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, 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, 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, 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, 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

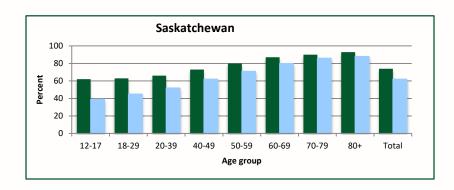
| | Acute Care | | ICU | |
|--------------|---------------------|-------------------------|---------------------|-------------------------|
| Age Group | COVID Infectious | COVID Non-infectious | COVID Infectious | COVID Non-infectious |
| 19 and under | 1 | | | |
| 20 to 29 | 3 | | 1 | 1 |
| 30 to 39 | 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

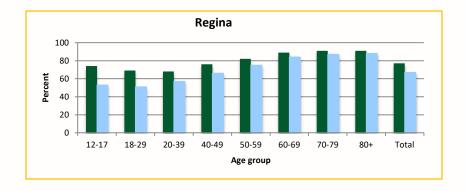
- 8 (28%) of the 29 infectious COVID-19 patients in acute care are less than 40 years old.
- Two (25%) of the eight infectious COVID-19 patients in ICU are less than 40 years old.

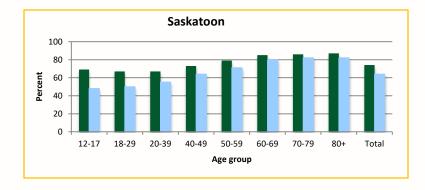


COVID-19 Vaccinations



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

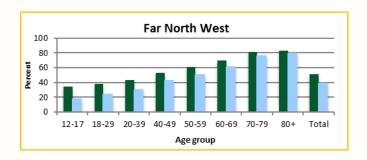


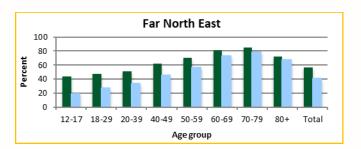


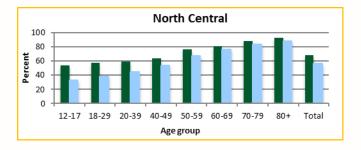
Green - one dose of two dose series

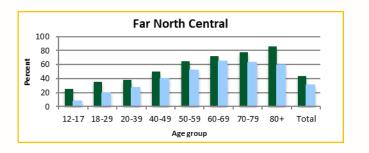
Blue – two doses of a two dose series or one dose of a one doses series (fully vaccinated)

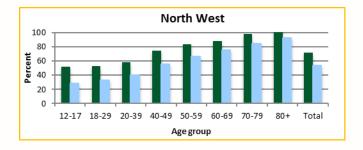


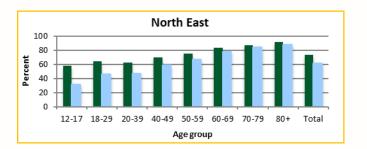




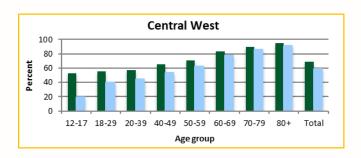


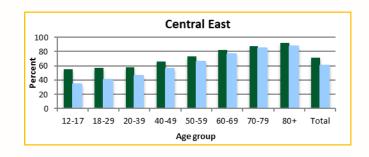


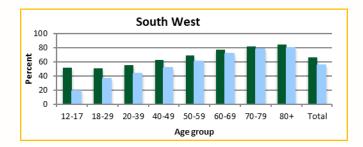


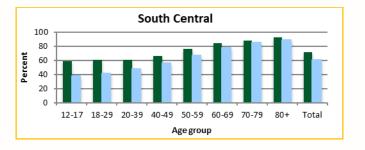


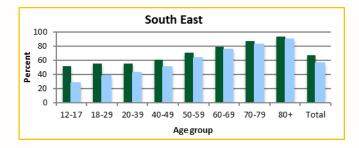












As of July 25, 2021 - last week's integrated report date.
Data source: Panorama July 27, 2021.



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

