

# COVID-19 Vaccinations and Breakthrough Infections

Analysis based on new COVID-19 cases reported August 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 among residents who have received second doses
- Two weeks after second dose is when optimum protection begins

# New COVID-19 Cases – Aug 2021

Total	Unvaccinated or First dose <3 weeks	Vaccinated, <b>First</b> dose =>3 weeks	Vaccinated, <b>Second</b> dose =>2 weeks
4596	3416	424	756
	74.3%	9.2%	16.4%

- There were 4,596 cases reported in August 2021. Of these, 17.3% (793) were aged 11 years or younger.
- Of the 424 cases with a first dose, 9.2% (39) had comorbid conditions.
- Of the 756 cases with a second dose, 17.6% (133) had comorbid conditions.

# COVID-19 Hospitalizations – Aug 2021

Total	Unvaccinated or First dose <3 weeks	Vaccinated, <b>First</b> dose =>3 weeks	Vaccinated, <b>Second</b> dose =>2 weeks
189	136	14	39
	72.0%	7.4%	20.6%

- Among the cases reported in August, 189 individuals were hospitalized and/or admitted to ICU. Of these, 5.3% (10) were aged 19 years or younger, and 3.2% (6) were under 12 years.
- Of the 14 hospitalized and/or ICU cases with a first dose, 42.9% (6) had comorbid conditions and 21.4% (3) were 70 years and older.
- Of the 39 hospitalized and/or ICU cases with a second dose, 56.4% had comorbid conditions and 69.2% (27) were 70 years and older.

# COVID-19 ICU Admissions – Aug 2021

Total	Unvaccinated or First dose <3 weeks	Vaccinated, <b>First</b> dose =>3 weeks	Vaccinated, <b>Second</b> dose =>2 weeks
41	31	2	8
	75.6%	4.9%	19.5%

- Among the cases reported in August, 41 individuals were admitted to ICU. Of these, one case was 12 years or younger.
- Two of the cases admitted to ICU had a first dose. Both cases were aged 50 years or older and had comorbid medical conditions.
- Of the eight (8) ICU admissions with a second dose, six (75%) were aged 60 years or older. Four cases had comorbid medical conditions. Three cases with comorbid conditions were aged 80 years or older.

# COVID-19 Deaths – Aug 2021

Total	Unvaccinated or First dose <3 weeks	Vaccinated, <b>First</b> dose =>3 weeks	Vaccinated, <b>Second</b> dose =>2 weeks
22	12	1	9
	54.5%	4.5%	40.9%

- Among the cases reported in August, 22 individuals passed away.
- Twelve were unvaccinated.
- One individual had a first dose and was aged 80 years or older.
- Of the nine individuals who had received their second dose, 88.9% (8) were aged 60 years and older.

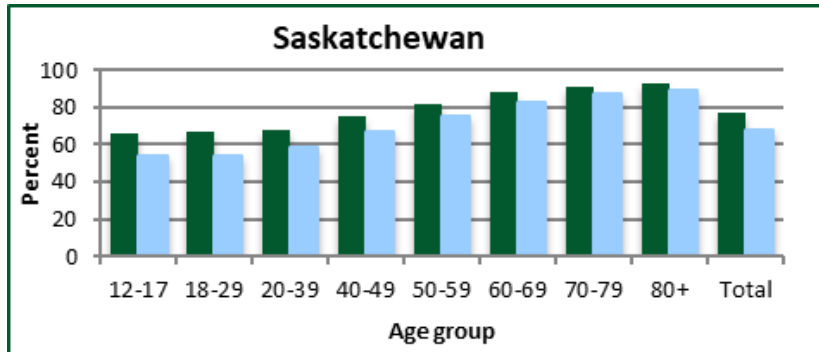
# COVID-19 Hospitalizations – September 2, 2021

Age Group	Acute Care		ICU	
	COVID infectious	COVID Non-infectious	COVID infectious	COVID Non-infectious
11 and under	1			
12 to 19	2			
20 to 29	7	1		
30 to 39	13	2	2	1
40 to 49	6	1	1	
50 to 59	11	4	3	1
60 to 69	14	2	9	
70 to 79	19	5	5	1
80+	21	5		
total	94	20	20	3

As of 3:05 PM on September 2, 2021

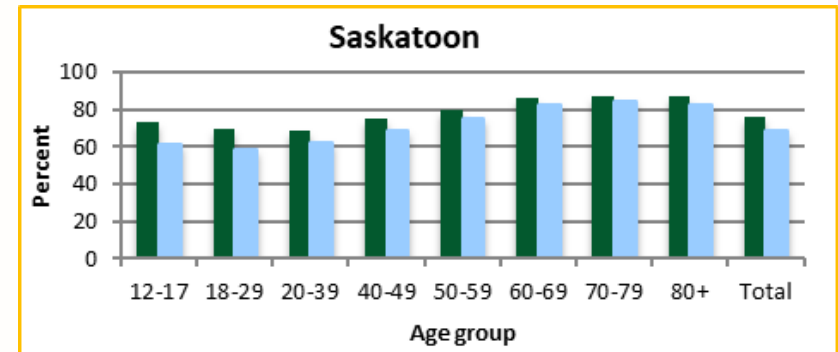
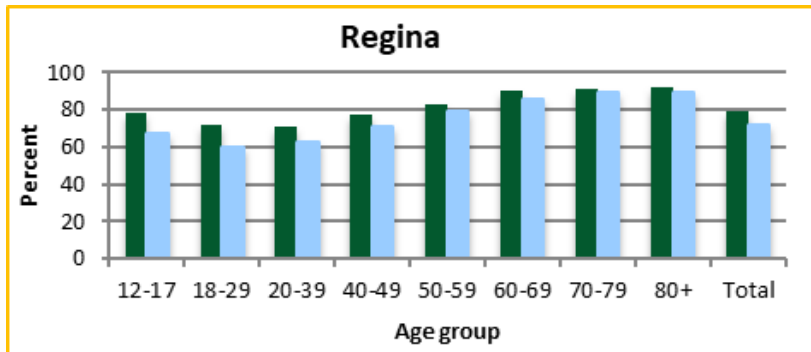
- Twenty-three (24.5%) of the 94 infectious COVID-19 patients in acute care are less than 40 years old.
- Two (10%) of the 20 infectious COVID-19 patients in ICU are less than 40 years old.

# COVID-19 Vaccinations



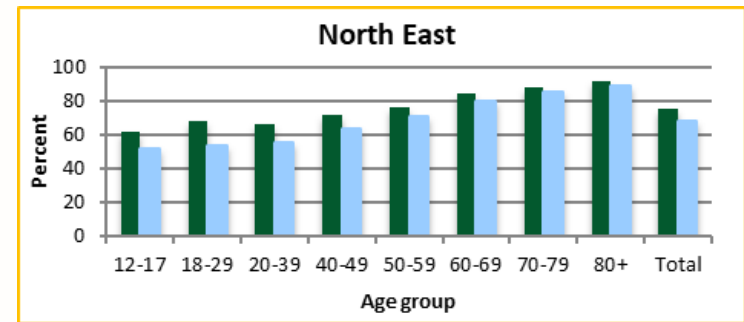
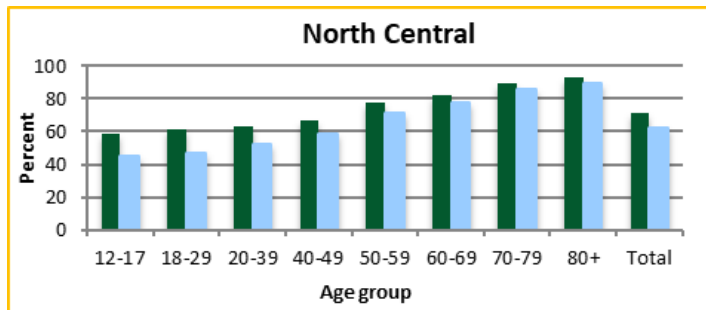
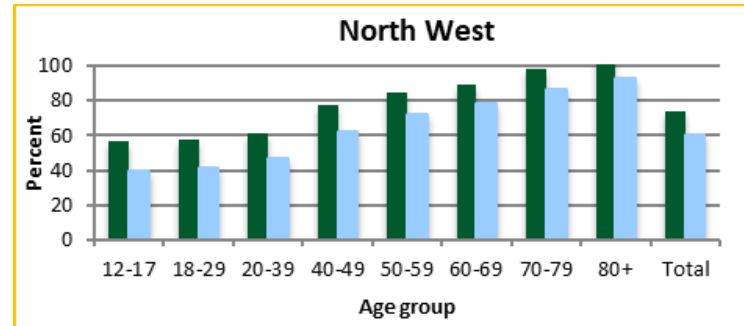
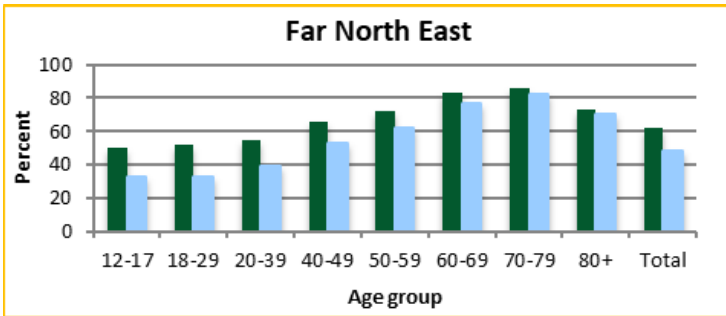
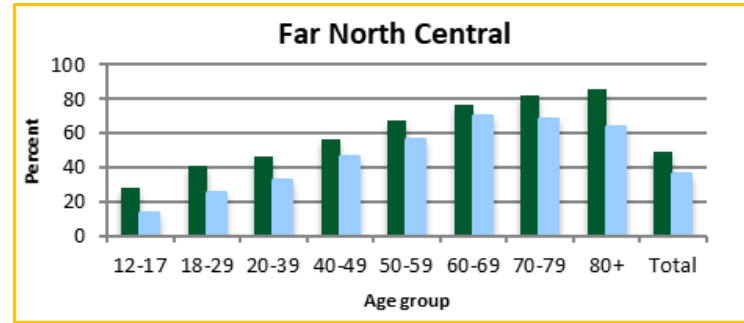
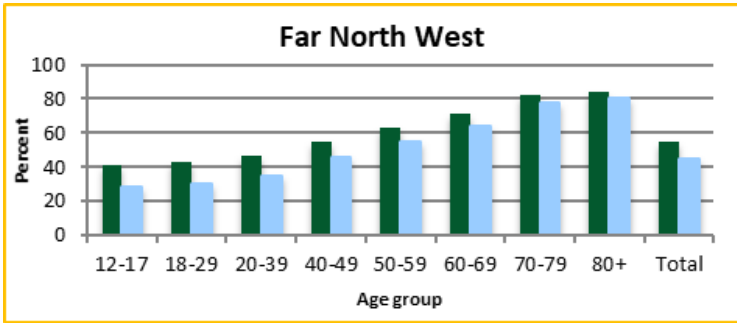
First and second dose uptake by population, provincially and by zone

- 1 dose of a two-dose series
- 2 doses of a two-dose series or 1 dose of a one-dose series (fully vaccinated)

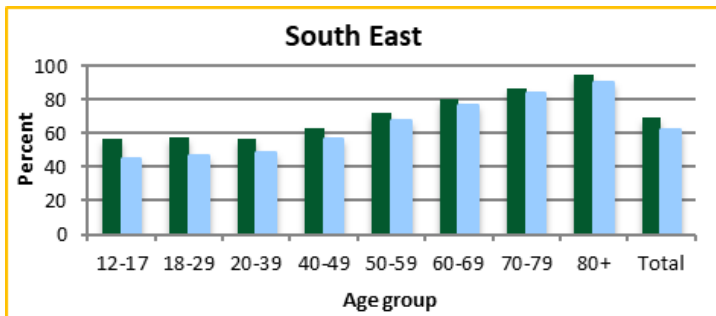
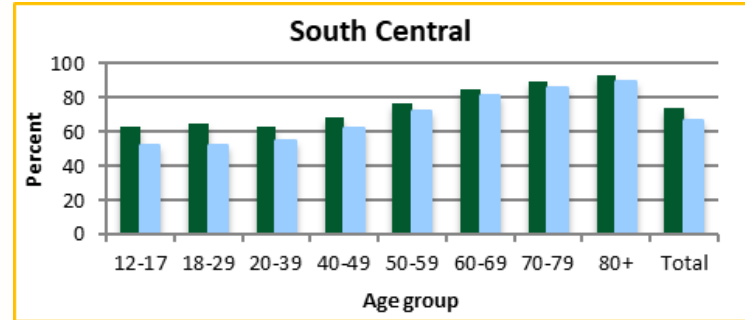
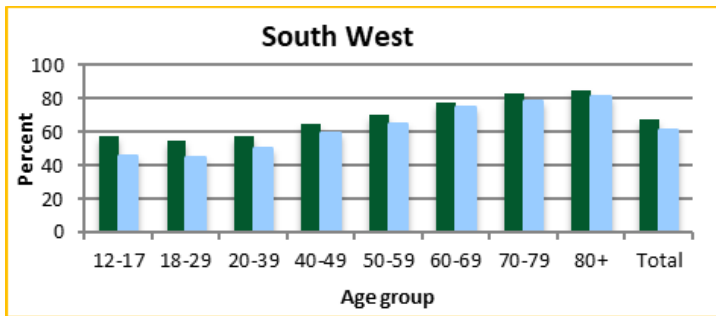
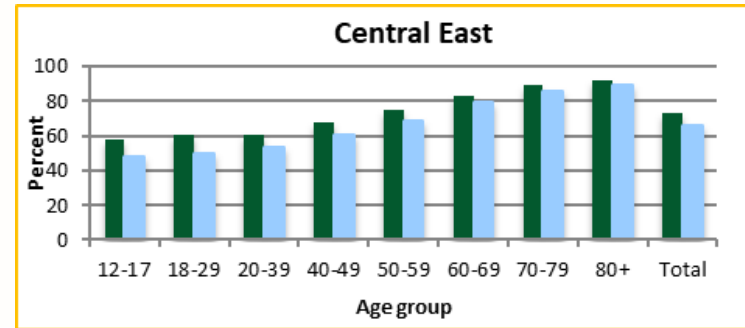
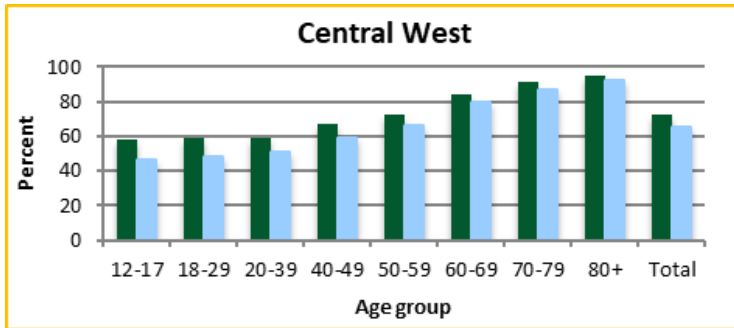


As of August 29, 2021 - last week's integrated report date.  
Data source: Panorama August 31, 2021.





- 1 dose of a two-dose series
- 2 doses of a two-dose series or 1 dose of a one-dose series (fully vaccinated)



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- 2 doses of a two-dose series or 1 dose of a one-dose series (fully vaccinated)

# 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
- Mask whenever you are away from your home
- Physically 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](https://saskatchewan.ca/COVID19)**