



TOWN OF ANDOVER

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COVID-19 DATA REVIEW November 9, 2020

Data from Weekly Covid-19 Dashboard 11/5/2020

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	490	57	11.3	Higher	29800	5314	64	1.20%	Higher
Haverhill	1916	143	15.5	Higher	48952	6392	179	2.80%	Higher
Lawrence	6405	767	62.4	Higher	75747	10262	1024	9.98%	Higher
Lynnfield	184	17	10.5	Lower	8396	1178	25	2.12%	Lower
Methuen	1744	207	27.5	Higher	37252	5483	261	4.76%	Higher
N. Andover	721	96	22.6	Higher	57457	10693	110	1.03%	Higher
N. Reading	272	27	11.6	Higher	10778	1779	30	1.69%	Higher
Reading	396	26	6.7	Higher	17170	2460	29	1.18%	No Change
Tewksbury	760	53	12.3	No Change	25477	3979	61	1.53%	No Change
Wilmington	453	44	12.8	Higher	13488	1922	49	2.55%	Higher

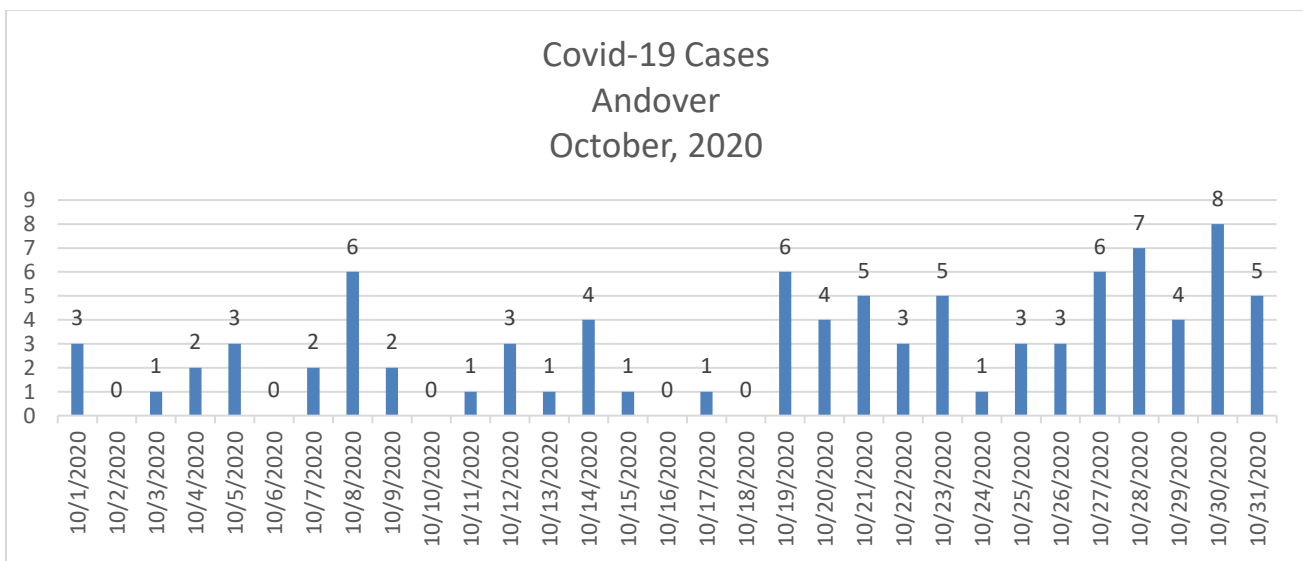
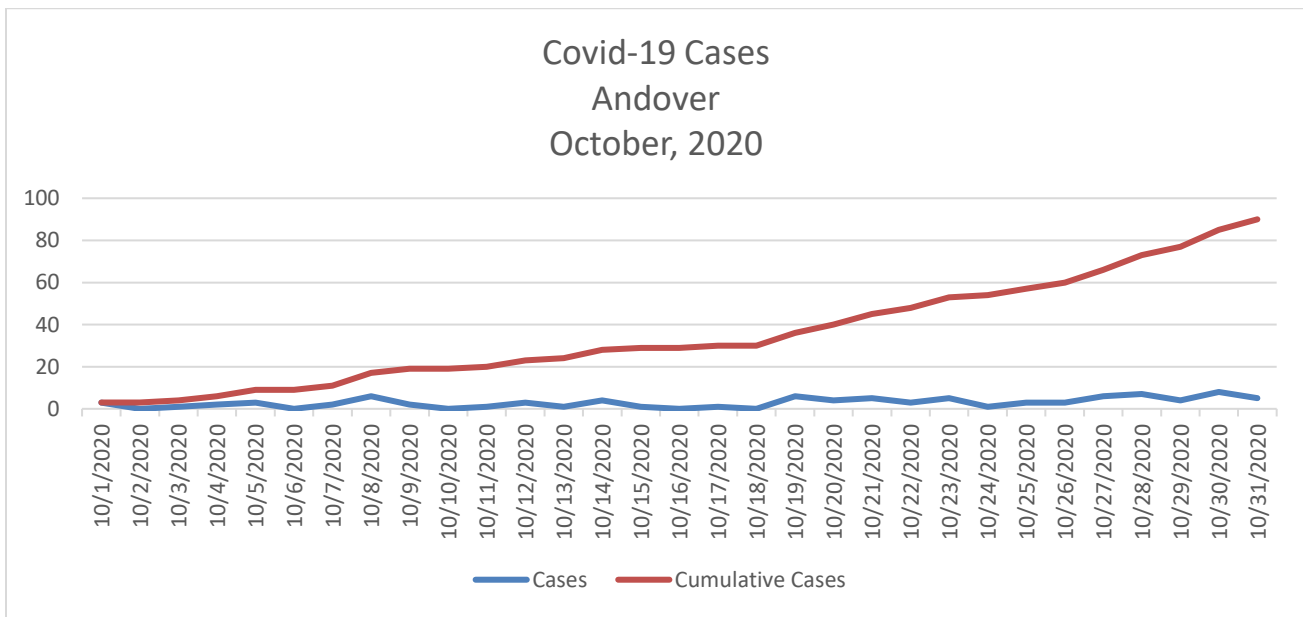
Andover Weekly Data

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
9/30/2020	390	26	5.2	Higher	18091	3337	28	0.84%	Higher
10/7/2020	401	25	5.0	No Change	20077	3626	30	0.83%	No Change
10/14/2020	415	23	4.6	No Change	22161	4114	30	0.73%	No Change
10/22/2020	427	26	5.2	Higher	24336	4296	33	0.77%	No Change
10/29/2020	447	33	6.5	Higher	26968	4633	41	0.88%	Higher
11/6/2020	490	57	11.3	Higher	29800	5314	64	1.20%	Higher
State 11/6/2020	158937	14944	15.3	Higher	6374952	961864	17727	1.84%	Higher

Observations:

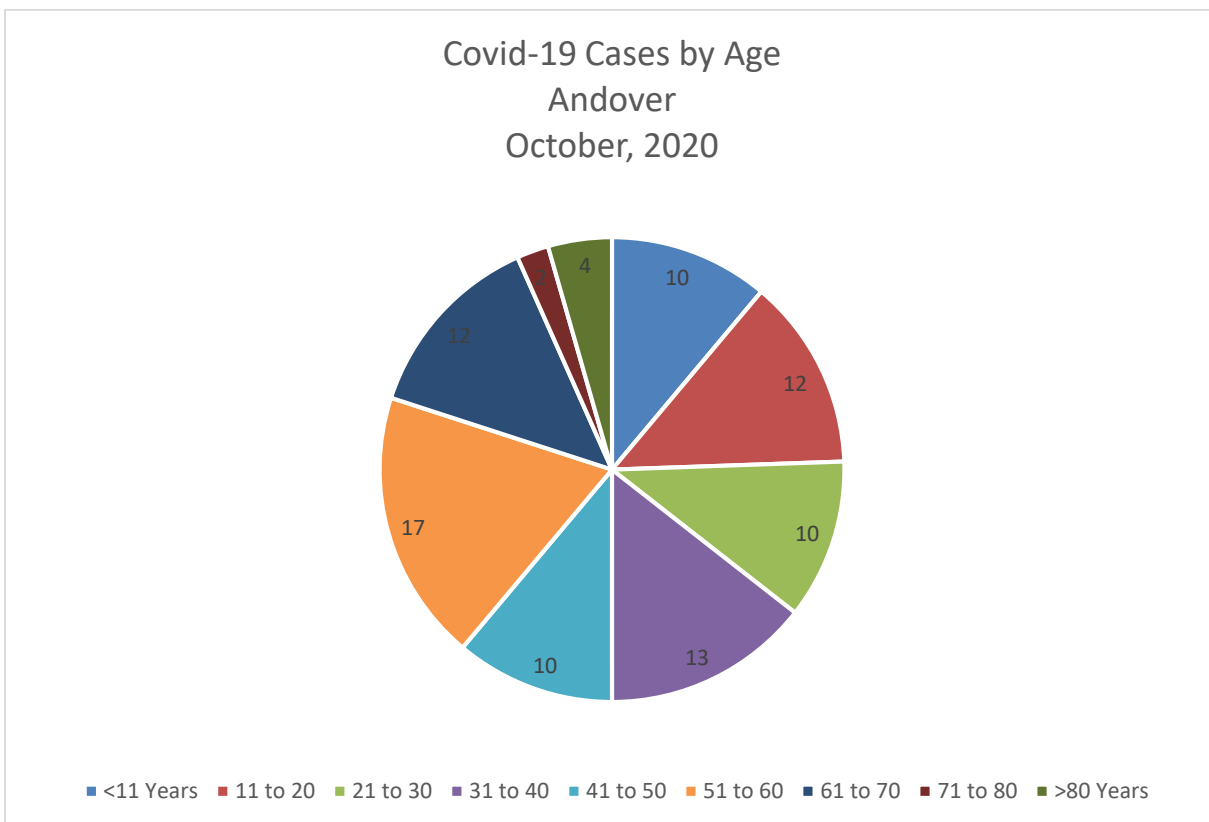
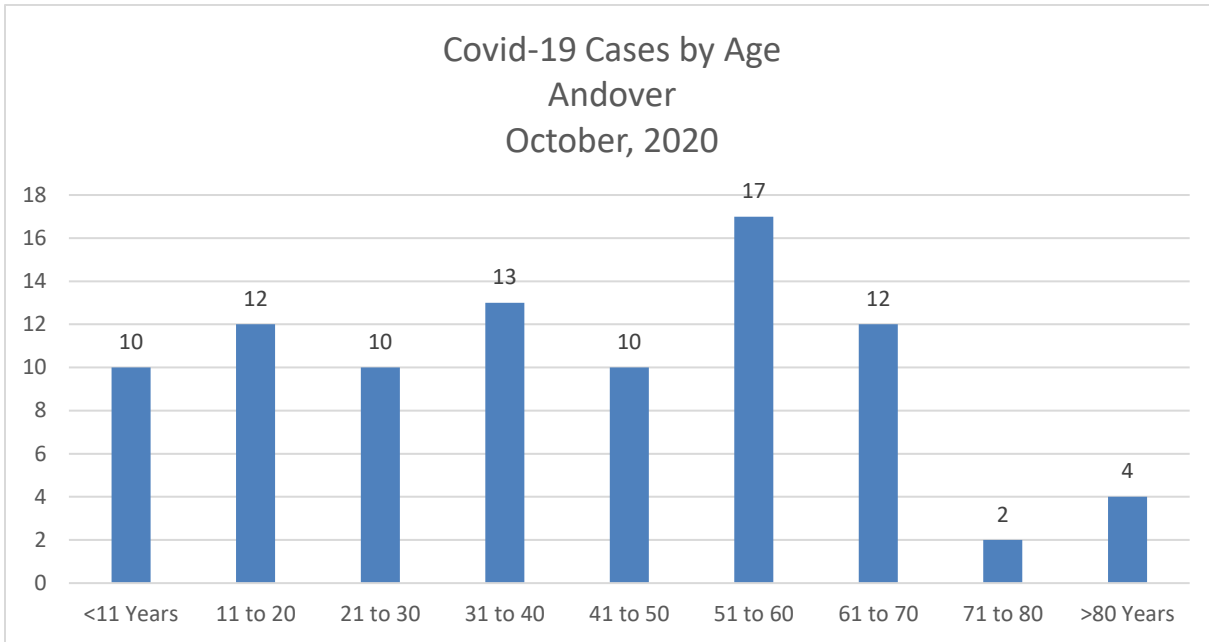
- On November 6, 2020, the state changed its metrics in describing its color coded map; the code is now a combination of standardized case rate and the positivity rate. Under the former metric, Andover would be in the red zone at this time.
- Case counts over the past two weeks have grown incredibly.
- The Community’s total test count continues to grow each week, as does its percent positivity.
- In general, Andover is on par with its neighboring communities when comparing the standardized case count; the cities and North Andover are above that norm.

The following graphs reflect data obtained from MAVEN on 11/5/2020.

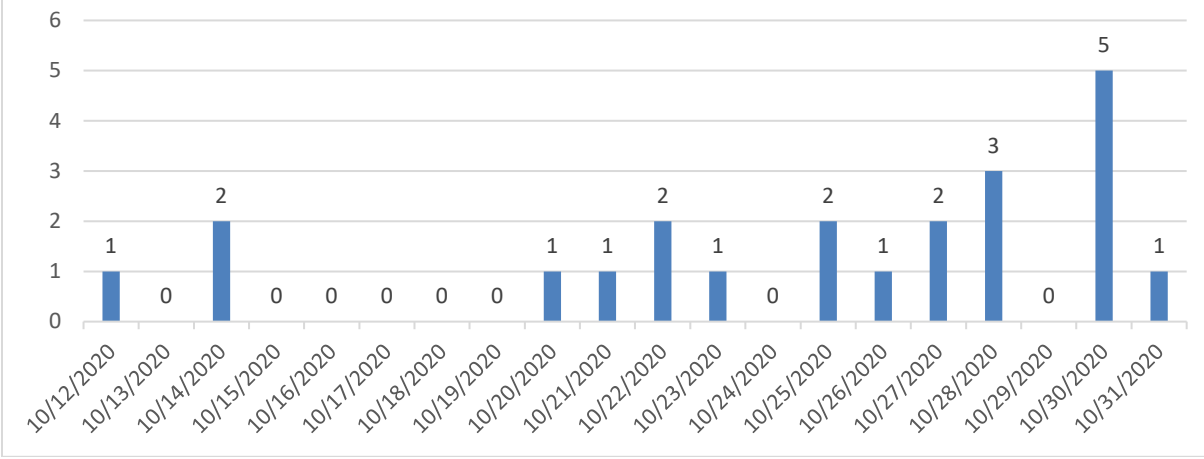


Observations:

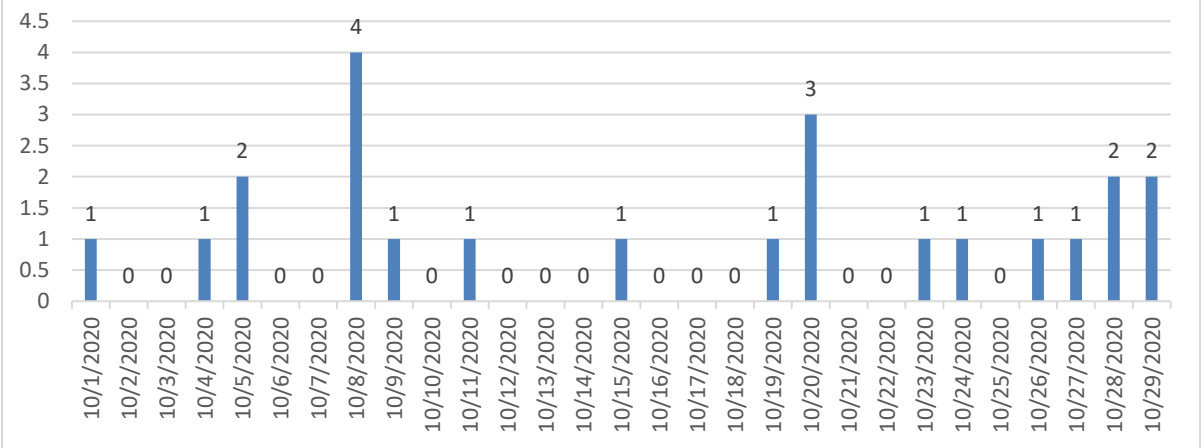
- Columbus Day was October 12th, and the number of cases dramatically increased starting on October 19th, one week later. The following week shows even higher case counts, indicating there may be an amplification of those initial cases from the holiday.
- 45 of the 90 cases are associated with spread in 16 houses. Two of those homes had 6 and 7 cases in their households alone.



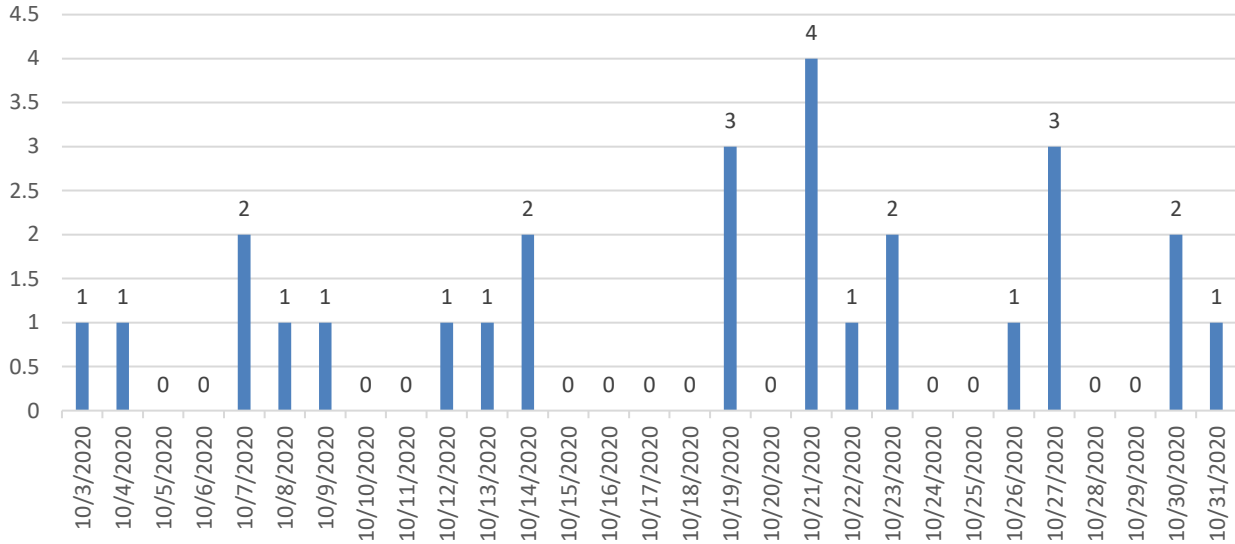
Covid-19 Cases
Ages 0 to 20
Andover
October, 2020



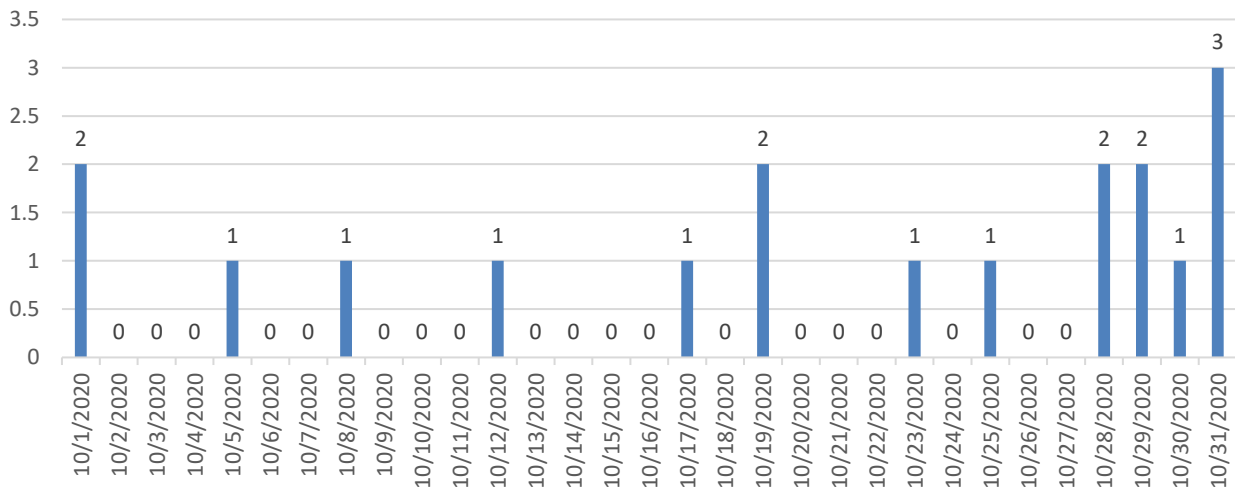
Covid-19 Cases
Ages 21 to 40
Andover
October, 2020



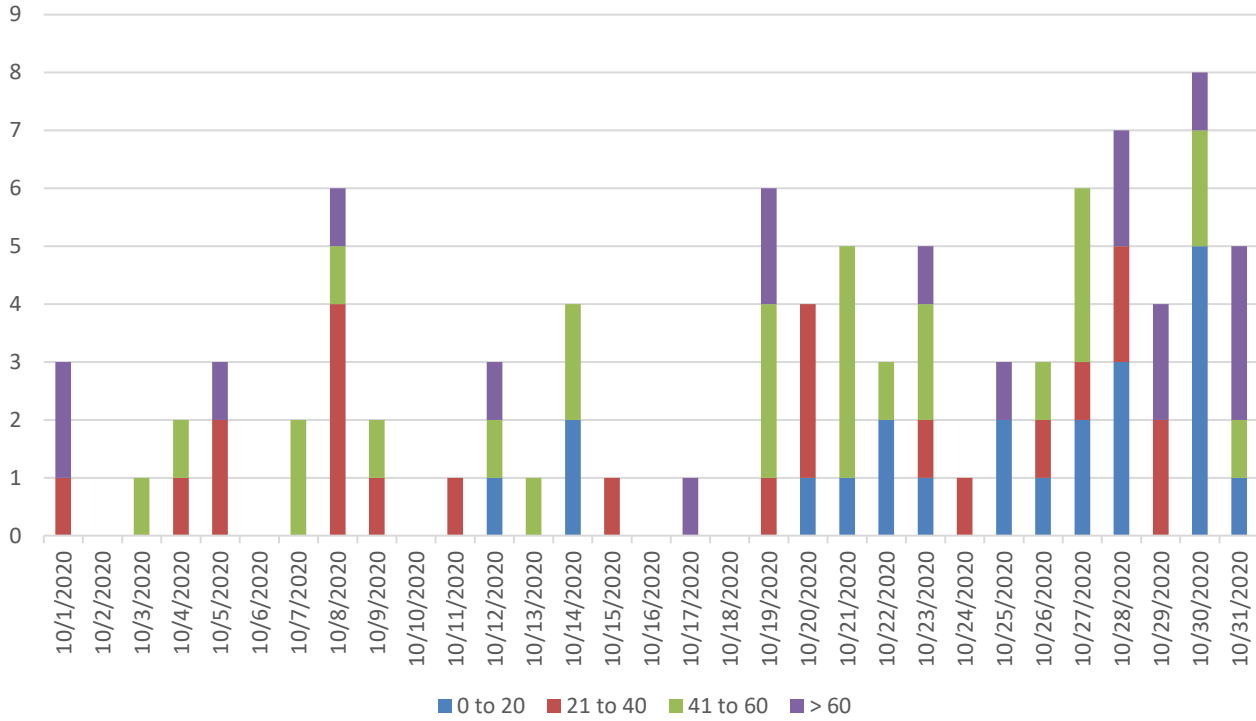
Covid-19 Cases
Ages 41 to 60
Andover
October, 2020



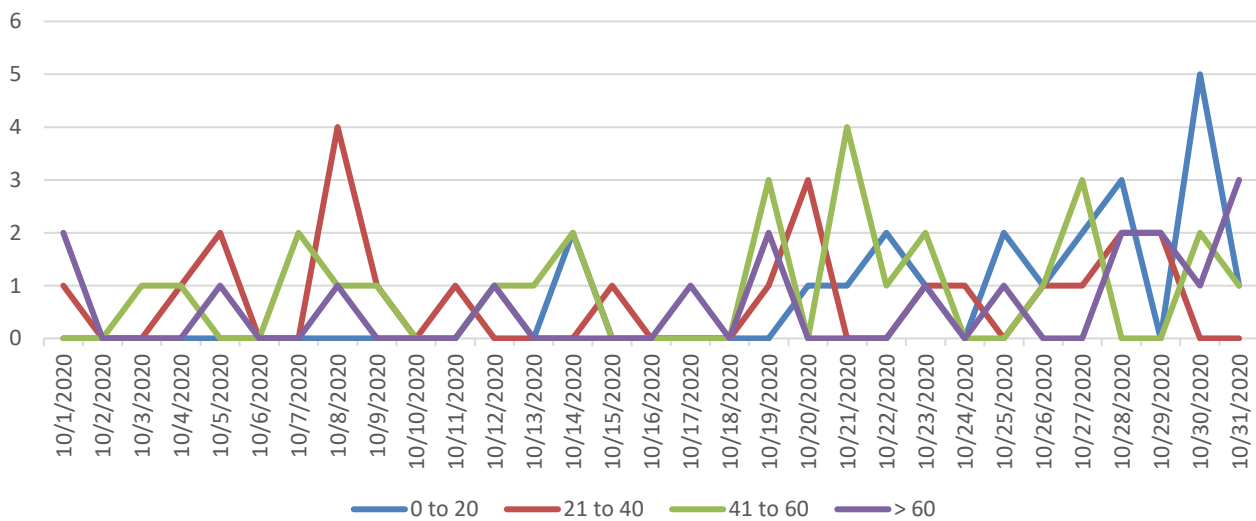
Covide-19 Cases
Aged >60
Andover
October, 2020



Covid-19 Cases Ages Over Time Andover October, 2020



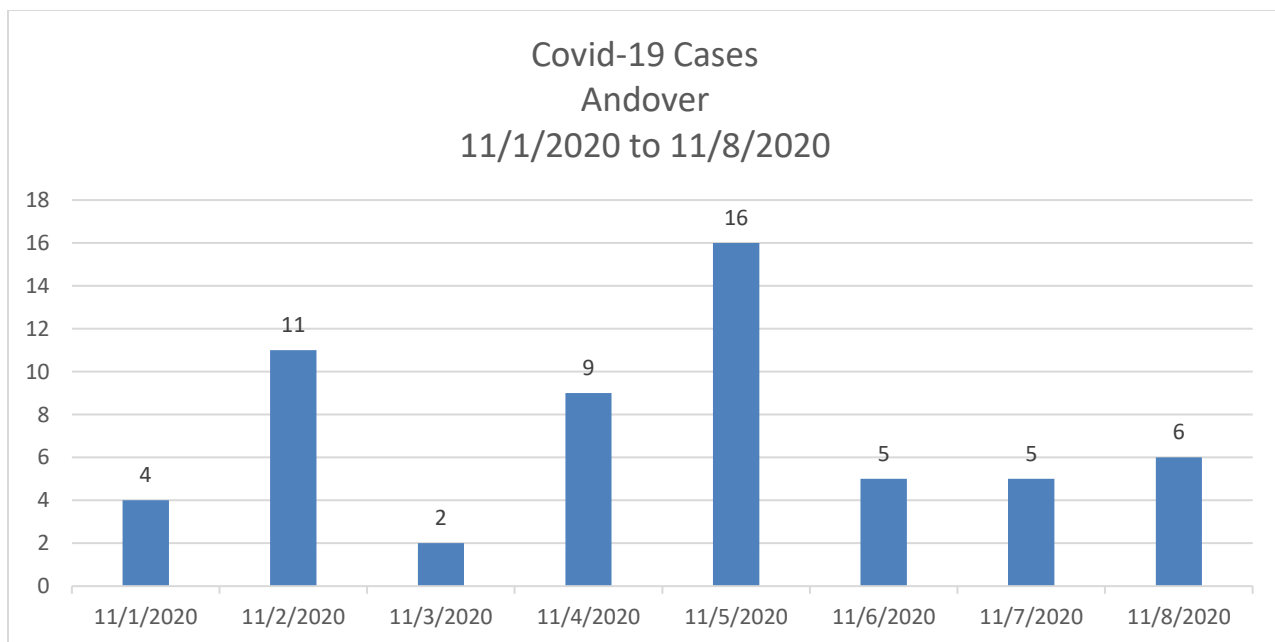
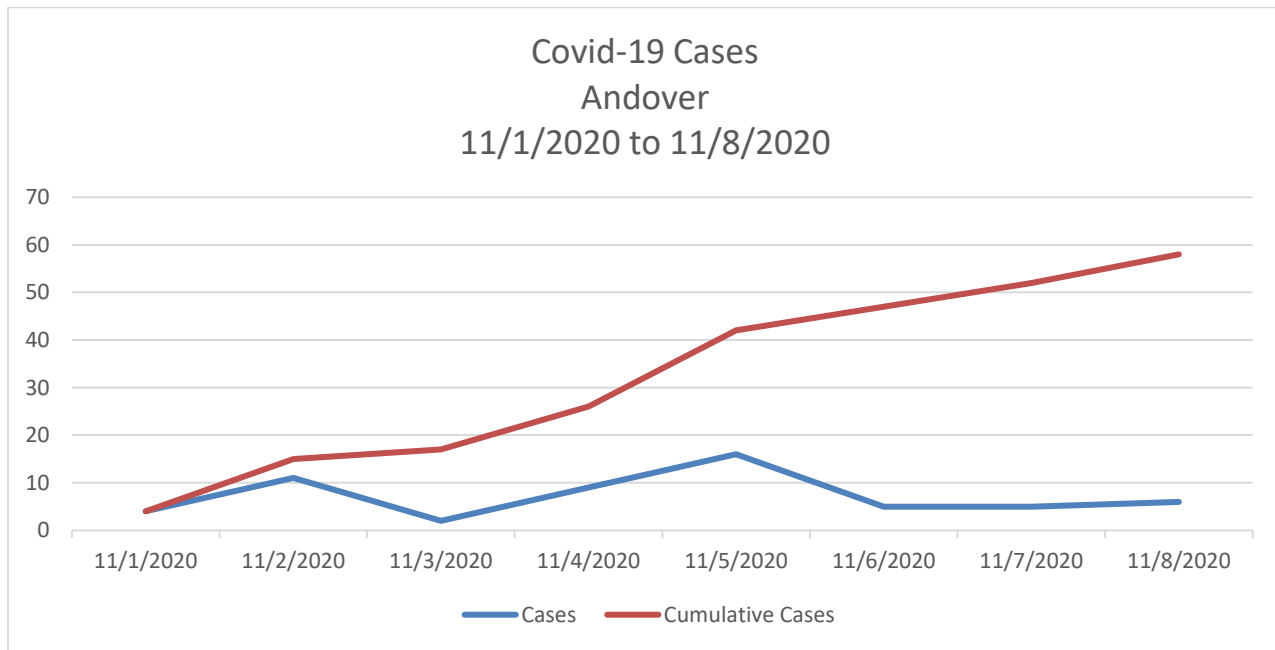
Covid-19 Cases Age Over Time Andover October, 2020

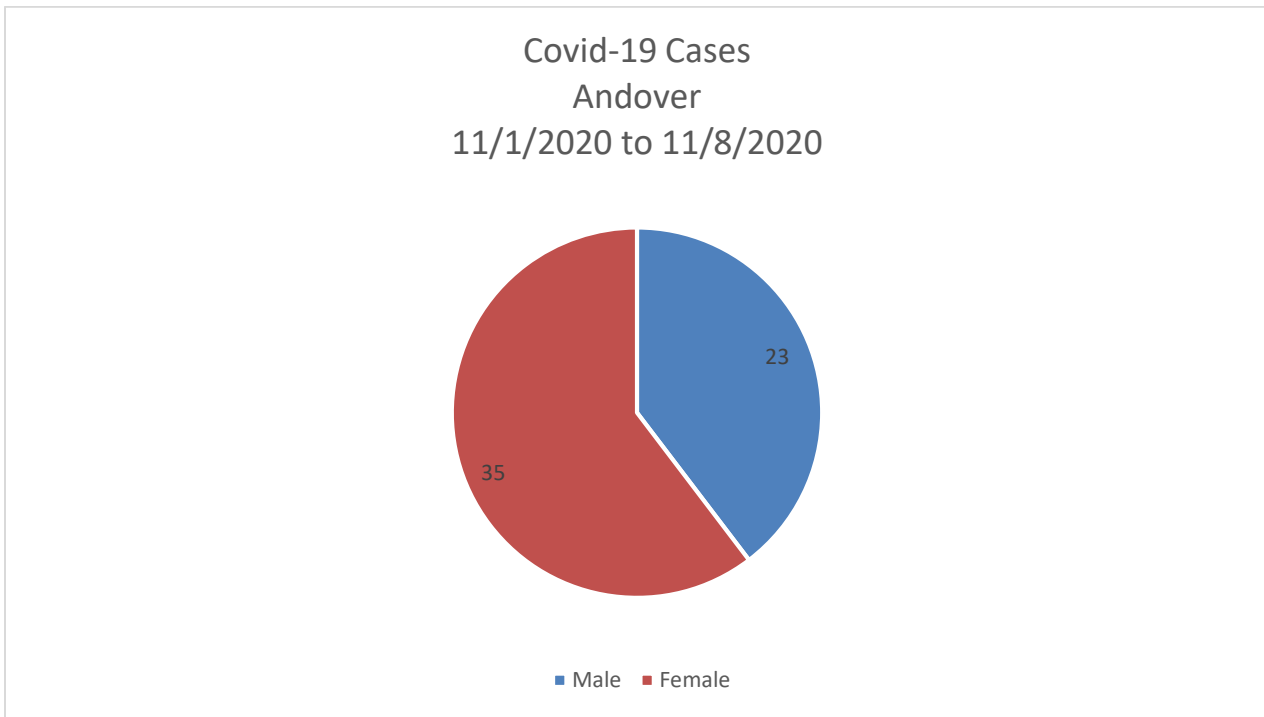
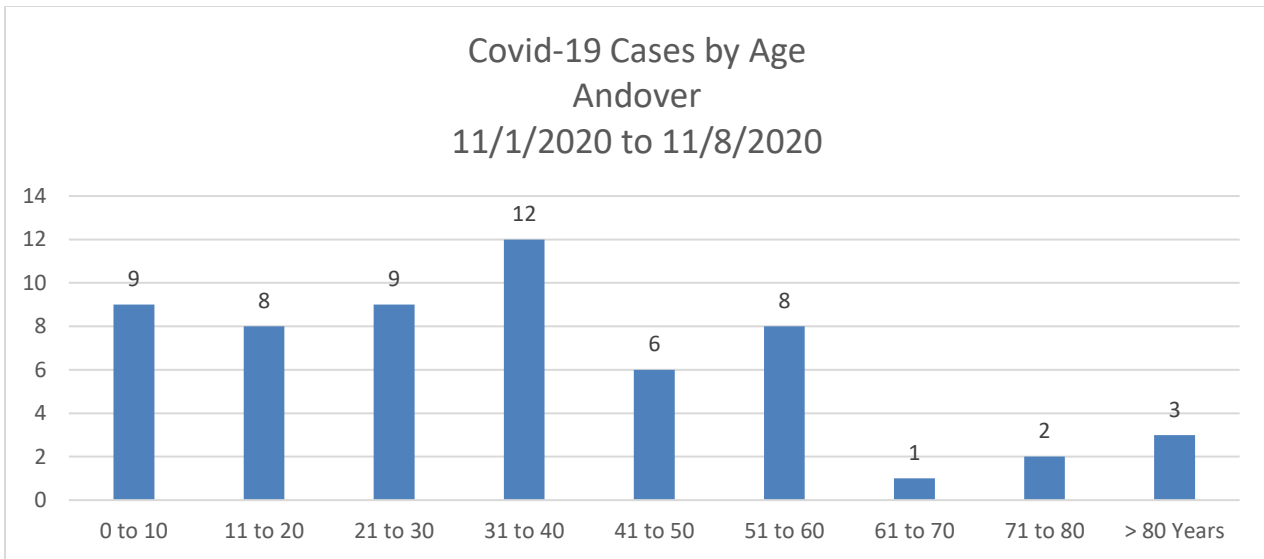


Observations:

- Breaking the cases into ten year groups shows that over the month, age groups up to 70 years were fairly consistent with case counts; 51 to 60 year olds have a higher number than the others.
- For Children under age 20, and the group 41 to 60, we begin to see indications of increased cases on October 20th, one week after the holiday.

The following data was taken from MAVEN on 11/9/2020, for the dates 11/1/2020 through 11/8/2020.





Observations:

- The community is in a phase of rapid spread of the virus.
- Of the 58 cases reported in this time frame, 29 came from 9 households. This reflects in-home transmission.
- Of the 58 cases in this time frame, 7 are associated with long term care facilities.
- 25 of the 58 cases in this time frame were tested on November 4 and 5; this could indicate exposures around Halloween.
- 35 of the 58 Cases in this time frame are female.

What can be done to slow the spread?

- Wear a face covering when in public in accordance with the Governor’s latest Executive Order; it protects us all and decreases the chance of transmission.
- Wash your hands often and use hand sanitizer.
- Avoid large gatherings; it appears that much of the transmission in our community may be associated with gatherings. The Governor has released an Executive Order limiting indoor gatherings on private property to 10 people; 25 people are allowed if the gathering is outdoors.
- In a work setting, ensure that you maintain distances, and wear a face covering.
- If you don’t feel well, stay home! Contact your doctor about being tested.
- If you travel out of state, either quarantine for 14 days or have yourself tested, regardless of whether the state is considered “safe” by state guidelines.