



Southwest Nebraska Public Health Department

PREVENT • PROMOTE • PROTECT

- 11 cases of COVID-19 were recorded in Southwest Nebraska Public Health Department (SWNPHD) between May 18 - May 24, 2022. In the past 4 weeks, 54 cases of COVID were reported from the 9-county area comprising Southwest Nebraska Health District.
- The 4-week average of new cases has more than doubled compared to the previous two months. Newer cases seem to be disproportionately among persons over 65 years old.
- Two additional deaths due to COVID-19 were reported to SWNPHD during this period, bringing the total to 112.
- 43% of all SWNPHD residents are fully vaccinated. The number of persons receiving their first dose of vaccine have generally declined for the past 3 months.

Weekly report May 18 – May 24, 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 **May 18 – May 24, 2022 (1 week)** & the past 4 weeks (**Apr 27 – May 24, 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 **May 18 – May 24, 2022 (1 week)** & the past 4 weeks (**Apr 27 – May 24, 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 **May 24, 2022**.
- The first graph looks at the weekly progress of the pandemic from **April 1, 2020 – May 24, 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 – May 24, 2022**, dividing the population by **10-year age categories**.
- The third graph describes the weekly number of persons who received their **first dose of COVID vaccine** in each of the 9 counties in SWNPHD, further describing **weekly vaccine recipients by age**. Data current as of **May 23, 2022**

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.

The table below describes COVID positives/10,000 population and the positivity rate for the **past week (May 18 – May 24, 2022)** & the past 4 weeks (**Apr 27 – May 24, 2022**)

	Total Population	May 18 – May 24 (1 week)		Apr 27 – May 24 (4 weeks).	
		Positive cases/10,000 population	Test Positivity rate	Positive cases/10,000 population	Test Positivity rate
Chase	3,734	2.7	7.1%	13.4	6.8%
Dundy	2,023	0.0	0.0%	0.0	0.0%
Frontier	2,609	0.0	0.0%	3.8	2.2%
Furnas	4,786	0.0	0.0%	8.4	2.7%
Hayes	943	0.0	0.0%	10.6	6.3%
Hitchcock	2,843	0.0	0.0%	10.6	1.3%
Keith	8,099	2.5	5.1%	3.7	2.0%
Perkins	2,907	3.4	4.5%	6.9	1.9%
Red Willow	10,806	6.5	8.6%	32.4	5.5%
TOTAL	38,750	2.8	3.9%	13.9	3.7%

The table below describes COVID tests conducted, positives and the positivity rate by age and gender for the **past week (May 18 – May 24, 2022)** & the past 4 weeks (**Apr 27 – May 24, 2022**).

Age (in yrs)	May 18 – May 24 (1 week)			Apr 27 – May 24 (4 weeks).		
	Tests	Positive cases	Test Positivity rate	Tests	Positive cases	Test Positivity rate
0-17	20	0	0.0%	98	1	1.0%
18-29	48	3	6.3%	219	8	3.7%
30-39	40	1	2.5%	183	7	3.8%
40-49	61	0	0.0%	238	2	0.8%
50-59	31	0	0.0%	208	3	1.4%
60-69	42	2	4.8%	184	8	4.3%
70-79	23	2	8.7%	114	6	5.3%
80-89	18	3	16.7%	215	19	8.8%
Total	283	11	3.9%	1,459	54	3.7%
Gender						
Female	205	6	2.9%	1,085	35	3.2%
Male	78	5	6.4%	374	19	5.1%
Total	283	11	3.9%	1,459	54	3.7%

Details of vaccination rates by age in each of the nine counties in Southwest Nebraska Public Health Department 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.

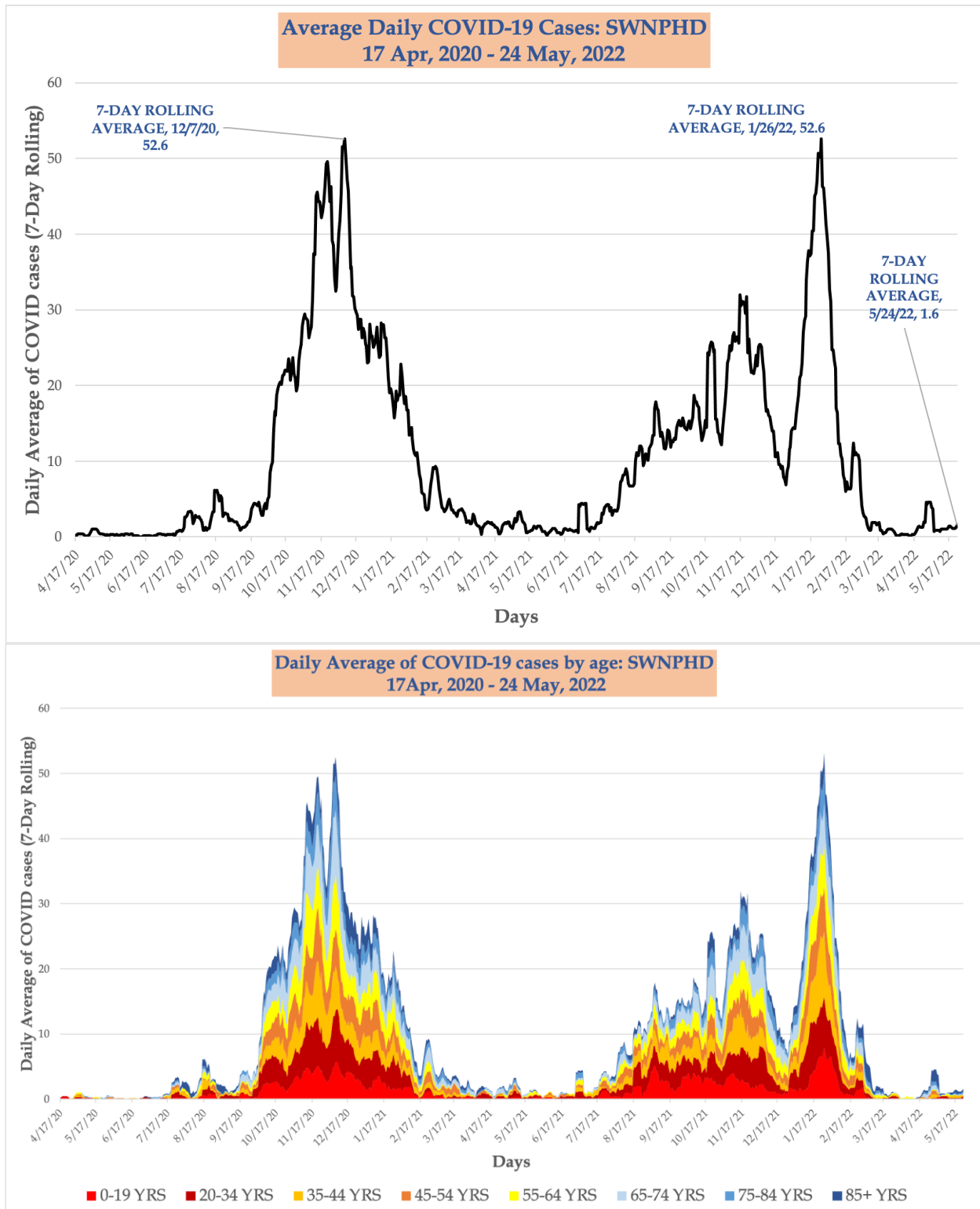
Only 1st (Janssen) & 2nd doses (Moderna & Johnson & Johnson) have been considered, booster doses have not been counted to calculate the “completely vaccinated” rate. Data spans the period from 15 Dec, 2020 – 24 May, 2022. ²

	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%	34%	38%	46%	50%	84%	74%	67%	43%
Dundy	7%	22%	23%	33%	41%	66%	103%	39%	31%
Frontier	7%	30%	37%	44%	50%	61%	56%	98%	38%
Furnas	16%	42%	50%	50%	62%	83%	92%	76%	51%
Hayes	8%	23%	34%	19%	30%	69%	46%	47%	28%
Hitchcock	7%	23%	35%	34%	47%	77%	52%	64%	36%
Keith	14%	37%	44%	44%	61%	64%	67%	85%	46%
Perkins	10%	31%	41%	47%	53%	73%	82%	56%	41%
Red Willow	11%	34%	45%	44%	59%	93%	68%	87%	44%
SWNPHD	11%	34%	42%	43%	55%	76%	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

² 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 April 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 5 May 2020 – 24 May 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 graph below describes the **weekly number of COVID vaccination first doses accessed by residents in SWNPHD (Chase, Dundy, Frontier, Furnas, Hayes, Hitchcock, Keith, Perkins, and Red Willow counties)** from 15 Dec 2020 – 23 May 2022.
- The height of the bar graph corresponds to the number of first doses of vaccine given to residents and the colors represent different age groups. The height of each colored band corresponds to the persons in that age group receiving their first dose of COVID vaccine that week.
- In general, Blue = 65+years, Yellow/Orange = 35-64 years, & Green = below 35 years

