

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

FOR WEEK ENDING SEPTEMBER 23, 2023 - ADDENDUM TO THE FINAL REPORT (SEPTEMBER 09)

## Highlights:



All *Culex* spp. mosquito pools tested this season have been **negative** for WNV. Mosquito surveillance ended on Sept. 09, 2023.



A single human case of West Nile neuroinvasive disease was reported on Sept. 11, 2023 in ecoregion 4. This report and a total of eight WNV-positive human laboratory test results indicate WNV transmission in humans occurred this season.



In total, ten WNV-positive equine (horse) cases have been reported this season. The Canadian Wildlife Health Cooperative detected 25 WNV-positive birds this season.



Mosquitoes will continue to actively bite on warmer evenings and throughout the night when temperatures are greater than 15°C. Possible transmission of WNV may occur until there is widespread hard frost.



Risk of being bitten by an infected mosquito for the week ending Sept. 09 by zone

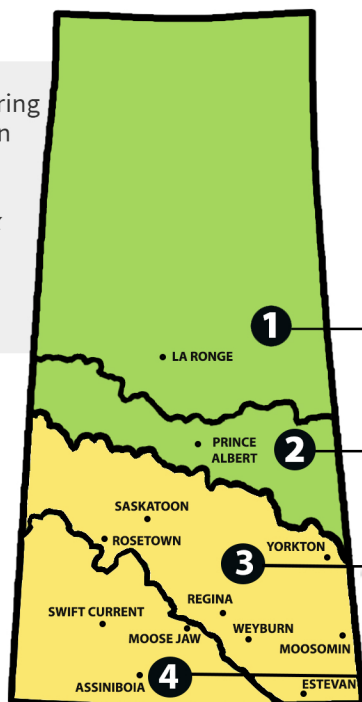


Percentage of mosquito pools that tested positive for WNV the week ending Sept. 09 and this season

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:

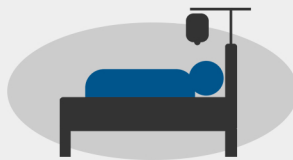
- Minimal
- Low
- Moderate
- High



	% THE WEEK OF SEPT 09	COMPARED TO PREVIOUS WEEK	% THIS SEASON
OVERALL SK	0%	≈	0%
1	N/A	N/A	N/A
2	N/A	N/A	N/A
3	0%	≈	0%
4	0%	≈	0%

≈ - No change; N/A - Not applicable

## Human surveillance



THIS SEASON

8 positive lab tests\*

1 neuroinvasive case\*\*

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.

\*\* The 2023 human neuroinvasive case counts are preliminary.