



Livingston County Weekly COVID-19 Snapshot

Date of report: **10/23/20**

Date range used in report: **10/16/20 - 10/22/20**

This report provides a summary of COVID-19 trends and activities for Livingston County over the past week; when appropriate, the previous week is used as a comparison.

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Summary

In Livingston County, the COVID-19 case count has dramatically increased over the last two weeks, a trend that is mirrored both state- and nation-wide. The test positivity rate has additionally risen above that of the State of Michigan in the current week, while the number of total tests has remained stable. Livingston County continues to be in the second highest risk level (“D”), as seen on the [MI Safe Start Dashboard](#). Rather than associated with specific outbreaks, this increase in cases is likely driven by continued community transmission and small group gatherings among adults. Unlike late August, where an increase in the case count was associated with young adult gatherings and parties, Livingston County is experiencing an increase in cases in older individuals (50-60 years). Older individuals are at an increased risk for severe health complications associated with COVID-19 and are more likely to transmit the virus to other individuals. The increase in continued community transmission among older individuals has the potential to have major impacts on both in-person schooling and hospital capacity.



Snapshot

Case Count

Over the past week, there were 180 total cases (average of 25 per day). This is 3% higher than the previous week. Though this increase in case count between the last two weeks may seem small, the case count for this current week is 86% higher than the case count from 10/2-10/8.

	10/2-10/8	10/9-10/15	10/16-10/22
Cases	97	174	180

There are two classifications of cases that make up the total number of COVID-19 cases; confirmed cases and probable cases. The case count above includes both.

- *Confirmed cases are people who had a nasopharyngeal COVID-19 PCR test that was positive.*
- *Probable cases are people who have COVID-19 symptoms and are close contacts of someone who has COVID-19, but did not have a PCR test done. If someone has a positive rapid COVID-19 antigen test (as well as COVID-19 symptoms and/or are a close contact of a COVID-19 case), they are still a probable case, because they did not have a COVID-19 PCR test done. The COVID-19 PCR test is the most sensitive COVID-19 test and is most likely to correctly diagnose an active COVID-19 infection.*

Hospitalizations

Over the past week, there were 5 new hospitalizations. The previous week period had 9 new COVID-19 case admissions.

	10/9-10/15	10/16-10/22
New Admissions	9	5
Total Currently Hospitalized	10	15

Deaths

Over the past week, there were 2 deaths. This is higher than the past week (1 death).

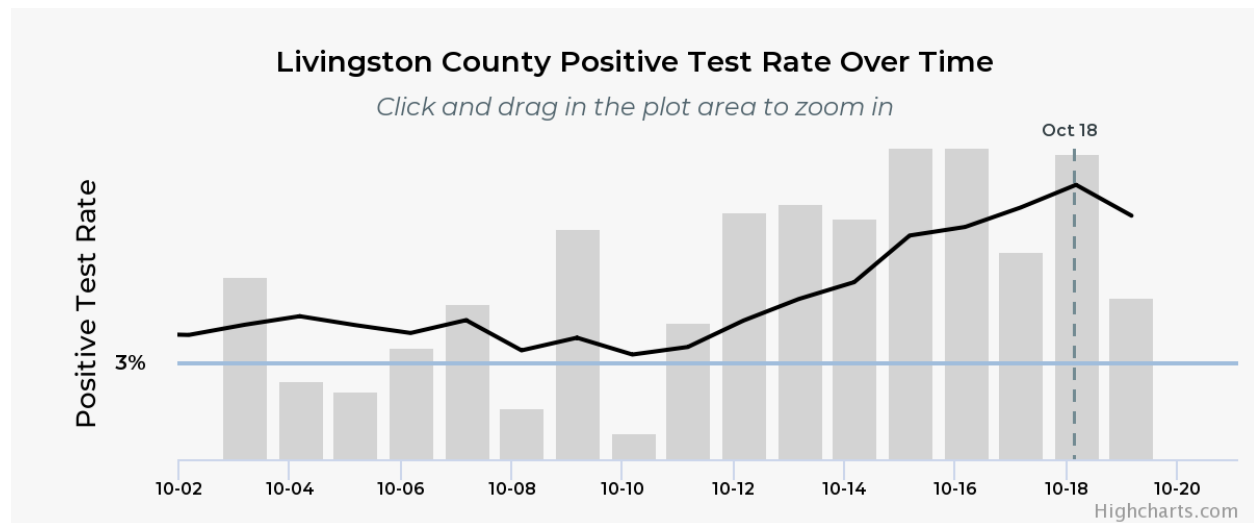


Positivity Rate

The positivity rate shows what percentage of all COVID-19 tests that were done have come back positive over a certain period of time. The positivity rate depends on the number of COVID-19 cases in a community and the total number of tests that were done. The rate can be high if there are more COVID-19 cases and there is increased spread of COVID-19 in the community; it can also be increased if there are not enough tests being done in the community. A goal that has been adopted across health departments is for the positivity rate to be less than or equal to 3%.

The current positivity rate in Livingston County is 6.1%. **It has almost doubled since 10/10/20.** This is higher than the overall state of Michigan (4.9%). The total number of tests (denominator) has remained stable over time indicating increased transmission in the community.

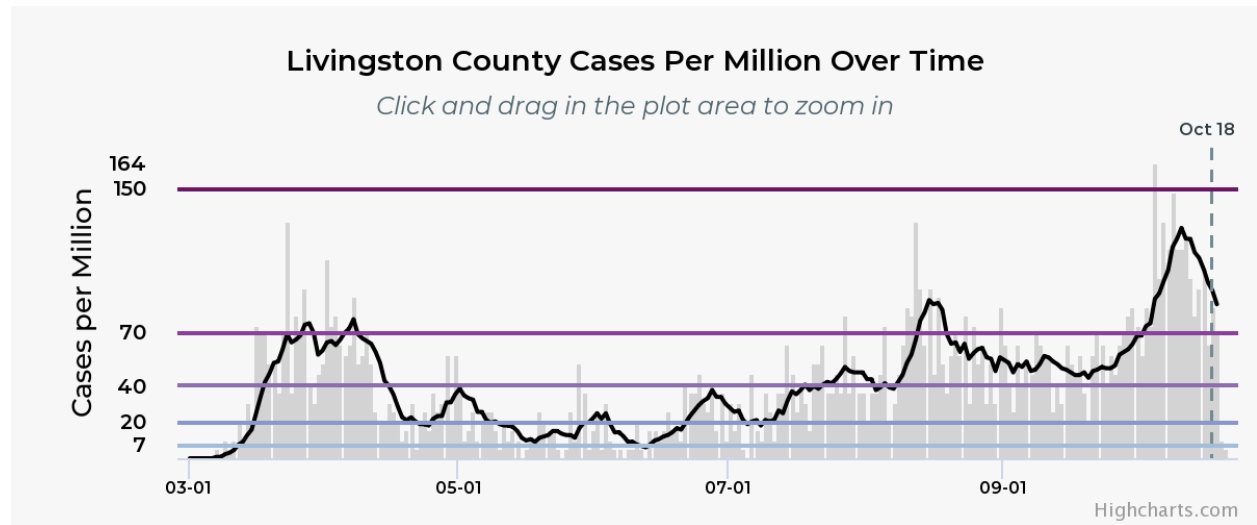
$$\text{Positivity Rate} = \frac{\text{Positive COVID-19 Tests}}{\text{Total COVID-19 Tests}} \times 100\%$$



Epi Curve

An epi curve is a way to visually show the onset of cases in a community during an outbreak. It shows us how many COVID-19 cases had the onset of symptoms on each day over a period of time. It is a way to illustrate the spread of COVID-19 in the community and how the number of cases have been trending.

There has been an increase in cases since mid-September, with a sharp increase since early October and a recent peak of 128 cases per million. This incidence is higher than was previously recorded and categorizes Livingston county in the “D” risk category on the MI safe start map. Although the incidence appears to be decreasing, it is too early to confirm this change.

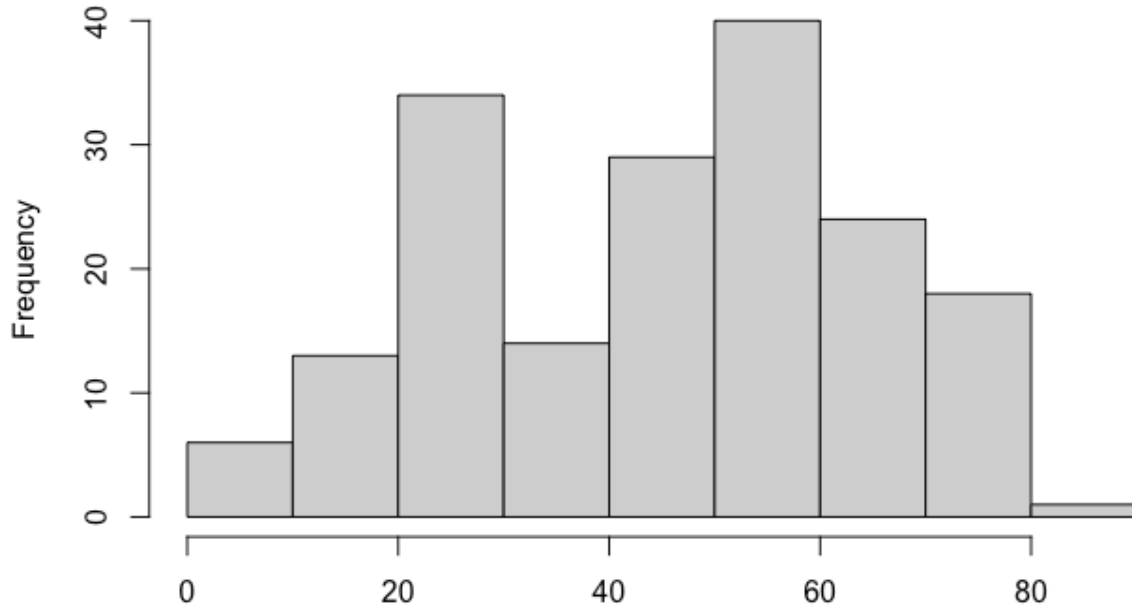


Demographics

There have been a similar percentage of males and females affected by COVID-19.

Male	Female	Average Age
50%	50%	49 years

The distribution of ages continues to show two peaks around the ages of 20-30 years and 50-60 years.



Notable Events and Press Releases

Events

- Large Social Gathering among high school-aged individuals
- Adult Sports Leagues in Brighton, MI involving multiple counties
- Large Church in Brighton, MI involving multiple counties (ongoing)
- Small Group Gatherings and Travel

Press Releases

- No new press releases issued for the week of 10/16-10/22

