

# Saskatchewan West Nile Virus (WNV) Weekly Surveillance & Transmission Risk Report

FOR WEEK ENDING AUGUST 05, 2023

## Highlights:



All *Culex* spp. mosquito pools tested to date have been negative for WNV.



The CWHC has detected six<sup>1</sup> WNV-positive birds in ecological risk area 3; this indicates the virus is currently circulating in the province.



Historically, the last two weeks of July and the first two weeks of August are the highest risk for transmission.



To avoid mosquito bites, use insect repellents, cover up, and limit time outside during peak times of mosquito activity.

<sup>1</sup>Changed from seven to six WNV-positive cases. One weakly positive sample tested negative upon confirmatory testing.



Risk of being bitten by an infected mosquito this week by zone

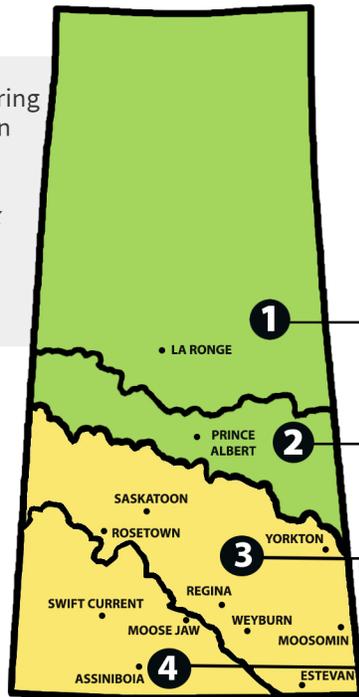


Percentage of mosquito pools that tested positive for WNV this week and this season

The risk of humans acquiring WNV infection depends on various factors including time of year, number and location of infected *Culex tarsalis* mosquitoes, and numbers of days with sufficient heat.

Risk level:

- Minimal
- Low
- Moderate
- High



	% THIS WEEK	COMPARED TO PREVIOUS WEEK	% THIS SEASON
OVERALL SK	0%	≈	0%
Zone 1 (Minimal)	N/A	N/A	N/A
Zone 2 (Low)	N/A	N/A	N/A
Zone 3 (Low)	0%	≈	0%
Zone 4 (Low)	0%	≈	0%

≈ - No change; N/A - Not applicable

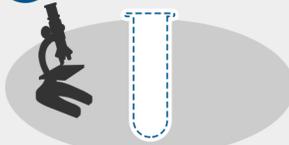
## Human surveillance

THIS WEEK

0 WNV positive lab tests

0 cases of WNV neuroinvasive disease

0 deaths due to WNV



THIS SEASON

0 positive lab tests\*

0 neuroinvasive cases

0 deaths due to WNV

\*These include tests done by the Roy Romanow Provincial Laboratory (RRPL) and Canadian Blood Services (CBS). A positive laboratory test does not necessarily indicate a current WNV infection.