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

Annual edition 2018

WHAT IS THE RISK?

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

WNV TRANSMISSION

170 Positive wild birds

571 Positive mosquito pools

123 Positive horses

FACTS

REPORTED IN 2018:

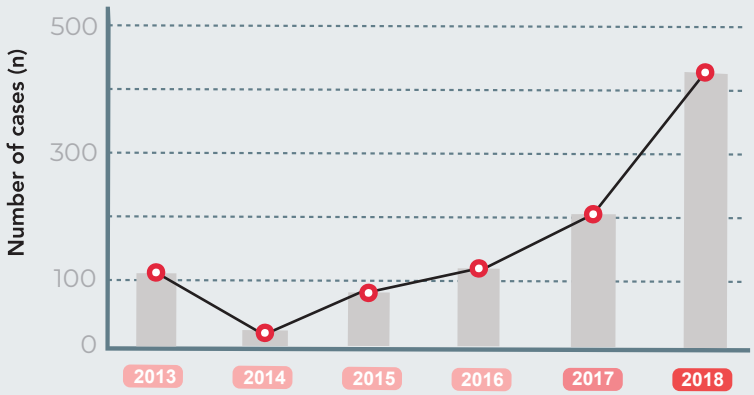
432 human cases of WNV

29 Deaths associated with WNV

238 Neurological illness

In 2018, a higher number of **WNV-positive** birds, mosquitoes and horses were observed, when compared to the previous **5** years

Reported number of WNV positive humans (probable and confirmed) in Canada, 2013–2018



OTHER MBD

72 human cases of **CALIFORNIA SEROGROUP** viruses

13 horses tested positive for **EASTERN EQUINE ENCEPHALITIS** virus

PUBLIC HEALTH RECOMMENDATIONS

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

PROTECTING YOURSELF

- cover exposed skin
- use insect repellent

REDUCING SURROUNDING RISK

- eliminate standing water
- maintain window and door screening

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Cat.: HP37-32E-PDF | ISSN: 2563-500X | Pub: 200169

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