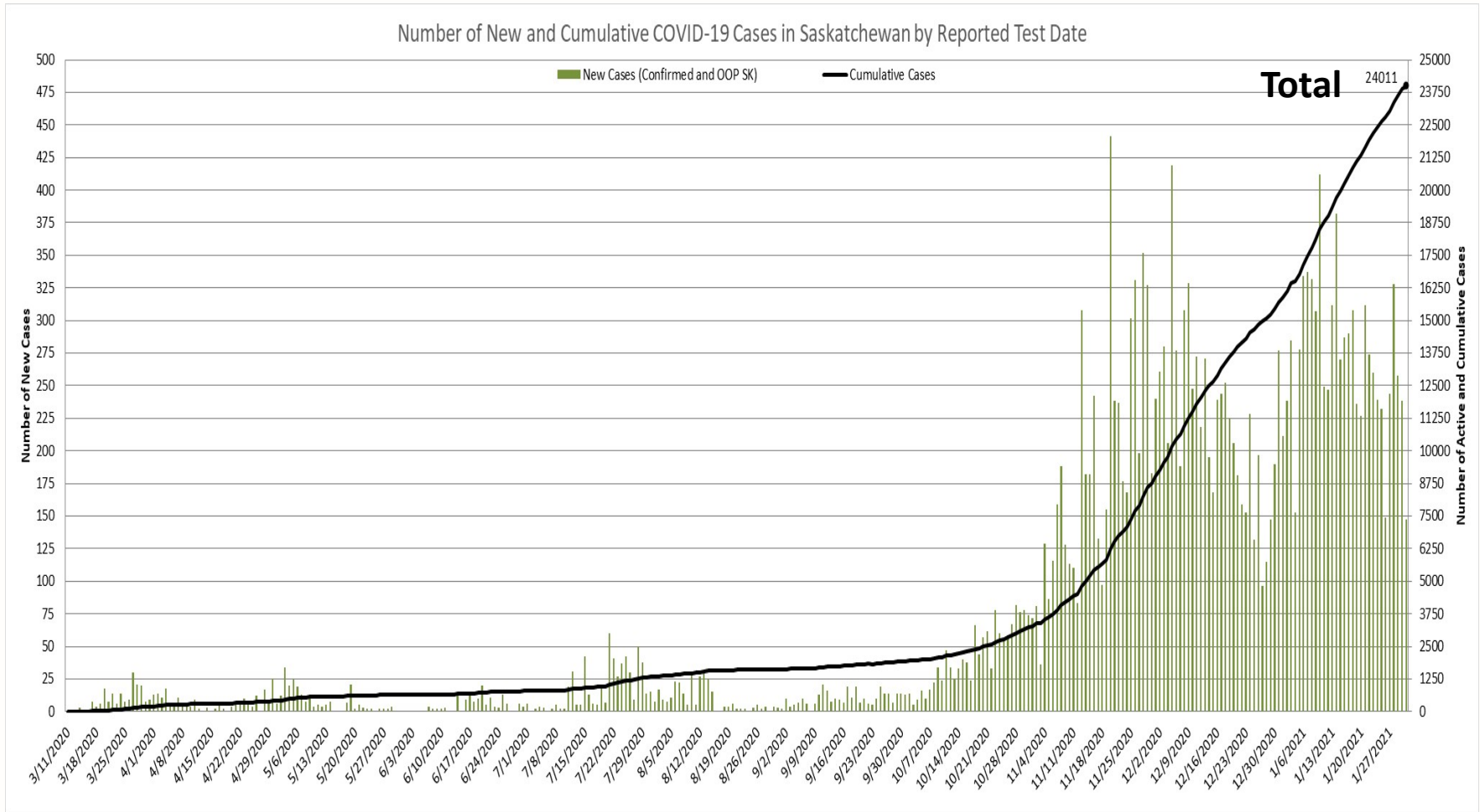


COVID-19: Epi Update

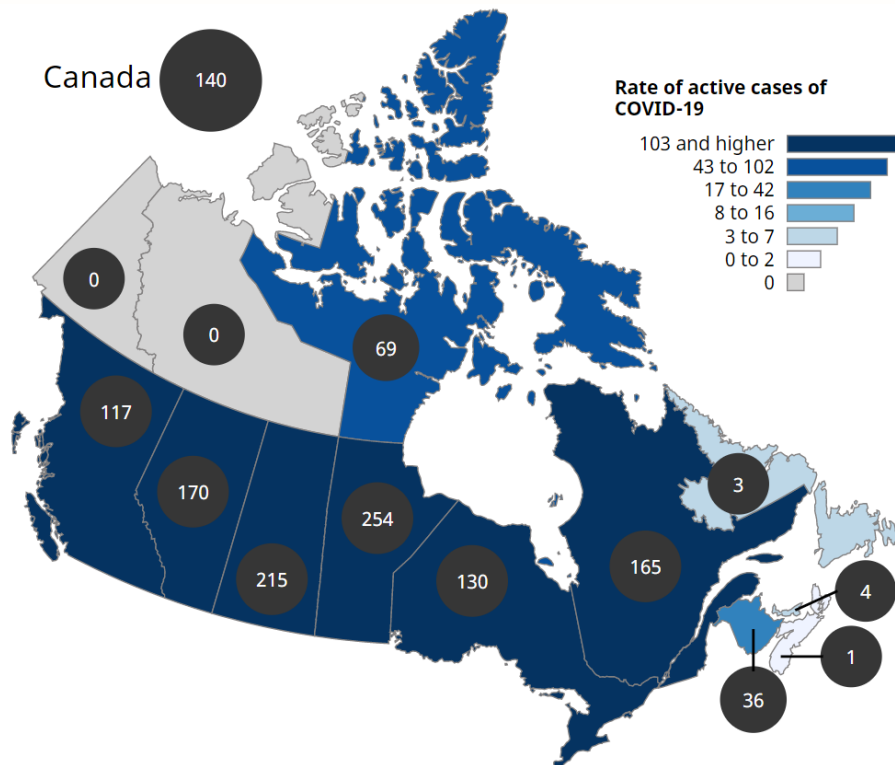
February 2, 2021

Saskatchewan's Epidemic Curve

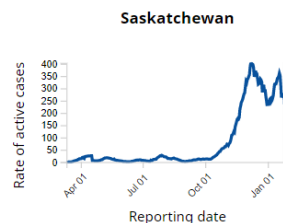
Mar 11, 2020 – Jan 31, 2021 (24,011 cases)



COVID-19 Active Cases per 100,000



The rate of active cases of COVID-19 in Saskatchewan was **215 per 100,000 population** as of January 31, 2021.

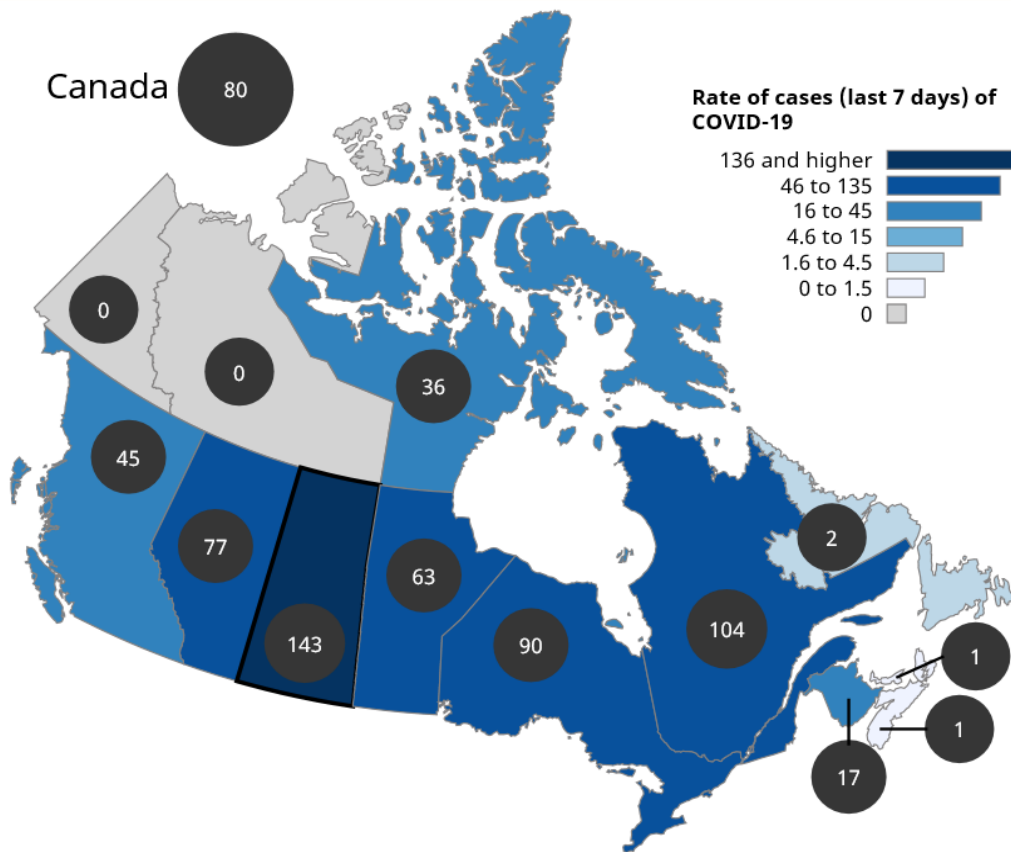


To date:

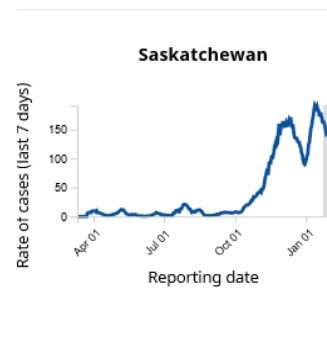
- **24,011 total cases**
- **2,369 active cases**
- **1,030 hospitalized (211 in ICU)**
- **306 deaths (1.3% fatality rate)**

Source: Public Health Agency of Canada, Jan 31, 2021 <https://health-infobase.canada.ca/covid-19/epidemiological-summary-covid-19-cases.html?stat=rate&measure=active#a2>

COVID-19 Rate per 100,000, Last 7 Days (Jan 25, 2020-Jan 31, 2021)



The rate of cases (last 7 days) of COVID-19 in Saskatchewan was **143 per 100,000 population** as of January 31, 2021.



In the last seven days :

- **1,659 cases**
- **18.6/100,000 avg seven day new case rate**
- **44 new hospitalizations**
- **six new ICUs**
- **28 deaths**

Source: Public Health Agency of Canada, Jan 31, 2021 https://health-infobase.canada.ca/covid-19/epidemiological-summary-covid-19-cases.html?stat=rate&measure=total_last7#a2

Variants of Concern in Canada

- There are three variants of concern being monitored in Canada
 - United Kingdom (UK - B.1.1.7)
 - South Africa (SA - B.1.351)
 - Brazil (E484K and N501Y)
- All are associated with higher transmissibility
- Global public health officials are monitoring potential increased mortality and vaccine effectiveness

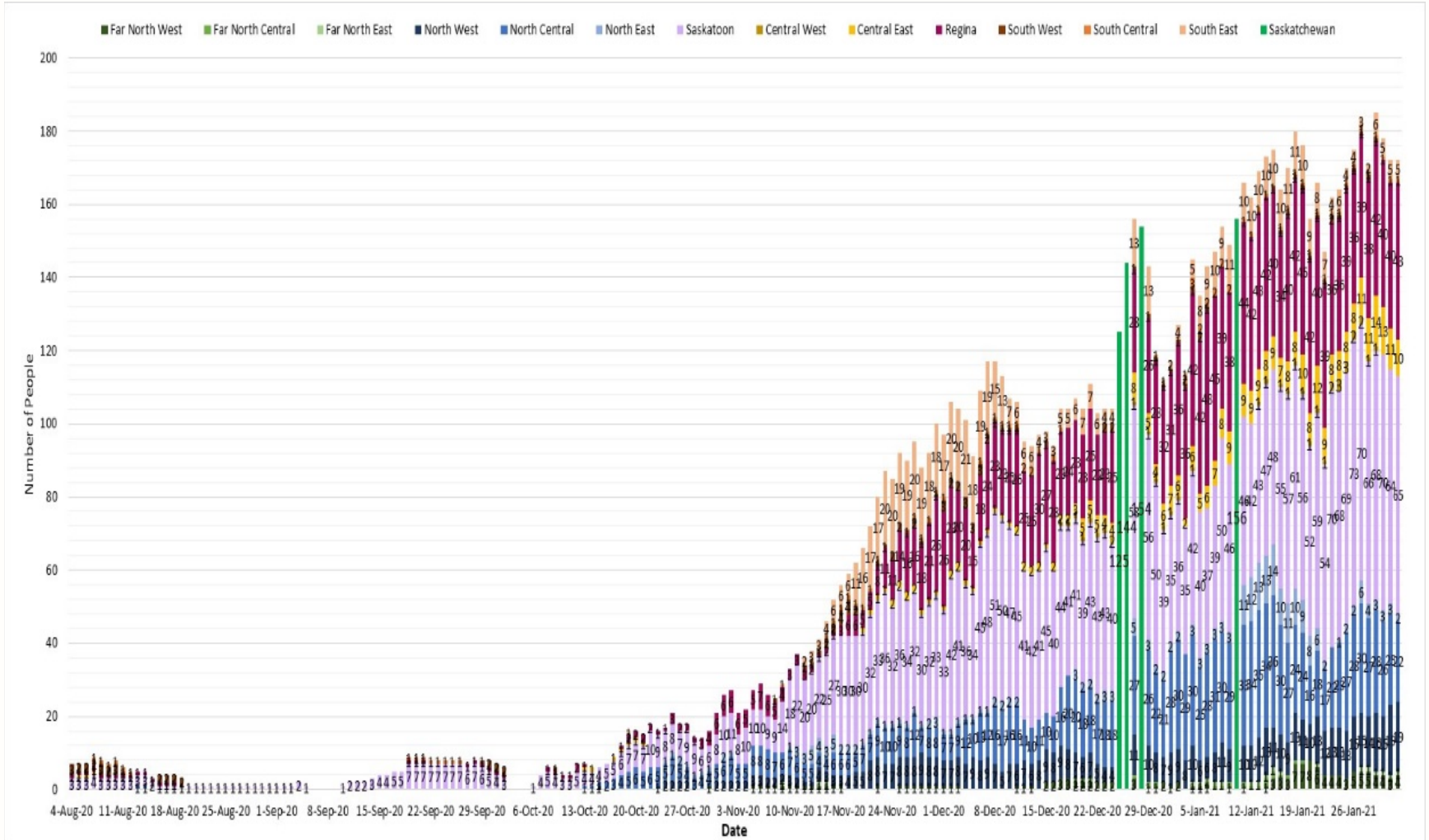
Testing for Variants

- Saskatchewan's Roy Romanow Provincial Laboratory has been actively monitoring for COVID-19 variants but confirmation requires whole genome sequencing available through the National Microbiology Laboratory in Winnipeg.
 - Requires one to two weeks to confirm variant cases.

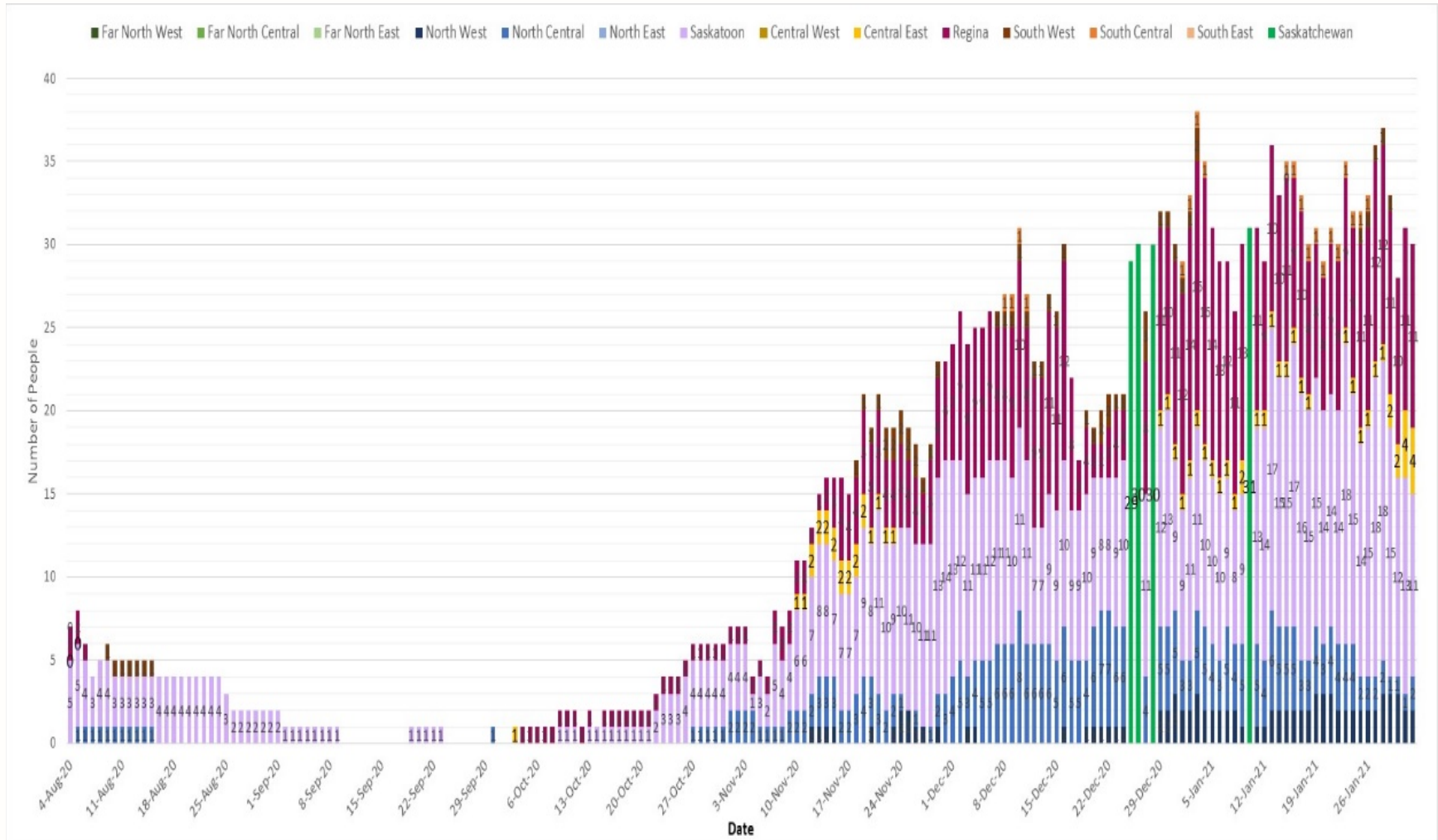
Variants Detected to Date in Canada

- National Microbiology Lab can detect United Kingdom, South Africa and Brazil COVID-19 variants
 - ON – 69 UK, 1 SA
 - BC – 14 UK, 4 SA
 - AB – 44 UK, 7 SA
 - QB - 8 (as of Jan 29)
 - SK – 2 UK
 - NS – 1 UK, 1 SA

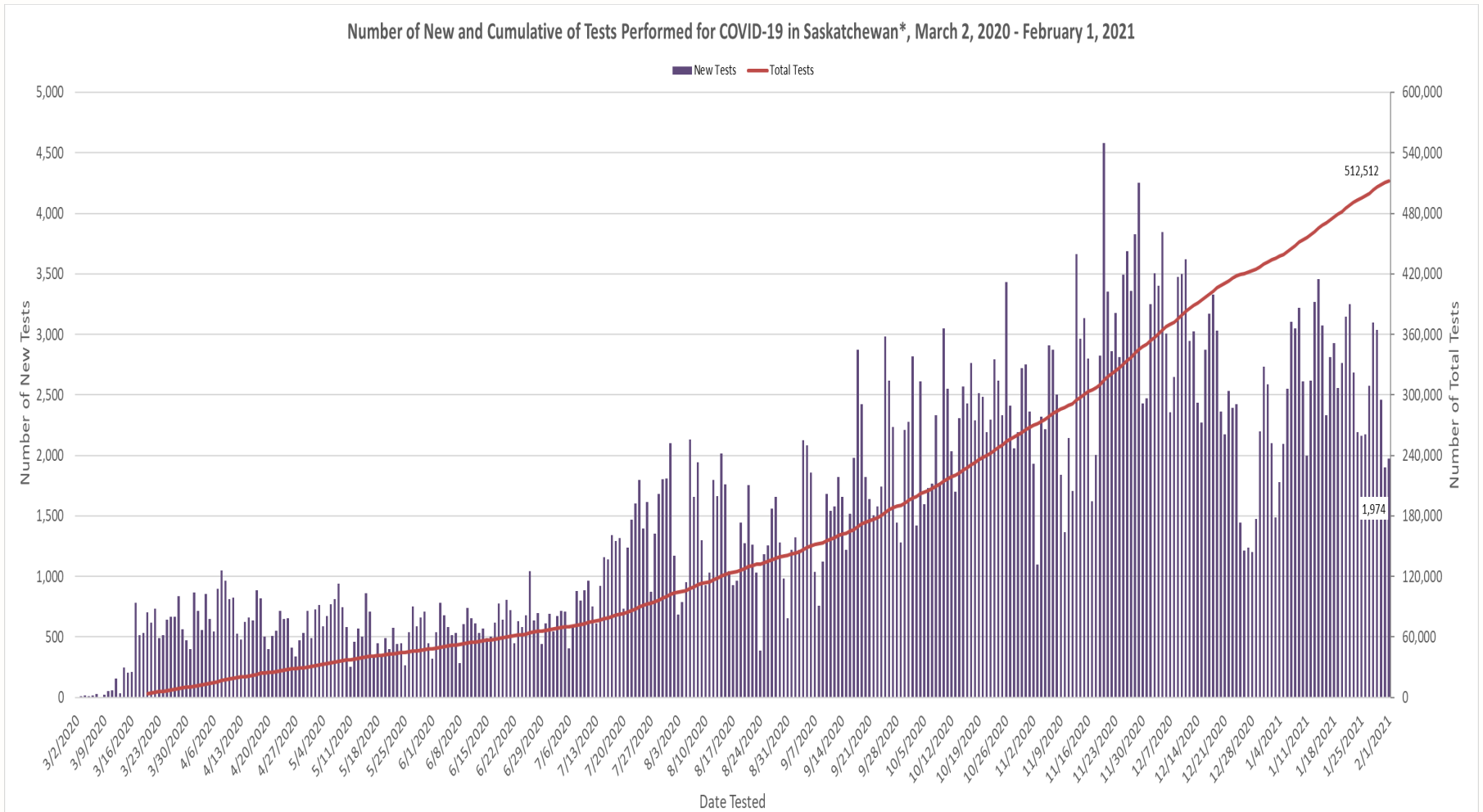
COVID-19 Hospital Census, Aug 4, 2020 – Feb 1, 2021



COVID-19 ICU Census, Aug 4, 2020 – Feb 1, 2021



Provincial COVID-19 Testing, Mar 2, 2020 to Feb 1, 2021



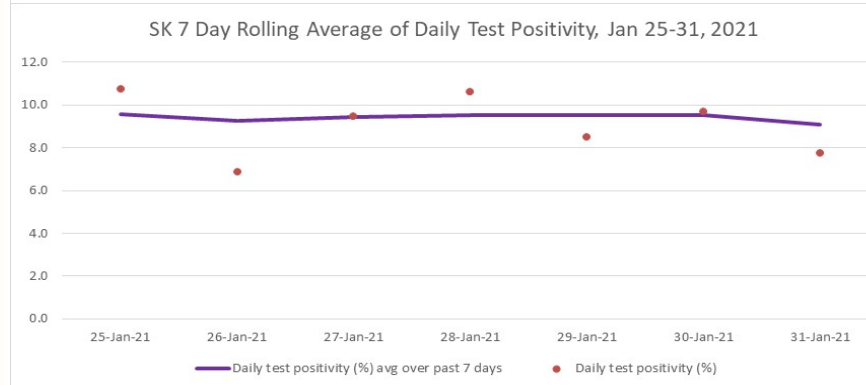
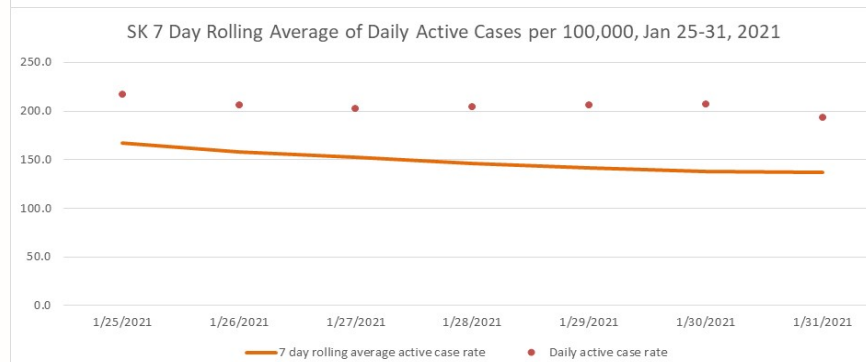
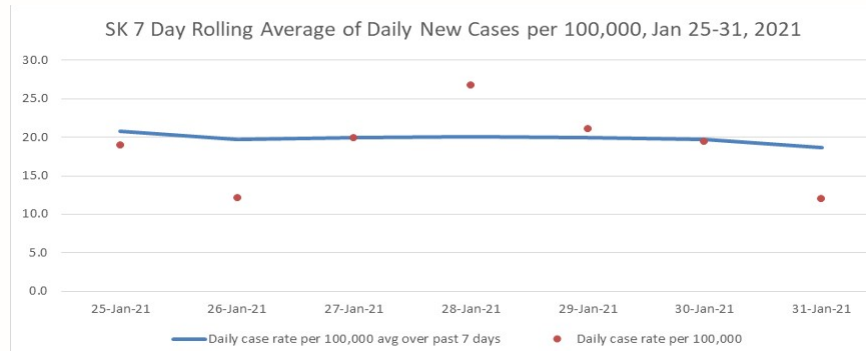
Available with daily dashboard posting at [Saskatchewan.ca/covid19](https://saskatchewan.ca/covid19)

Indicator Summary (Jan 25 - Jan 31, 2021)

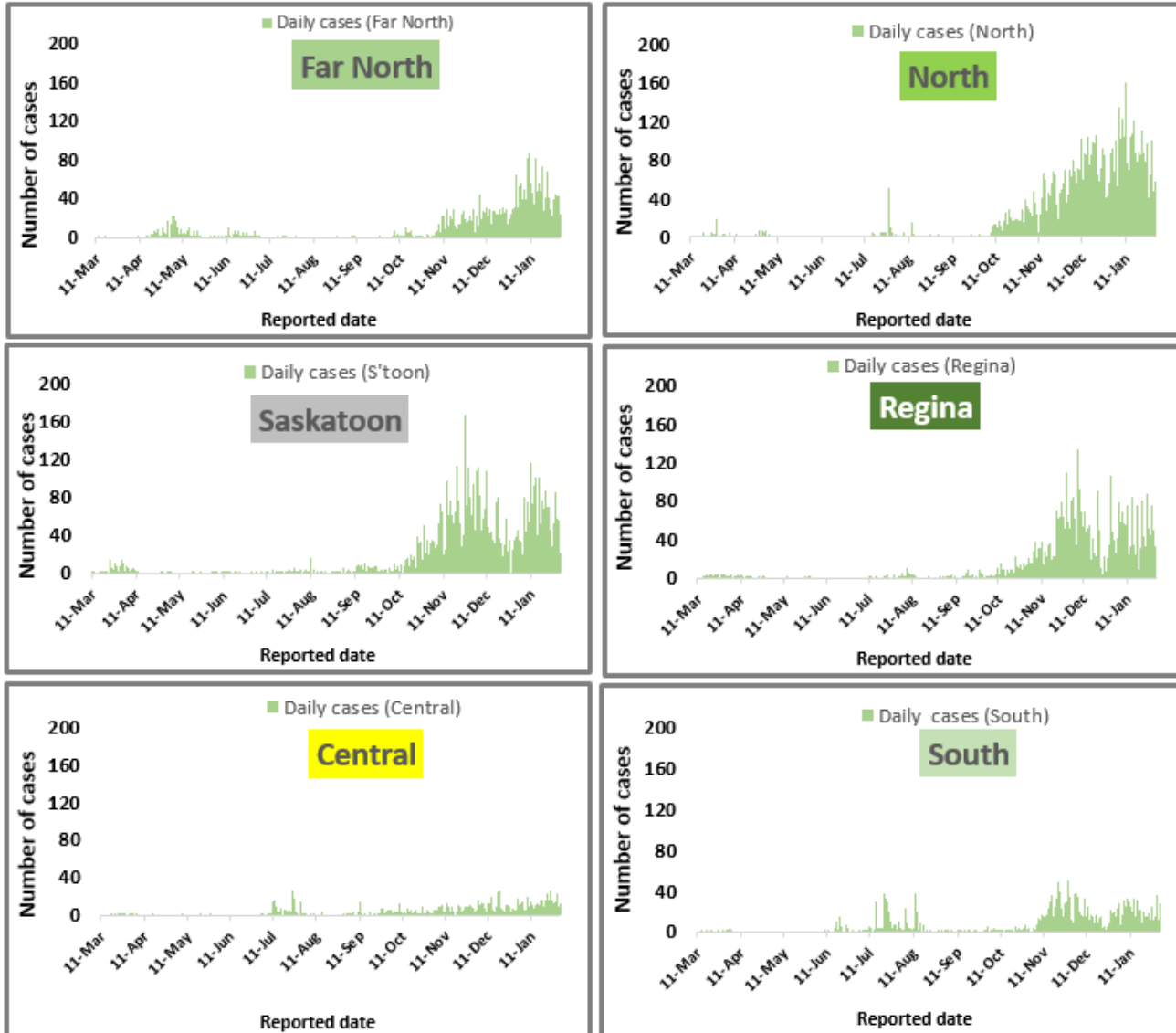
Data as of Feb 1, 2021

Zone	7 day average (Jan 25-31, 2021)					
	Daily new cases	Daily new case rate per 100,000	Daily active cases	Daily active case rate per 100,000	Daily test positivity (%)	Daily testing rate per 100,000
Far North West	20.0	66.3	247.1	819.8	23.6	307.6
Far North Central	3.0	112.1	42.9	1601.5	27.8	464.4
Far North East	12.4	50.7	111.1	453.8	19.4	250.8
North West	29.4	34.8	353.4	418.3	23.3	134.7
North Central	18.6	20.6	209.6	232.2	11.2	181.4
North East	9.9	23.4	148.7	353.0	15.1	143.8
Saskatoon	56.6	16.5	623.9	182.5	8.0	197.5
Central West	4.0	10.6	43.9	116.3	9.9	119.7
Central East	10.0	10.0	125.6	125.6	6.6	145.1
Regina	44.0	15.8	430.9	155.0	8.7	186.6
South West	1.1	2.9	10.0	25.2	4.2	66.6
South Central	3.6	5.7	25.9	41.6	4.5	116.7
South East	13.1	14.4	125.0	136.9	7.5	203.3
SK	228.0	18.6	2512.7	205.1	9.1	203.0

Indicator Summary (Jan 25 – Jan 31, 2021)



Area Epidemic Curves, Mar 11 – Jan 31



Seven Day Average Daily Report for January 25-31, 2021

Zone	7 day average (Jan 25-31, 2021)					
	Daily new cases	Daily new case rate per 100,000	Daily active cases	Daily active case rate per 100,000	Daily test positivity (%)	Daily testing rate per 100,000
Far North West	20.0	66.3	247.1	819.8	23.6	307.6
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South East	13.1	14.4	125.0	136.9	7.5	203.3
SK	228.0	18.6	2512.7	205.1	9.1	203.0

COVID-19 Outbreaks - Jan 18 to 31, 2021

Outbreak settings *	Jan 18-31	
	Confirmed outbreaks n=45	Cases n=45
Special care homes (incl. private, affiliates)	1	3
Personal care homes		
Hospital (acute, rehab)	4	2
Communal/congregate living (group/retirement homes/apartment building)	3	
Shelter	2	
Places of worship	1	
Community events (funerals, weddings)	1	
Restaurant/bar	4	4
House gatherings		
Team sports/fitness centres		
Community wide (remote or geographically defined)	2	
Store (small grocery)		
Correctional facility		
Workplace	20	36
retail/grocery		2
manufacturing/assembling/food processing		8
corrections/policing		
office		4
food service (restaurant, fast food, bar)		1
health facility (LTC, PCH, acute)		5
mining		
Retirement home		
other (day care, grooming/fitness centre)		

45 new outbreaks and 45 cases were reported in the weeks of January 18 -31

**Description (excludes schools and child care centres)*

COVID-19 Exposures by Type (to January 31, 2021)

	Cases Jan 25- 31, 2021	Total Cases to Date
Health Care Workers	69	1473
International Travel	1	159
Domestic Travel	2	159
Health Care Setting	28	279
Congregational/Communal Living Setting	7	931
Mass Gatherings	6	276
Workplace	45	583
Household Exposure	90	2053
Social Exposure	32	720
Public Facilities	13	352
School/Daycare	7	84
Unknown/Not identified	476	6234
Pending	737	4287

Note: total case totals are more than the reported total of cases as HCWs may be counted in other exposure categories also, depending on exposure.

COVID-19 Cases with Unknown and Pending Exposure (Oct 1 to Jan 31, 2021)

Number of cases with exposure unknown, pending and no identified exposure, Oct 1 - 2020 - Jan 31, 2021				
Month	Week #	Unknown	No identified exposure	Pending
October		1	245	77
November		24	1474	640
December		42	1714	1403
January	1	4	136	71
	2	19	491	281
	3	20	457	445
	4	42	454	475
	5	179	291	718
	6	44	17	96
Total		375	5279	4206

Mean, Median, Range of Contacts per Case (Jan 18 - 31, 2021)

Mean, median, range contacts per case past 2 weeks Jan 18 - Jan 31, 2021		
Measure	CLOSE contacts per case past 2 weeks	ALL contacts per case past 2 weeks
Mean	4.5	5.7
Median	3.0	4.0
Range	1-60	1-130

**Includes contacts of cases reported in the last 2 weeks, Jan 18 to Jan 31, 2021*

**Summarized by source (case) Zone - cases out of province or country are excluded.*

**Includes cases who named at least one contact*

**ALL contact types include close, non-close, not a contact, and missing exposure types.*

Mean, Median, Range of Contacts per Case (Jan 11 - 24, 2021)

Mean, median, range contacts per case past 2 weeks Jan 11 - Jan 24, 2021		
Measure	CLOSE contacts per case past 2 weeks	ALL contacts per case past 2 weeks
Mean	4.3	5.3
Median	3.0	3.0
Range	1-51	1-69
<p><i>*Includes contacts of cases reported in the last 2 weeks, Jan 11 to Jan 24, 2021</i></p> <p><i>*Summarized by source (case) Zone - cases out of province or country are excluded.</i></p> <p><i>*Includes cases who named at least one contact</i></p> <p><i>*ALL contact types include close, non-close, not a contact, and missing exposure types.</i></p>		

COVID-19 Hospital, ICU and Deaths by Age Groups (to Jan 31, 2021)

Number of hospitalization, ICU and deaths, to **Jan 31, 2021**

Age group	Number of cases ever hospitalized	Number of cases ever in ICU	Number of Deaths
0-19	24	1	0
20-39	140	14	12
40-59	242	77	22
60-79	378	98	104
80 and over	246	21	168
Total	1030	211	306

Hospitalization and Death Rate (%) by Age Based on Cumulative COVID-19 cases to Jan 21, 2021

Saskatchewan					Canada				
Hospitalization and death proportion by age group, as of January 21, 2021					Hospitalization and death proportion by age group, as of January 21, 2021				
Age group	# Hospitalized	% Hospitalized	# Deaths	% Death	Age group	# Hospitalized*	% Hospitalized	# Deaths	% Death
0-19	19	0.5%	0	0.0%	0-19	541	0.5%	0	0.0%
20-39	119	1.5%	12	0.1%	20-39	2970	1.4%	0	0.0%
40-59	208	3.8%	13	0.3%	40-59	7024	4.1%	376	0.2%
60-79	324	11.3%	78	2.5%	60-79	14079	16.8%	4469	5.5%
80 +	217	21.3%	136	13.0%	80 +	12827	24.0%	12325	24.2%
SK	887	4.1%	239	1.0%	SK	37441	6.1%	17170	2.9%

Data source: Panorama, January 21, 2021

Data source: Stat Canada, January 21, 2021

* Cumulative total includes unknown/unspecified cases

Note: a death reported past week in 0-19 category was due to an error.

- percentage of hospitalized of the total number

COVID-19 Hospital and ICU by Age

Jan 31, 2021

Number of current hospitalization and ICU, **Jan 31, 2021**

Age group	Number of cases hospitalized	Number of cases in ICU
19 and under	2	0
20 to 39	21	3
40 to 59	49	6
60 to 79	83	19
80+	44	1
Total	199	29

The actions taken by the people of Saskatchewan collectively will determine the outcomes.

Simple measures reduce the risk of infection:

- **Mask whenever you are away from your home**
- **Physically distance**
- **Reduce close contacts and non-essential travel**
- **Outdoors is better than indoors**
- **Washing hand/sanitizing often**
- **Abide by the public health guidelines in every public space**

**Public Health Order is available at
saskatchewan.ca/COVID19**