

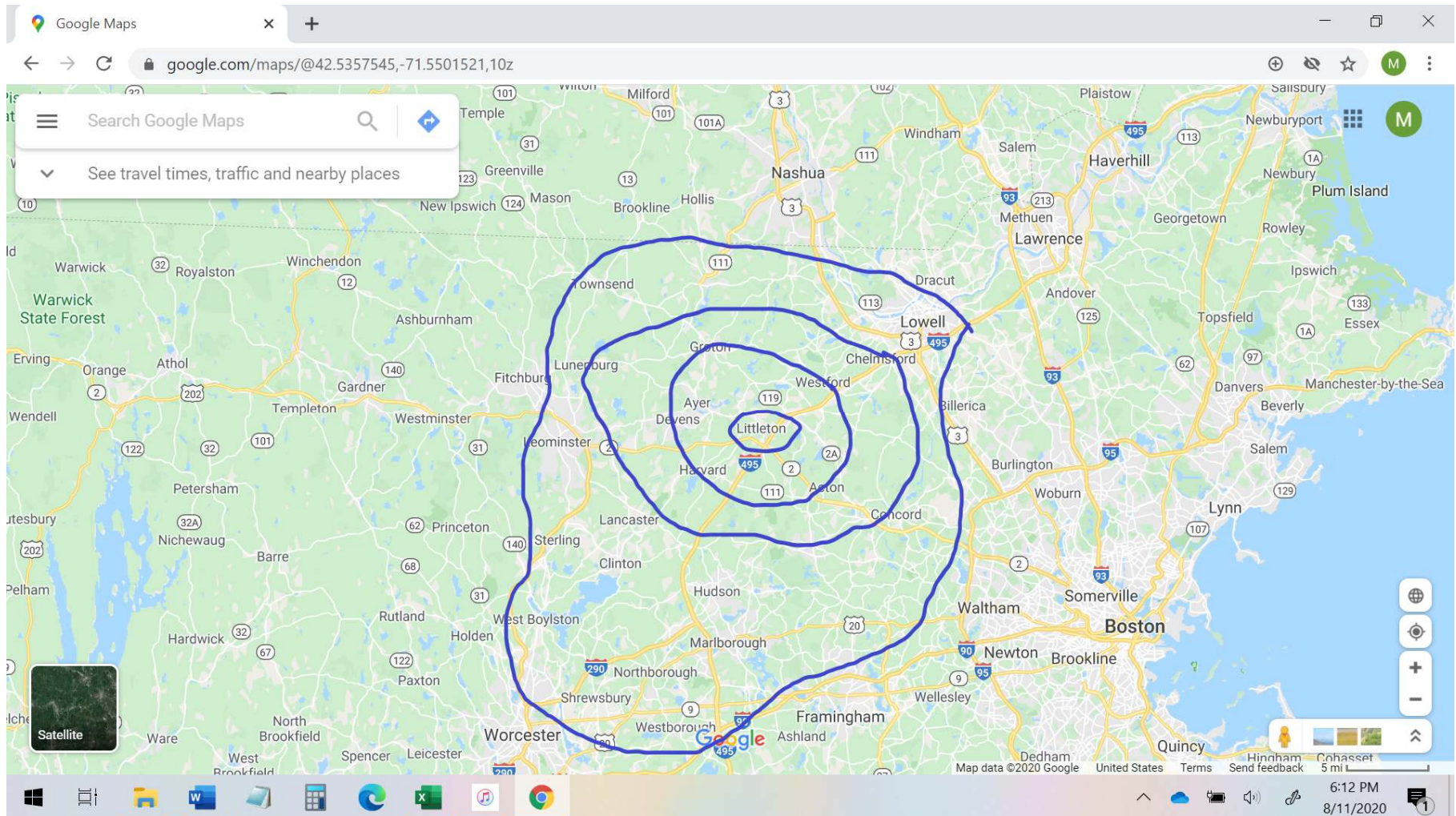
# Covid-19 Health Metrics

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	3	0.21	2.10	-47.62%	524	3	0.57%
Acton	23,662	5	0.36	1.51	-62.27%	1,295	7	0.54%
Ayer	8,196	0	0.00	0.00	-100.00%	530	0	0.00%
Boxborough	5,793	0	0.00	0.00	-100.00%	231	0	0.00%
Groton	11,325	1	0.07	0.63	-84.23%	734	2	0.27%
Harvard	6,620	1	0.07	1.08	-73.03%	298	1	0.34%
Westford	24,817	10	0.71	2.88	-28.04%	1,159	13	1.12%
<b>Contiguous Communities Total</b>	<b>90,640</b>	<b>20</b>	<b>1.43</b>	<b>1.58</b>	<b>-60.60%</b>	<b>4,771</b>	<b>26</b>	<b>0.54%</b>
Bolton	5,426	0	0.00	0.00	-100.00%	331	0	0.00%
Carlisle	5,252	0	0.00	0.00	-100.00%	266	0	0.00%
Chelmsford	35,391	23	1.64	4.64	16.05%	1,607	24	1.49%
Concord	18,918	2	0.14	0.76	-81.12%	1,330	4	0.30%
Dunstable	3,403	0	0.00	0.00	-100.00%	144	0	0.00%
Lancaster	8,082	4	0.29	3.54	-11.62%	370	4	1.08%
Lunenburg	11,736	3	0.21	1.83	-54.35%	450	2	0.44%
Maynard	11,336	2	0.14	1.26	-68.49%	553	2	0.36%
Pepperrell	12,114	2	0.14	1.18	-70.52%	477	3	0.63%
Shirley	7,636	2	0.14	1.87	-53.23%	275	2	0.73%
Stow	7,234	1	0.07	0.99	-75.31%	465	1	0.22%
<b>Contiguous Communities+ Total</b>	<b>217,168</b>	<b>59</b>	<b>4.21</b>	<b>1.94</b>	<b>-51.49%</b>	<b>11,039</b>	<b>68</b>	<b>0.62%</b>
<b>Route 495 Belt Totals</b>	<b>642,573</b>	<b>276</b>	<b>19.71</b>	<b>3.07</b>	<b>-23.30%</b>	<b>33,771</b>	<b>316</b>	<b>0.94%</b>
<b>Middlesex County</b>	<b>1,634,150</b>	<b>900</b>	<b>64.29</b>	<b>3.93</b>	<b>-1.65%</b>	<b>137,114</b>	<b>1,051</b>	<b>0.77%</b>
<b>Commonwealth of MA Totals</b>	<b>6,894,522</b>	<b>4,507</b>	<b>321.93</b>	<b>4.67</b>	<b>16.73%</b>	<b>567,709</b>	<b>5,508</b>	<b>0.97%</b>

Data from September 9, 2020 MA weekly DPH report

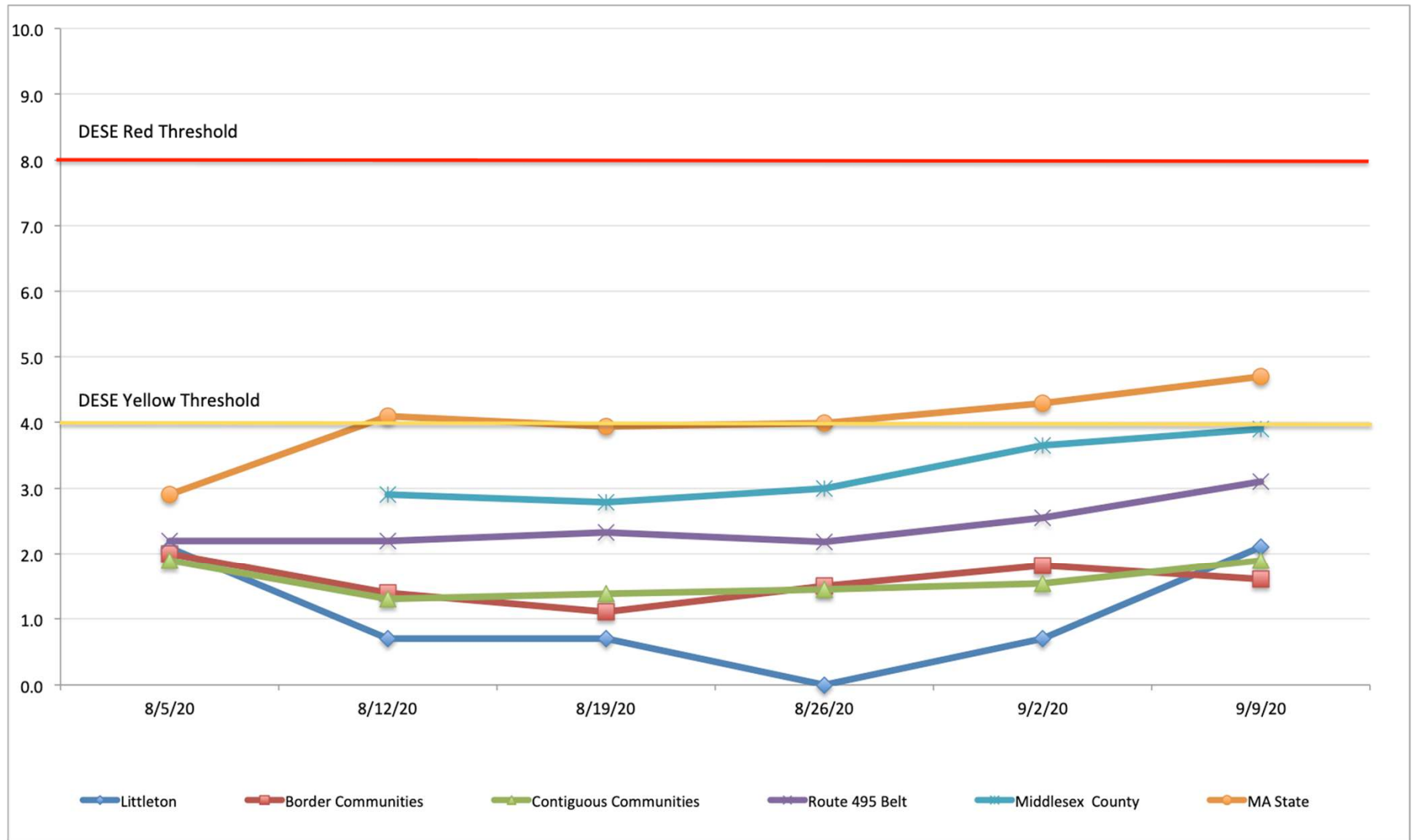
City/Town	Population	Total Cases (Last 14 Days)	Average Cases per Day (Last 14 Days)	Rate of Average Daily Cases per 100,000 Residents (Last 14 Days)	Average Cases Per Day Compared to 4 Cases Per 100,00 (DESE Green Threshold)	Total Tested (Last 14 days)	Total Positive Tests (Last 14 days)	Percent Positivity (Last 14 Days)
Littleton	10,227	3	0.21	2.10	-47.62%	524	3	0.57%
Acton	23,662	5	0.36	1.51	-62.27%	1,295	7	0.54%
Ayer	8,196	0	0.00	0.00	-100.00%	530	0	0.00%
Boxborough	5,793	0	0.00	0.00	-100.00%	231	0	0.00%
Groton	11,325	1	0.07	0.63	-84.23%	734	2	0.27%
Harvard	6,620	1	0.07	1.08	-73.03%	298	1	0.34%
Westford	24,817	10	0.71	2.88	-28.04%	1,159	13	1.12%
<b>Contiguous Communities Total</b>	<b>90,640</b>	<b>20</b>	<b>1.43</b>	<b>1.58</b>	<b>-60.60%</b>	<b>4,771</b>	<b>26</b>	<b>0.54%</b>
<b>Bolton</b>	5,426	0	0.00	0.00	-100.00%	331	0	0.00%
<b>Carlisle</b>	5,252	0	0.00	0.00	-100.00%	266	0	0.00%
<b>Chelmsford</b>	35,391	23	1.64	4.64	16.05%	1,607	24	1.49%
<b>Concord</b>	18,918	2	0.14	0.76	-81.12%	1,330	4	0.30%
<b>Dunstable</b>	3,403	0	0.00	0.00	-100.00%	144	0	0.00%
<b>Lancaster</b>	8,082	4	0.29	3.54	-11.62%	370	4	1.08%
<b>Lunenburg</b>	11,736	3	0.21	1.83	-54.35%	450	2	0.44%
<b>Maynard</b>	11,336	2	0.14	1.26	-68.49%	553	2	0.36%
<b>Pepperrell</b>	12,114	2	0.14	1.18	-70.52%	477	3	0.63%
<b>Shirley</b>	7,636	2	0.14	1.87	-53.23%	275	2	0.73%
<b>Stow</b>	7,234	1	0.07	0.99	-75.31%	465	1	0.22%
<b>Contiguous Communities+ Total</b>	<b>217,168</b>	<b>59</b>	<b>4.21</b>	<b>1.94</b>	<b>-51.49%</b>	<b>11,039</b>	<b>68</b>	<b>0.62%</b>
<b>Ashby</b>	3,219	0	0.00	0.00	-100.00%	116	1	0.86%
<b>Bedford</b>	14,123	5	0.36	2.53	-36.78%	772	7	0.91%
<b>Berlin</b>	3,240	0	0.00	0.00	-100.00%	147	0	0.00%
<b>Boylston</b>	4,712	0	0.00	0.00	-100.00%	272	0	0.00%
<b>Clinton</b>	14,000	10	0.71	5.10	27.55%	619	10	1.62%
<b>Hudson</b>	19,864	13	0.93	4.67	16.87%	940	14	1.49%
<b>Leominster</b>	41,716	15	1.07	2.57	-35.79%	1,942	18	0.93%
<b>Lincoln</b>	7,052	1	0.07	1.01	-74.68%	331	1	0.30%
<b>Lowell</b>	110,997	97	6.93	6.24	56.05%	6,263	109	1.74%
<b>Marlborough</b>	39,597	26	1.86	4.69	17.25%	2,009	30	1.49%
<b>Northborough</b>	15,109	5	0.36	2.36	-40.91%	770	5	0.65%
<b>Shrewsbury</b>	38,526	9	0.64	1.67	-58.28%	2,331	9	0.39%
<b>Southborough</b>	10,208	1	0.07	0.70	-82.51%	543	2	0.37%
<b>Sterling</b>	8,174	0	0.00	0.00	-100.00%	494	1	0.20%
<b>Sudbury</b>	19,655	5	0.36	1.82	-54.57%	974	5	0.51%
<b>Townsend</b>	9,506	3	0.21	2.25	-43.64%	385	4	1.04%
<b>Tyngsboro</b>	12,527	8	0.57	4.56	14.04%	505	10	1.98%
<b>Wayland</b>	13,835	1	0.07	0.52	-87.09%	811	1	0.12%
<b>West Boylston</b>	8,077	1	0.07	0.88	-77.89%	397	1	0.25%
<b>Westborough</b>	19,144	11	0.79	4.10	2.61%	1,124	12	1.07%
<b>Weston</b>	12,124	6	0.43	3.53	-11.63%	987	8	0.81%
<b>Route 495 Belt Totals</b>	<b>642,573</b>	<b>276</b>	<b>19.71</b>	<b>3.07</b>	<b>-23.30%</b>	<b>33,771</b>	<b>316</b>	<b>0.94%</b>
<b>Middlesex County</b>	<b>1,634,150</b>	<b>900</b>	<b>64.29</b>	<b>3.93</b>	<b>-1.65%</b>	<b>137,114</b>	<b>1,051</b>	<b>0.77%</b>
<b>Commonwealth of MA Totals</b>	<b>6,894,522</b>	<b>4,507</b>	<b>321.93</b>	<b>4.67</b>	<b>16.73%</b>	<b>567,709</b>	<b>5,508</b>	<b>0.97%</b>

# Average Daily Cases

	Average Daily Cases per 100,000 (past 14 days)	DESE Threshold
Littleton	2.1	Green
Border Communities	1.6	Green
Continuous Communities	1.9	Green
Route 495 Community Belt	3.1	Green
Middlesex County	3.9	Green
MA State	4.7	Yellow

Data from September 9, 2020 MA weekly DPH report

# Trend: Average Daily Cases per 100,000



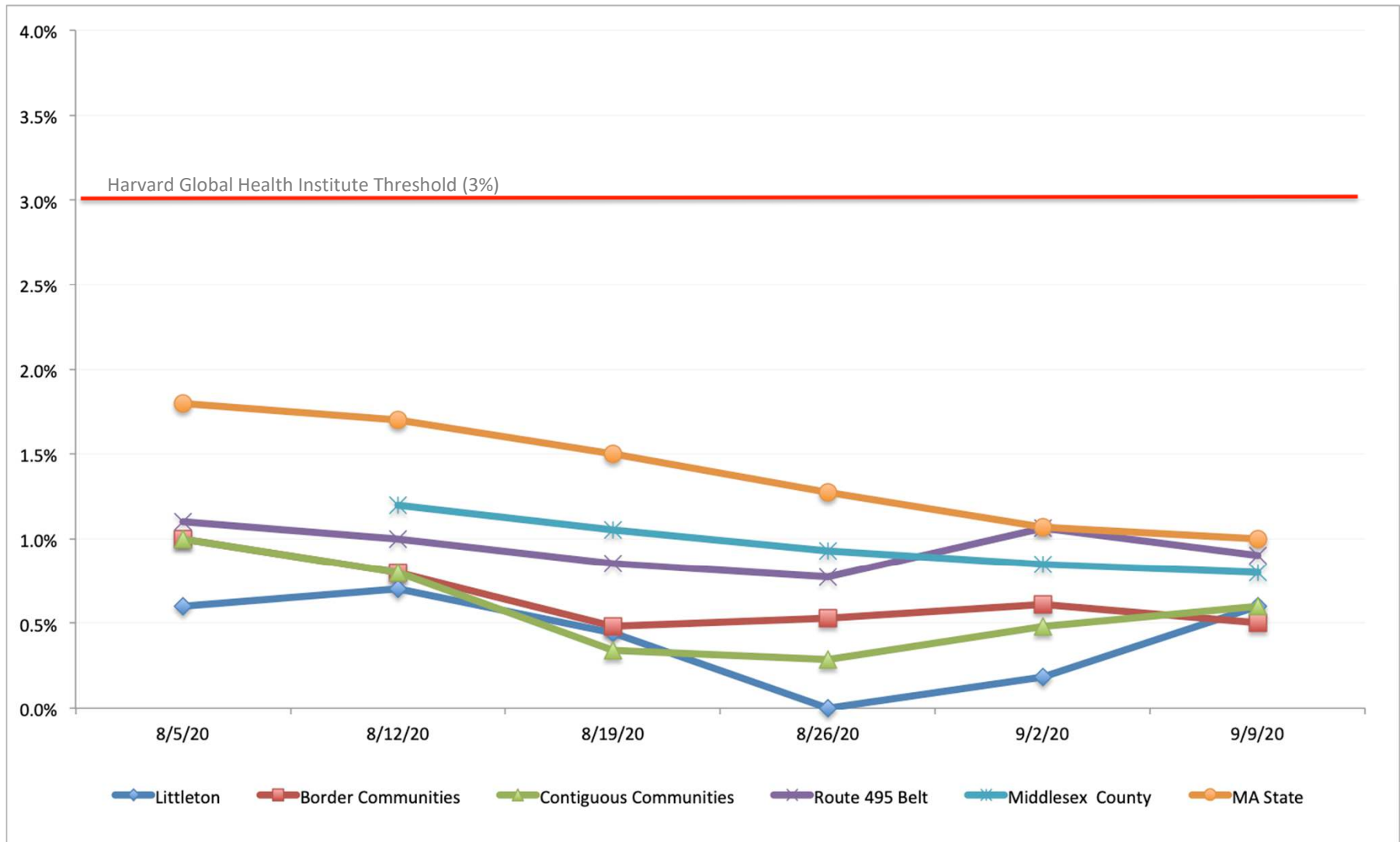


# Percent Positivity

	Total Molecular Tests (last 14 days)	Percent Positivity	3% Positivity Threshold
Littleton	524	0.6%	<3%
Border Communities	5,264	0.5%	<3%
Continuous Communities	11,039	0.6%	<3%
Route 495 Community Belt	33,771	0.9%	<3%
Middlesex County	137,114	0.8%	<3%
MA State	567,709	1.0%	<3%

Data from September 9, 2020 MA weekly DPH report

# Trend: Test Positivity



# Heath Metrics Summary

- Data as of September 9, 2020 report
- Littleton is **Green**
  - 3 cases in the last 14 days
  - Average daily cases per 100k population = 2.1
  - Percent positivity in last 14 days = 0.6%
  - Rates and Testing are trending higher compared to the 8/26 report, but remain well below thresholds
- Border and Surrounding Communities are **Green**
  - Rates range 1.6 to 3.1 per 100k population
  - Rates are higher, but testing is stable
- Middlesex County is **Green**, but approaching yellow
  - Rates are higher, but testing positivity is stable
- MA State is **Yellow**
  - Rates are higher, but test positivity is stable