



Southwest Nebraska Public Health Department

PREVENT • PROMOTE • PROTECT

- 55 cases of COVID-19 were recorded in Southwest Nebraska Public Health Department (SWNPHD) in the past week (Jul 11 – Jul 17). In the past 8 weeks, the nine county area of SWNPHD has averaged 50 new COVID cases per week for all weeks except one.
- 44% of all SWNPHD residents have received the minimum vaccination dose (1 or 2 shots). 43.3% of these persons have received at least one booster vaccine shot. Over 92% of persons aged 65 years and over have received at least one booster dose.
- Test positivity rates have shown a mild increase but have fallen again. Incidence rates in July mirror the rates seen in July 2021, but the increase seems more gradual (see attached graph)

Bi-weekly report Jul 4 – Jul 17, 2022

Overview

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

- The first table describes total COVID positive cases detected from **Jul 4 – Jul 17, 2022 (2 weeks)** & the past 4 weeks (**Jun 20 – Jul 17, 2022**) in Chase, Dundy, Hayes, Hitchcock, Frontier, Furnas, Keith, Perkins and Red Willow counties. Positive results are described as weekly and monthly **COVID cases/10,000 population**.
- The second table describes all COVID tests conducted in SWNPHD from **Jul 4 – Jul 17, 2022 (2 weeks)** & the past 4 weeks (**Jun 20 – Jul 17, 2022**). We describe **total tests, positive cases and test positivity rate** by age and gender.
- The third table shows the **proportion of persons fully vaccinated** in SWNPHD. We define “fully vaccinated” as the proportion of persons who have received the minimum recommended dose (2 for Pfizer & Moderna; 1 for Janssen vaccines). Data is described by **county and age** category. Data current as of **Jul 17, 2022**.
- The first graph looks at the weekly progress of the pandemic from **April 1, 2020 – Jul 17, 2022** across all 9 counties in SWNPHD. We describe the **daily COVID positive case rate (7-day rolling average¹)** across SWNPHD.
- The second graph describes the **average daily case rate (7-day rolling) by age** from **April 1, 2020 – Jul 17, 2022**, dividing the population by **10-year age categories**.
- The third graph describes the **daily COVID tests** in SWNPHD from **April 17, 2020 – July 17, 2022** further divided as **positive or negative**. The graph also describes the average **test positivity rate (7-day rolling average)²**.

¹ 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.

² (7-day rolling average) test positivity rate = (Sum of positive results for preceding 7 days) / (Sum of all tests conducted in the preceding 7 days)

The table below describes COVID positives/10,000 population and the positivity rate for the **past 2 weeks (Jul 4 – Jul 17, 2022)** & the past 4 weeks (**Jun 20 – Jul 17, 2022**)

	Total Population	Jul 4 – Jul 17 (2 weeks)		Jun 20 – Jul 17 (4 weeks).	
		Positive cases/10,000 population	Test Positivity rate	Positive cases/10,000 population	Test Positivity rate
Chase	3,734	32.1	34.3%	141.9	53.5%
Dundy	2,023	19.8	3.0%	24.7	2.0%
Frontier	2,609	23.0	18.8%	46.0	18.2%
Furnas	4,786	31.3	21.7%	58.5	18.9%
Hayes	943	0.0	0.0%	0.0	0.0%
Hitchcock	2,843	10.6	1.5%	52.8	3.8%
Keith	8,099	40.7	28.2%	92.6	21.6%
Perkins	2,907	17.2	17.9%	37.8	15.1%
Red Willow	10,806	23.1	7.5%	55.5	7.3%
TOTAL	38,750	26.6	10.8%	66.8	11.7%

The table below describes COVID tests conducted, positives and the positivity rate by age and gender for the **past 2 weeks (Jul 4 – Jul 17, 2022)** & the past 4 weeks (**Jun 20 – Jul 17, 2022**)

Age (in yrs)	Jul 4 – Jul 17 (2 weeks)			Jun 20 – Jul 17 (4 weeks).		
	Tests	Positive cases	Test Positivity rate	Tests	Positive cases	Test Positivity rate
0-17	53	8	15.1%	108	16	14.8%
18-29	136	8	5.9%	305	29	9.5%
30-39	112	18	16.1%	262	32	12.2%
40-49	138	18	13.0%	279	27	9.7%
50-59	125	8	6.4%	320	26	8.1%
60-69	128	16	12.5%	309	39	12.6%
70-79	85	15	17.6%	198	43	21.7%
80-89	180	12	6.7%	441	47	10.7%
Total	957	103	10.8%	2,222	259	11.7%
Gender						
Female	712	63	8.8%	1,631	159	9.7%
Male	245	40	16.3%	586	100	17.1%
Missing/ did not disclose	0	0	0.0%	5	0	0.0%
Total	957	103	10.8%	2,222	259	11.7%

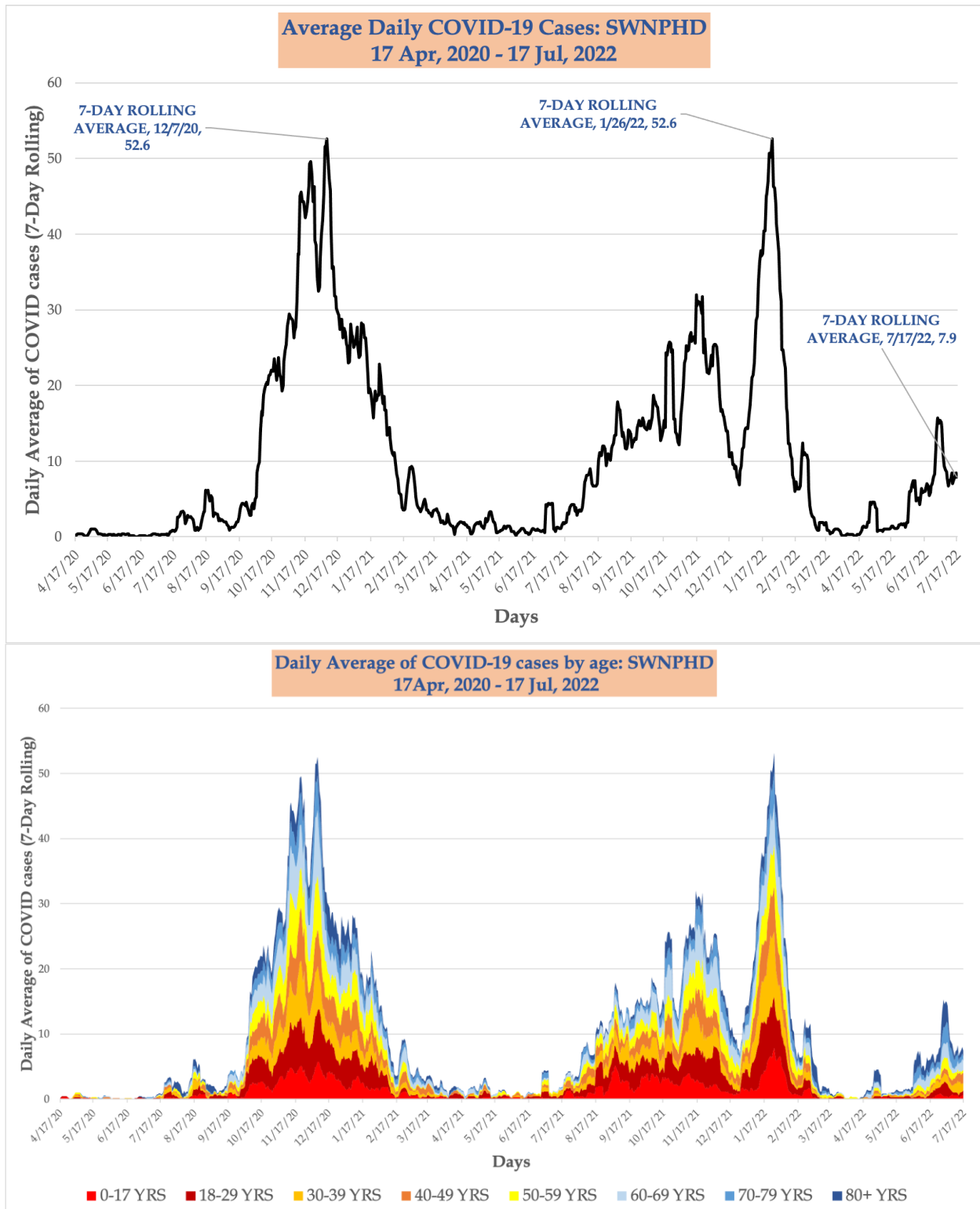
- Details of vaccination rates by age in each of the nine counties in Southwest Nebraska Public health District is shown below. The legend for color codes used is also displayed. Percentages have been rounded off to the nearest whole number. Vaccines are currently available to all eligible residents aged 5 years and over.
- Only 1st (Janssen) & 2nd doses (Moderna & Johnson & Johnson) have been considered, booster doses have not been counted to calculate the “completely vaccinated” rate. Data spans the period from **15 Dec, 2020 – 17 Jul, 2022.** ³

	0-19 YRS	20-34 YRS	35-44 YRS	45-54 YRS	55-64 YRS	65-74 YRS	75-84 YRS	85+ YRS	ALL AGES
Chase	12%	35%	38%	47%	50%	84%	75%	70%	43%
Dundy	7%	21%	23%	33%	40%	67%	101%	39%	30%
Frontier	7%	31%	37%	44%	50%	61%	56%	94%	37%
Furnas	16%	42%	50%	51%	62%	83%	92%	76%	51%
Hayes	8%	24%	34%	19%	30%	73%	49%	37%	29%
Hitchcock	7%	23%	36%	35%	47%	77%	53%	66%	36%
Keith	15%	38%	44%	44%	61%	65%	68%	85%	46%
Perkins	10%	32%	41%	47%	53%	73%	80%	55%	41%
Red Willow	11%	34%	45%	44%	59%	93%	68%	87%	44%
SWNPHD	12%	34%	42%	44%	55%	77%	70%	74%	43%

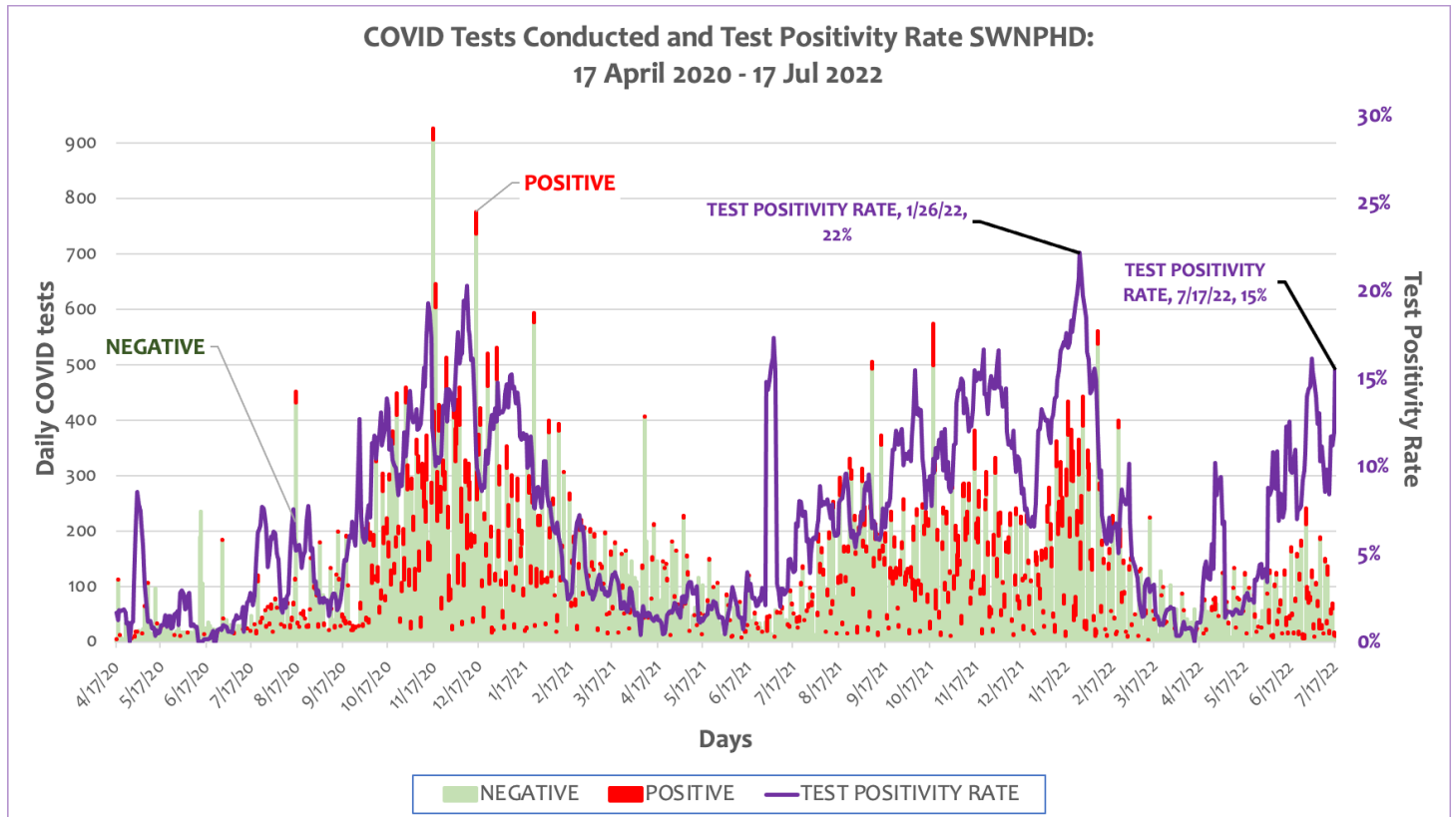
0% - 24%	Less than 1/4th received 1 or 2 dose as recommended
25% - 49%	1/4ths to 1/2 received 1 or 2 dose as recommended
50%- 74%	1/2 to 3/4ths received 1 or 2 dose as recommended
75% & higher	Over 3/4ths received 1 or 2 dose as recommended

³ Due to routine corrections and changes in the data, the numbers of persons who are fully vaccinated has changed slightly from an earlier version of this table (date June 17th, 2022). This reflects corrections and refining of the data as part of routine data maintenance. In general, the most current version of this table may be treated as most accurate.

- The first graph below describes the **average daily number of new cases** across all 9 counties of Southwest Nebraska Public Health Department from 17 Apr 2020 – 17 Jul 2022. Daily average is depicted by the 7-day rolling average of cases.
- The second graph describes daily average of cases by age. Graph width represents average number of new COVID cases for the previous 7 days, and individual colors describe age
- In general, blue = 65+ years, Yellow & Orange = 35-64 year olds, Red = Less than 35 years olds.



- The graphs below describe the **daily COVID tests** in SWNPHD from **April 17, 2020 – July 17, 2022** further divided as **positive or negative** .
- The graph also describes the average **test positivity rate (7-day rolling average)**⁴ The graph depicts the entire district, ie Chase, Dundy, Furnas, Frontier, Hayes, Hitchcock, Keith, Perkins and Red Willow counties. **Test Positivity Rate in SWNPHD from 11 Jul – 17 Jul, 2022 is 15%**
- The height of the bar graph represents the total tests conducted on that day.
- The running line graph tracks 7-day positivity rate among all COVID tests in the last 25 months.
- Scale is different for the bar and line graph – see both axes



Southwest Nebraska Public Health Department serves Chase, Dundy, Frontier, Furnas, Hayes, Hitchcock, Keith, Perkins, and Red Willow counties. The website swhealth.ne.gov contains many resources and additional information helpful to prevent disease, promote and protect health. You can follow us on Facebook and Instagram. For questions about COVID-19, call 308-345-4223, one number three locations (McCook, Imperial & Ogallala), Southwest Nebraska Public Health Department.

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⁴ (7-day rolling average) test positivity rate = (Sum of positive results for preceding 7 days) / (Sum of all tests conducted in the preceding 7 days)