



Southwest Nebraska Public Health Department

PREVENT • PROMOTE • PROTECT

- 1 case of COVID-19 was recorded in Southwest Nebraska Public Health Department (SWNPHD) between March 28 - April 3, 2022. In the past 4 weeks, 26 cases of COVID were reported from the 9-county area comprising Southwest Nebraska Health Department.
- 2 additional deaths from COVID-19 were confirmed in SWNPHD, bringing the total number of deaths to 109.
- 42% of all SWNPHD residents are fully vaccinated. About 41% of SWNPHD residents have either taken their booster doses or are ineligible for boosters or are currently within a 2 or 5 month interval since their final vaccine dose.

Weekly report Mar 28 – Apr 3, 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 **Mar 28 – Apr 3, 2022** (1 week) and **Mar 5 – Apr 3, 2022** (4 weeks) 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 **Mar 28 – Apr 3, 2022** (1 week) and **Mar 5 – Apr 3, 2022** (4 weeks). 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 **Apr 3, 2022**.
- The first graph looks at the weekly progress of the pandemic from **April 1, 2020 – Apr 3, 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 – Apr 3, 2022**, dividing the population by **10-year age categories**.
- The third set of graphs describe the **average daily case rate (7-day rolling) April 1, 2020 – Apr 3, 2022** in each of the 9 counties in SWNPHD, described as **per 10,000 residents**.
 - The first graph describes Chase, Keith, Red Willow, and Furnas counties
 - The second graph describes Hitchcock, Hayes, Perkins, Dundy, and Frontier counties

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 (Mar 28 – Apr 3, 2022)** & the past 4 weeks (**Mar 5 – Apr 3, 2022**)

	Total Population	Mar 28 – Apr 3 (1 week)		Mar 5 – Apr 3 (4 weeks).	
		Positive cases/10,000 population	Test Positivity rate	Positive cases/10,000 population	Test Positivity rate
Chase	3,734	0.0	0.0%	8.0	3.5%
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	2.1%
Hayes	943	0.0	0.0%	0.0	0.0%
Hitchcock	2,843	0.0	0.0%	0.0	0.0%
Keith	8,099	0.0	0.0%	16.1	2.1%
Perkins	2,907	0.0	0.0%	3.4	0.9%
Red Willow	10,806	0.9	3.4%	3.7	1.7%
TOTAL	38,750	0.3	0.3%	6.7	1.8%

The table below describes COVID tests conducted, positives and the positivity rate by age and gender for the **past week (Mar 28 – Apr 3, 2022)** & the past 4 weeks (**Mar 5 – Apr 3, 2022**).

Age (in yrs)	Mar 28 – Apr 3 (1 week)			Mar 5 – Apr 3 (4 weeks).		
	Tests	Positive cases	Test Positivity rate	Tests	Positive cases	Test Positivity rate
0-17	21	0	0.0%	76	1	1.3%
18-29	37	0	0.0%	235	3	1.3%
30-39	34	0	0.0%	171	4	2.3%
40-49	51	0	0.0%	193	0	0.0%
50-59	51	1	2.0%	227	6	2.6%
60-69	42	0	0.0%	217	3	1.4%
70-79	19	0	0.0%	122	3	2.5%
80-89	37	0	0.0%	207	6	2.9%
Total	292	1	0.3%	1,448	26	1.8%
Gender						
Female	206	1	0.5%	1,050	15	1.4%
Male	86	0	0.0%	391	11	2.8%
Data missing/ not disclosed	0	0	0.0%	7	0	0.0%
Total	292	1	0.3%	1,448	26	1.8%

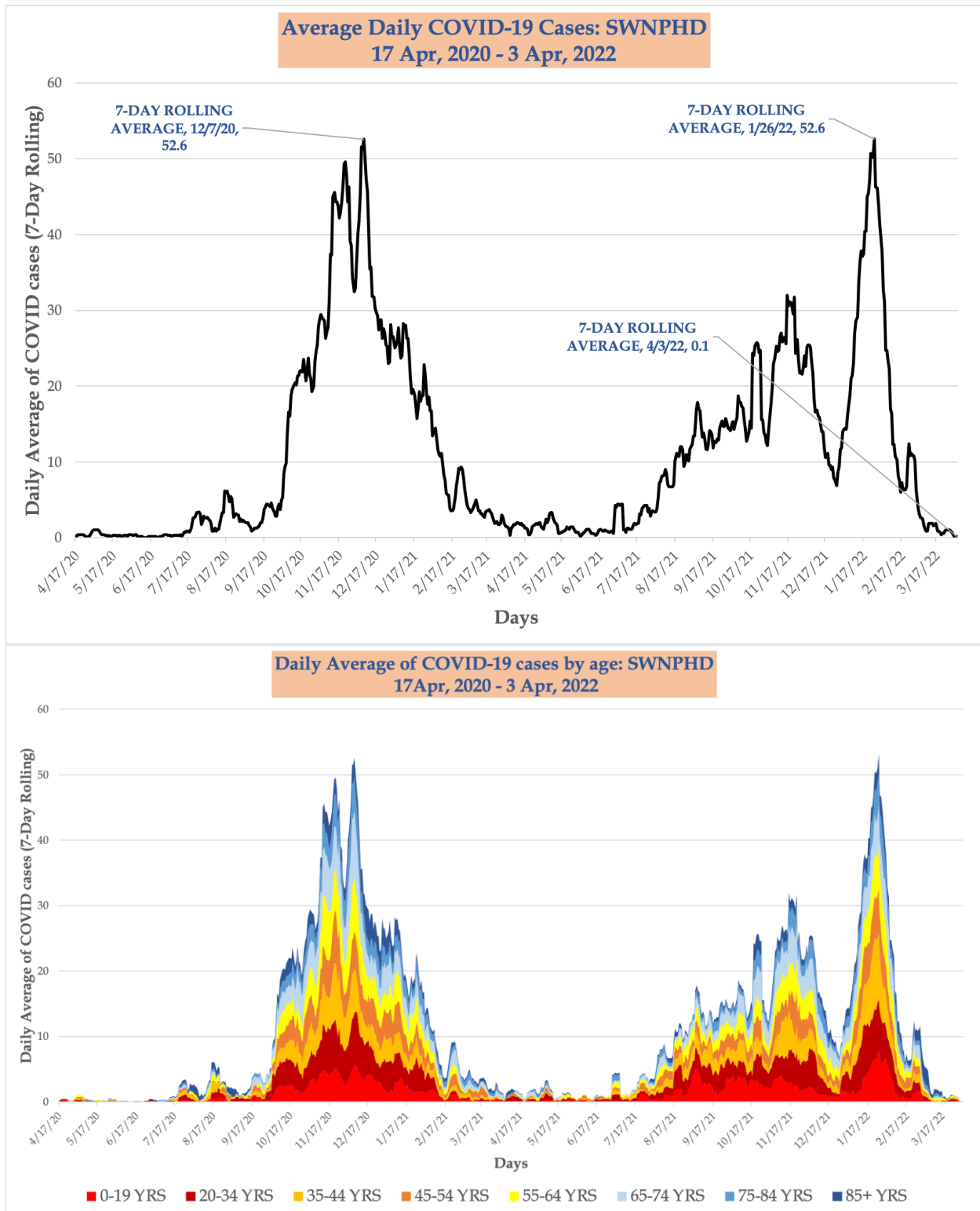
Details of vaccination rates by age in each of the nine counties in Southwest Nebraska Public Health Department is shown below. The legend for color codes used is also displayed. Percentages have been rounded off to the nearest whole number. Vaccines are currently available to all eligible residents 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. Date spans the period from 15 Dec, 2020 – 3 Apr, 2022.

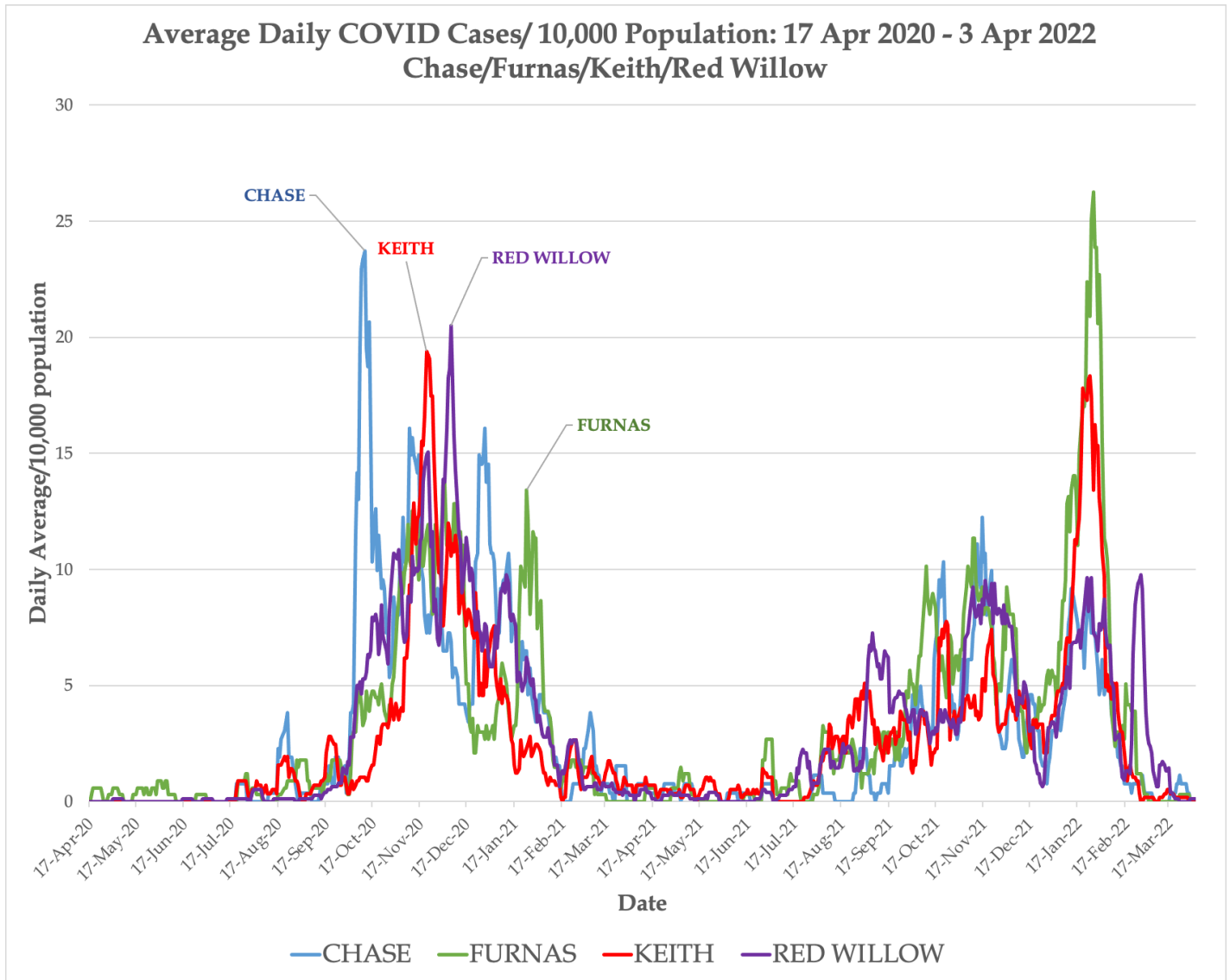
	0-19 YRS	20-34 YRS	35-44 YRS	45-54 YRS	55-64 YRS	65-74 YRS	75-84 YRS	85+ YRS	ALL AGES
Chase	12%	34%	38%	46%	50%	83%	73%	66%	43%
Dundy	7%	21%	23%	33%	41%	66%	100%	41%	31%
Frontier	7%	30%	37%	44%	50%	62%	54%	100%	38%
Furnas	15%	42%	49%	49%	61%	83%	92%	77%	50%
Hayes	8%	23%	33%	20%	30%	73%	48%	50%	29%
Hitchcock	6%	23%	35%	34%	47%	77%	52%	65%	36%
Keith	14%	37%	44%	43%	61%	64%	67%	85%	45%
Perkins	10%	31%	41%	47%	52%	73%	81%	56%	41%
Red Willow	11%	34%	45%	43%	59%	93%	68%	87%	44%
SWNPHD	11%	33%	41%	43%	55%	76%	69%	75%	42%

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

- 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 – 3 April 2022. Daily average is depicted by the 7-day rolling average of cases. The second graph describes the daily average of cases by age. The width of the graph represents the average number of new COVID cases for the previous 7-days, and the individual colors describe the ages.
- In general, blue = 65+ years, Yellow & Orange = 35-64 year olds, Red = Less than 35 year olds.



- The graph below describes the **average daily number of new cases/ 10,000 population in Chase, Keith, Red Willow, and Furnas counties** from 5 May 2020 – 3 Apr 2022. The height of the graph corresponds to the average number of new COVID cases proportional to the population of the county.



- The graph below describes the **average daily number of new cases/ 10,000 population in Hitchcock, Hayes, Perkins, Dundy, and Frontier counties** from 5 May 2020 – 3 Apr 2022. The height of the graph corresponds to the average number of new COVID cases proportional to the population of the county.

