

# 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, <b>First</b> dose > 3 weeks	Vaccinated, <b>Second</b> 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, <b>First</b> dose > 3 weeks	Vaccinated, <b>Second</b> 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, <b>First</b> dose > 3 weeks	Vaccinated, <b>Second</b> 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, <b>First</b> dose > 3 weeks	Vaccinated, <b>Second</b> 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

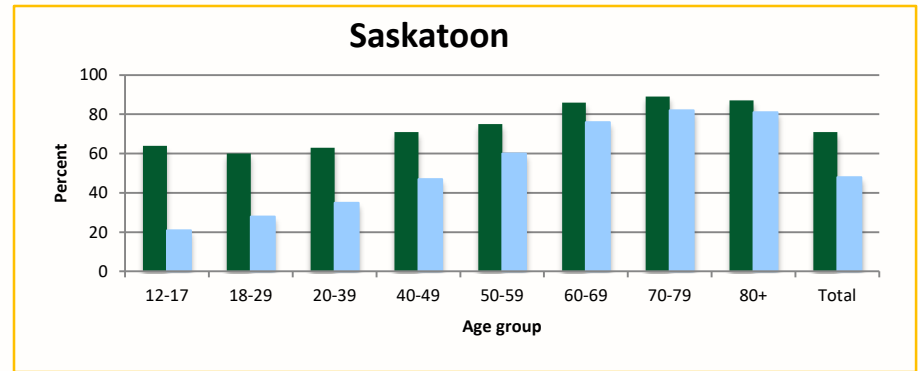
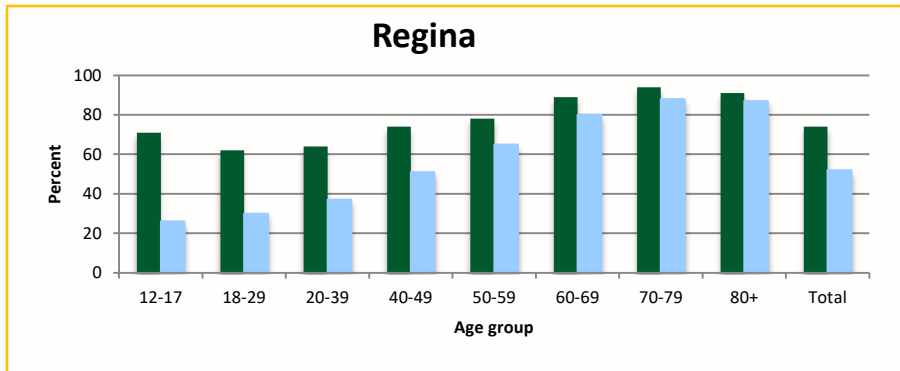
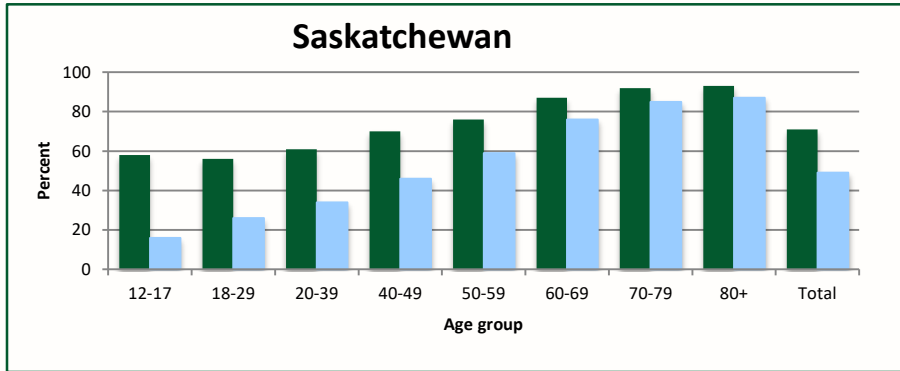
Age Group	Acute Care		ICU	
	COVID Infectious	COVID Non-infectious	COVID Infectious	COVID Non-infectious
19 and under	3			
20 to 29	1	1	3	1
30 to 39	6	2	1	
40 to 49	2	3	1	
50 to 59	1	5		
60 to 69	5	4	1	
70 to 79	7	5	3	
80+	6	1		
<b>Total</b>	<b>31</b>	<b>21</b>	<b>9</b>	<b>1</b>

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.

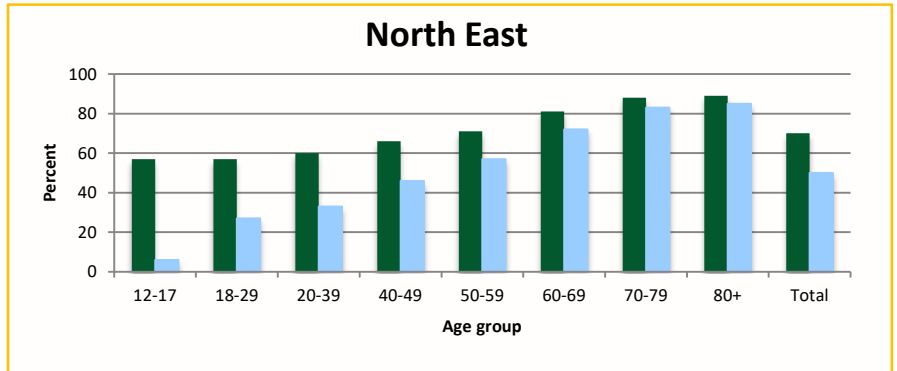
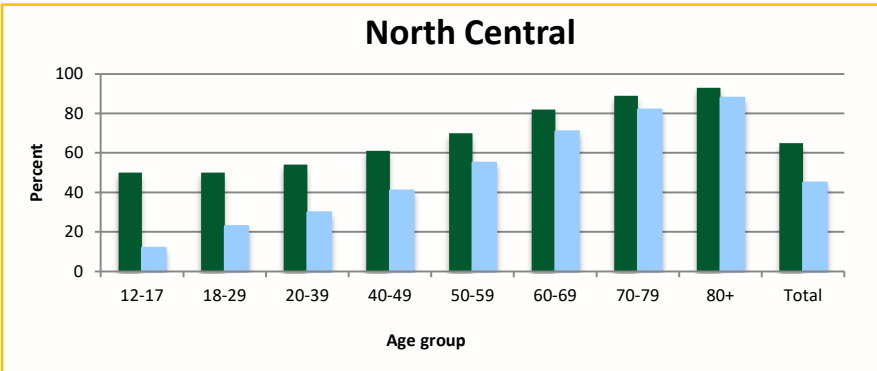
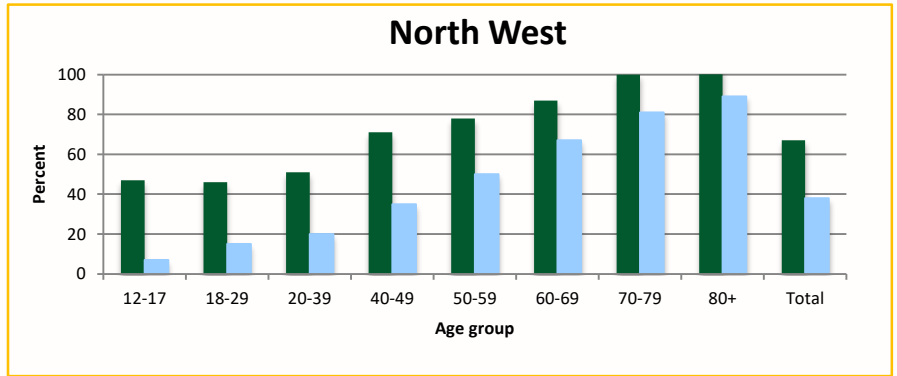
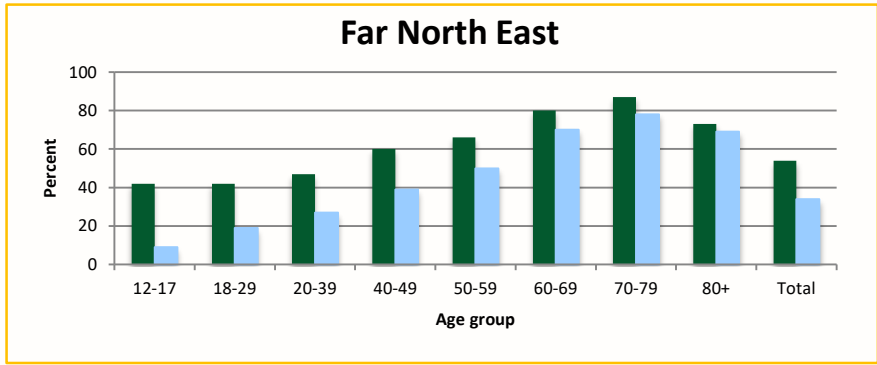
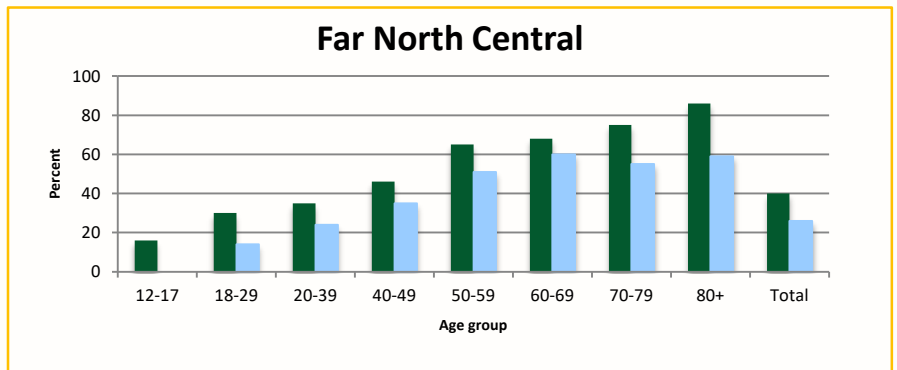
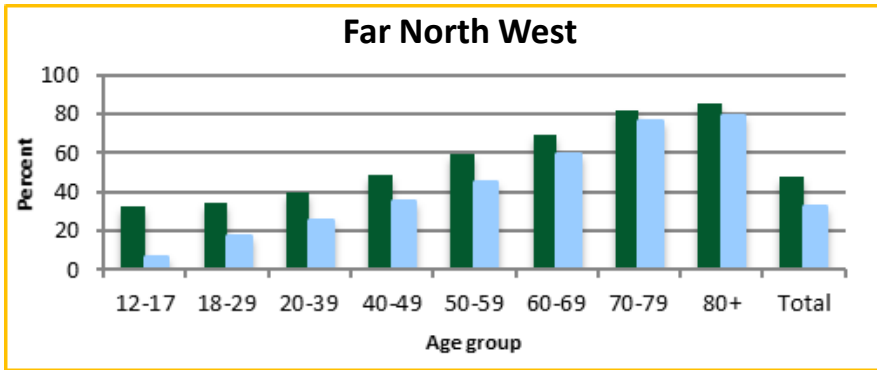
# COVID-19 Vaccinations

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

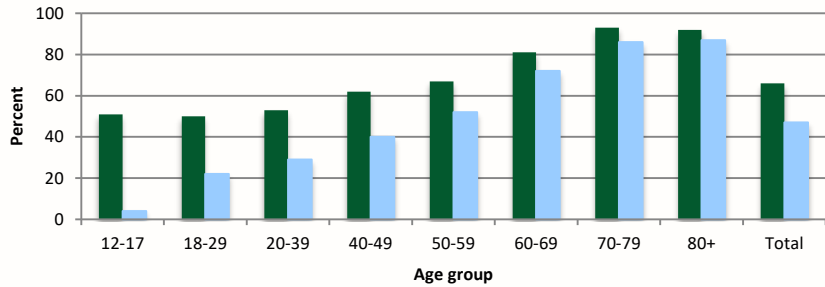


Data Source: Panorama Ju, 2021

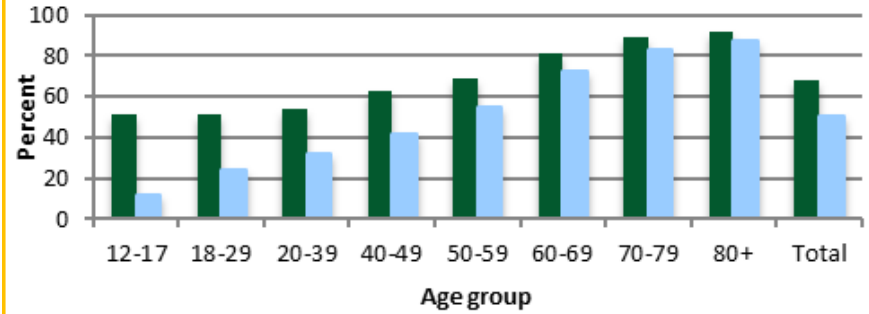




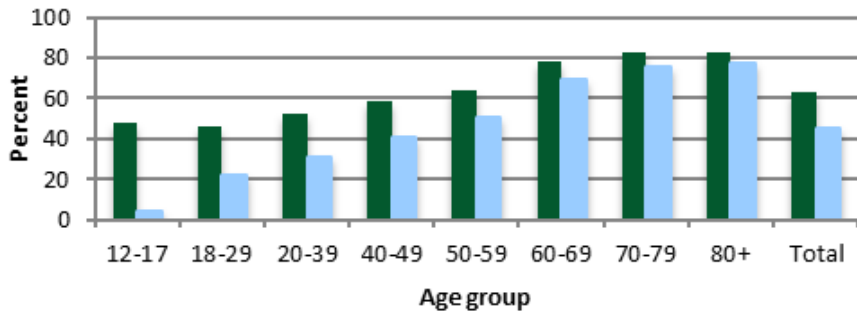
### Central West



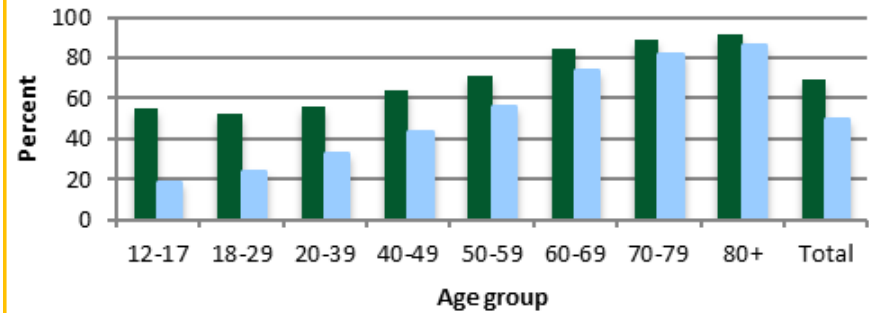
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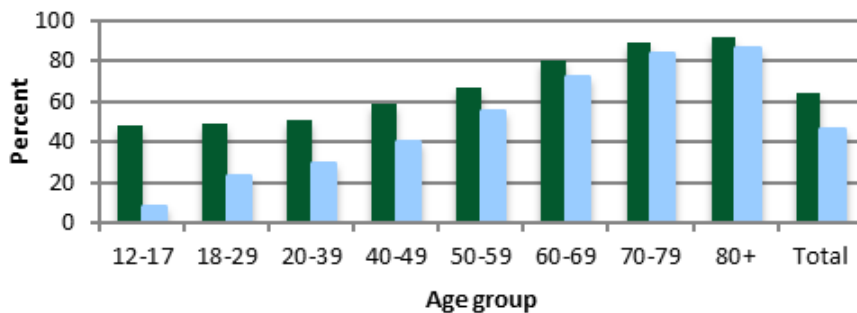
### South West



### 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](https://saskatchewan.ca/COVID19)**