

COVID-19 Vaccinations and Breakthrough Infections

Analysis based on new COVID-19 cases reported June 1-30, 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 – June 2021

Total	Unvaccinated or First dose < 3 weeks	Vaccinated, First dose > 3 weeks	Vaccinated, Second dose > 2 weeks
2032	1641	355	36
	80.8%	17.5%	1.8%

- There were 2,032 cases reported in June 2021. Of these, 36.8% were aged 19 years or younger.
- Of the 355 cases with a first dose, 26.8% (95) had comorbid conditions.
- Of the 36 cases with a second dose, 38.9% (14) had comorbid conditions.

COVID-19 Hospitalizations – June 2021

Total	Unvaccinated or First dose < 3 weeks	Vaccinated, First dose > 3 weeks	Vaccinated, Second dose > 2 weeks
102	66	31	5
	64.7%	30.4%	4.9%

- Among the cases reported in June, 102 individuals were hospitalized and/or admitted to ICU.
- Of the 31 hospitalized and/or ICU cases with a first dose, 64.5% (20) had comorbid conditions and 48.4% (15) cases are 70 years and older.
- Of the five hospitalized and/or ICU cases with a second dose, most (80%) had comorbid conditions and 60% are 70 years and older.

COVID-19 ICU Admissions – June 2021

Total	Unvaccinated or First dose < 3 weeks	Vaccinated, First dose > 3 weeks	Vaccinated, Second dose > 2 weeks
21	17	4	0
	81.0%	19.0%	0.0%

- Among the cases reported in June, 21 individuals were admitted to ICU.
- Most individuals (75%) with a first dose who were admitted to ICU were aged 70 years or older and all had comorbid medical conditions.
- **Of the 21 ICU admissions, none were in individuals with a second dose.**

COVID-19 Deaths – June 2021

Total	Unvaccinated or First dose < 3 weeks	Vaccinated, First dose > 3 weeks	Vaccinated, Second dose > 2 weeks
15	6	9	0
	40.0%	60.0%	0.0%

- Among the cases reported in June, 15 individuals died. Six (40%) had not been vaccinated and nine (60%) were vaccinated with a first dose.
- Most vaccinated individuals with first dose (67%) were aged 80 years or older and all had comorbid medical conditions.
- **There were no deaths among June cases who had been vaccinated with a second dose.**

COVID-19 Hospitalizations – July 6

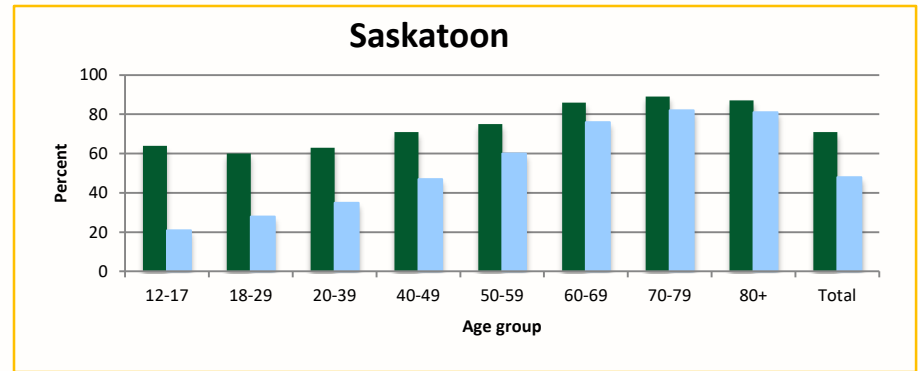
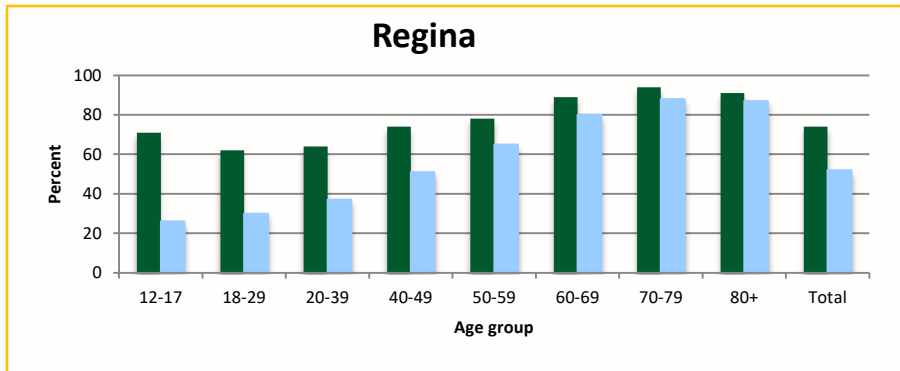
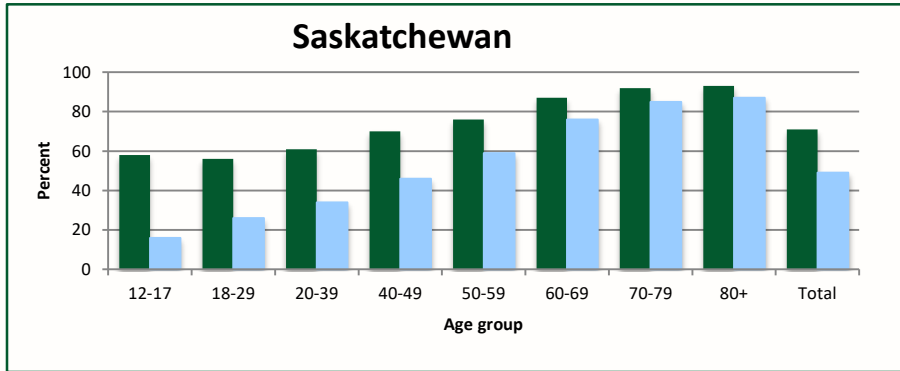
Age Group	Acute Care		ICU	
	COVID Infectious	COVID Non-infectious	COVID Infectious	COVID Non-infectious
19 and under	3			
20 to 29	1	1	3	1
30 to 39	6	2	1	
40 to 49	2	3	1	
50 to 59	1	5		
60 to 69	5	4	1	
70 to 79	7	5	3	
80+	6	1		
Total	31	21	9	1

As of 7:08 AM on July 6, 2021

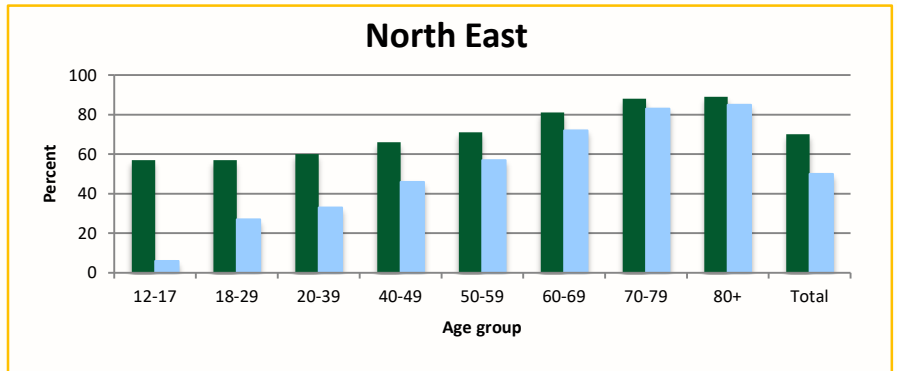
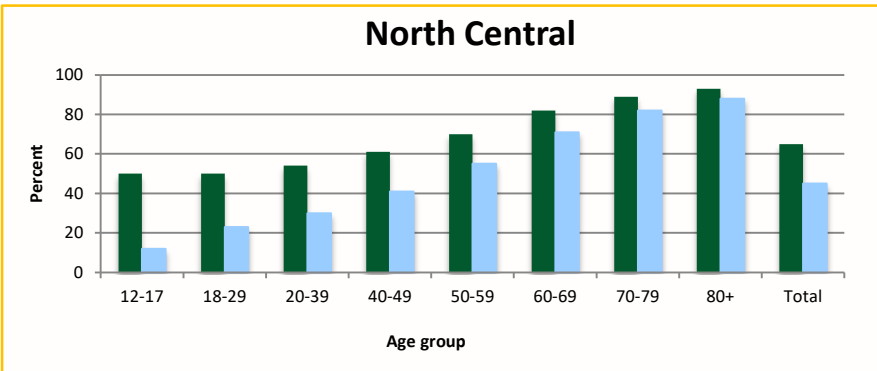
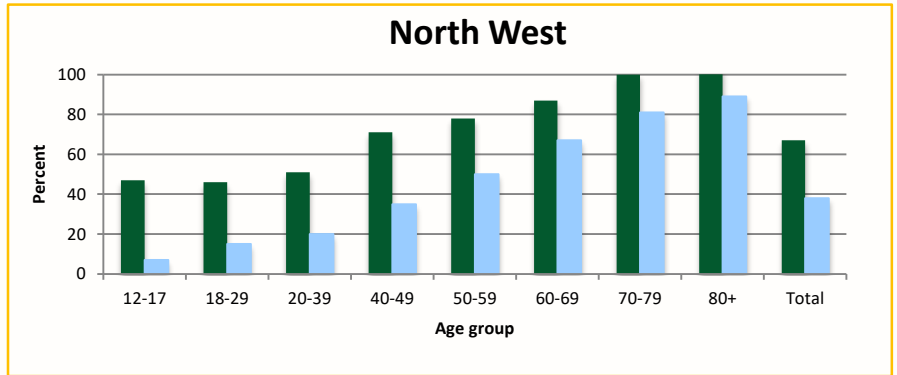
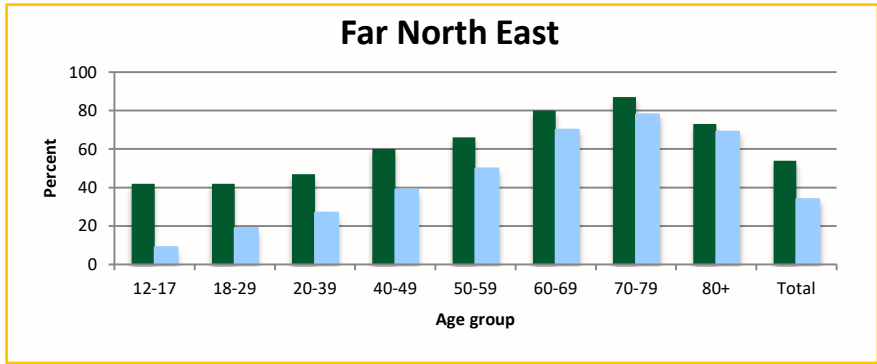
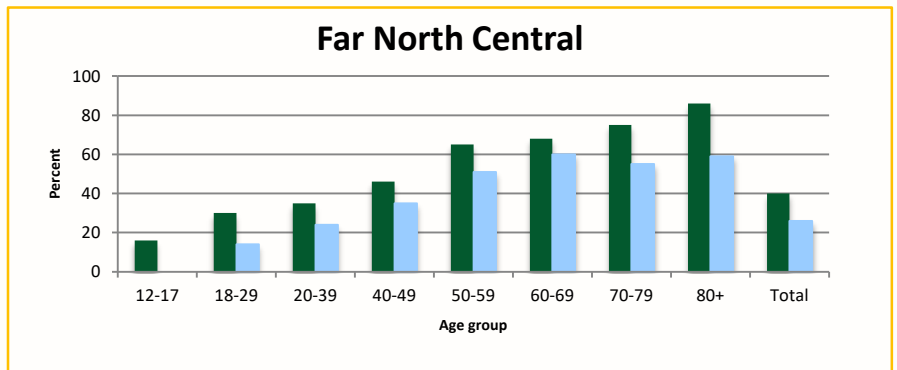
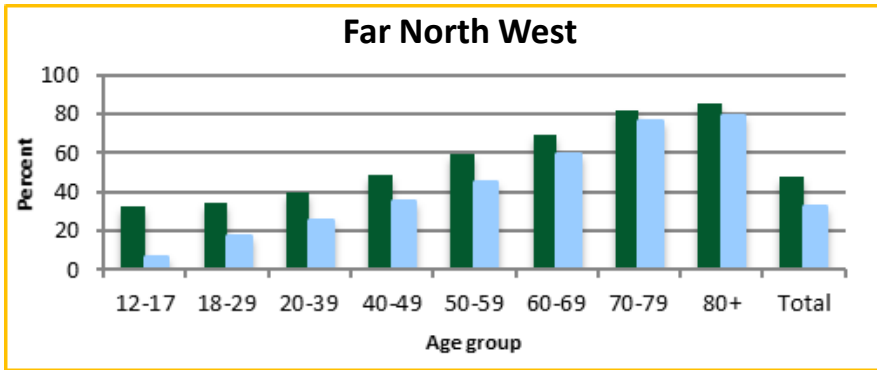
- 10 (32%) of the 31 infectious COVID-19 patients in acute care are less than 40 years old.
- Four (44%) of the nine infectious COVID-19 patients in ICU are less than 40 years old.

COVID-19 Vaccinations

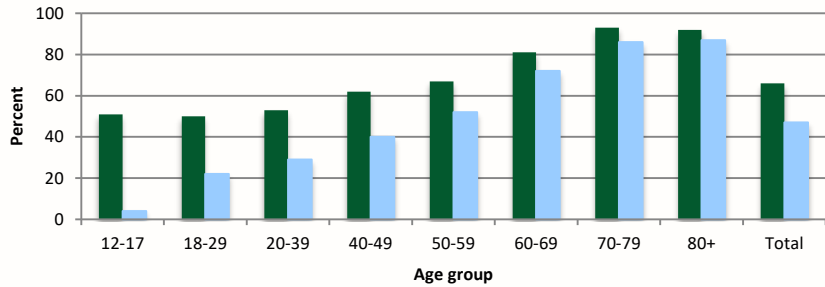
First and second dose uptake by population, provincially and by zone



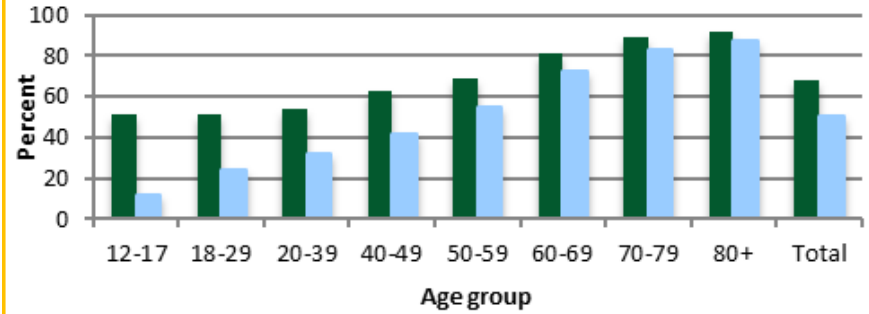
Data Source: Panorama Ju, 2021



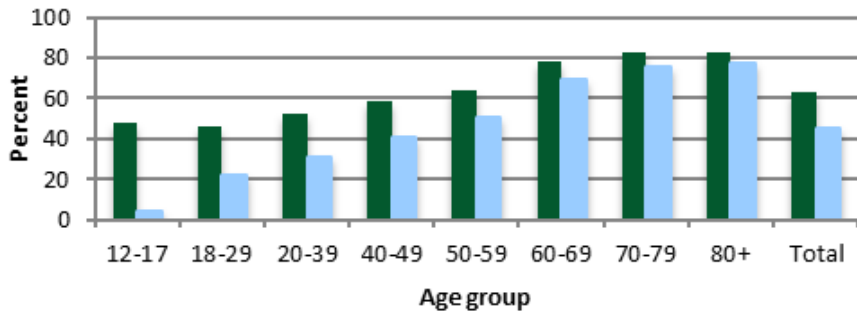
Central West



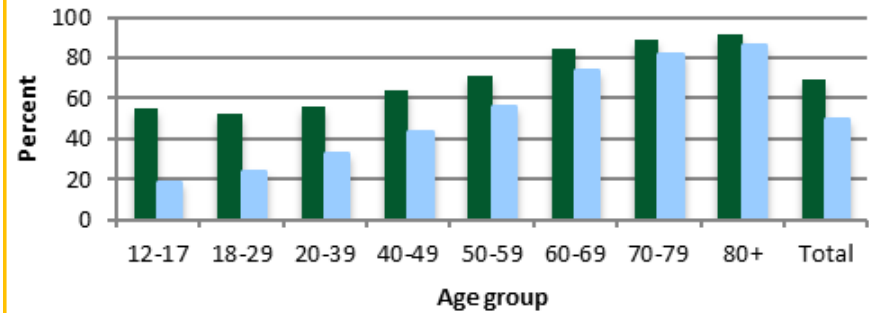
Central East



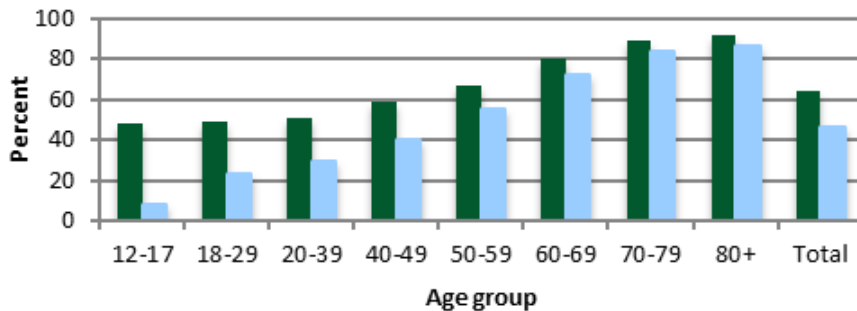
South West



South Central



South East



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