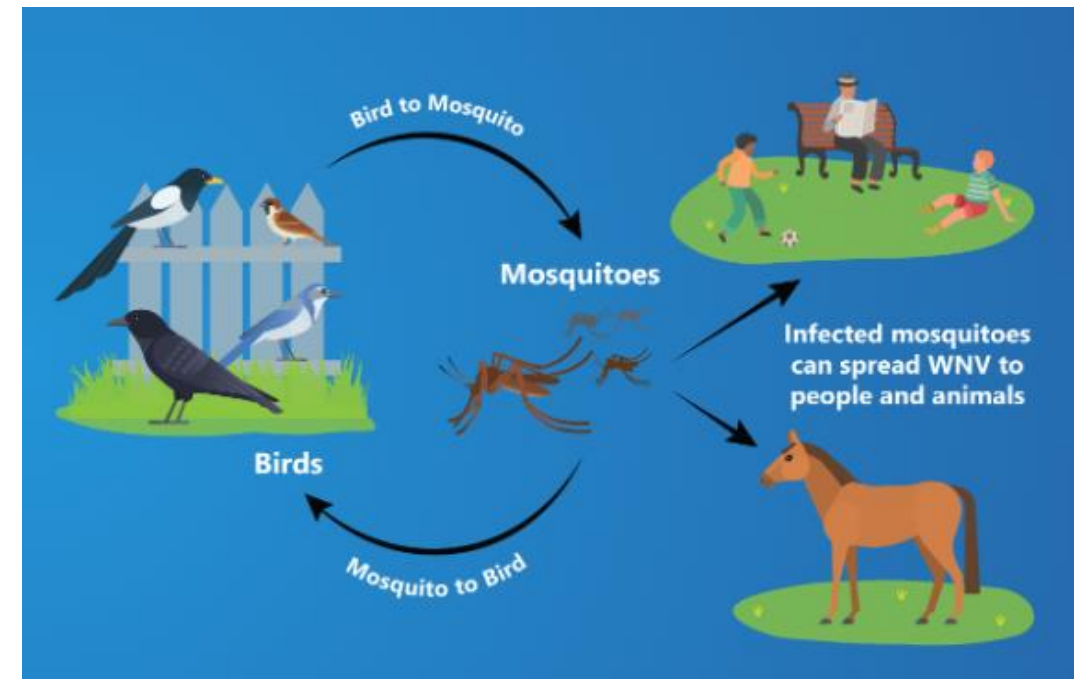


West Nile Virus in Yolo County

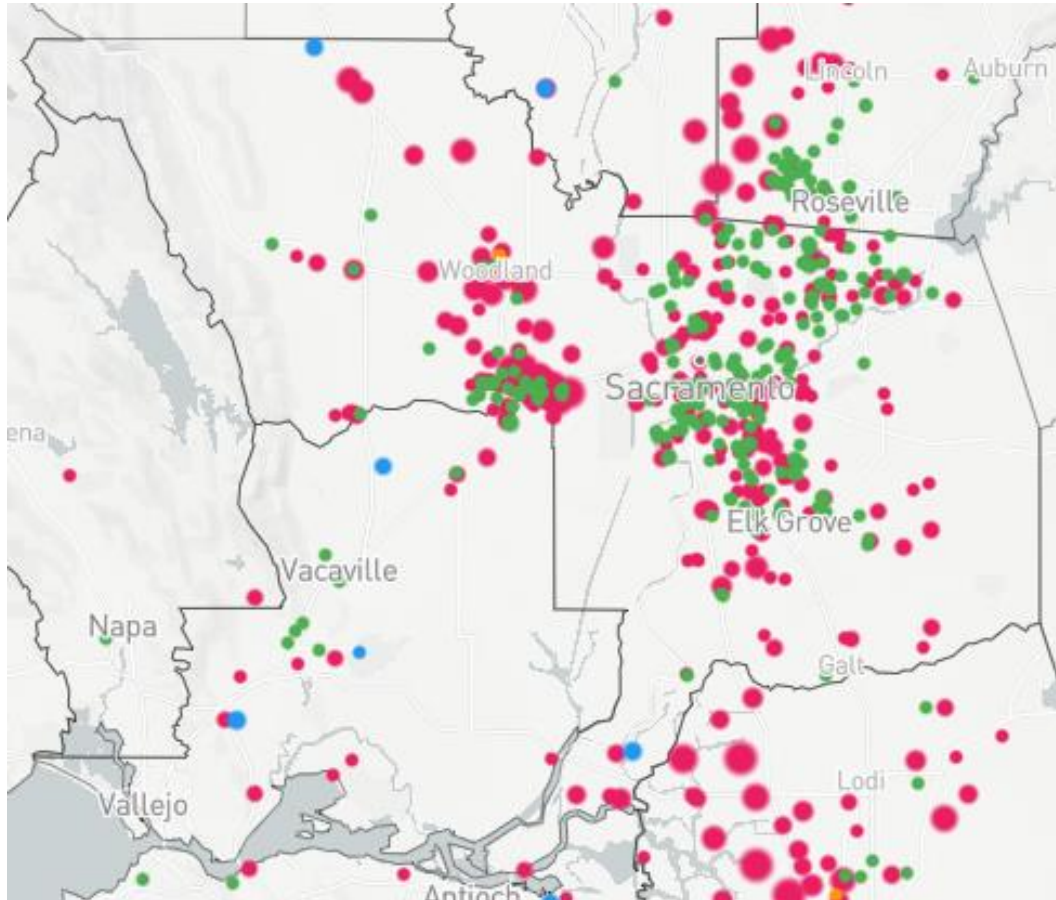
September 12, 2023

West Nile virus is spread by mosquitoes.

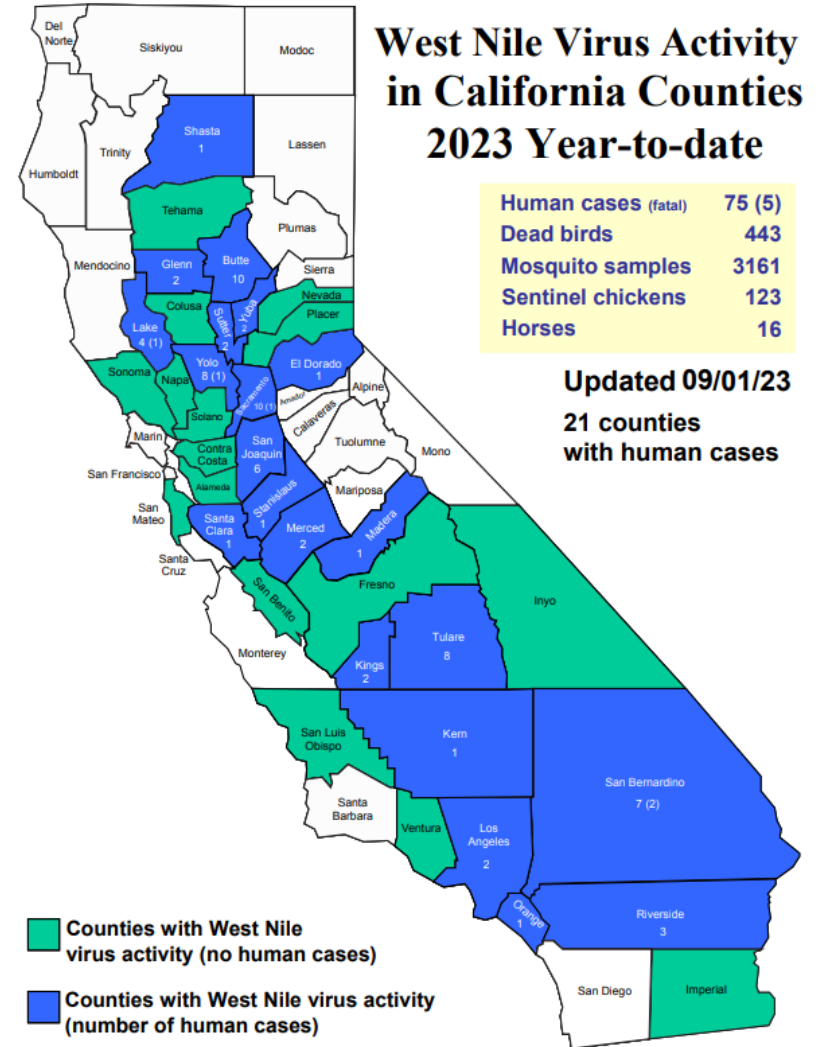
- West Nile virus is most common cause of mosquito-borne disease in continental U.S.
- Spread by bite of an infected mosquito
 - Birds can be infected but humans cannot get disease from birds
- Most infected people (80%) have no symptoms
- 1/5 infected people develop febrile illness
 - Fever, headache, fatigue, body aches
- 1/150 infected people develop serious illness
 - Central nervous system affected (inflammation of brain or membranes around brain)
 - Older adults, underlying conditions, immunocompromised
 - 1/10 with serious illness die



West Nile virus activity is high in Yolo.

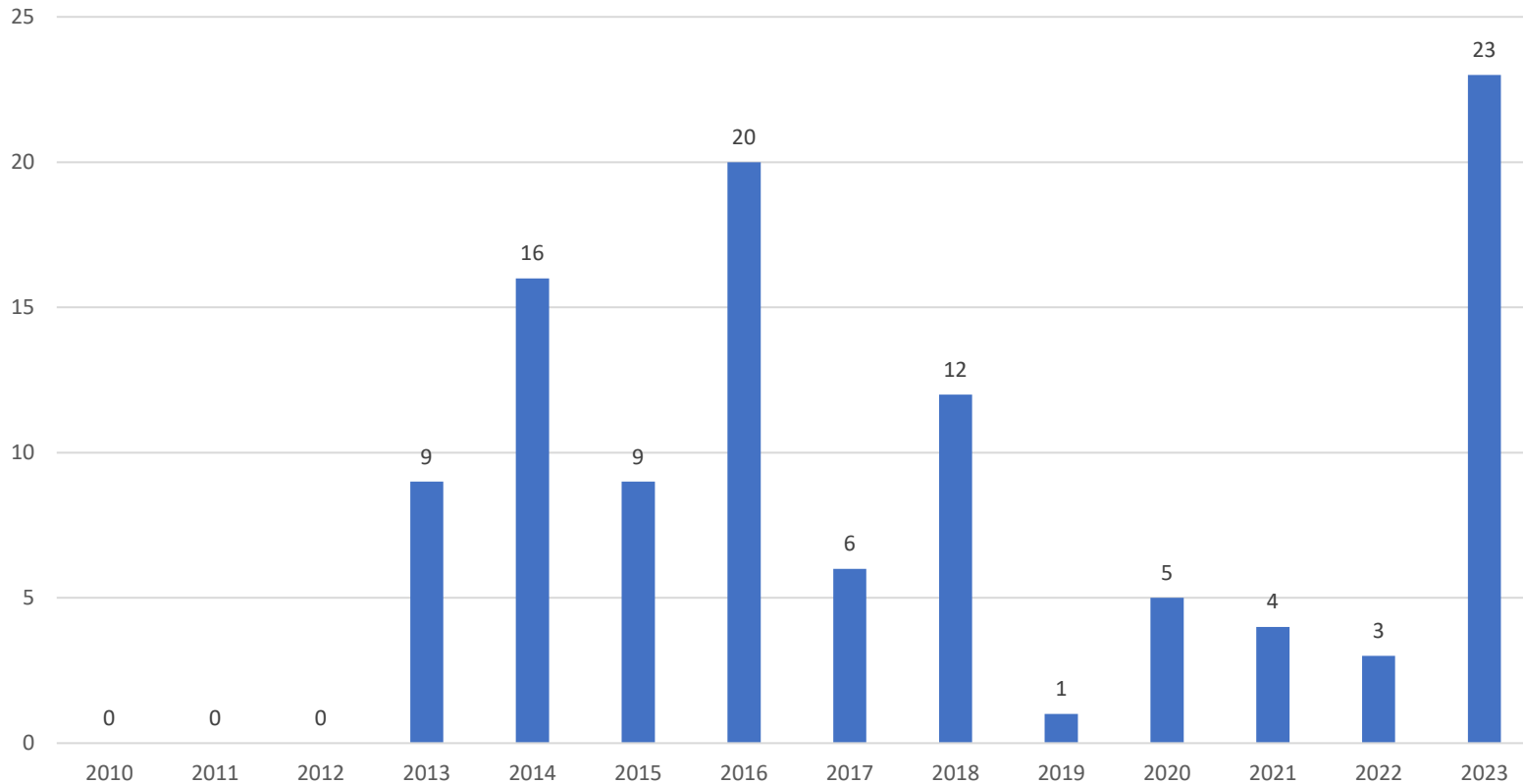


Source: westnile.ca.gov, as of 9/1/23

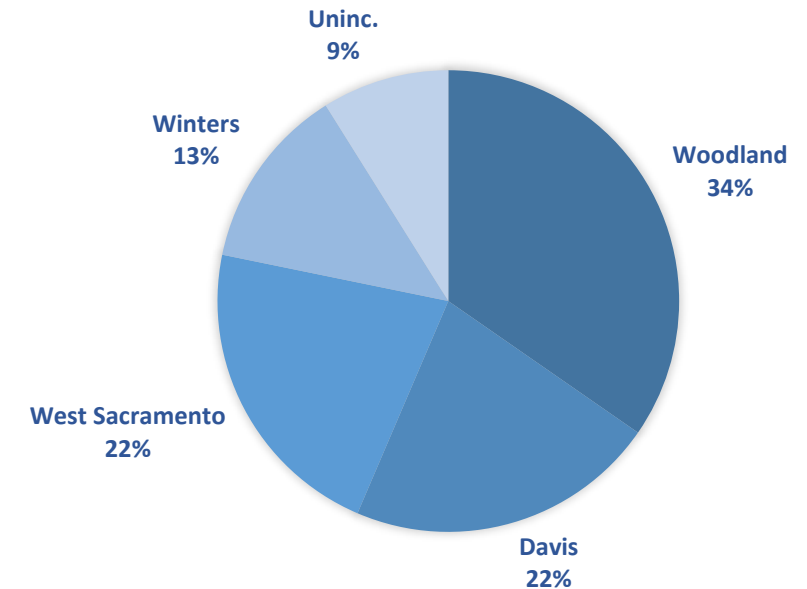


WNV activity in humans in 2023 highest since 2010.

WNV Cases in Yolo County, 2010-2023



WNV Case Locations, 2023



Yolo WNV Cases by Type, 2023

Case Type	Number of Cases
Asymptomatic	3
Non-Neuroinvasive	8
Neuroinvasive	12

WNV infection can be fatal.

- Yolo County resident died in August 2023 from WNV disease
- 5 California deaths this season (Lake, Sacramento, San Bernardino, Yolo)
- Deaths are more likely in older adults, those with underlying conditions, or with weakened immune systems
- Approximately 1 in 1,500 infections results in death
- Previous WNV deaths in Yolo: 1 each in 2016, 2017, 2018

WNV infection can be prevented: “Fight the bite.”

Actions individuals can take:

Mosquito Bite Prevention



Use repellent



Stay covered



Fix screens



Drain water

Actions Sacramento-Yolo Mosquito and Vector Control District can take:

- Ground-level spraying: hand sprayers, backpack foggers, truck-mounted foggers
- Aerial spraying: aircraft
- Ultra-low volume treatments with EPA-registered pesticides

Public Health & Vector Control work together on WNV.



Health and Human Services Agency
Public Health Branch

- Investigate case reports
- Coordinate confirmatory testing at CDPH lab

Data



Communication



- Monitor mosquito populations
- Monitor sentinel chickens
- Control mosquitoes