



TOWN OF ANDOVER

Town Offices
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COVID-19 DATA REVIEW

April 16, 2021

Data from Weekly Covid-19 Dashboard 4/15/2021

Community	Total Case Count	Case Count (Last 14 Days)	Avg. Daily Incident Rate per 100,000 (last 14 days)	Relative Change in Case Counts	Total Tests	Total Test (last 14 days)	Total Positive Tests (last 14 days)	% Positivity (Last 14 Days)	Change in Percent Positivity
Andover	2642	165	32.7	Higher	93103	4455	194	4.35%	Higher
Haverhill	7725	284	30.8	Higher	145655	7072	319	4.51%	Higher
Lawrence	19229	569	46.3	Higher	213480	9798	705	7.20%	Higher
Lynnfield	1165	48	29.6	Higher	30681	1576	55	3.49%	Higher
Methuen	7185	262	34.8	Higher	117314	5377	308	5.73%	Higher
N. Andover	2859	134	31.6	Higher	166153	16388	152	0.93%	Lower
N. Reading	1362	67	28.7	Higher	36805	1912	75	3.92%	Higher
Reading	2010	71	18.3	Lower	58763	3142	79	2.51%	Lower
Tewksbury	3159	156	36.1	Higher	80311	4332	171	3.95%	Higher
Wilmington	2115	88	25.7	Higher	45259	2487	93	3.74%	Higher

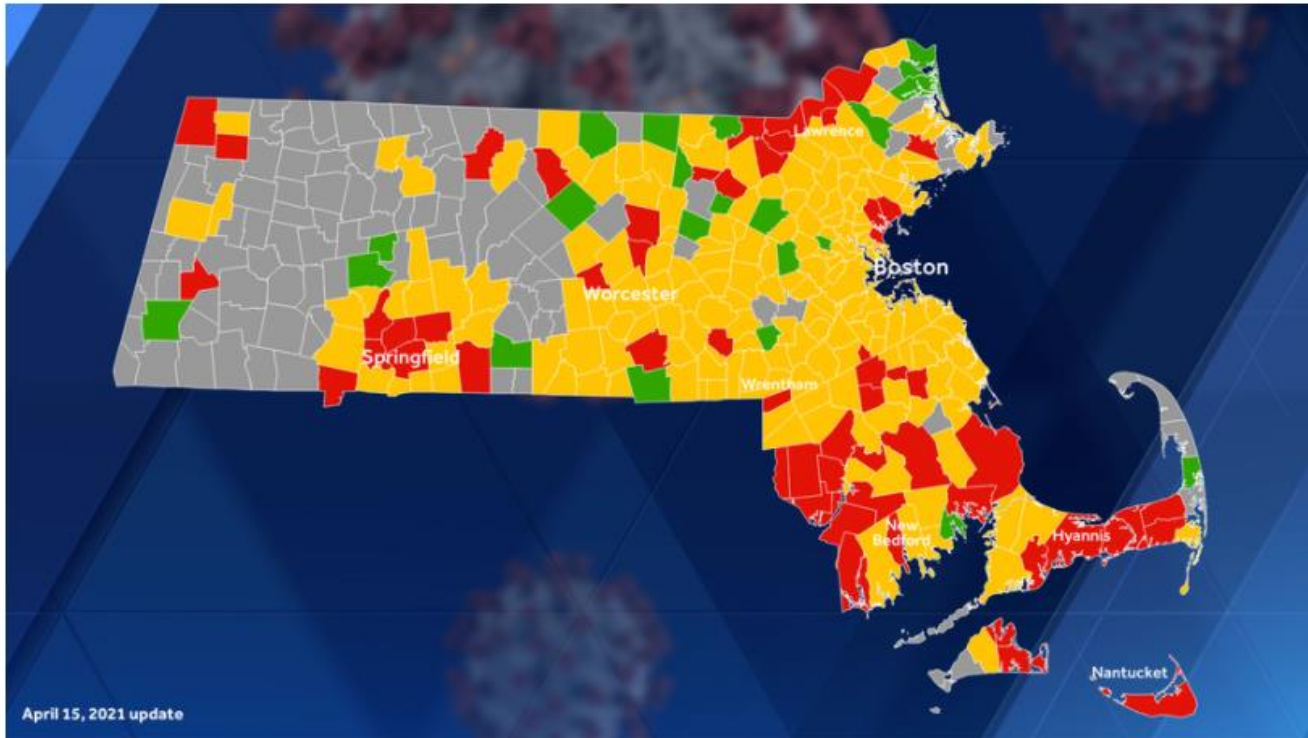
Andover Weekly Data

Date	Total Case Count	Case Count (Last 14 Days)	Avg. Daily Incident Rate per 100,000 (last 14 days)	Relative Change in Case Counts	Total Tests	Total Test (last 14 days)	Total Positive Tests (last 14 days)	% Positivity (Last 14 Days)	Change in Percent Positivity
3/11/2021	2298	74	14.7	Lower	81288	5191	87	1.68%	Lower
3/18/2021	2355	85	16.8	Higher	83699	4662	95	2.04%	Higher
3/25/2021	2409	110	21.8	Higher	86062	4434	119	2.68%	Higher
4/1/2021	2478	118	23.4	Higher	88491	4464	133	2.98%	Higher
4/8/2021	2570	136	26.9	Higher	90847	4499	161	3.58%	Higher
4/15/2021	2642	165	32.7	Higher	93103	4455	194	4.35%	Higher
State 4/15/2021	624666	26717	27.4	Lower	20045384	1219299	30290	2.48%	No Change

This table contains state-wide data & is intended to provide the reader with background on what type of cluster events are being noted (3/21/2021 to 4/10/2021).

Exposure Setting	New Clusters Clusters	New Clusters Confirmed Cases	New Clusters Close Contacts
24/7 Congregate Settings	1	2	1
Child Care	99	336	458
Colleges & Universities	21	163	61
Corrections	0	0	0
Hospitals	4	11	3
Household	8,427	21,649	---
Industrial Settings	5	20	15
K-12 Schools	22	95	120
Long Term Care Facilities	45	142	---
Offices	6	19	10
Organized Athletics & Camps	31	136	322
Other	2	9	9
Other Food Establishments	5	27	6
Other Healthcare	0	0	0
Other Workplaces	3	9	1
Places of Worship	2	11	0
Recreation/Cultural	3	10	9
Restaurants & Food Courts	19	85	17
Retail & Services	10	50	55
Senior Living	4	10	0
Shelters	0	0	0
Social Gatherings	15	90	40
Travel & Lodging	2	15	13
Total	8,726	22,889	1,140

This map is from <https://www.wcvb.com/article/massachusetts-coronavirus-covid-19-community-spread-risk-map-color-coded/33646711> on 4/16/2021.

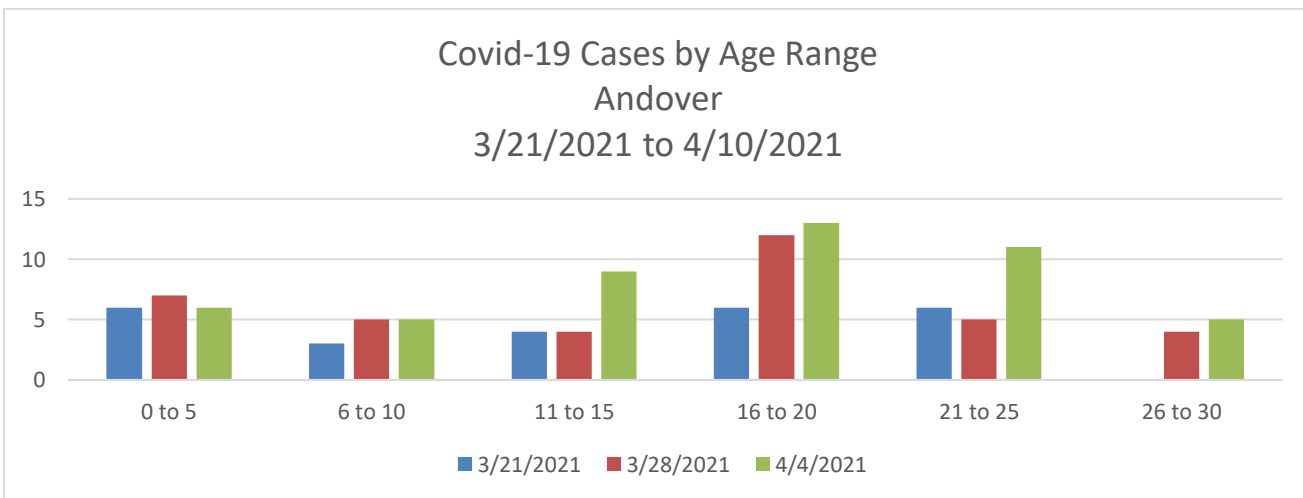
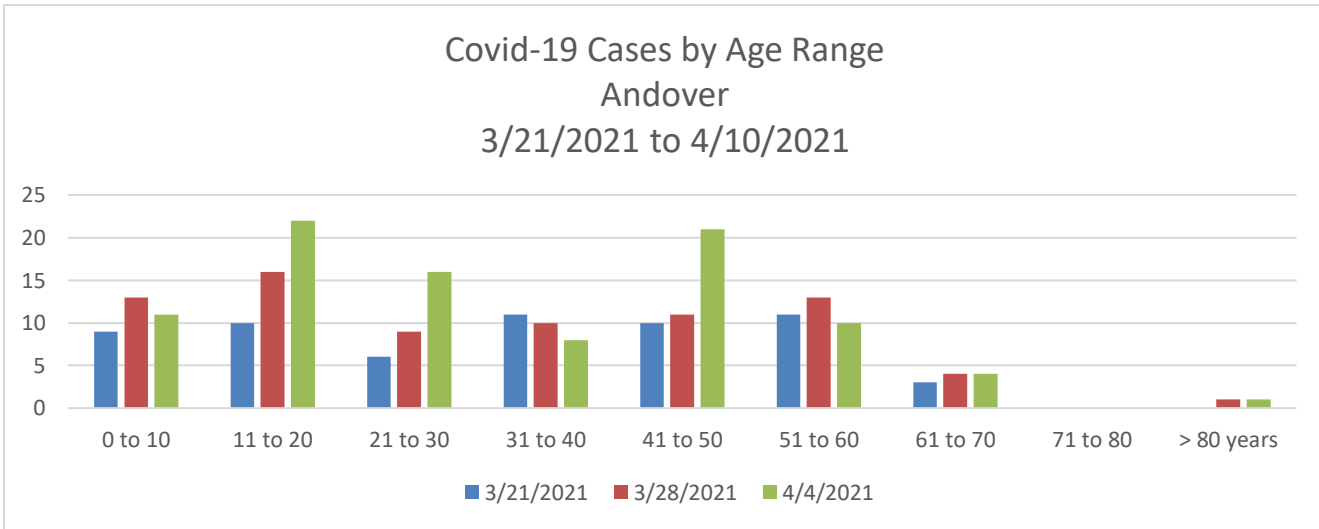
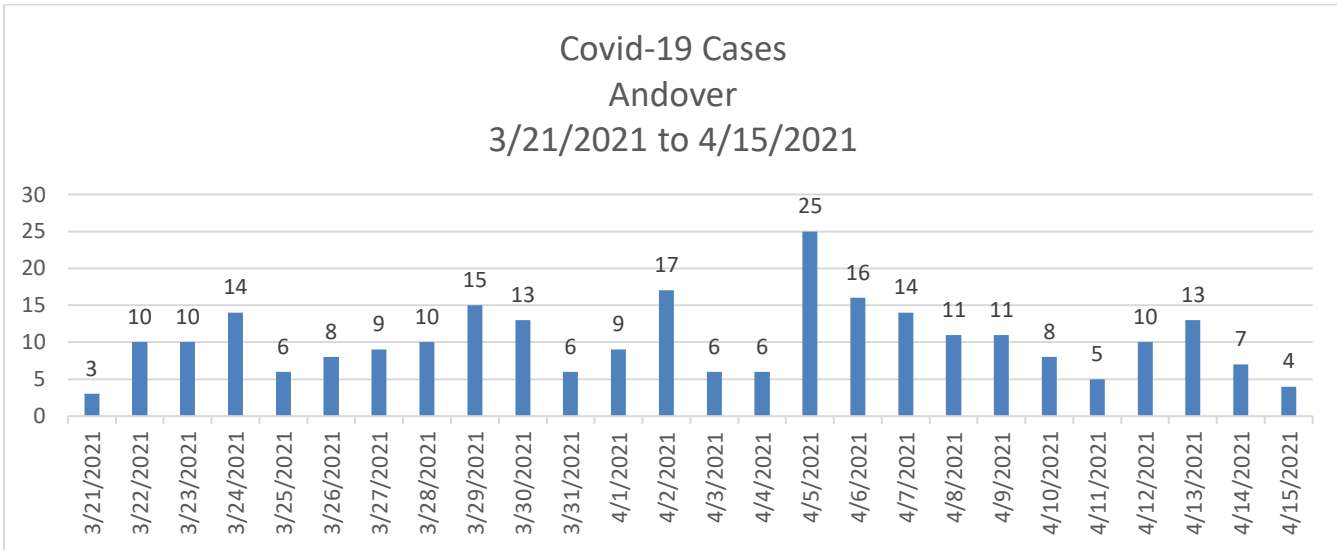


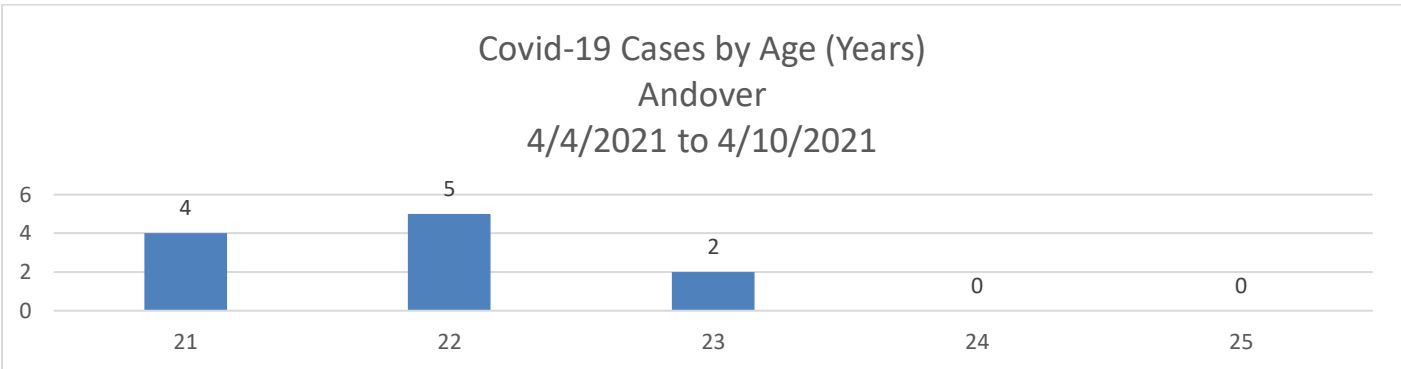
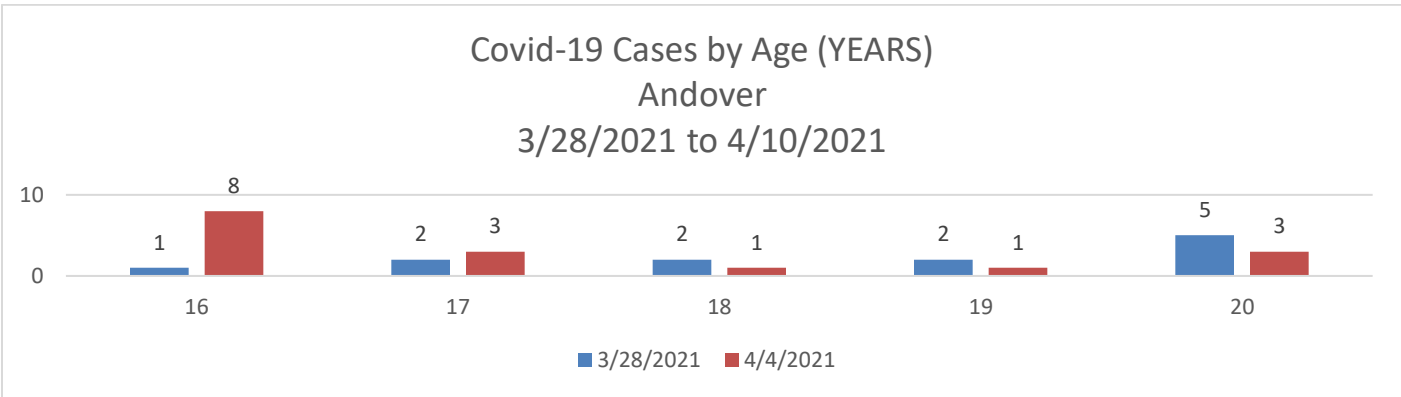
april 15, 2021 covid-19 risk map, based on ranking from dph SOURCE: WCVB

Observations:

- The % positivity rate for Andover and North Andover is skewed; all Merrimack College testing is credited to North Andover, while any positive cases in the Andover dorms are transferred to Andover without the benefit of those negative tests to lower our % positivity rate.
- With the exception of Reading, all communities in the region experienced an increase in standardized case counts.
- State-wide, we are seeing a large increase in clusters around child care; here in Andover, we are aware of multiple clusters in the area that affect Andover residents.
- In looking at the state-wide map, we see more red communities in the Essex/Middlesex County area as compared to last week's map; there are fewer red communities around Springfield and in the Norfolk / Bristol County area.

The following data comes from a report run from MAVEN on 4/16/2021, for the period 3/21/2021 to 4/15/2021.





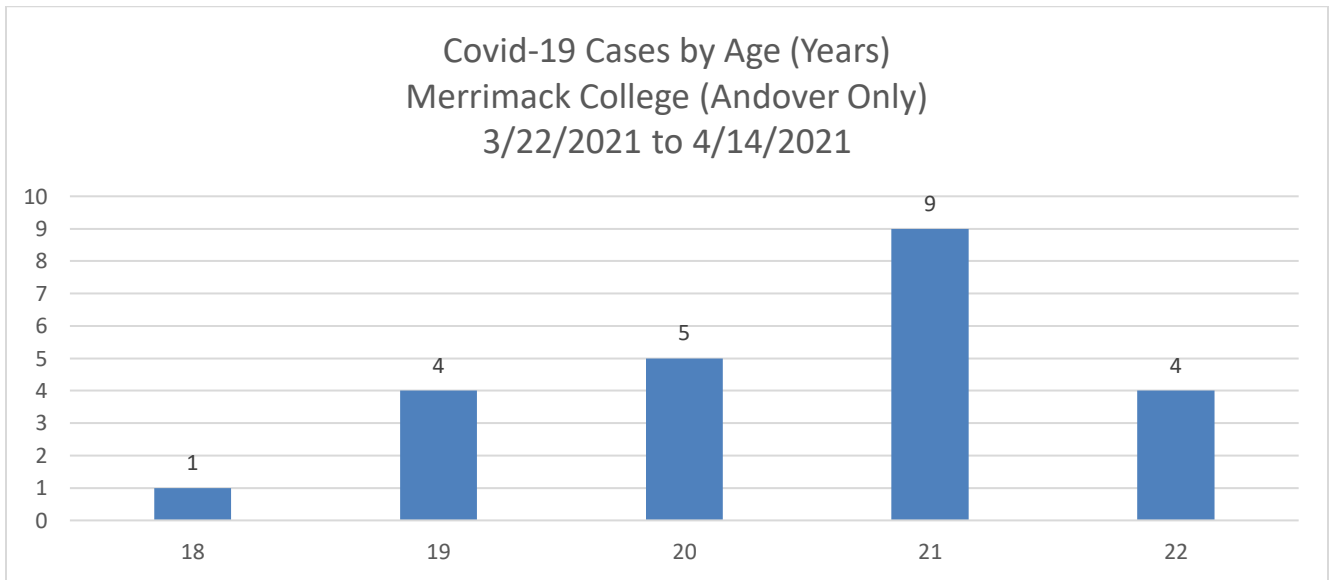
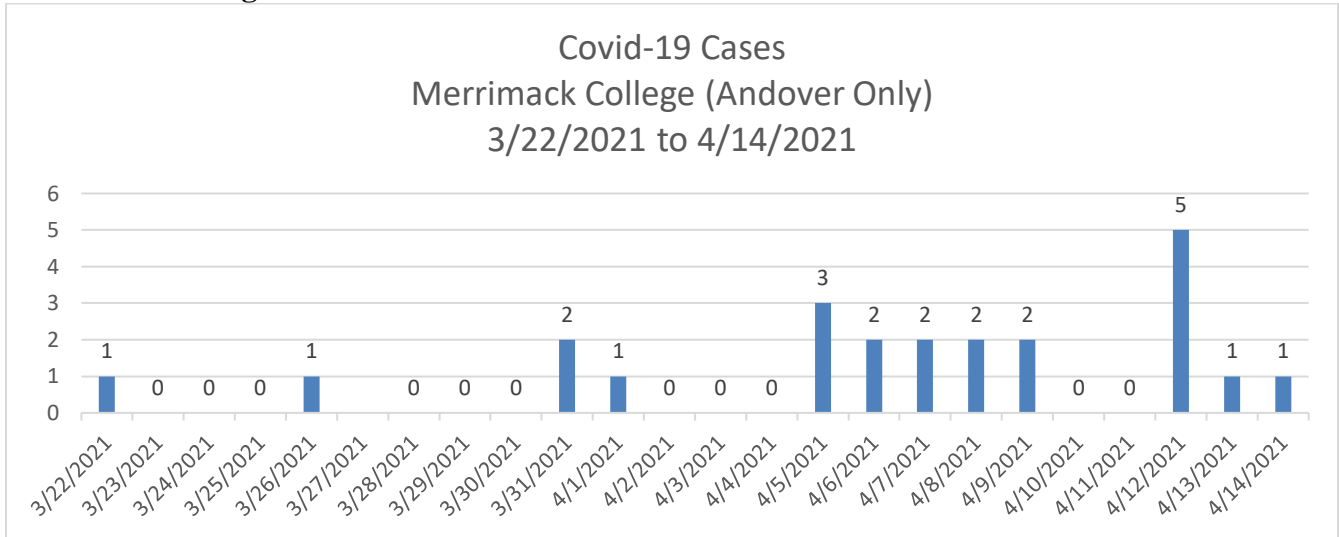
Age Range	3/21/2021	3/28/2021	4/4/2021
0 to 5	6	7	6
6 to 10	3	5	5
11 to 15	4	4	9
16 to 20	6	12	13
21 to 25	6	5	11
26 to 30	0	4	5

Age Range	3/21/2021	3/28/2021	4/4/2021
0 to 10	9	13	11
11 to 20	10	16	22
21 to 30	6	9	16
31 to 40	11	10	8
41 to 50	10	11	21
51 to 60	11	13	10
61 to 70	3	4	4
71 to 80	0	0	0
> 80 years	0	1	1

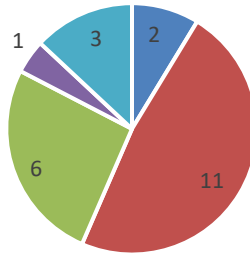
Observations:

- The spikes on 4/2/2021 and subsequent days may be tied to holiday gatherings; they spike 7 to 10 days following those religious holidays.
- From the data for 3/28/2021, 2 of the cases in age 20 years are Merrimack College Students.
- From the data for 4/4/2021, 4 of the 5 cases in ages 18 to 20 years are Merrimack College Students.
- From the data for 4/4/2021, 8 of the 11 cases in the age range 21 to 25 years are Merrimack College.
- In the period 3/21/2021 through 4/15/2021, there were 243 non-Merrimack College cases. 161 of these cases (66%) occurred in 59 households.

Merrimack College

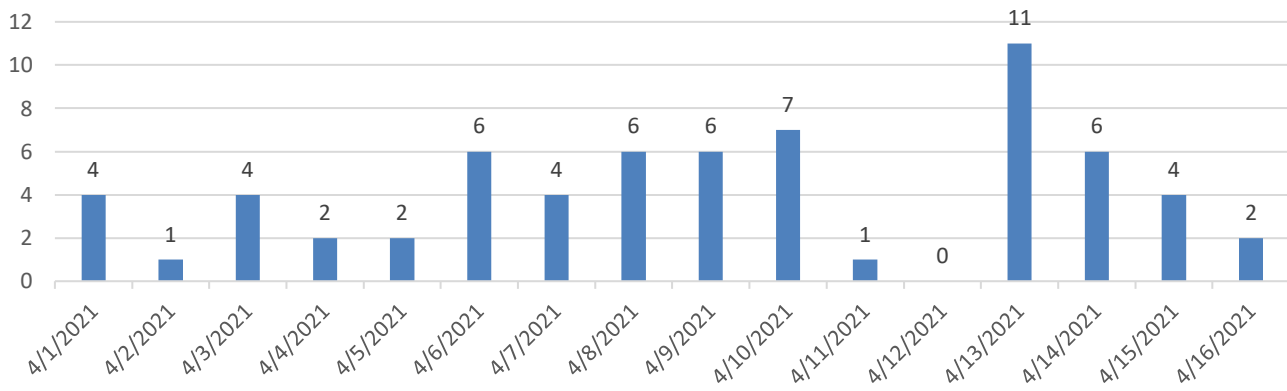


**Covid-19 Cases by Residential Area
Merrimack College (Andover Only)
3/22/2021 to 4/14/2021**

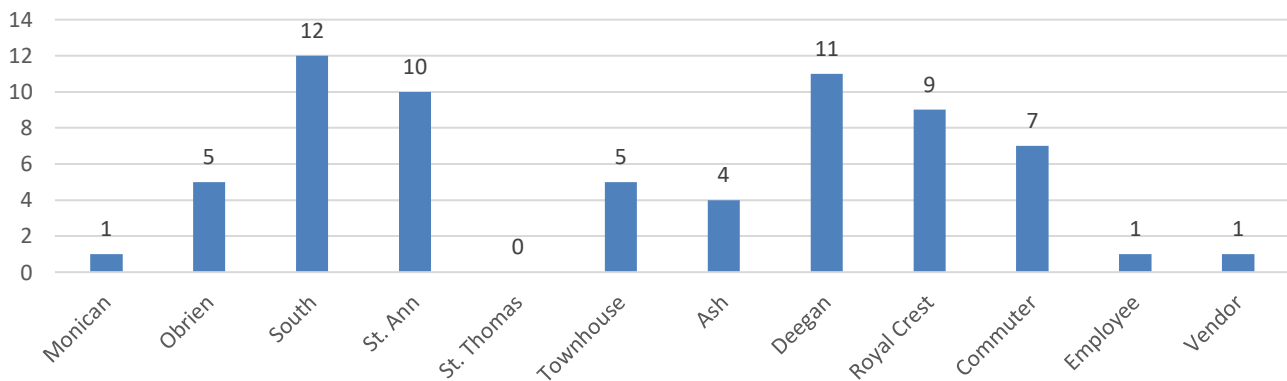


■ O'Brien ■ South Village ■ St. Ann ■ St. Thomas ■ Townhouses

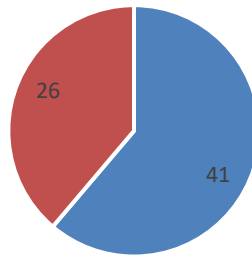
**Covid-19 Cases
Merrimack College
4/1/2021 to 4/14/2021**



**Covid-19 Cases by Residential Area
Merrimack College
4/1/2021 to 4/14/2021**



Covid-19 Cases by Gender
Merrimack College
4/1/2021 to 4/14/2021



■ Male ■ Female

Observations:

- 2 of the April cases at Merrimack College were reinfections; both were asymptomatic this time.
- It is evident that there was transmission within the South Village Residential Area.
- The Andover Only and full campus numbers may not reconcile, but they are close. Data is taken from both MAVEN and from school reports.