

# WEST NILE VIRUS AND OTHER MOSQUITO-BORNE DISEASES SURVEILLANCE IN CANADA

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## WHAT'S THE RISK?

- ▶ **West Nile virus (WNV)** is the leading cause of domestically acquired **mosquito-borne diseases (MBD)** reported in Canada

## WHO'S AT GREATER RISK?

- ▶ **Advanced age** and people with **underlying medical conditions** (e.g. diabetes, cancer, heart disease) are at increased risk of WNV neurological syndrome

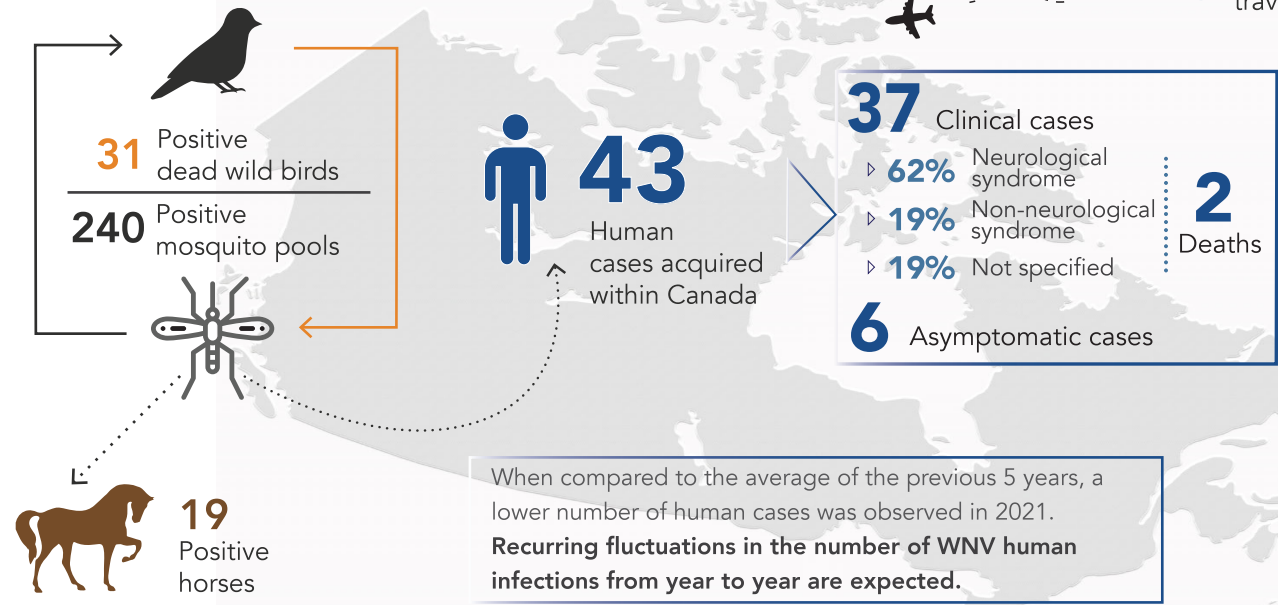
## HOW TO MANAGE?

- ▶ There is **no specific treatment or vaccine** for WNV
- ▶ Patients are treated for their symptoms

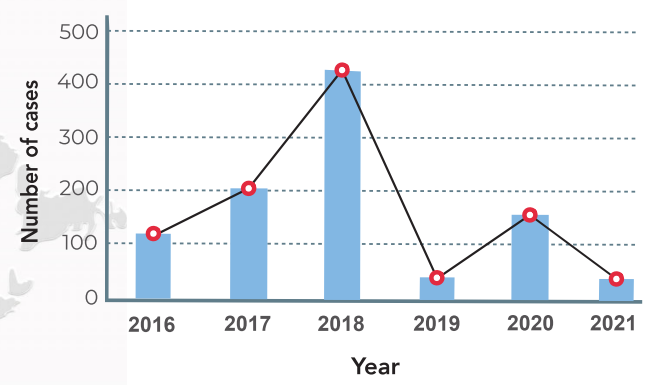


## REPORTED IN 2021:

WNV TRANSMISSION CYCLE



Reported number of WNV human cases in Canada, 2016–2021



## OTHER MBD

- 18** Human **California serogroup virus** infections were reported (2 identified by the National Microbiology Laboratory and 16 reported by Québec)
- 7** Cases of **Eastern equine encephalitis** in horses were reported

## PUBLIC HEALTH RECOMMENDATIONS

Avoid becoming infected with WNV and other mosquito-borne diseases by:

### Protecting yourself

- Cover exposed skin
- Use insect repellent with DEET or Icaridin

### Reducing surrounding risk

- Eliminate standing water
- Maintain window and door screening



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