

COVID-19 Vaccinations and Breakthrough Infections

Analysis based on new COVID-19 cases reported July 1-31, 2021

COVID-19 Vaccinations Work

- Measured at 21 day mark to allow for necessary immune response to first dose
- Two doses recommended for all vaccines currently offered in Saskatchewan
- It is anticipated that serious illness rates will continue to decrease as residents receive second doses
- Two weeks after second dose is when optimum protection begins

New COVID-19 Cases – July 2021

Total	Unvaccinated or First dose < 3 weeks	Vaccinated, First dose > 3 weeks	Vaccinated, Second dose > 2 weeks
1220	921	184	115
	75.5%	15.1%	9.4%

- Of the 1,220 cases reported in July, 31.6% were aged 19 years or younger; 18.4% were under 12.
- Of the 184 cases with a first dose, 13% (24) had comorbid conditions.
- Of the 115 cases with a second dose, 26.9% (31) had comorbid conditions.

COVID-19 Hospitalizations – July 2021

Total	Unvaccinated or First dose < 3 weeks	Vaccinated, First dose > 3 weeks	Vaccinated, Second dose > 2 weeks
83	66 (79.5%)	10 (12.0%)	7 (8.4%)

- Of the 10 hospitalized cases with a first dose, 60% (6) had comorbid conditions and 30% (three) were 70 years and older.
- 13.3% (11) were 19 years or younger; 7.2% (6) were under 12.
- Of the seven hospitalized cases with a second dose, most (57.1%) had comorbid conditions and 71.4% (5) cases were 70 years and older.

COVID-19 ICU Admissions – July 2021

Total	Unvaccinated or First dose < 3 weeks	Vaccinated, First dose > 3 weeks	Vaccinated, Second dose > 2 weeks
20	17 (85.0%)	2 (10.0%)	1 (5.0%)

- Of the two ICU admissions with a first dose, one case was aged 70 years or older and had comorbid medical conditions.
- The one ICU admission with a second dose in July was over 70 years and had comorbid medical conditions.
- None were 19 years and younger.

COVID-19 Deaths – July 2021

Total	Unvaccinated or First dose < 3 weeks	Vaccinated, First dose > 3 weeks	Vaccinated, Second dose > 2 weeks
4	4 (100.0%)	0 (0.0%)	0 (0.0%)

- Among the cases reported in July, the four (4) individuals who died were unvaccinated or in the first dose < 3 weeks group.
- None were 19 years or younger.
- **There were no deaths in individuals who were more than 21 days post first dose or fully vaccinated.**

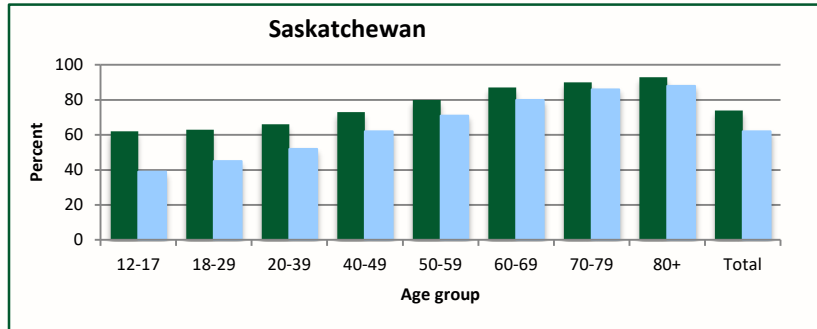
COVID-19 Hospitalizations – August 4

Age Group	Acute Care		ICU	
	COVID Infectious	COVID Non-infectious	COVID Infectious	COVID Non-infectious
19 and under	1			
20 to 29	3		1	1
30 to 39	4	1	1	
40 to 49	3	1	1	1
50 to 59	3	2	1	1
60 to 69	3	4	3	1
70 to 79	2	3	1	
80+	10	4		
Total	29	15	8	4

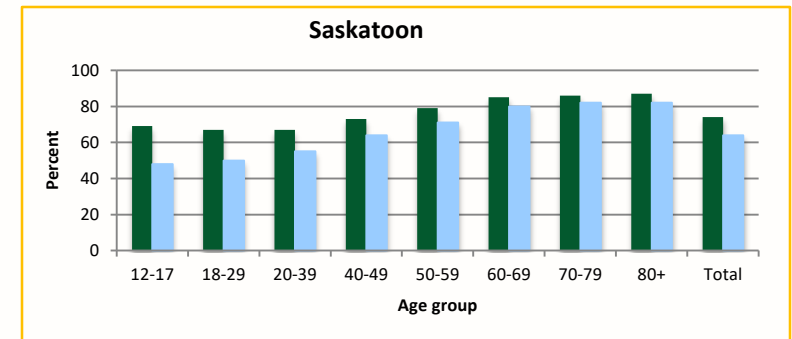
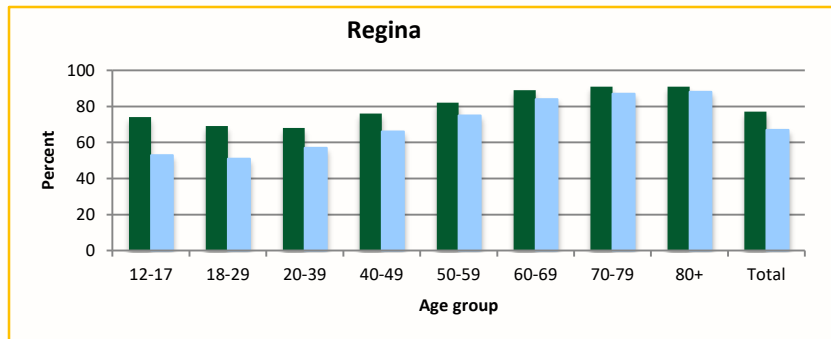
As of 8:51 AM on August 4, 2021

- 8 (28%) of the 29 infectious COVID-19 patients in acute care are less than 40 years old.
- Two (25%) of the eight infectious COVID-19 patients in ICU are less than 40 years old.

COVID-19 Vaccinations

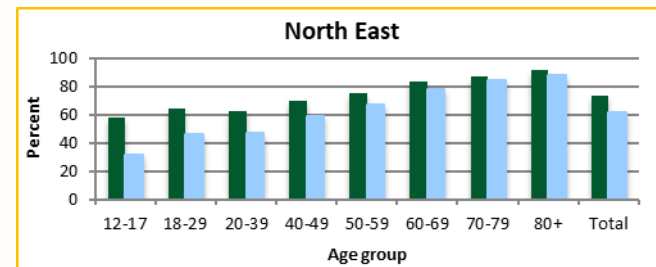
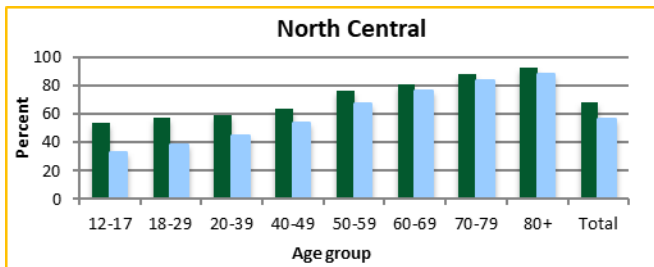
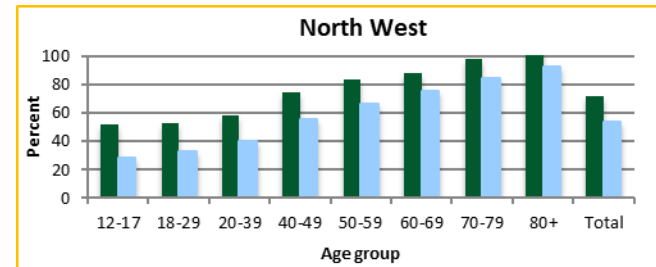
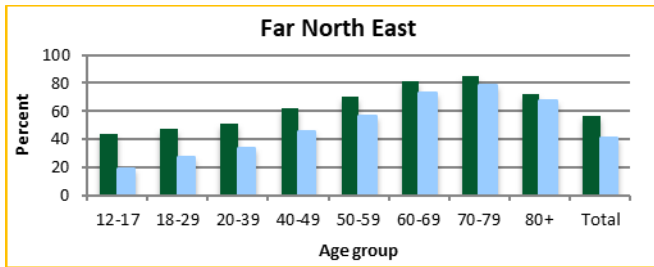
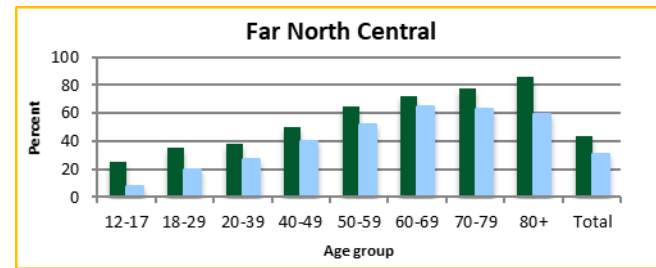
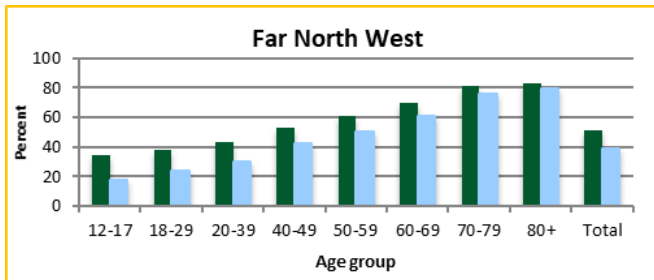


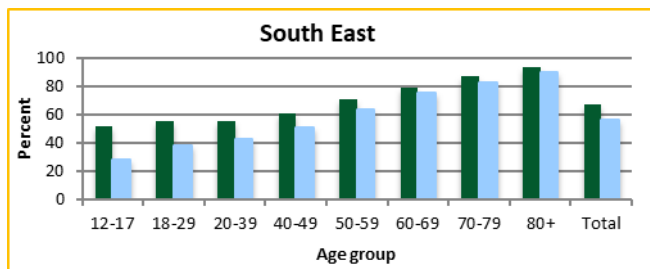
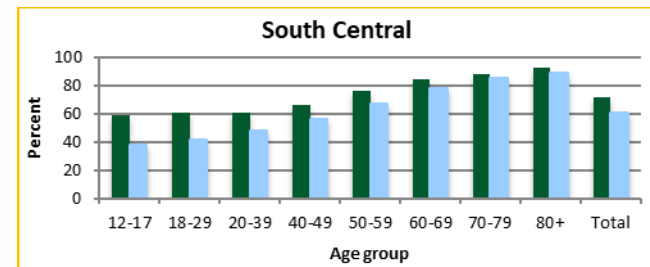
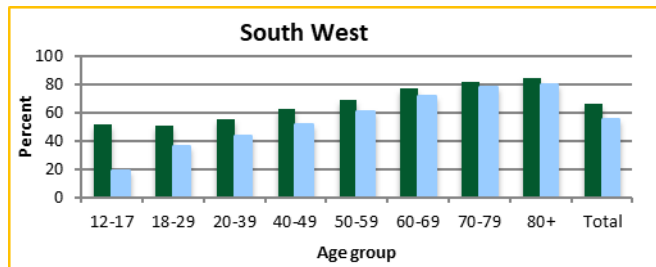
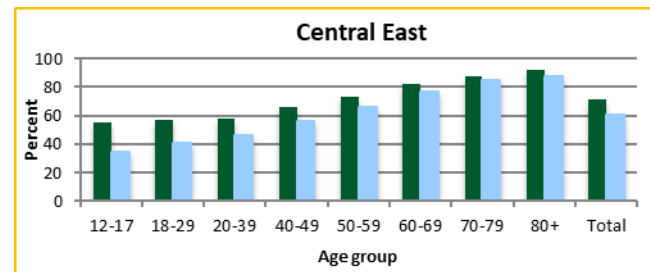
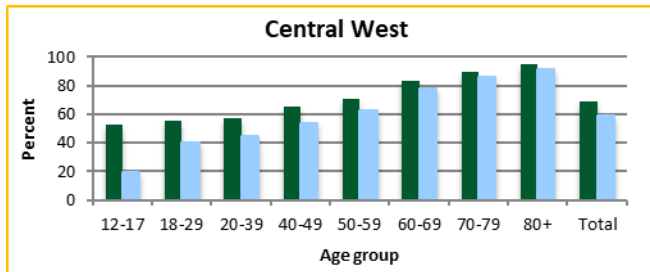
First and second dose uptake by population, provincially and by zone



Green – one dose of two dose series

Blue – two doses of a two dose series or one dose of a one doses series (fully vaccinated)





As of July 25, 2021 - last week's integrated report date.
 Data source: Panorama July 27, 2021.

The actions taken by the people of Saskatchewan collectively will determine the outcome.

Simple measures reduce the risk of infection:

- Get the vaccine as soon as you are eligible to receive it
- Unsure about the vaccination status of others? You can mask and maintain physical distance
- Stay home with even the mildest symptoms and get tested
- Reduce close contacts and non-essential travel
- Outdoors is better than indoors
- Wash hands/sanitize often

COVID-19 information is available at saskatchewan.ca/COVID19