

Provincial Respiratory Surveillance Report

COVID-19

This report provides a current epidemiological update on the intensity and severity of COVID-19 in Manitoba. Surveillance and administrative data include laboratory, hospitalization and mortality data. Data are presented at the provincial and regional level. In this weekly report, we provide regular updates about the current activity of COVID-19 in Manitoba with a focus on severe outcomes (hospital admissions, intensive care unit admissions (ICU), and deaths).

Data are reported with a one-week delay for increased data accuracy, completeness and reliability. Updates or changes to this report occur regularly. It is published online at approximately 10:00am every Thursday.

Week 29 (July 17 – July 23)

About epidemiological week ([../resources/epi_week_table/epi_week_table.html](#))

Data extracted up to 1:00 am on July 27, 2022

Next reporting date: August 4, 2022

COVID-19: Increased Activity

In Week 29, there were 242 laboratory-confirmed COVID-19 cases reported in Manitoba, an increase from 171 in the previous week. The volume of lab tests decreased to on average 269 people tested for COVID-19 per day compared to 276 in the previous week, and the positivity rate of lab tests was 17.1%, an increase from 13.9% in the previous week.

Severe outcomes associated with COVID-19 infection increased compared to the previous week. There were 45 hospital admissions including 8 ICU admissions, and 3 deaths.

As of July 23, in all Manitoba residents aged 5 and older, 83.1% have been fully vaccinated. In residents aged 18 and older, 55.5% have received at least one additional dose.

Wastewater surveillance data (<https://nccid.ca/wastewater-surveillance-for-covid-19/?msclkid=e731ac33aedc11ecbe962b32950913c6>) for the city of Winnipeg by June 20 indicated ongoing activity of COVID-19, with a generalized decrease in activity.

Cases

About cases
(../resources/Notes.html#Case_Criteria)

- Cases this week: **242**
- Total cases: **146,266**

More Analyses

- Epi curve
- Age and sex
- Incidence by age
- Health region
- Vaccination status
- Cases after infection
- Rate and risk of severe outcomes

Testing

About testing (../resources/Notes.html#testing)

This week

- Average daily specimens: **269**
- Weekly positivity rate: **17.1%**

Total

- Tested people: **735,098**
- Population tested: **53.9%**
- Specimens tested: **1,523,571**
- Positivity rate: **10.0%**

More Analyses

- Provincial testing

Severity

About severity associated with COVID-19 (../resources/Notes.html#severe_outcome)

Severe outcomes this week

- Hospital admissions: **45**
 - ICU admissions³: **8**
- Deaths⁴: **3**

Total severe outcomes

- Hospital admissions: **11,358**
 - ICU admissions: **1,644**
- Deaths: **2,061**

More Analyses

- Severe outcomes
- Age
- Underlying illness

Outbreaks

About outbreaks (../resources/Notes.html#outbreak)

COVID-19 outbreaks this week

- Outbreaks in long-term care facilities: **4**
- Outbreaks in schools: **0**

Total COVID-19 outbreaks

- Total outbreaks in long-term care facilities: **385**
- Total outbreaks in schools: **33**

More Analyses

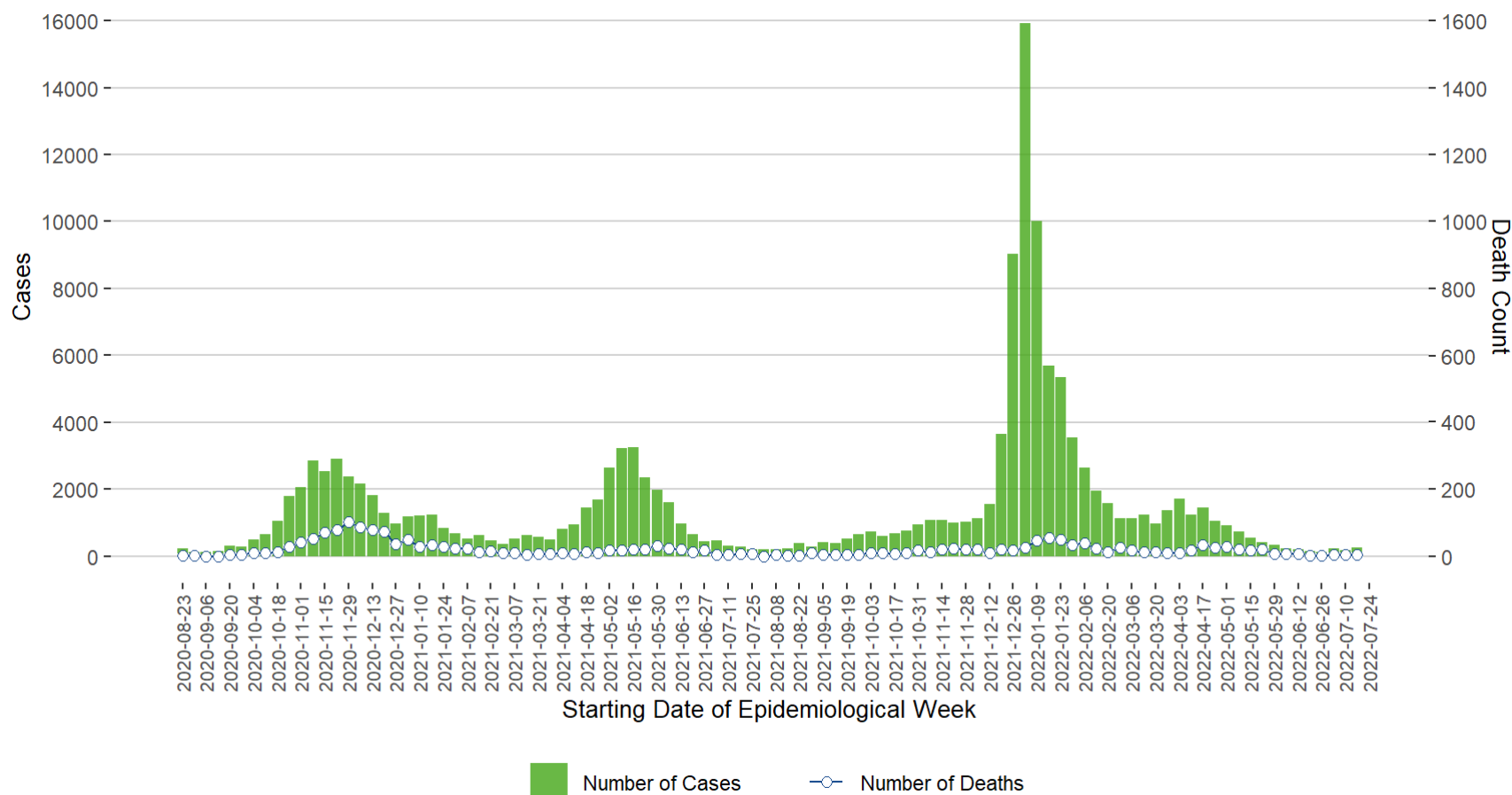
- Check trend
- Outbreak list
(outbreaks/outbreak_table.html)

Important Notes

1. Data about COVID-19 cases and contacts are extracted from PHIMS (../resources/Notes.html#phims).
2. Numbers are subject to change. Missed events in the current report due to reporting delays will be included in later reports when data become available.
3. ICU admissions were included in hospital admissions, and include adult and pediatric cases.
4. As of March 15, 2022, the definition of a COVID-19-associated death has been changed. (../resources/Notes.html#severe_outcome)

Cases

Figure 1. Cases of COVID-19 by Week of Public Health Report Date, Manitoba, August 23, 2020 – July 23, 2022

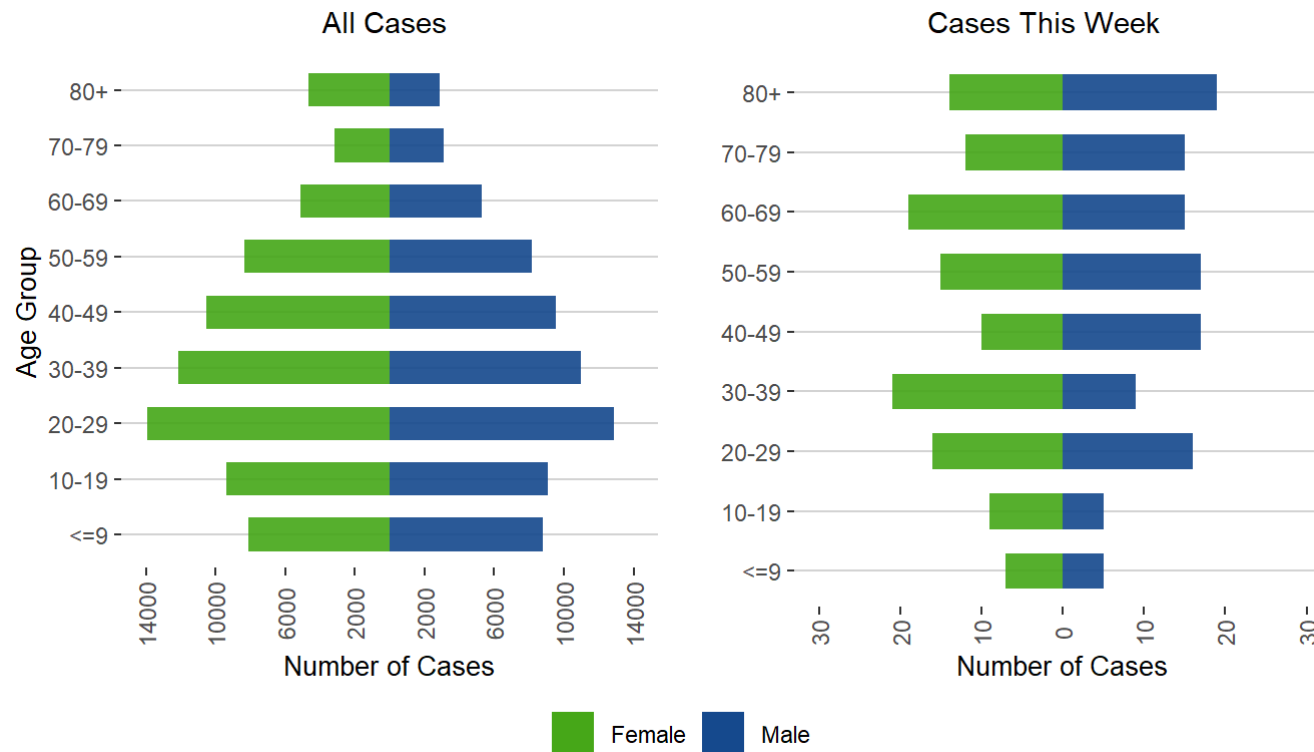


Weekly cases and deaths (.csv) ([downloads/weekly_cases_deaths_week_29.csv](#))

Note. Deaths due to COVID-19 were aligned by week of outcome date.

[Back](#)

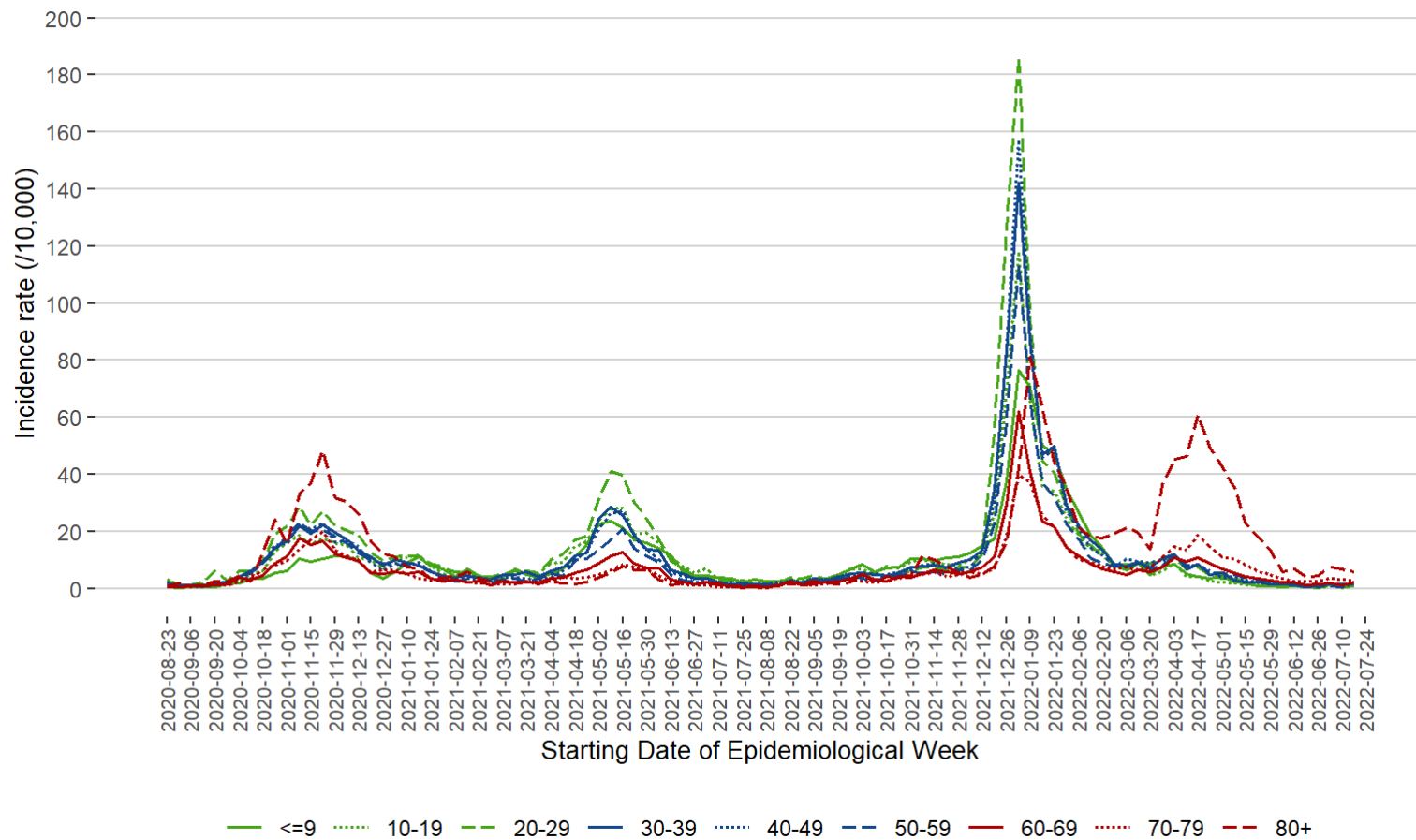
Figure 2. Sex and Age Distribution of COVID-19 Cases, Manitoba, March 1, 2020 – July 23, 2022



Sex and age counts (.csv) ([downloads/age_sex_distribution_week_29.csv](#))

[Back](#)

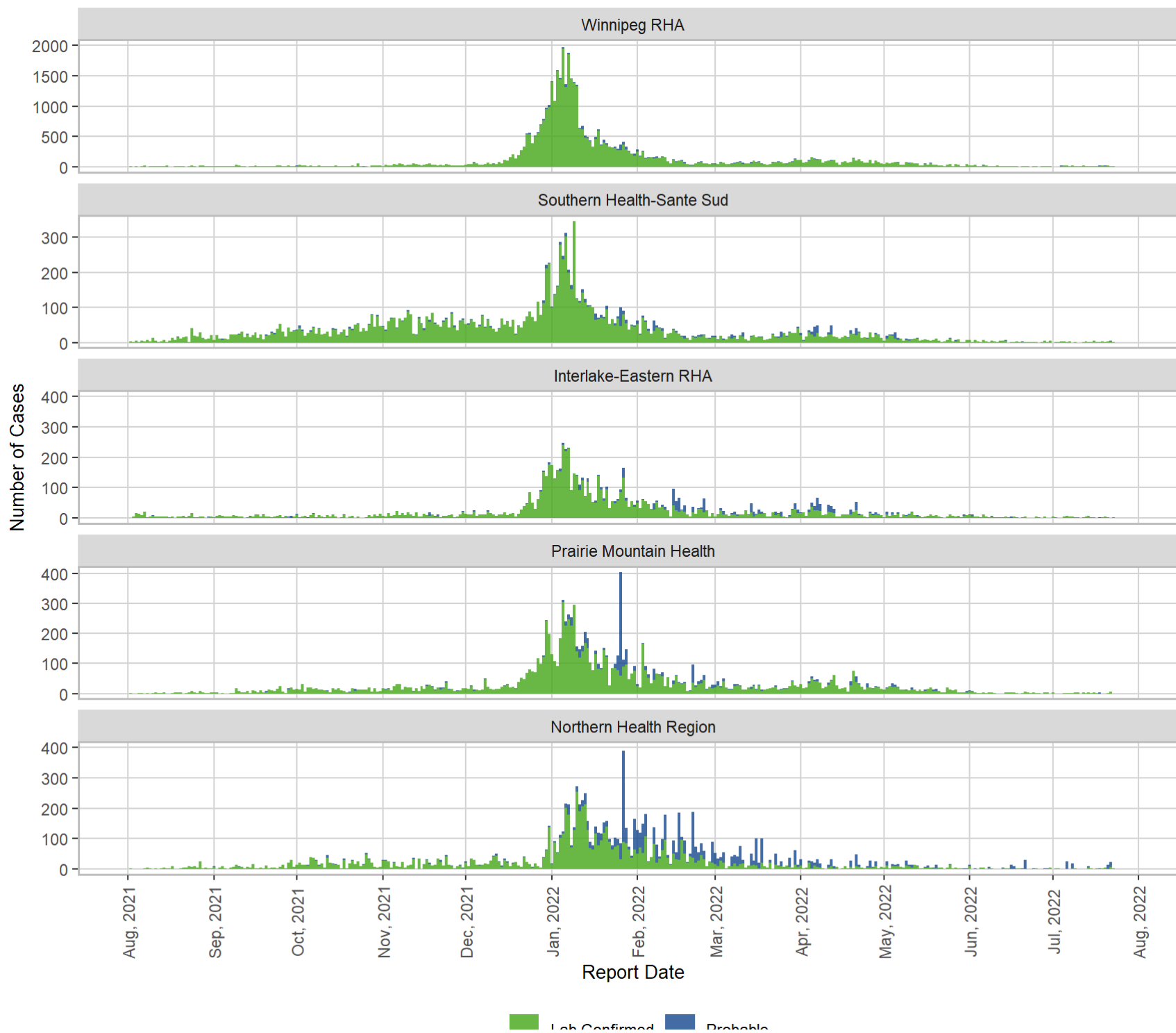
Figure 3. Incidence Rate (/10,000 Population) of COVID-19 Cases by Age Group and Week of Public Health Report Date, Manitoba, August 23, 2020 – July 23, 2022



Weekly incidence rate by age (.csv) ([downloads/weekly_incidence_rate_age_week_29.csv](#))

[Back](#)

Figure 4. Cases of COVID-19 by Health Region and Public Health Report Date, Manitoba, August 1, 2021 – July 23, 2022



Weekly cases by region (.csv) (downloads/weekly_cases_region_week_29.csv)

[Back](#)

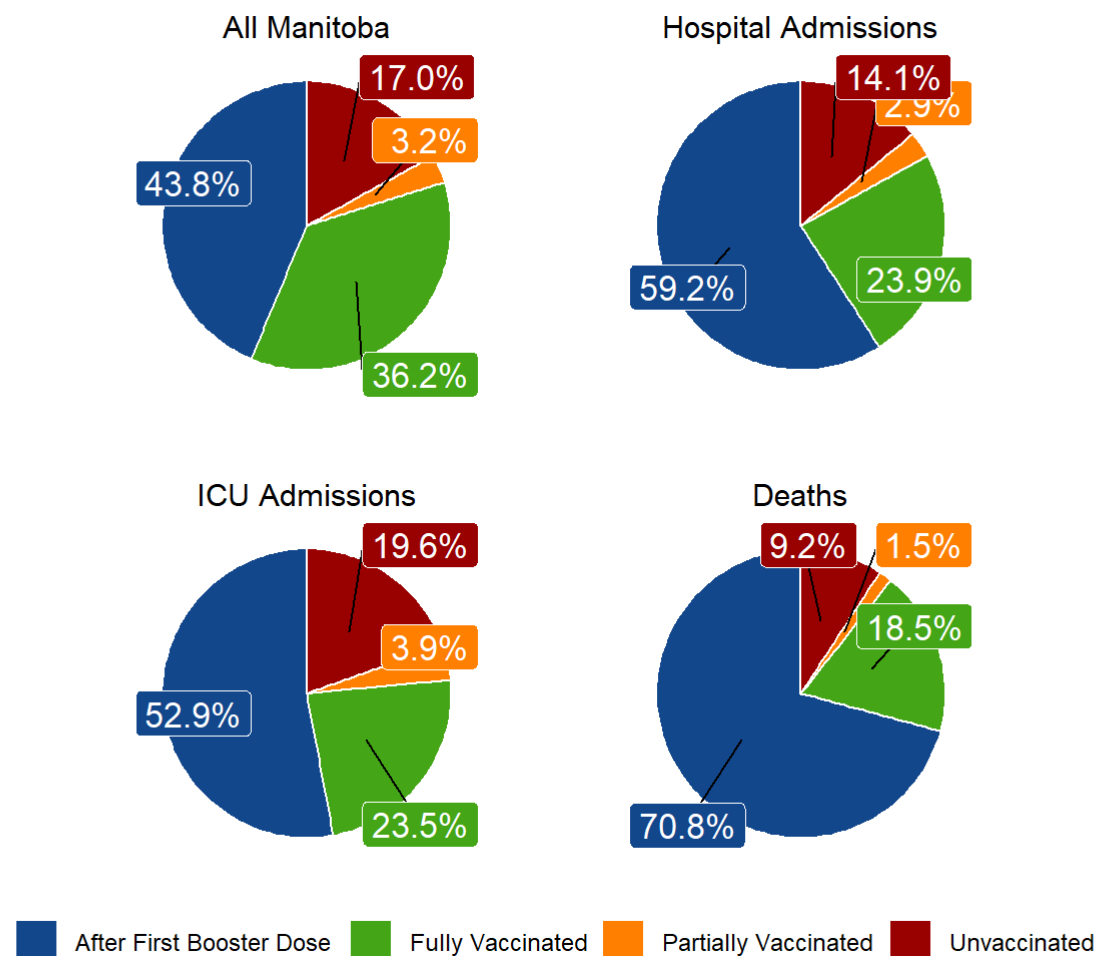
Table 1. Cases of COVID-19 and Incidence Rate (/10,000 population) by Health Region, Manitoba, March 13, 2020 – July 23, 2022

Health Region	Total Cases	Cases this week	Incidence Rate	Age-standardized Incidence Rate *
Winnipeg RHA	79,318	144	1.8	1.8
Southern Health-Santé Sud	20,370	20	0.9	1.0
Interlake-Eastern RHA	12,398	17	1.3	1.2
Prairie Mountain Health	15,217	11	0.6	0.6
Northern Health Region	18,963	50	6.5	6.7

Note: * Age-standardized rates are used to account for differences in the age structure in health regions. The whole Manitoba population is used as the standard population.

[Back](#)

Figure 5. Vaccination Status in Monthly Hospital Admissions, ICU Admissions, and Deaths, Manitoba, May 1, 2022 – May 31, 2022

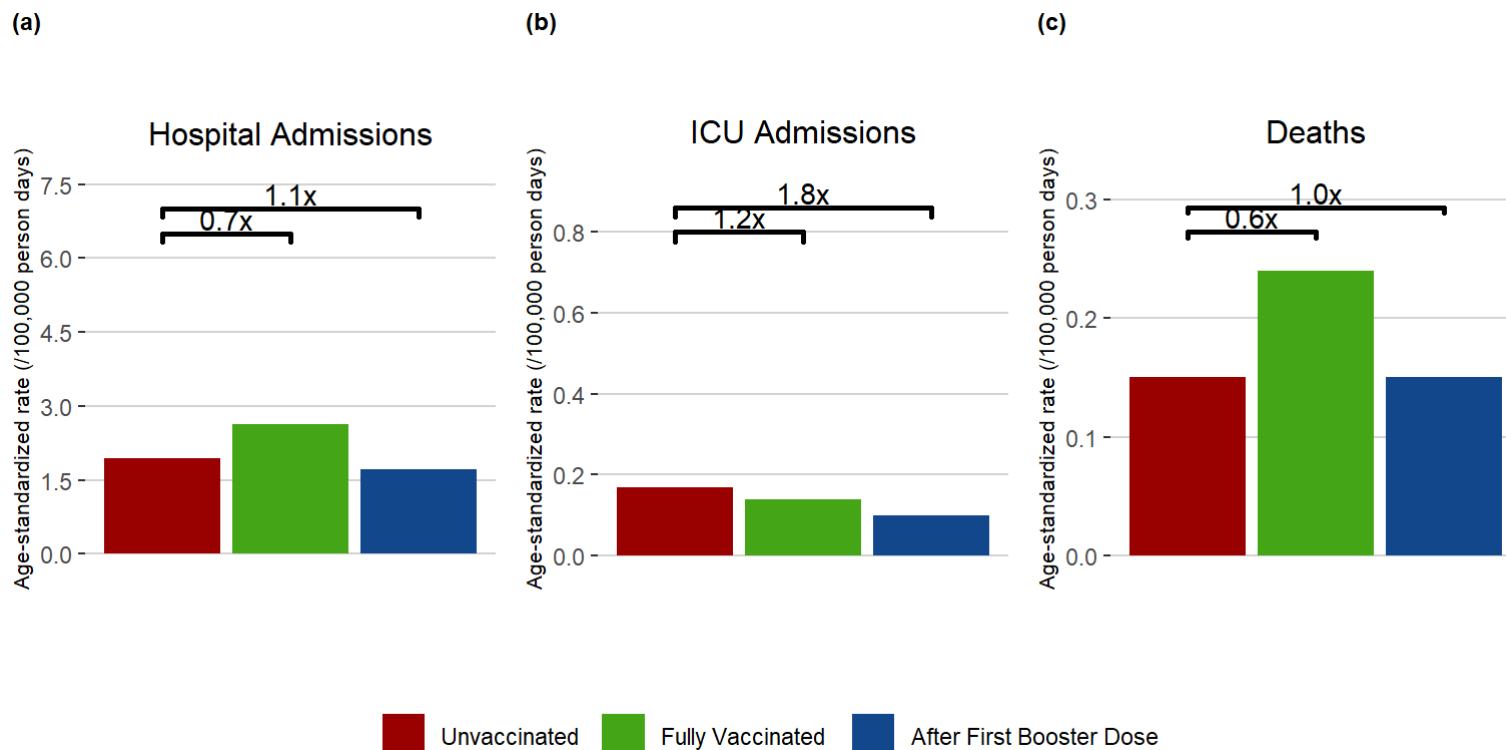


Note: Hospital admissions include ICU admissions. More ([./resources/Notes.html#vaccine_status](#))

Unvaccinated Case: Individuals not vaccinated or vaccinated 0–13 days following the first dose of a COVID-19 vaccine. Partially Vaccinated Case: Individuals vaccinated ≥ 14 days following the first dose of a 2-dose series COVID-19 vaccine if only one dose was received and 0-13 days following the second dose if two doses were received. Fully Vaccinated Case: Individuals vaccinated ≥ 14 days following the second dose of a 2-dose series or first dose of a 1-dose series of a COVID-19 vaccine. After First Booster Dose: Individuals vaccinated ≥ 14 days following one additional dose after completion of primary series.

[Back](#)

Figure 6. Age-Standardized Rate (/100,000 person days) and Risk of Severe Outcomes Associated with COVID-19 Manitoba, May 1, 2022 – May 31, 2022



Note: Hospital admissions include ICU admissions. More ([../resources/Notes.html#vaccine_rr](#))

[Back](#)

Table 2. Severe COVID-19 Cases After Infection, Manitoba, December 16, 2020 – May 31, 2022

	Partially vaccinated	%	Fully vaccinated	%	After First Booster Dose	%
Hospital Admissions						
5-11	17	3.3%	12	0.4%	0	0.0%
12-19	11	2.1%	152	5.3%	8	0.4%
20-29	42	8.2%	366	12.9%	50	2.2%
30-39	61	11.9%	360	12.6%	100	4.5%

	Partially vaccinated	%	Fully vaccinated	%	After First Booster Dose	%
40-49	40	7.8%	257	9.0%	127	5.7%
50-59	83	16.2%	338	11.9%	175	7.9%
60-69	97	18.9%	435	15.3%	380	17.1%
70+	161	31.4%	928	32.6%	1,383	62.2%
Total hospitalizations	512	100%	2,848	100%	2,223	100%
ICU Admissions						
5-11	1	1.3%	2	0.9%	0	0.0%
12-19	1	1.3%	5	2.2%	1	0.7%
20-29	1	1.3%	18	7.9%	1	0.7%
30-39	4	5.2%	16	7.0%	4	2.8%
40-49	4	5.2%	31	13.5%	14	9.9%
50-59	19	24.7%	47	20.5%	15	10.6%
60-69	24	31.2%	62	27.1%	43	30.5%
70+	23	29.9%	48	21.0%	63	44.7%
Total ICU admissions	77	100%	229	100%	141	100%
Deaths						
12-19	0	0.0%	0	0.0%	0	0.0%
20-29	1	1.4%	3	1.2%	0	0.0%
30-39	1	1.4%	2	0.8%	0	0.0%
40-49	1	1.4%	8	3.2%	7	2.3%

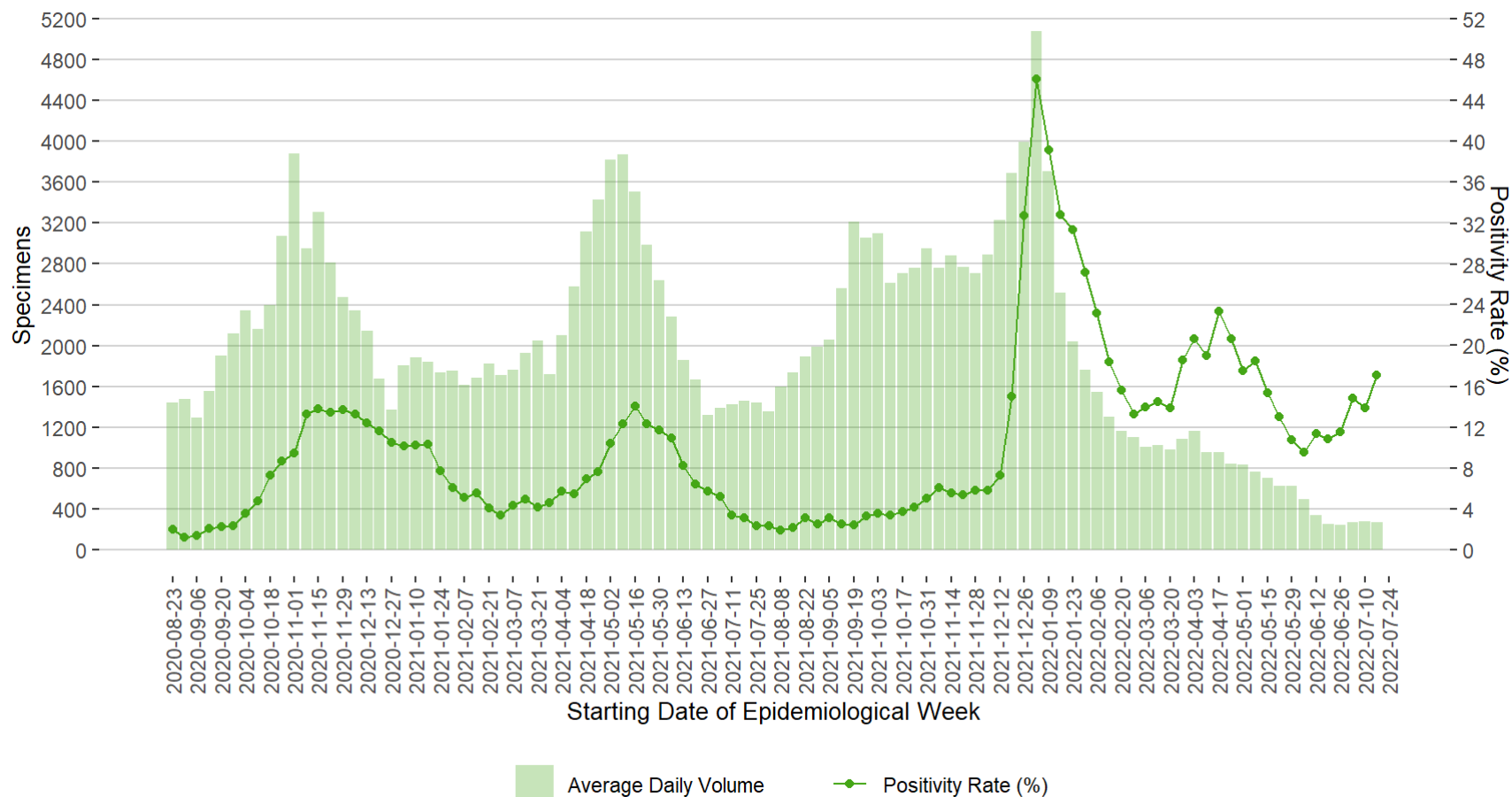
	Partially vaccinated	%	Fully vaccinated	%	After First Booster Dose	%
50-59	15	21.7%	21	8.5%	10	3.3%
60-69	15	21.7%	50	20.2%	31	10.3%
70+	36	52.2%	164	66.1%	253	84.1%
Total deaths	69	100%	248	100%	301	100%

Note: Hospital admissions include ICU admissions.

[Back](#)

Testing

Figure 7. Average Daily Testing Volume and Positivity (%) for COVID-19 by Week of Specimen Receiving Date, Manitoba, August 23, 2020 – July 23, 2022

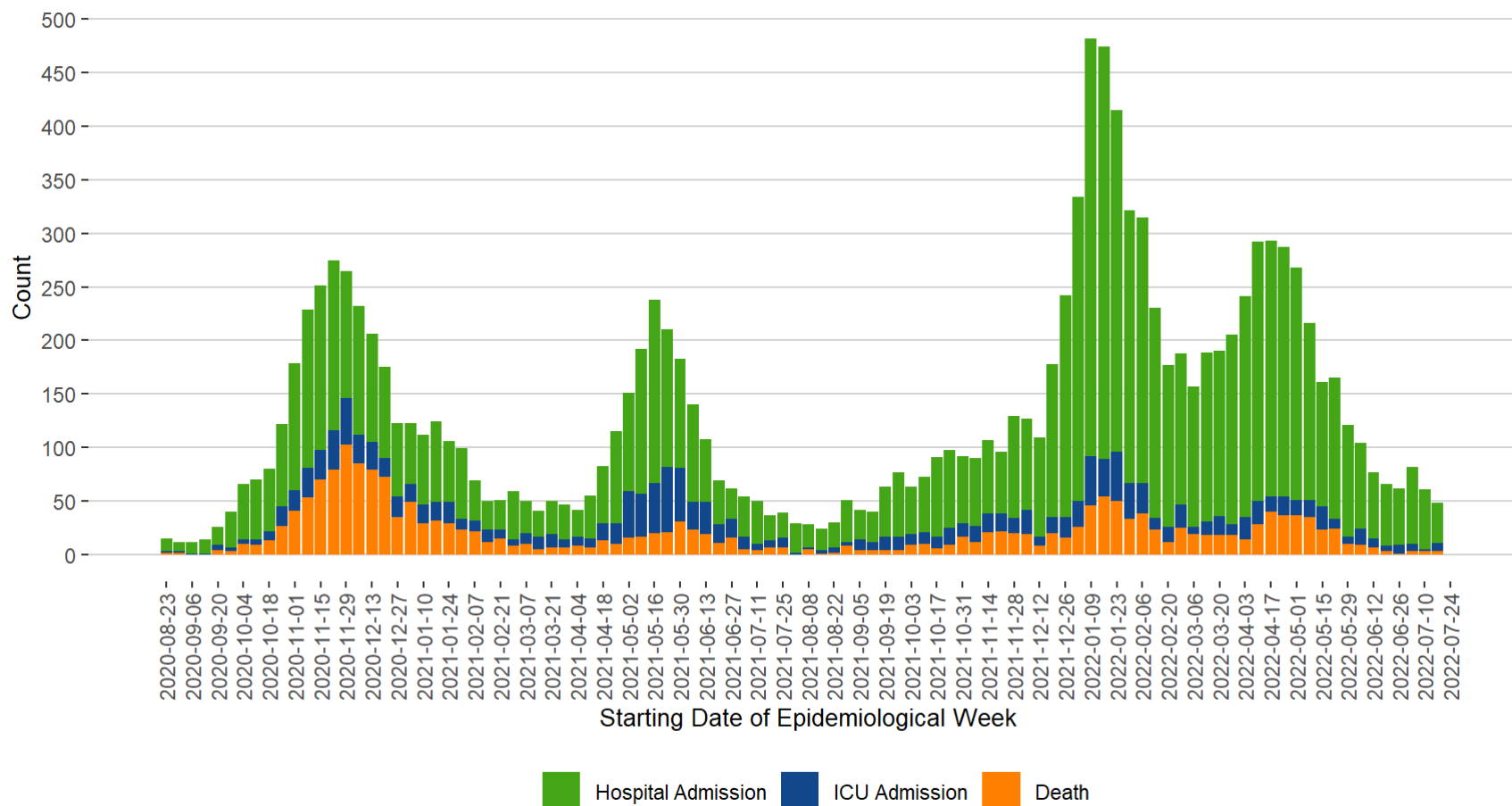


Weekly Testing (.csv) ([downloads/weekly_testing_week_29.csv](#))

[Back](#)

Severity

Figure 8. Severe Outcomes of COVID-19 by Week of Outcome Date, Manitoba, August 23, 2020 – July 23, 2022

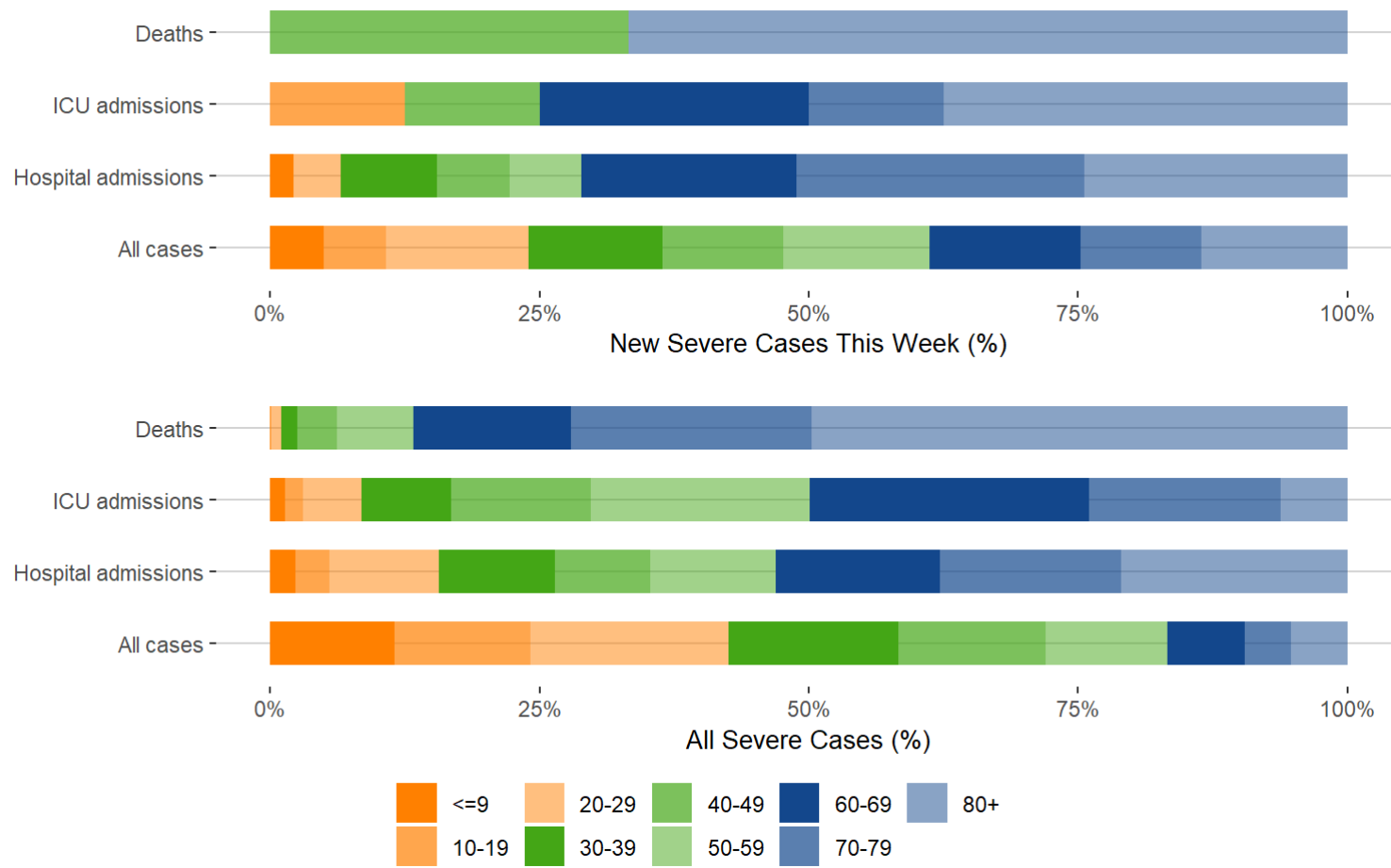


Weekly severe outcomes (.csv) ([downloads/weekly_severe_outcomes_week_29.csv](#))

Note. ICU admissions are not included in the hospital admissions.

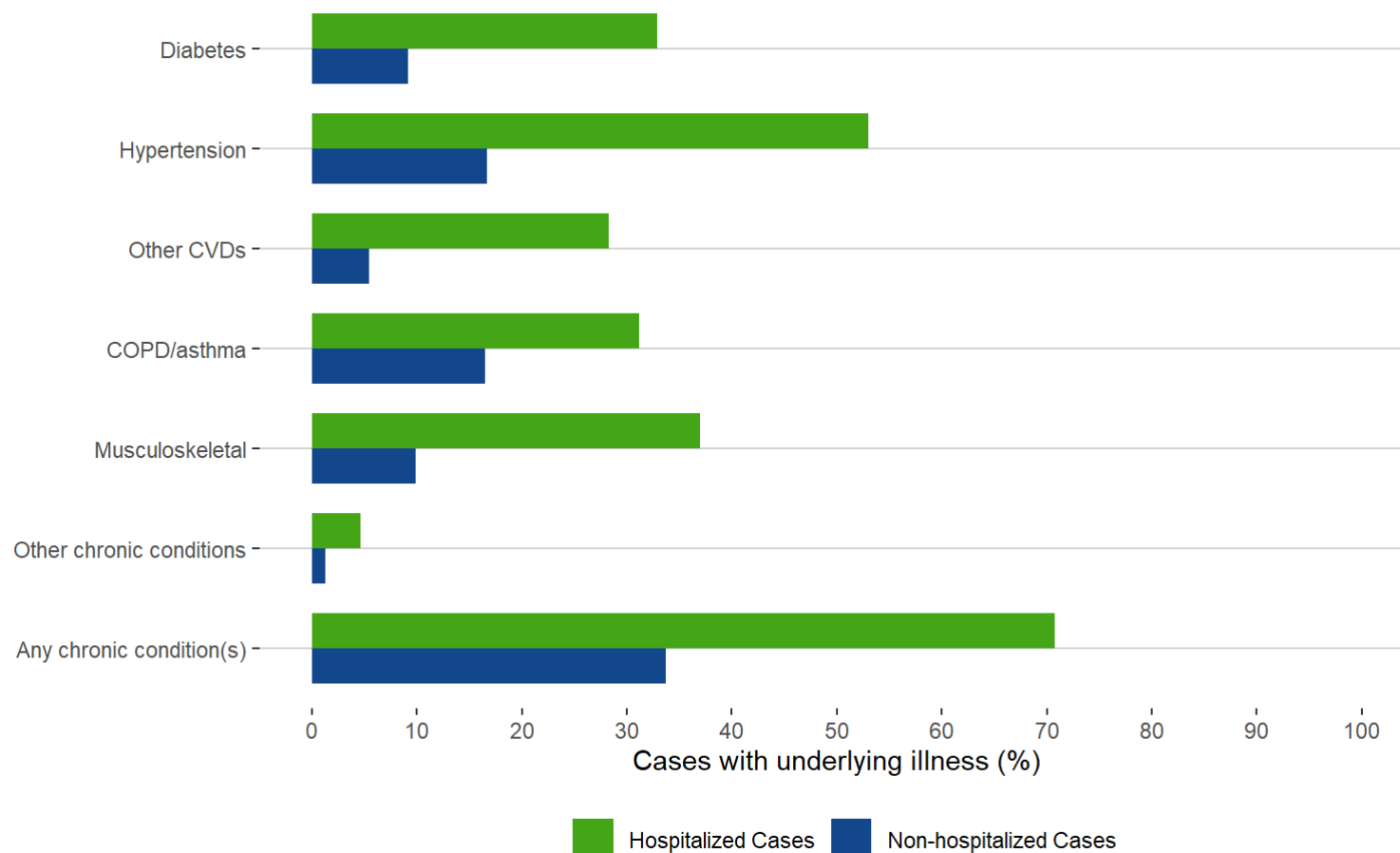
[Back](#)

Figure 9. Age Distribution of Severe COVID-19 Cases Compared to All Cases, Manitoba, March 13, 2020 – July 23, 2022



[Back](#)

Figure 10. Percentage of COVID-19 Cases With Underlying Illnesses, Manitoba, March 13, 2020 – July 23, 2022

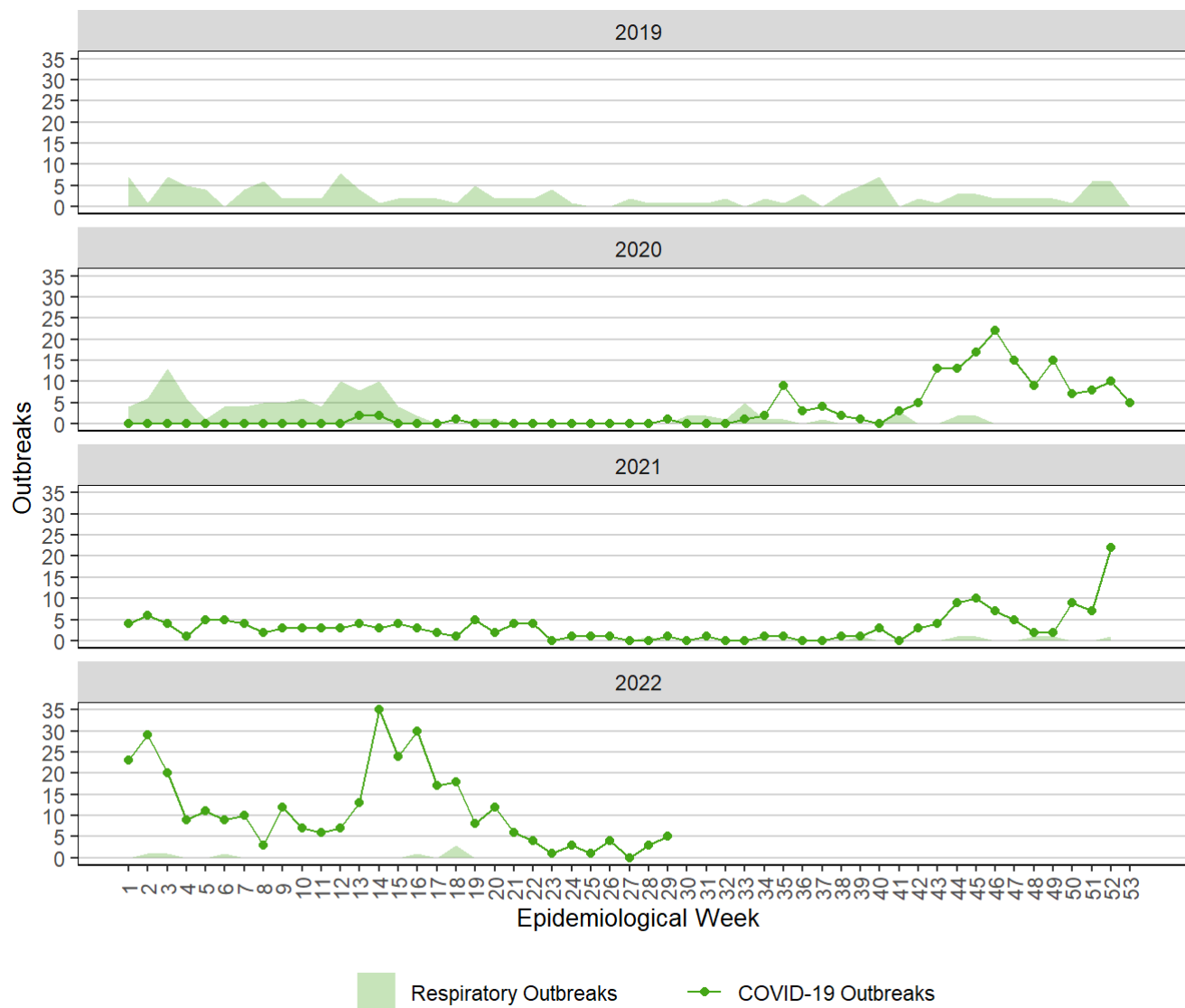


Note. Musculoskeletal illnesses include: osteoporosis, osteoarthritis, juvenile idiopathic arthritis, gout and crystal Arthropathies; COPD-chronic obstructive pulmonary disease; CVD-cardiovascular disease; Other CVDs include: ischemic heart disease, heart failure, acute myocardial infarction, and stroke; Other chronic conditions include: parkinson's disease, multiple sclerosis, alzheimer's disease and epilepsy. About definitions of chronic conditions ([../resources/Notes.html#underlying_illness](#))

[Back](#)

Outbreaks

Figure 11. Weekly COVID-19 Outbreaks, Manitoba, 2019 – 2022


[Back](#)