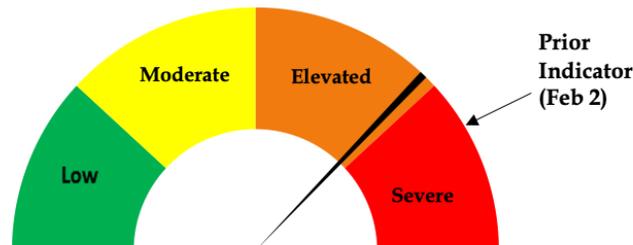




## Risk Dial Feb 10, 2022



**Risk Dial for COVID-19  
Two Rivers Public Health  
Published Feb 10, 2022**

- 313 cases of COVID-19 were recorded in TRPHD between February 2 - February 8. This represents a 58% drop in new cases compared to the previous week. Weekly case rates are now comparable to the average new cases per week seen between September and December 2021.
- Test positivity rate is over 25% among residents below 40 years, however it has been steadily falling over the last two weeks. Positivity rates have fallen across all age groups in the last month. TRPHD announced an additional 17 deaths due to COVID this week, taking the total toll for the district to 197.
- As of Feb 8<sup>th</sup>, a little over 51% of the total population of TRPHD has received the minimum prescribed dose of the COVID-19 vaccine. Vaccination rates have shown little appreciable difference in the past month, perhaps predictive of long-term trends. The risk of hospitalization or serious illness following infection is significantly higher for unvaccinated persons.
- As of Tuesday morning, there were 7 ICU beds available in TRPHD. Over 40% of ICU beds were occupied by COVID positive patients..
- COVID testing is available at the Buffalo County Fairgrounds (Kearney city) Mondays & Wednesdays 9:30AM - 12:30PM. Those interested are required to register at [www.trphd.org](http://www.trphd.org) for scheduling.
- TRPHD strongly urges all unvaccinated vaccine-eligible residents to avail of the COVID vaccination through their healthcare provider, pharmacy or TRPHD. For schedule of vaccination clinics, see [www.trphd.org](http://www.trphd.org)
- For these reasons, the risk dial is lowered from last week to the 'elevated' (orange) zone. The dial reflects the continued drop in new cases for the second week, falling test positivity rates and consistent ICU bed availability.



## Weekly report Feb 2 – Feb 8, 2022

### Overview

The weekly report will look at COVID-19 cases in TRPHD across different time periods, presenting graphs showing daily progress of cases and a weekly summary in conclusion

- The tables describe vaccination, total tests conducted and positive cases across TRPHD from **Feb 2 – Feb 8** (1 week) and **Jan 12 – Feb 8** (4 weeks). We describe new cases by age, gender and county of residence, and present weekly and monthly **test positivity rates**. We describe cases in residential facilities separately from tests in hospitals, & pharmacies<sup>1</sup>. Vaccination rates refer to persons who have received the minimum recommended dose.
- The first graphic describes **the vaccination rate of TRPHD residents by county of residence and age** between **Dec 15, 2020 – Feb 8, 2022**. We present the proportion of persons who have received the minimum recommended dose (2 for Pfizer & Moderna; 1 for Janssen vaccines)
- The second set of graphs look at the progress of the pandemic from **April 1, 2020 – Feb 8, 2022** across all counties.
  - We describe the **7-day rolling average** <sup>2</sup> of positive cases across TRPHD since April, describing overall progress and cases by **age categories**
- The third set of graphs describe the **daily average (7-day rolling)** of COVID cases in each of the 7 counties in TRPHD
- The fourth set of graphs describe the daily case average (7-day rolling) across towns and cities in three urban areas (**Kearney, Lexington, Holdrege**) (Jul 1, 2020- Feb 7, 2022) <sup>3</sup>
  - The cities described are **Kearney, Elm Creek, Pleasanton, Amherst, Riverdale, Gibbon, Shelton and Axtell** (total 39,412 people), **Lexington, Overton, Elwood, Johnson Lake and Cozad** (total 15,700 people), **Holdrege, Loomis and Funk** (total 5967 people).
- The fifth set of graphs describe daily cases (7-day rolling average) from **Jan 12 – Feb 8, 2022**.
  - Progress is described by age & county of residence.

*To conclude, 313 new COVID cases were detected in the Two Rivers area last week. Test positivity rate outside long term care facilities is still over 25%, but represents the second week of continued decline in new cases. A little over half of TRPHD's population is fully vaccinated and over 22% has received a booster dose. TRPHD has scheduled vaccination clinics across the district, schedule can be found at <https://www.trphd.org/covid-19/event-calendar.html>. TRPHD is operating a public COVID testing site at the Buffalo County Fairgrounds 9:30 AM – 12:30 PM, Mondays and Wednesdays. Those eligible for vaccines or booster doses are advised to contact their physician or their local pharmacy. To access services through Two Rivers health department, residents are required to visit [www.trphd.org](http://www.trphd.org) to register an appointment (for COVID testing or vaccination).*

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<sup>1</sup> For information on residential facilities, please see appendix 3

<sup>2</sup> 7-day rolling average refers to the sum of the cases reported on that day and the preceding 6 days divided by 7. This number is presented for each day to 'smooth out' the line for cases.

<sup>3</sup> For information on urban areas, please see appendix 5



### Testing & Vaccination Overview

- As of Feb 8, 2022, almost 66% of the total population of Two Rivers Health District has been tested at least once for COVID-19. More than 227,000 COVID tests have been conducted since March 1, 2020 and over 20,000 persons have tested positive at least once – at least 1600 have tested COVID positive more than once.<sup>4</sup> TRPHD has publicly notified 197 deaths due to COVID-19 across the district.
- As of Feb 8, 2022, 51% of TRPHD’s entire population has been fully vaccinated.<sup>5</sup> Details of vaccination rates by age in each of the seven counties in Two Rivers Health District is shown below. The legend for color codes used is also displayed. Percentages have been rounded off to the nearest whole number. Vaccines are currently available to all eligible residents aged 5 years and over.

	BUFFALO	DAWSON	FRANKLIN	GOSPER	HARLAN	KEARNEY	PHELPS	TRPHD
0-17 YRS	18%	18%	11%	13%	9%	19%	11%	17%
18-29 YRS	38%	55%	30%	41%	30%	45%	34%	41%
30-39 YRS	52%	60%	44%	36%	44%	44%	48%	53%
40-49 YRS	65%	62%	48%	52%	34%	69%	45%	60%
50-59 YRS	68%	65%	47%	49%	48%	55%	56%	63%
60-69 YRS	82%	82%	66%	71%	63%	76%	67%	78%
70-79 YRS	100%	89%	91%	61%	85%	84%	96%	94%
80+ YRS	95%	77%	76%	75%	57%	70%	79%	83%
ALL AGES	52%	54%	48%	48%	41%	50%	46%	51%

0% - 33%	Less than 1/3rd received 1 or 2 dose as recommended
34% - 49%	1/3rd to 1/2 received 1 or 2 dose as recommended
50%- 74%	1/2 to 3/4ths received 1 or 2 dose as recommended
75% & higher	Over 3/4ths received 1 or 2 dose as recommended

- How to read this table: (For eg.) : “60% of all Dawson county residents aged 30-39 years have received the minimum recommended vaccine dose (2 for Moderna & Pfizer; 1 for Janssen) However only 36% of all residents in their 30s in Gosper county have received minimum recommended dose.”

<sup>4</sup> Note: Data collection limitations (recording of different first names, alternate spellings, unrecorded or delayed antigen test results) hamper an exact count of measures like total persons tested, or number of distinct positive cases.

<sup>5</sup> For information on vaccine-eligible population in each of the counties, please see appendix 4



- The table below provides details of positive cases detected in 7 counties in TRPHD in the past week (**Feb 2 - Feb 8**) and past 4 weeks (**Jan 12- Feb 8**).
- Results are described by the site where tests were conducted, and include both antigen and PCR tests.

	Feb 2 - Feb 8 (1 week)			Jan 12- Feb 8 (4 weeks)		
	Total Tests	Positive Results	Positivity Rate	Total Tests	Positive Results	Positivity Rate
<b>Hospital/ Clinic</b>	648	159	24.5%	4319	1,712	39.6%
<b>State Laboratory</b>	145	34	23.4%	822	258	31.4%
<b>Residential Facility</b>	2120	32	1.5%	8351	249	3.0%
<b>Lab/ Pharmacy</b>	66	25	37.9%	782	369	47.2%
<b>Other</b>	249	63	25.3%	1812	662	36.5%
<b>TOTAL</b>	<b>3,228</b>	<b>313</b>	<b>9.7%</b>	<b>16,086</b>	<b>3,250</b>	<b>20.2%</b>

- A total of 8351 tests were availed by residents and staff of long-term care and other **residential facilities** <sup>6</sup> in the last 4 weeks, and were almost all antigen tests. Details are provided below:

Residential Facility In:	Feb 2 - Feb 8 (1 week)			Jan 12- Feb 8 (4 weeks)		
	Total Tests	Positive Results	Positivity Rate	Total Tests	Positive Results	Positivity Rate
<b>Buffalo</b>	468	13	2.8%	2004	79	3.9%
<b>Dawson</b>	267	2	0.7%	1782	87	4.9%
<b>Franklin</b>	0	0	0.0%	0	0	0.0%
<b>Gosper</b>	74	0	0.0%	435	9	2.1%
<b>Harlan</b>	103	3	2.9%	555	7	1.3%
<b>Kearney</b>	225	1	0.4%	950	18	1.9%
<b>Phelps</b>	896	11	1.2%	2287	44	1.9%
<b>Outside TRPHD</b>	87	2	2.3%	338	5	1.5%
<b>TOTAL</b>	<b>2120</b>	<b>32</b>	<b>1.5%</b>	<b>8,351</b>	<b>249</b>	<b>3.0%</b>

- How to read this table: (For eg.) : “In the past week, 25% of tests conducted in hospitals and clinics across TRPHD were positive. In the past week, 32 positive COVID results were reported among staff and residents of residential facilities (mostly long-term living) across TRPHD”

<sup>6</sup> For information on residential facilities, please see appendix 3  
 516 W 11<sup>th</sup> Street, Suite 108  
 Kearney, NE 68845



- Non-routine testing refers to tests that are **not** conducted in residential and long-term living facilities. <sup>7</sup> These COVID tests are conducted mainly in hospitals, clinics and pharmacies. Details are provided below.

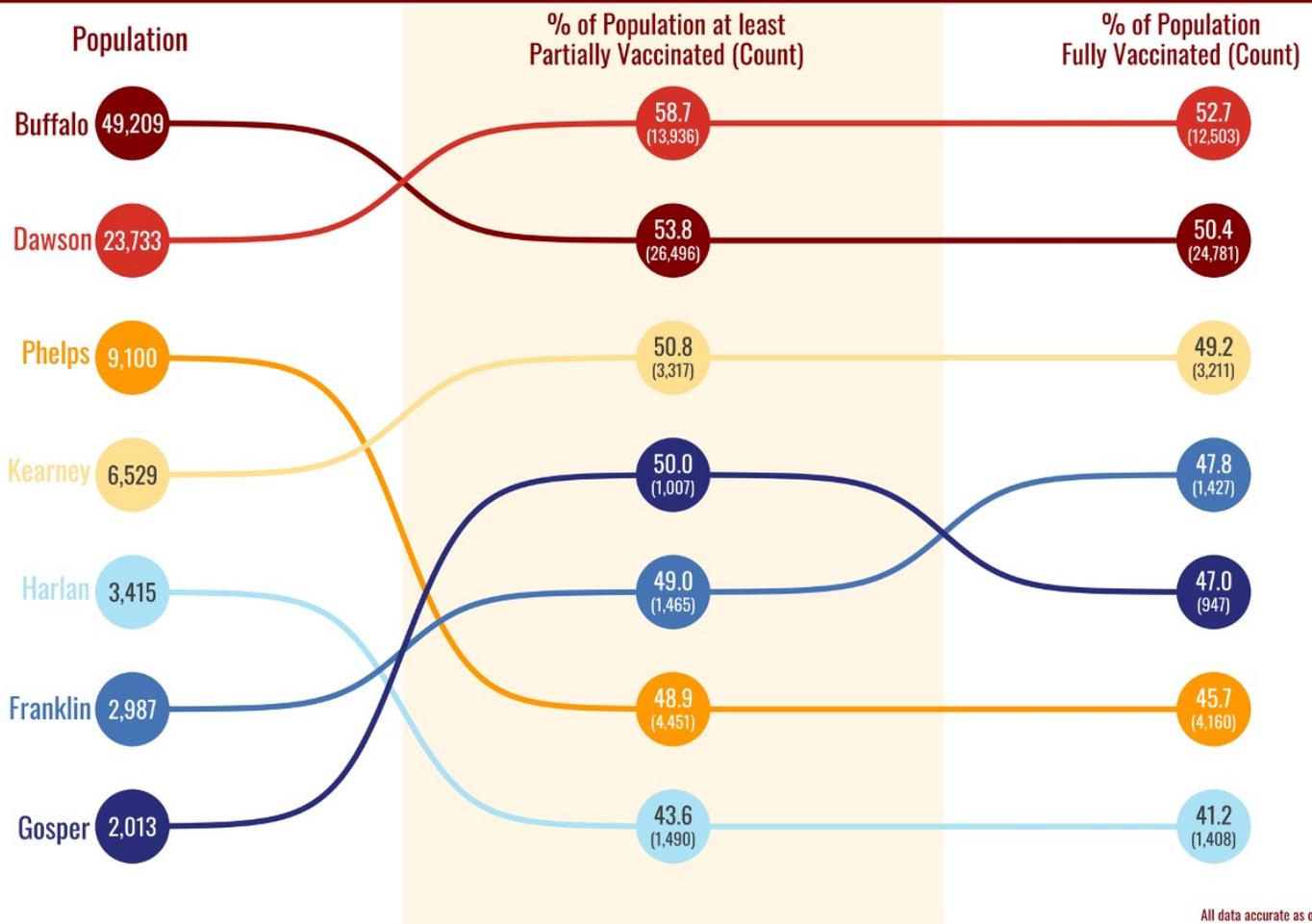
	Feb 2 - Feb 8 (1 week)			Jan 12- Feb 8 (4 weeks)		
	Total tests conducted	Positive cases	P. rate (%)	Total tests conducted	Positive cases	P. rate (%)
<b>County</b>						
Buffalo	636	173	27.2%	5,059	1815	35.9%
Dawson	309	53	17.2%	1,501	520	34.6%
Franklin	20	3	15.0%	97	36	37.1%
Gosper	18	8	44.4%	87	37	42.5%
Harlan	11	3	27.3%	41	20	48.8%
Kearney	38	12	31.6%	387	213	55.0%
Phelps	70	28	40.0%	522	347	66.5%
Data missing/ not disclosed	6	1	16.7%	41	13	31.7%
<b>Total</b>	<b>1,108</b>	<b>281</b>	<b>25.4%</b>	<b>7,735</b>	<b>3,001</b>	<b>38.8%</b>
<b>Age (in yrs)</b>						
0-17	201	52	25.9%	1,325	519	39.2%
18-29	222	53	23.9%	1,622	657	40.5%
30-39	149	40	26.8%	1,149	517	45.0%
40-49	126	35	27.8%	898	399	44.4%
50-59	140	45	32.1%	869	362	41.7%
60-69	113	26	23.0%	725	299	41.2%
70-79	82	19	23.2%	533	165	31.0%
80-89	75	11	14.7%	613	83	13.5%
<b>Total</b>	<b>1108</b>	<b>281</b>	<b>25.4%</b>	<b>7,734</b>	<b>3001</b>	<b>38.8%</b>
<b>Gender</b>						
Female	636	167	26.3%	4,599	1684	36.6%
Male	450	112	24.9%	3,078	1306	42.4%
Data missing/ not disclosed	22	2	9.1%	57	11	19.3%
<b>Total</b>	<b>1108</b>	<b>281</b>	<b>25.4%</b>	<b>7,734</b>	<b>3,001</b>	<b>38.8%</b>

<sup>7</sup> For information on residential facilities, please see appendix 3  
 516 W 11<sup>th</sup> Street, Suite 108  
 Kearney, NE 68845



- The graph below describes **all TRPHD residents who are fully vaccinated** against COVID-19 between **December 15, 2020 - February 8, 2022**. All residents of the seven counties are included although the vaccine is currently available only to those 5 years or over.
- Each county is depicted by a colored circle, and the relative position of each corresponds to the proportion vaccinated. Actual numbers (count) are included in parenthesis.
- **Overall, 51% of TRPHD's total population and 62% of all adult residents (18 years and over) have received the minimum prescribed dose of vaccine (2 for Pfizer, Moderna, 1 for Janssen).**

## Vaccinations of Total Population in TRPHD





- The graph below describes 7-day rolling average of COVID-19 across TRPHD from **April 1, 2020 – Feb 8, 2022.**
- The second graph describes 7-day rolling average of COVID-19 cases by age across TRPHD for the same time period. The height of the graph corresponds to total cases and the thickness of each colored band corresponds to each age group.

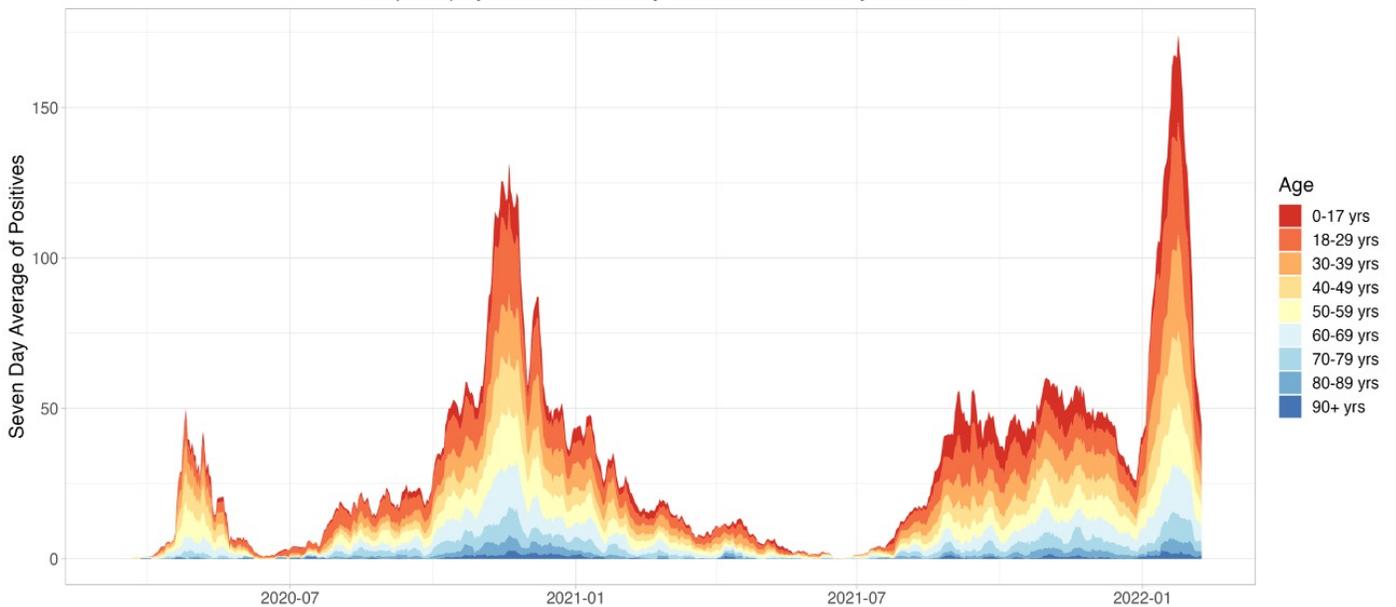
### 7 Day Rolling Average of Two Rivers

Graph displays data from April 1st, 2020 to February 8th, 2022



### Daily Average of COVID-19 Cases in TRPHD by Age

Graph displays data from January 11th, 2022 to February 8th, 2022

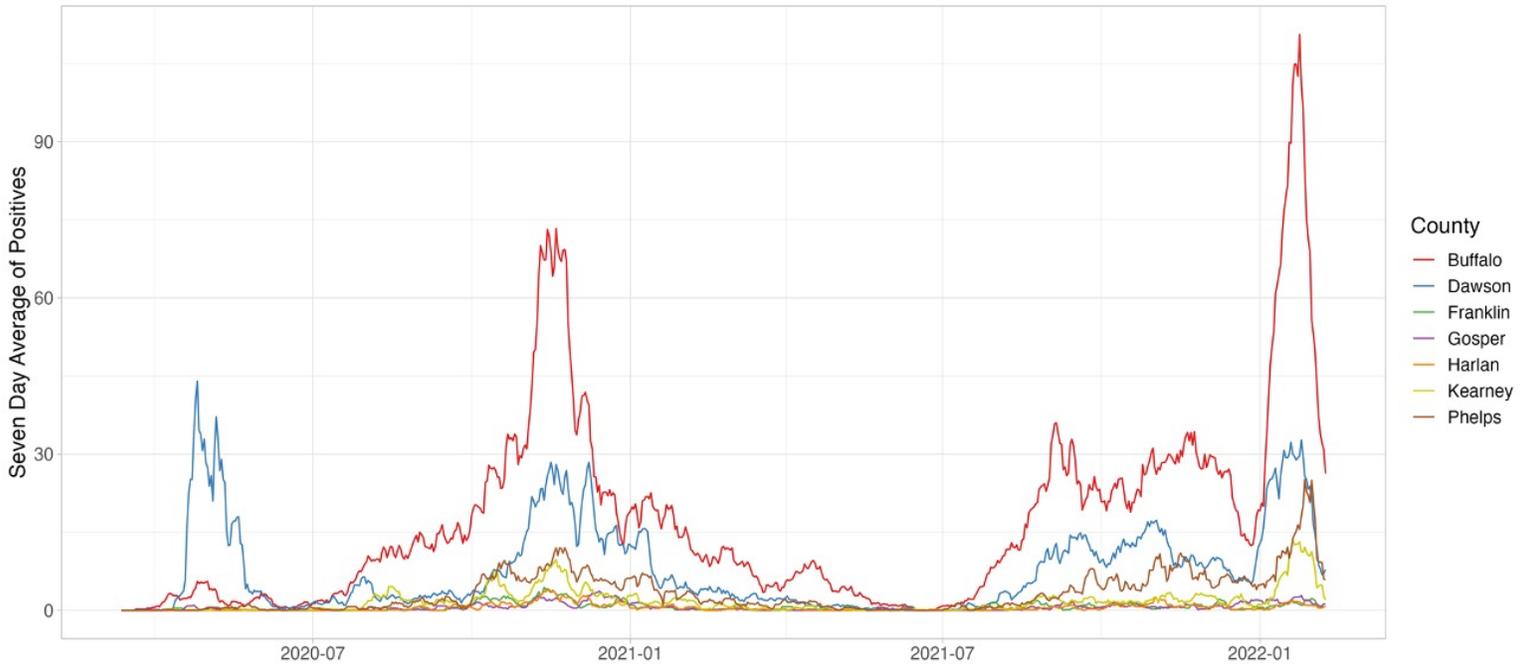




- The graphs below describe the **daily average of COVID cases** in TRPHD from **April 1, 2020 - February 8, 2022** in each of the 7 counties: Buffalo, Dawson, Franklin, Gosper, Harlan, Kearney & Phelps.
- The height of the bar graph represents the 7-day rolling average of COVID positive cases for all residents of that county.<sup>8</sup>

### Daily Average of COVID-19 Cases in TRPHD by County

Graph displays data from January 11th, 2022 to February 8th, 2022



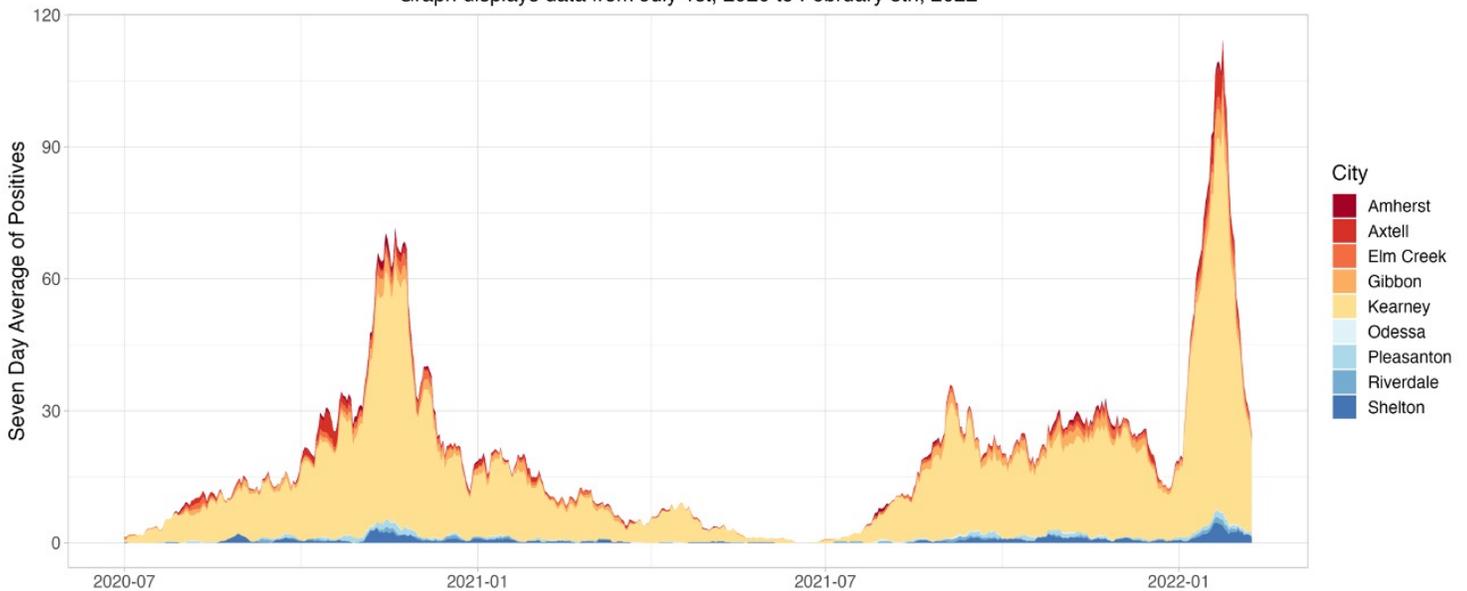
<sup>8</sup> 7-day rolling average refers to the sum of the cases reported on that day and the preceding 6 days divided by 7. This number is presented for each day to 'smooth out' the line for cases.



- The following graphs describe the average **daily COVID cases (7-day rolling)** in three urban areas in Two Rivers Health Department.
- The urban areas are Kearney city and surrounding towns (**Kearney, Elm Creek, Pleasanton, Amherst, Riverdale, Gibbon, Shelton and Axtell - total 39,412 people**), Lexington city and surrounding towns (**Lexington, Overton, Elwood, Johnson Lake and Cozad - total 15,700 people**), Holdrege city and surrounding towns (**Holdrege, Loomis and Funk - total 5967 people**).<sup>9</sup>
- Time considered is from **July 1, 2020 - Feb 8, 2022**. Scales are different for all three graphs
- The graph for Kearney city and surrounding areas is presented below.

### 7 Day Rolling Average of COVID-19 Cases by City

Graph displays data from July 1st, 2020 to February 8th, 2022



Information Updated as of 2/8 at 8 p.m.

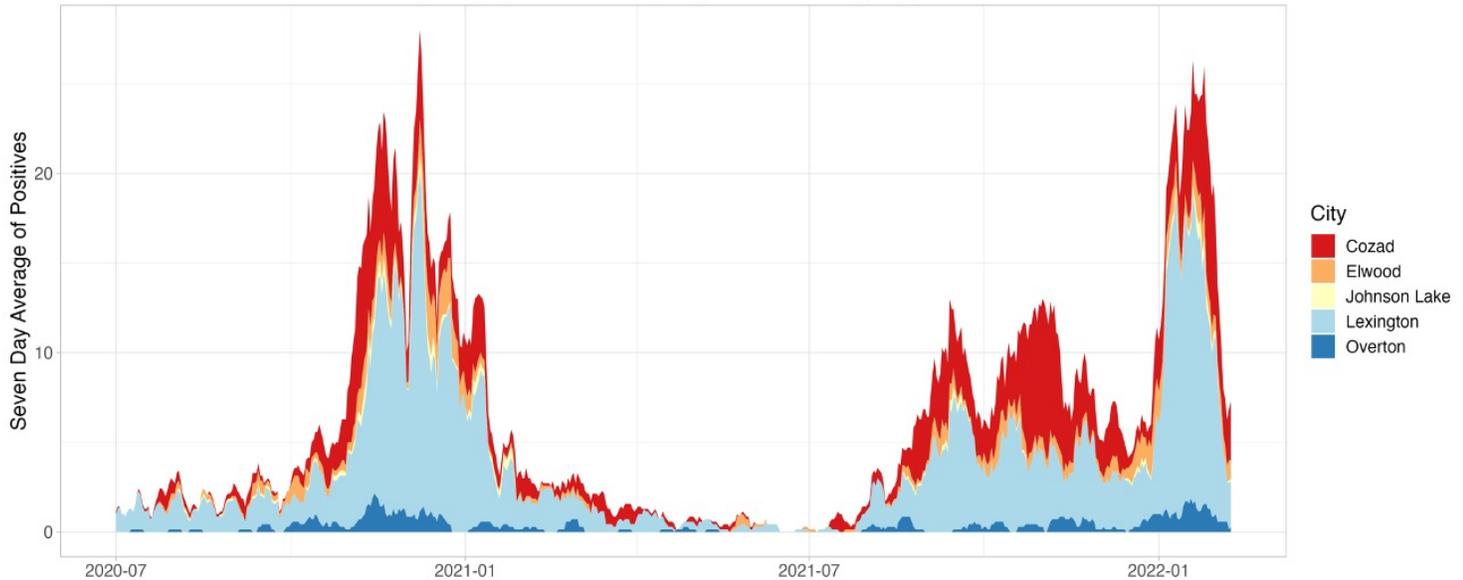
<sup>9</sup> For details about each of the urban areas, please see appendix 5  
516 W 11<sup>th</sup> Street, Suite 108  
Kearney, NE 68845



- The **daily average (7-day rolling)** of positive cases in **Lexington** and **Holdrege** cities and surrounding towns between July 1, 2020 – Feb 8, 2022 are presented below.

### 7 Day Rolling Average of COVID-19 Cases by City

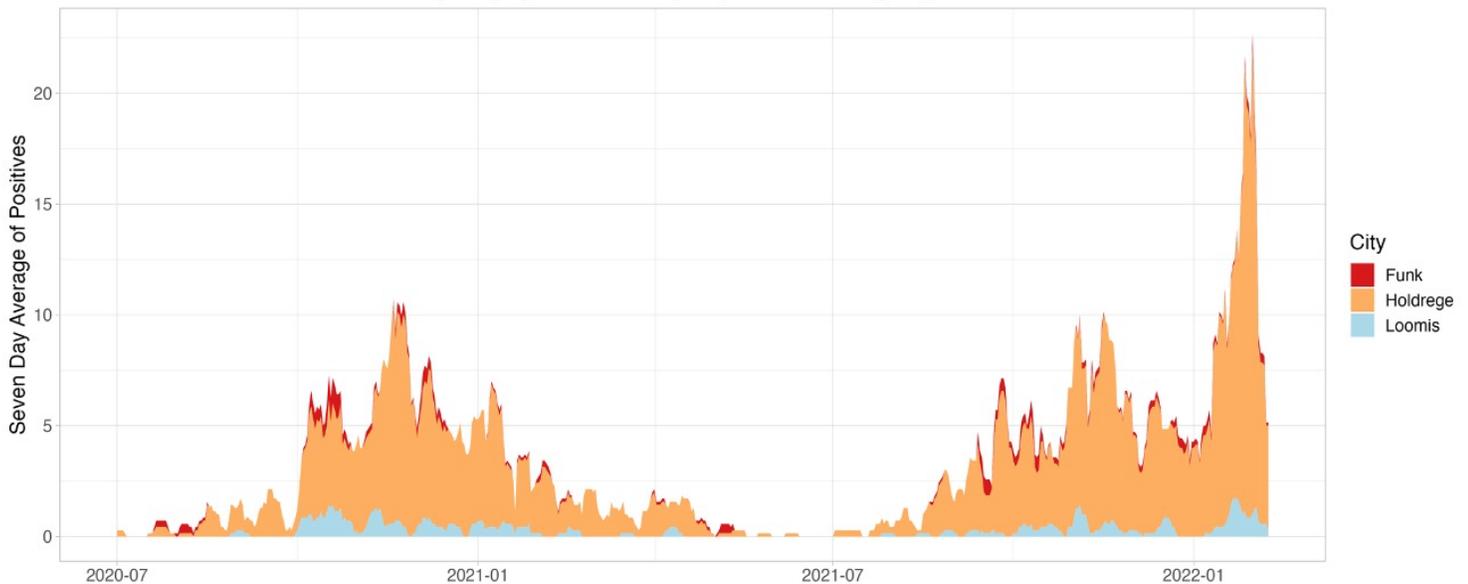
Graph displays data from July 1st, 2020 to February 8th, 2022



Information Updated as of 2/8 at 8 p.m.

### 7 Day Rolling Average of COVID-19 Cases by City

Graph displays data from July 1st, 2020 to February 8th, 2022



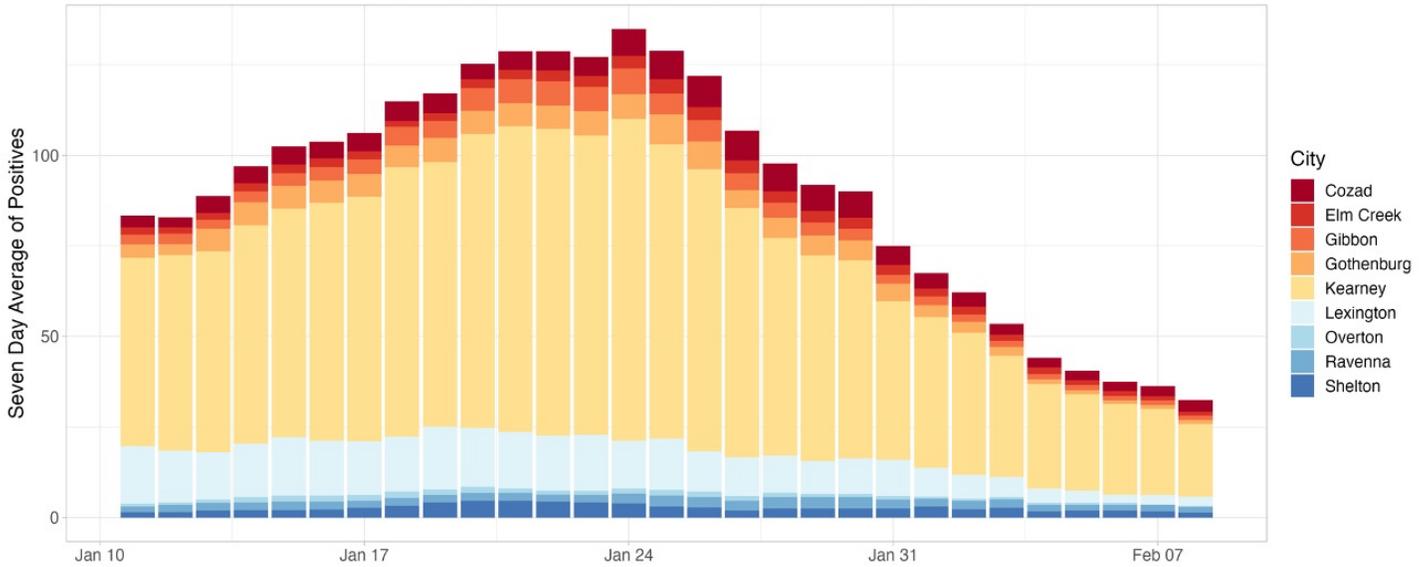
Information Updated as of 2/8 at 8 p.m.



- The following bar graphs describes the 7-day rolling averages by city for the past four weeks (**Jan 12 - Feb 8**) in TRPHD. The graph above shows cities in **Buffalo and Dawson** counties and the one below shows the graph for cities in **Gosper, Harlan, Kearney and Phelps** counties. The scale is different for both graphs.

### 7 Day Rolling Average of COVID-19 Cases Buffalo and Dawson County

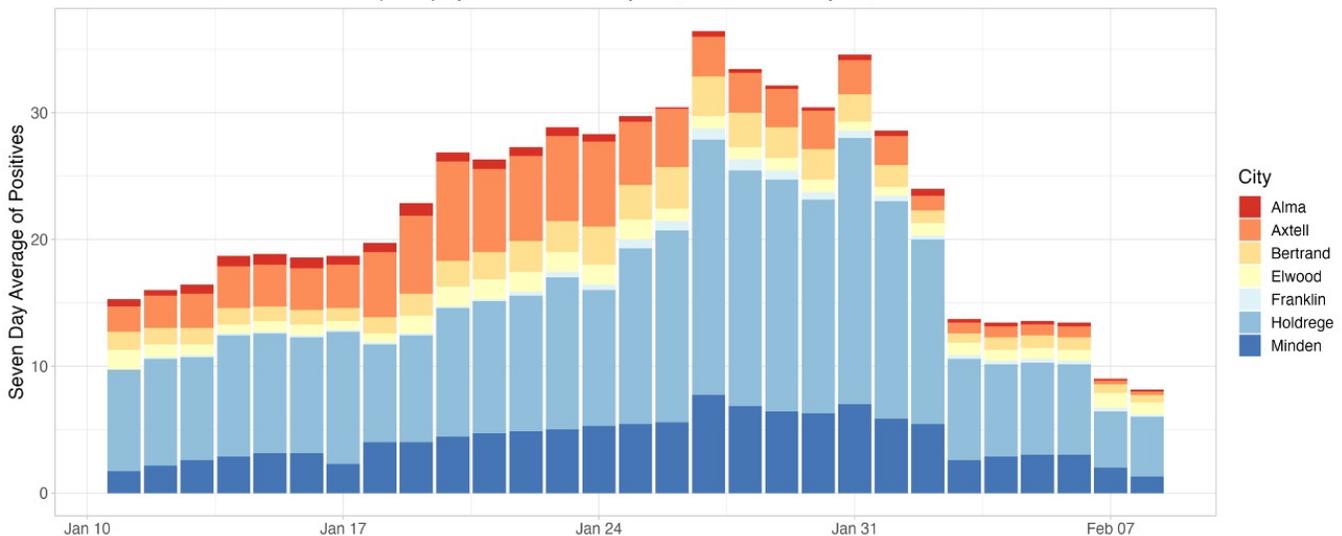
Graph displays data from January 11th, 2022 to February 8th, 2022



Information Updated as of 2/8 at 8 p.m.

### 7 Day Rolling Average of COVID-19 Cases Gosper, Franklin, Kearney, and Phelps County

Graph displays data from January 11th, 2022 to February 8th, 2022



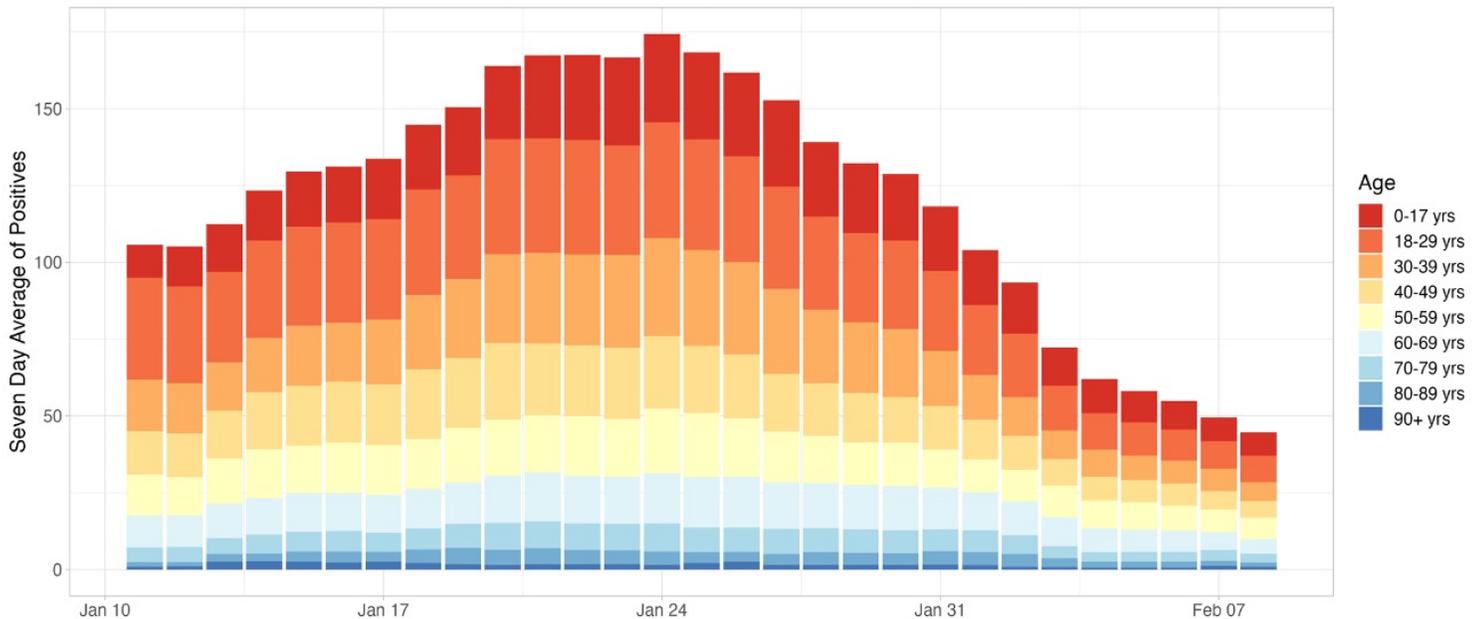
Information Updated as of 2/8 at 8 p.m.



- The graph below describes the **7-day rolling average** of cases from **Jan 12 – Feb 8** by age. The height of the graph corresponds to total cases and the thickness of each colored band corresponds to each age group.

### 7 Day Rolling Average of COVID-19 Cases in Two Rivers by Age

Graph displays data from January 11th, 2022 to February 8th, 2022



Information Updated as of 2/8 at 8 p.m.



### Weekly summary

- 313 cases of COVID-19 were recorded in TRPHD between February 2 - February 8. This represents a 58% drop in new cases compared to the previous week. Weekly case rates are now comparable to the average new cases per week seen between September and December 2021.
- Test positivity rate is over 25% among residents below 40 years, however it has been steadily falling over the last two weeks. Positivity rates have fallen across all age groups in the last month. TRPHD announced an additional 17 deaths due to COVID this week, taking the total toll for the district to 197.
- As of Feb 8<sup>th</sup>, a little over 51% of the total population of TRPHD has received the minimum prescribed dose of the COVID-19 vaccine. Vaccination rates have shown little appreciable difference in the past month, perhaps predictive of long-term trends. The risk of hospitalization or serious illness following infection is significantly higher for unvaccinated persons.
- As of Tuesday morning, there were 7 ICU beds available in TRPHD. Over 40% of ICU beds were occupied by COVID positive patients..
- COVID testing is available at the Buffalo County Fairgrounds (Kearney city) Mondays & Wednesdays 9:30AM - 12:30PM. Those interested are required to register at [www.trphd.org](http://www.trphd.org) for scheduling.
- TRPHD strongly urges all unvaccinated vaccine-eligible residents to avail of the COVID vaccination through their healthcare provider, pharmacy or TRPHD. For schedule of vaccination clinics, see [www.trphd.org](http://www.trphd.org)

*To conclude, 313 new COVID cases were detected in the Two Rivers area last week. Test positivity rate outside long term care facilities is still over 25%, but represents the second week of continued decline in new cases. A little over half of TRPHD's population is fully vaccinated and over 22% has received a booster dose. TRPHD has scheduled vaccination clinics across the district, schedule can be found at <https://www.trphd.org/covid-19/event-calendar.html>. TRPHD is operating a public COVID testing site at the Buffalo County Fairgrounds 9:30 AM – 12:30 PM, Mondays and Wednesdays. Those eligible for vaccines or booster doses are advised to contact their physician or their local pharmacy. To access services through Two Rivers health department, residents are required to visit [www.trphd.org](http://www.trphd.org) to register an appointment (for COVID testing or vaccination).*

## APPENDIX 1

### Background

516 W 11<sup>th</sup> Street, Suite 108  
Kearney, NE 68845

888-669-7154  
trphd.org



The Two Rivers Public Health Department (TRPHD) covers 7 counties in central Nebraska, reaching 97,132 people who live and work in the health district spread across roughly 4663 square miles. Over three quarters of residents live in Buffalo and Dawson county, a tenth live in Phelps county, and the remaining 15% is spread somewhat comparably among the four counties of Kearney, Harlan, Franklin and Gosper in decreasing order of population. The largest cities are Holdrege (pop. 5408), Lexington (pop. 10115) and Kearney (pop. 33867) meaning that well over half the residents of TRPHD live in three cities, and over a third are in Kearney alone. The population of all 7 counties in TRPHD are shown below.

County	Population
Buffalo	49,659
Dawson	23,595
Franklin	2,979
Gosper	1,990
Harlan	3,380
Kearney	6,495
Phelps	9,034
<b>TRPHD total</b>	<b>97,132</b>
Nebraska state	1,934,408
United States	328,239,523

- Data is presented as 7-day rolling averages for daily numbers and absolute counts for cumulative cases. The 7-day rolling average is the sum of all cases reported on that day plus the previous six divided by 7.
- Total (cumulative) cases refer to all COVID cases that have been confirmed by testing in the district since the beginning of the pandemic in TRPHD (March 19)
- All tests refers to all types of tests conducted across the Health District, including laboratory-based PCR and rapid antigen.
- Average positivity rate refers to a seven-day rolling average positivity rate, which is the sum of all cases for that day and the previous six divided by the sum of all tests done in that day and the previous six. This is also the same as the “weekly positivity rate”
- In cases that call for comparison across larger areas (counties v/s state of Nebraska, for eg), we present the count per 100,000 population. 100,000 roughly corresponds to the population of Two Rivers Health District (97,132)
- In cases that call for comparison between cities, (Kearney v/s Minden for eg), we present a count per 10,000 population. 10,000 roughly corresponds to the population of Lexington (10,115), the second largest city in TRPHD.
- Deaths due to COVID-19 are identified in death certificates (usually COVID -19 is the Underlying Cause of Death) and attested by the attending physician or medical examiner/ coroner. Each case is further investigated by TRPHD over telephone - the next of kin is contacted, condolences conveyed and exit interviews conducted by Department staff before releasing a public notification. For further details on the procedure for COVID-



19 death certification, please see <https://www.cdc.gov/nchs/data/nvss/vsrg/vsrg03-508.pdf>

- For calculation, we use the 2019 mid- year census estimate (American Community Survey, ACS) and data from The Atlantic’s COVID tracking project (<https://covidtracking.com/data>)

## APPENDIX 2

### **Total (cumulative) cases per 100,000 population**

The total/ cumulative case counts are the **total** cases confirmed by testing in an area (county, city, state or health district) calculated from the first recorded case (in case of TRPHD this is March 19, 2020). This is expressed as a fraction of the total population of the area and standardized to 100,000 persons. A population of 100,000 is used to compare counties as it is comparable to the overall population of Two Rivers Health District (97,032).

Total (cumulative) cases / 100,000 persons is calculated as:

**[(Total positive test results for residents in the region)] / (mid-year population) \* 100,000**

### **Daily average of cases per 100,000 population**

**The daily average (7-day rolling) of cases** is the sum of all cases reported on that day plus the previous six divided by 7. This is expressed as a fraction of the total population of the area and standardized to 100,000 persons. A population of 100,000 is used to compare counties as it is comparable to the overall population of Two Rivers Health District (97,032).

Daily average of cases / 100,000 persons is calculated as:

**[(7-day rolling average of cases among residents)] / (mid-year population) \* 100,000**

## APPENDIX 3

About a third of all tests conducted since March in the district have been availed by residents or staff of residential facilities. “Residential facilities” include long-term care facilities, in-patient psychiatry services, retirement villages, veterans’ homes and correctional facilities within Two Rivers Health District.

Considering the specific nature of COVID risk of long-term residents of institutional facilities and taking into account the frequent testing performed at facilities, we present numbers separately for long term care facilities and others in the district.



## APPENDIX 4

### Vaccines used in TRPHD

In the first phase, COVID-19 vaccines have been approved for use in all persons over the age of 16 years. Currently, Pfizer and Moderna vaccine formulations are being offered in Two Rivers Health District. Use of the Johnson & Johnson (Janssen) vaccine formulation has been paused pending further scrutiny by the Food and Drug Administration (FDA).

The Nebraska Department of Health and Human Services paused use of the Johnson & Johnson (Janssen) COVID-19 vaccine after Centers for Disease Control and Prevention (CDC) and Food and Drug Administration (FDA) recommendations following reports of six women who have been hospitalized with severe blood clots after receiving the vaccine dose, including one woman in Douglas county. The women were aged between 18-48 years. Vaccine use was reinstated on April 26, 2021 and is now available at private pharmacies across the state.

To date, over 6.8 million doses of Janssen vaccine have been administered in the United States, over 31,500 in Nebraska, and 1560 in Two Rivers Health District.

Symptoms in the 6 hospitalized individuals included headache, back pain, other unexplained pain. Symptoms typically began 6-13 days after vaccination, and hospital admission was within 15 days, on average. More than 55% of the Janssen vaccine was administered before 22nd of March in Two Rivers Health District.



## APPENDIX 5

### Methods & Definitions

To better understand the course of the COVID-19 pandemic in Kearney, Lexington and Holdrege, we created ‘urban areas’ that included both the city and its surrounding towns. We included all towns within 20 miles of Kearney city, 15 miles of Lexington and 10 miles of Holdrege within each city’s urban area. The respective populations of all 7 counties in TRPHD are shown below. Kearney city accounts for over third of the population of TRPHD.

County	Population
Buffalo	49209
Dawson	23733
Franklin	2987
Gosper	2013
Harlan	3415
Kearney	6529
Phelps	9100
<b>TRPHD total</b>	<b>96986</b>
Nebraska state	1,934,408

Thus “Kearney area” includes Kearney city as well as Elm Creek, Pleasanton, Amherst, Riverdale, Odessa, Gibbon, Shelton and Axtell.

“Lexington area” includes Lexington city as well as Overton, Johnson Lake and Cozad.

“Holdrege area” includes Holdrege city, Loomis and Funk.

The populations of cities and villages is described below. Also included are Minden and Gothenburg, used as comparison points in descriptive statistics about the area.

CITY	POPULATION
Kearney	33867
Elm Creek	949
Axtell	751
Pleasanton	359
Riverdale	179
Amherst	253
Gibbon	1869
Shelton	1055
Odessa	130
<b>KEARNEY URBAN AREA (TOTAL)</b>	<b>39412</b>
Lexington	10115
Overton	567
Johnson Lake	600



Elwood	683
Cozad	3735
<b>LEXINGTON URBAN AREA (TOTAL)</b>	<b>15,700</b>
Holdrege	5408
Funk	183
Loomis	376
<b>HOLDREGE URBAN AREA (TOTAL)</b>	<b>5967</b>
Gothenburg	3489
Minden	2890

For presenting data, we selected 3 time frames:

- a) April 1 - current (From the beginning of the pandemic to most recent Tuesday)
- b) July 01 - current (From the beginning of second sustained 'wave' in daily case counts to current)
- c) Previous 4 weeks
  - Data is presented as 7-day rolling averages for daily numbers and absolute counts for cumulative cases. The 7-day rolling average is the sum of all cases reported on that day plus the previous six divided by 7.
  - Cumulative cases refer to all cases that have been confirmed in the district since the beginning of the pandemic in TRPHD (March 19)
  - Average positivity rate refers to a seven-day rolling average positivity rate, which is the sum of all cases for that day and the previous six divided by the sum of all tests done in that day and the previous six
    - Average positivity rate (in %) = (Sum of positive cases for current day + previous 6 days) / (Sum of total tests for current day + previous six days)
  - In cases that call for comparison across larger areas (counties v/s state of Nebraska, for eg), we present the count per 100,000 population. 100,000 roughly corresponds to the population of Two Rivers Health District (97,132)
  - In cases that call for comparison between cities, (Kearney v/s Minden for eg), we present a count per 10,000 population. 10,000 roughly corresponds to the population of Lexington (10,115), the second largest city in TRPHD.
  - For calculation, we use the 2019 mid- year estimate (American Community Survey, ACS) and data from The Atlantic's COVID tracking project (<https://covidtracking.com/data>)