



### **Weekly report Sep 2 -Sep 8 2020**

Reporting tests done on patients residing in **Buffalo, Dawson, Phelps, Gosper, Harlan, Kearney and Franklin** counties

**Reporting period** : Sep 2 – Sep 8 2020 (1 week)

& Aug 12 – Sep 01 2020 (4 weeks)

#### **Overall testing – previous week**

A total of 1212 persons were tested in the past week, of whom 134 were positive, and 1078 were negative. The results are displayed below.

|                   | <b>Negative</b> | <b>Positive</b> | <b>Total</b> |
|-------------------|-----------------|-----------------|--------------|
| <b>Number</b>     | 1078            | 134             | 1212         |
| <b>Percentage</b> | 88.9%           | 11.1%           | 100.0%       |

#### **Overall testing – previous month**

A total of 4757 persons were tested in the past 4 weeks, of whom 520 were positive, and 4237 were negative. The results are displayed below.

|                   | <b>Negative</b> | <b>Positive</b> | <b>Total</b> |
|-------------------|-----------------|-----------------|--------------|
| <b>Number</b>     | 4237            | 520             | 4757         |
| <b>Percentage</b> | 89.1%           | 10.9%           | 100.0%       |

The following table gives details of positive cases done by county, age categories and gender.

**Table 1: Details of total and positive tests – 1 week and 4 weeks**

|                             | <b>Sep 2 – Sep 8 (1 week)</b> |                             |                    | <b>Aug 12 – Sep 01 (4 weeks)</b> |                             |                    |
|-----------------------------|-------------------------------|-----------------------------|--------------------|----------------------------------|-----------------------------|--------------------|
|                             | <b>Positive cases</b>         | <b>Total persons tested</b> | <b>P. rate (%)</b> | <b>Positive cases</b>            | <b>Total persons tested</b> | <b>P. rate (%)</b> |
| <b>County</b>               |                               |                             |                    |                                  |                             |                    |
| Buffalo                     | 93                            | 758                         | 12.3%              | 334                              | 2734                        | 12.2%              |
| Dawson                      | 23                            | 272                         | 8.5%               | 64                               | 864                         | 7.4%               |
| Franklin                    | 0                             | 13                          | 0.0%               | 5                                | 83                          | 6.0%               |
| Gosper                      | 1                             | 11                          | 9.1%               | 6                                | 60                          | 10.0%              |
| Harlan                      | 0                             | 8                           | 0.0%               | 7                                | 60                          | 11.7%              |
| Kearney                     | 7                             | 64                          | 10.9%              | 64                               | 522                         | 12.3%              |
| Phelps                      | 9                             | 68                          | 13.2%              | 39                               | 395                         | 9.9%               |
| Data missing/ not disclosed | 1                             | 18                          | 5.6%               | 1                                | 39                          | 2.6%               |

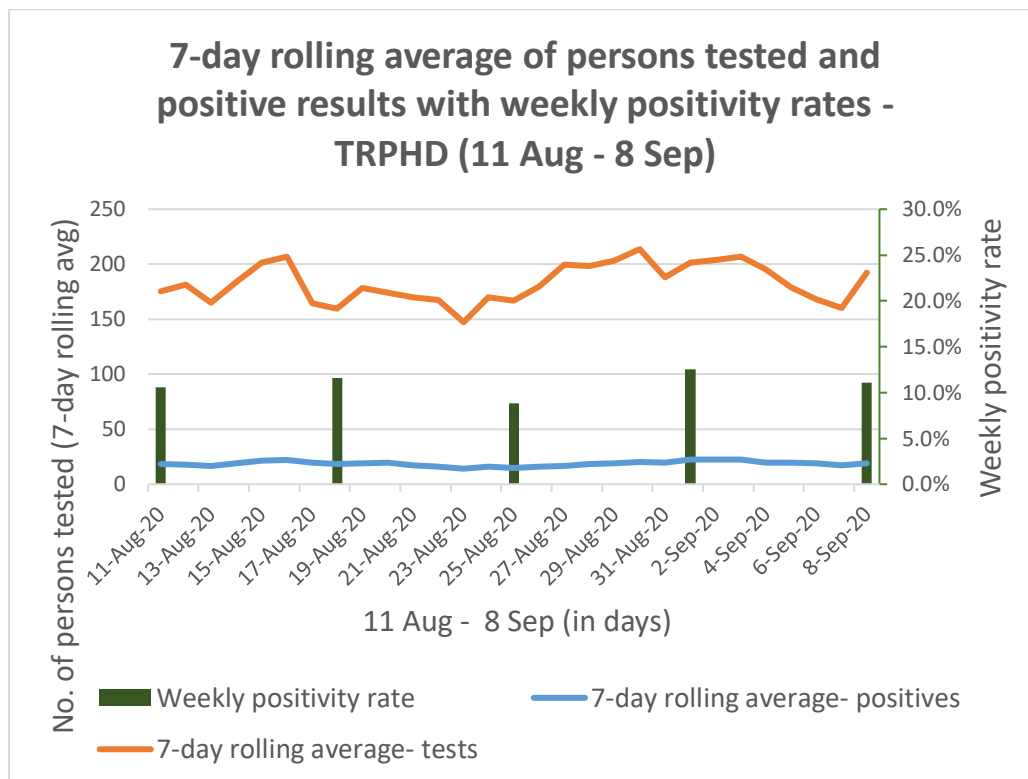
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|                             |            |             |              |            |              |              |
|-----------------------------|------------|-------------|--------------|------------|--------------|--------------|
| <b>Total</b>                | <b>134</b> | <b>1212</b> | <b>11.1%</b> | <b>520</b> | <b>4,757</b> | <b>10.9%</b> |
| <b>Age (in yrs)</b>         |            |             |              |            |              |              |
| 0-17                        | 7          | 179         | 3.9%         | 30         | 688          | 4.4%         |
| 18-29                       | 38         | 252         | 15.1%        | 141        | 997          | 14.1%        |
| 30-39                       | 19         | 163         | 11.7%        | 70         | 656          | 10.7%        |
| 40-49                       | 15         | 119         | 12.6%        | 67         | 489          | 13.7%        |
| 50-59                       | 20         | 144         | 13.9%        | 80         | 573          | 14.0%        |
| 60-69                       | 11         | 123         | 8.9%         | 57         | 509          | 11.2%        |
| 70-79                       | 12         | 97          | 12.4%        | 50         | 400          | 12.5%        |
| 80-89                       | 10         | 79          | 12.7%        | 20         | 270          | 7.4%         |
| 90+                         | 2          | 56          | 3.6%         | 5          | 175          | 2.9%         |
| <b>Total</b>                | <b>134</b> | <b>1212</b> | <b>11.1%</b> | <b>520</b> | <b>4757</b>  | <b>10.9%</b> |
| <b>Gender</b>               |            |             |              |            |              |              |
| Female                      | 78         | 414         | 18.8%        | 255        | 1,861        | 13.7%        |
| Male                        | 45         | 358         | 12.6%        | 228        | 1,572        | 14.5%        |
| Data missing/ not disclosed | 11         | 440         | 2.5%         | 37         | 1,324        | 2.8%         |
| <b>Total</b>                | <b>134</b> | <b>1212</b> | <b>11.1%</b> | <b>520</b> | <b>4,757</b> | <b>10.9%</b> |



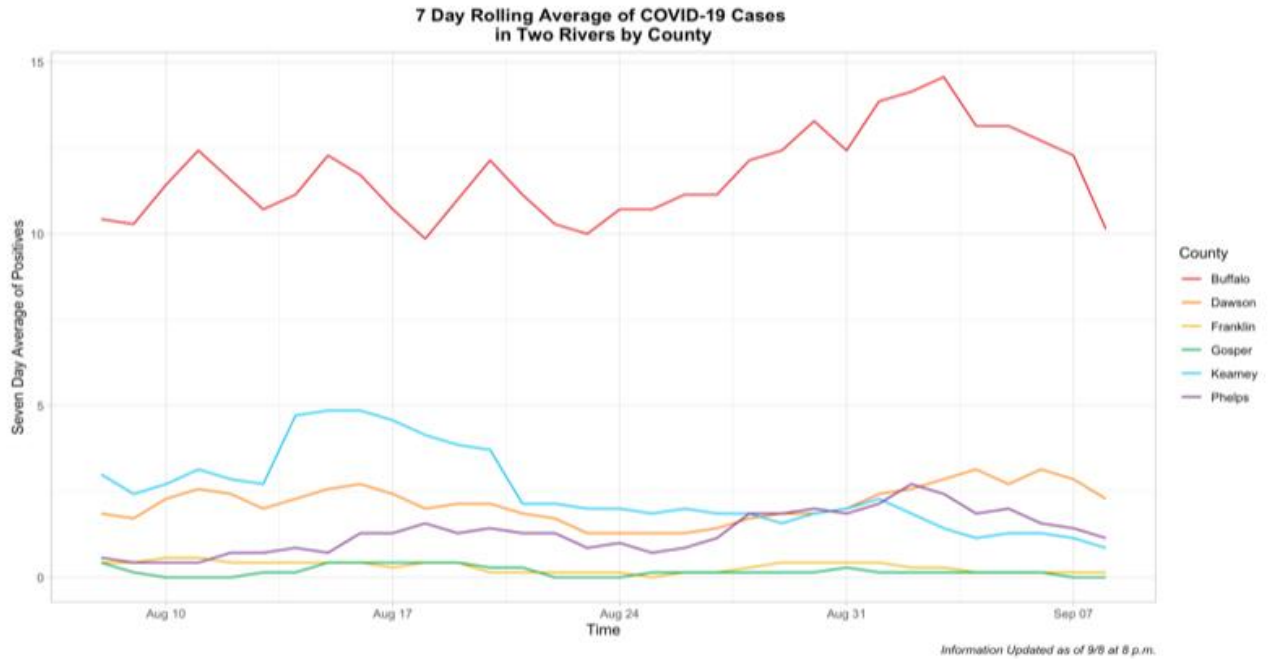
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The following graph describes the 7-day rolling average of cases per county for the last 4 weeks.



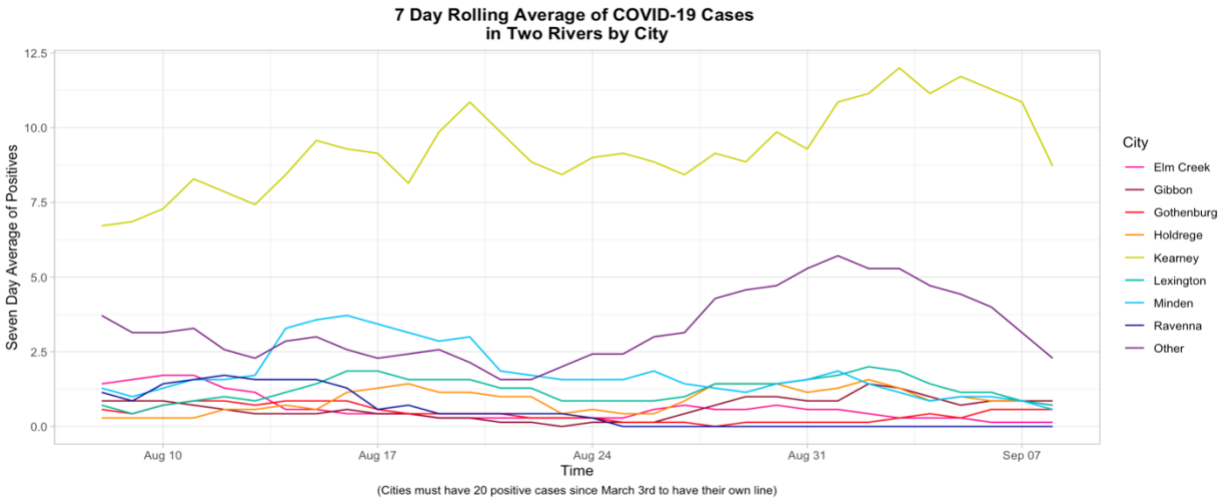
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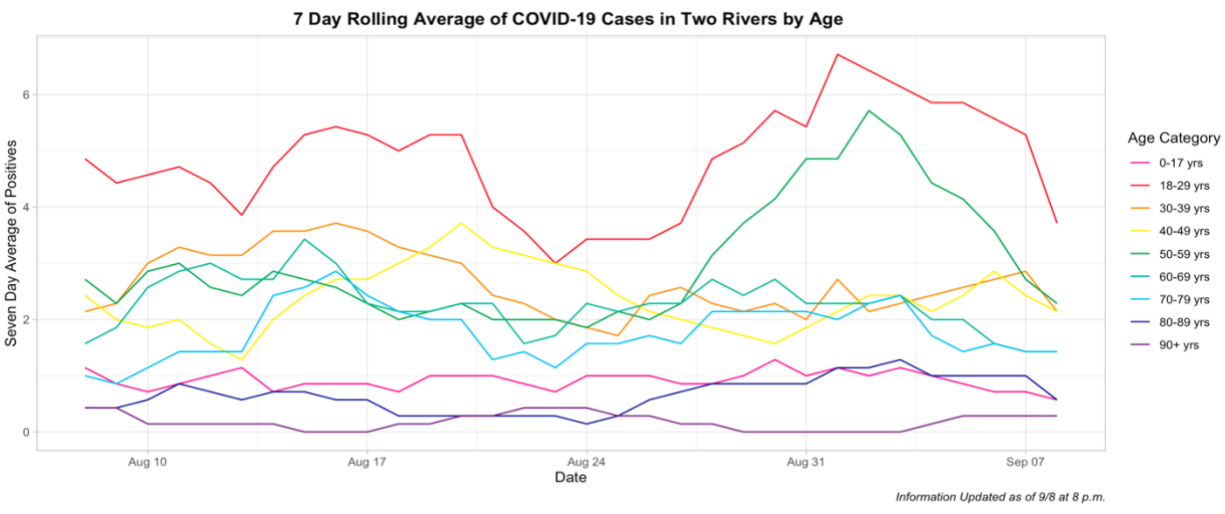
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The following graph describes the 7-day rolling average by city in TRPHD (all cities with cumulative case count over 30 cases are included)



The following graph describes the 7-day rolling average of cases by age category for the last 4 weeks.



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The following table gives proportion of total tests done by county and age category on Sep 2 – Sep 8 2020

**Table 2: Total tests in TRPHD – past week and past 4 weeks – proportions by county, age and gender**

|                             | Sep 2 – Sep 8 (1 week) |   | Aug 12 – Sep 01 (4 wks) |   |
|-----------------------------|------------------------|---|-------------------------|---|
|                             | Total persons tested   | Percentage of tests done by county/ age group/ gender (%) | Total persons tested    | Percentage of tests done by county/ age group/ gender (%) |
| <b>County</b>               |                        |   |                         |   |
| Buffalo                     | 758                    | 62.5%   | 2734                    | 57.5%   |
| Dawson                      | 272                    | 22.4%   | 864                     | 18.2%   |
| Franklin                    | 13                     | 1.1%  | 83                      | 1.7%  |
| Gosper                      | 11                     | 0.9%  | 60                      | 1.3%  |
| Harlan                      | 8                      | 0.7%  | 60                      | 1.3%  |
| Kearney                     | 64                     | 5.3%  | 522                     | 11.0%   |
| Phelps                      | 68                     | 5.6%  | 395                     | 8.3%  |
| Data missing/ not disclosed | 18                     | 1.5%  | 39                      | 0.8%  |
| <b>Total</b>                | <b>1212</b>            | <b>100.0%</b>   | <b>4,757</b>            | <b>100.0%</b>   |
| <b>Age (in yrs)</b>         |                        |   |                         |   |
| 0-17                        | 179                    | 14.8%   | 688                     | 14.5%   |
| 18-29                       | 252                    | 20.8%   | 997                     | 21.0%   |
| 30-39                       | 163                    | 13.4%   | 656                     | 13.8%   |
| 40-49                       | 119                    | 9.8%  | 489                     | 10.3%   |
| 50-59                       | 144                    | 11.9%   | 573                     | 12.0%   |
| 60-69                       | 123                    | 10.1%   | 509                     | 10.7%   |
| 70-79                       | 97                     | 8.0%  | 400                     | 8.4%  |
| 80-89                       | 79                     | 6.5%  | 270                     | 5.7%  |
| 90+                         | 56                     | 4.6%  | 175                     | 3.7%  |
| <b>Total</b>                | <b>1212</b>            | <b>100.0%</b>   | <b>4757</b>             | <b>100.0%</b>   |
| <b>Gender</b>               |                        |   |                         |   |
| Female                      | 414                    | 34.2%   | 1,861                   | 39.1%   |
| Male                        | 358                    | 29.5%   | 1,572                   | 33.0%   |
| Data missing/ not disclosed | 440                    | 36.3%   | 1,324                   | 27.8%   |
| <b>Total</b>                | <b>1212</b>            | <b>100.0%</b>   | <b>4757</b>             | <b>100.0%</b>   |
| <b>Testing facility</b>     |                        |   |                         |   |

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|   |             |               |             |               |
|---|-------------|---------------|-------------|---------------|
| Pvt clinic or hosp in Phe/Kea/Fra/Gos/Har | 10          | 0.8%          | 170         | 3.6%          |
| Pvt clinic or hosp in Buffalo Co          | 262         | 21.6%         | 1,239       | 26.0%         |
| Pvt clinic or hosp in Dawson Co           | 145         | 12.0%         | 512         | 10.8%         |
| Pvt clinic or hosp in outside TRPHD       | 76          | 6.3%          | 297         | 6.2%          |
| TestNE                                    | 652         | 53.8%         | 2,304       | 48.4%         |
| Other                                     | 67          | 5.5%          | 235         | 4.9%          |
| <b>Total</b>                              | <b>1212</b> | <b>100.0%</b> | <b>4757</b> | <b>100.0%</b> |

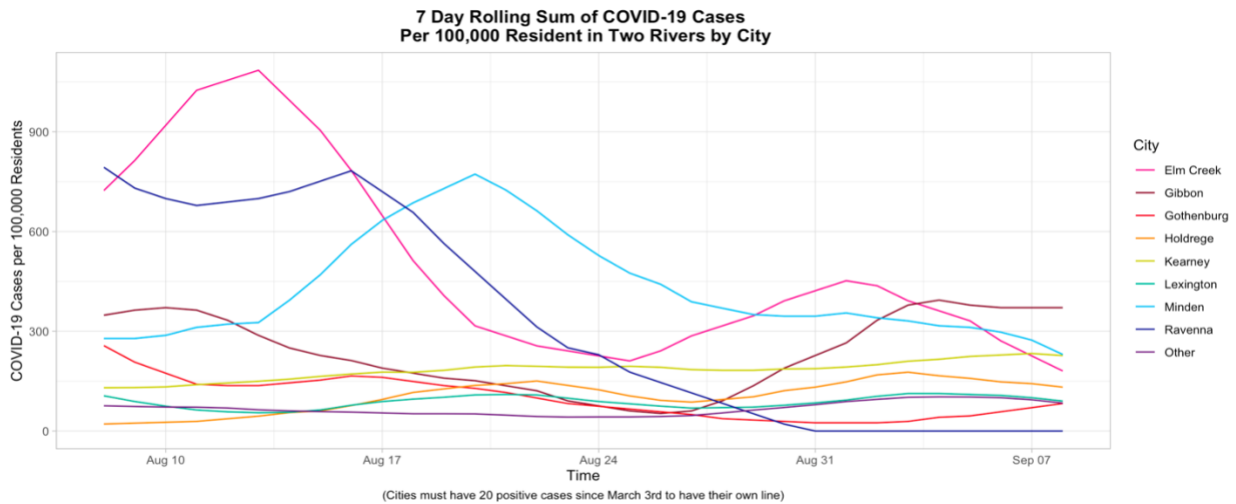
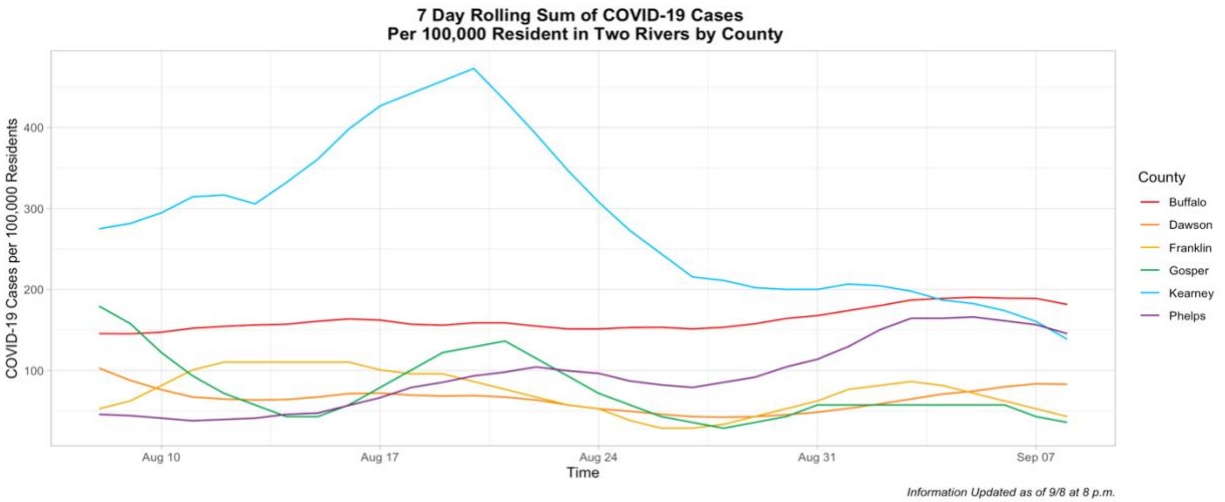
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The following two graphs depict the 7-day rolling average per 100,000 population at the county and city level. Population estimates used are from the American Community Survey (ACS) mid-year estimate 2019



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### **Weekly summary**

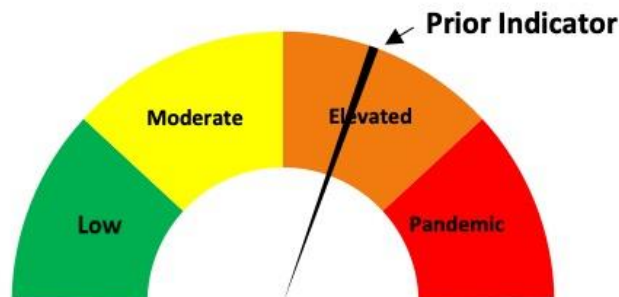
- The numbers above depict the total persons tested over the past week and the past 4 weeks in Two Rivers Health District along with positivity rates. Also displayed are the proportion of tests performed per county, age category and for males v/s females.
- Almost 85% of tests over the past week were administered to people living in Buffalo and Dawson Counties.
- Over a fifth of all tests in the past week were administered to persons aged 18-29 years, and they returned a positivity rate of 15.1%, which represents a 11% decrease from the previous week, although 18-29 year olds still represent the largest group suffering from COVID in TRPHD
- Positivity rate for Buffalo County dropped from the previous week, as have positivity rates in Kearney city. However, the number of persons aged 18-29 who have been detected to be positive has increased further in Kearney. Almost a fourth (14/61) of adults aged 24-29 years tested positive in the city over the past week. Meanwhile 40-49 and 50-59 year old adults show lower positivity rates (11% and 15% respectively) compared to last week.
- Elm Creek (pos rt 16.7%) and Shelton (pos rt 20%) show somewhat stable or declining rates, but Gibbon continues to justify greater monitoring. Almost a third of all persons tested in Gibbon (6/21) returned a positive result.
- The lower positivity rates as well as lower rates per 100,000 population in the cities of Holdrege, Elm Creek, Shelton and Ravenna are cause for cautious optimism. Ravenna particularly seems to have recovered for now from a small point outbreak that affected the city over the past month.
- Minden has a higher case rate per 100,000 residents, and merits closer monitoring and expanded testing.
- Positivity rates show a slight increase in Dawson county, with both Lexington and Gothenburg showing higher positivity rates compared to previous weeks. Gothenburg's increase in positive cases, while not significant, is still reason for continued close monitoring.





## Risk Dial Sep 9, 2020

- There was a drop of almost one percentage point in positivity rate for the district as compared to the previous week.
- There has been a dramatic increase in hospitalization rates across the district. Ventilator use has increased, although there is no sign of any undue strain on equipment.
- Contact tracing teams expect to see increased cases among residents of Cozad town following possible evidence of an outbreak in the town.
- Although 50-59 year olds show lower positivity rates compared to previous weeks, adults aged 60-69 are seeing a higher number of cases
- Average turnaround time for test results to be received following specimen collection has increased by almost a day to 6.32 days. This has been noted and communicated to testing agencies and partners, at both the State and district levels.
- Overall, the Risk Dial remains unchanged, although hospitalizations have increased overall, it is somewhat balanced out by the decrease in positivity rate across the district



**Risk Dial for COVID-19**  
**Two Rivers Public Health**  
**Published September 9, 2020**

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