	2	0.14	1.81	-54.64%	608	2	0.33%
Sudbury	19,655	5	0.36	1.99	-50.13%	1,289	5	0.39%
Townsend	9,506	2	0.14	1.56	-60.96%	445	2	0.45%
Tyngsboro	12,527	10	0.71	5.96	48.92%	720	14	1.94%
Wayland	13,835	3	0.21	1.61	-59.67%	1,171	4	0.34%
West Boylston	8,077	2	0.14	1.82	-54.51%	524	2	0.38%
Westborough	19,144	9	0.64	3.41	-14.71%	1,536	10	0.65%
Weston	12,124	4	0.29	2.58	-35.61%	1,243	4	0.32%
<b>Route 495 Belt Totals</b>	<b>642,573</b>	<b>612</b>	<b>43.71</b>	<b>6.80</b>	<b>70.08%</b>	<b>46,058</b>	<b>721</b>	<b>1.57%</b>
<b>Middlesex County</b>	<b>1,634,150</b>	<b>1162</b>	<b>83.00</b>	<b>6.70</b>	<b>67.50%</b>	<b>213,374</b>	<b>1,746</b>	<b>0.82%</b>
<b>Commonwealth of MA Totals</b>	<b>6,894,522</b>	<b>7,166</b>	<b>511.86</b>	<b>7.30</b>	<b>82.50%</b>	<b>817,884</b>	<b>8,471</b>	<b>1.04%</b>

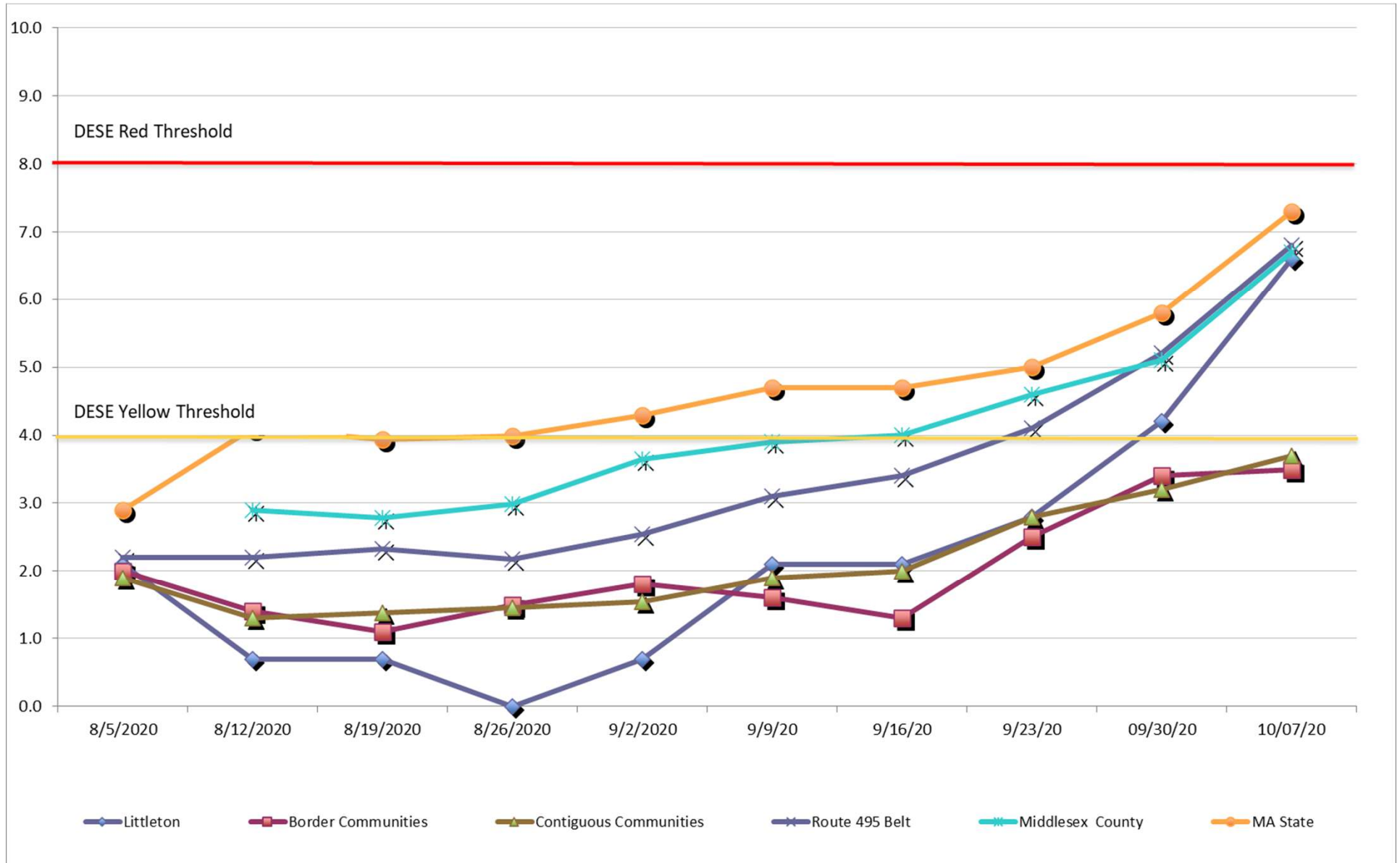
# Average Daily Cases

	Average Daily Cases per 100,000 (past 14 days)	DESE Threshold
Littleton	6.61	Yellow
Border Communities	3.47	Green
Continuous Communities	3.65	Green
Route 495 Community Belt	6.80	Yellow
Middlesex County	6.70	Yellow
MA State	7.30	Yellow

Data from October 7, 2020 MA weekly DPH report



# Trend: Average Daily Cases per 100,000



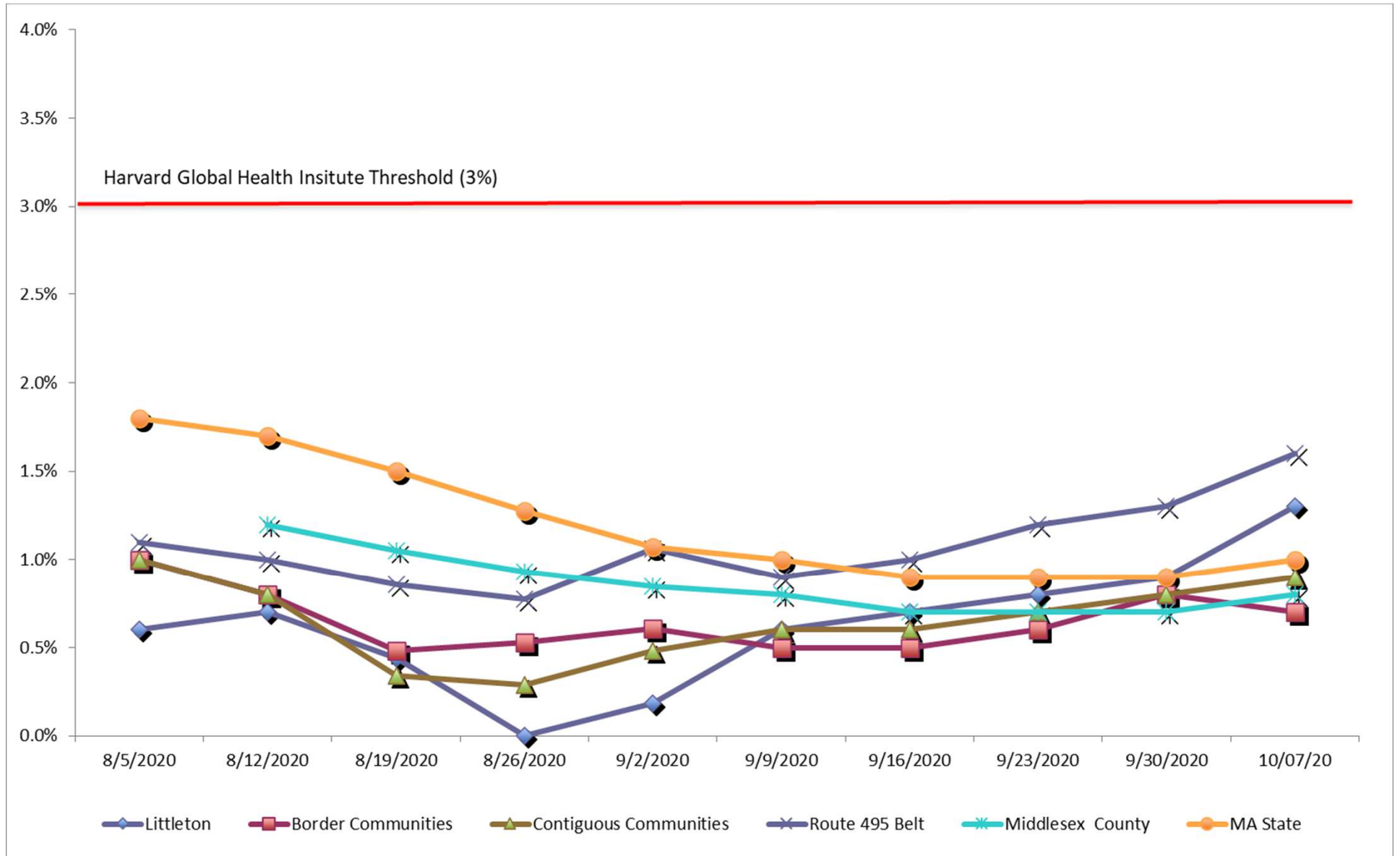


# Percent Positivity

	Total Molecular Tests (last 14 days)	Percent Positivity	3% Positivity Threshold
Littleton	705	1.28%	<3%
Border Communities	6,313	0.74%	<3%
Continuous Communities	14,479	0.86%	<3%
Route 495 Community Belt	46,058	1.57%	<3%
Middlesex County	213,374	0.82%	<3%
MA State	817,884	1.04%	<3%

Data from October 7, 2020 MA weekly DPH report

# Trend: Test Positivity



# Heath Metrics Summary

- Data as of October 7, 2020 report
- Average Daily Case Rates for our local area range from 3.4 to 6.6 per 100k
  - Littleton is **yellow**
    - 9 cases in the last 14 days
    - Average daily cases per 100k population = 6.6
    - Percent testing positivity in last 14 days = 1.28%
    - Rates and testing continue to trend higher
  - Border and Surrounding Communities are **green**
    - Rates are trending higher (3.4 – 3.7), testing (0.74 - 0.86%) is stable
- 495 Belt is **yellow**
  - Rate (6.9 per 100k) and testing positivity (1.55%) are trending higher
- Middlesex County is **yellow**
  - Rates are higher (5.1), but test positivity (0.82%) is stable
- MA State is **yellow**
  - Rates are higher (5.7), but test positivity (1.04%) is stable