Arboviral Surveillance Report

July 2, 2018

Surveillance

This report provides data on week 26 of surveillance for West Nile virus (WNV) in mosquitoes and includes data on other surveillance indicators. 80 gravid and BG sentinel traps were placed throughout the City of Chicago and monitored twice a week for the duration of the mosquito-breeding season. Three (3) mosquito pools tested positive and there were no other indicators of WNV activity in Chicago.

Mosquitoes (data from 80 traps)

Week 26 (06/24/18 – 06/30/18)	
Total Collections (Number of Traps X Frequency of Collection)	153
Number of Female *Culex* Trapped and Tested	2,138
Number of Pools Tested	107
Number of Pools Positive	8
Number of Community Areas with Positive Mosquito Pools	3
Cumulative Totals	
Total Collections (Number of Traps X Frequency of Collection)	597
Number of Female *Culex* Trapped and Tested	5,977
Number of Pools Tested	398
Number of Pools Positive	14
Number of Community Areas with Positive Mosquito Pools	4

Community Areas with Positive Mosquito Pools (Cumulative): O'Hare, West Pullman, West Lawn, Riverdale.

Dead Birds: To date, 1 dead bird has been collected. Test results were negative.

***Aedes albopictus (cumulative)*:** 3 females and 0 males

Humans: 1

Risk Assessment

Although mosquito activity is significantly increased in comparison to 2017, the risk of human West Nile virus infection in the City of Chicago is currently low. We have currently collected more than 3 times the number of mosquitoes in comparison to this same time last year. Additionally, we have tested more than 50% as many mosquito pools and have a 3-fold increase in the number of positive mosquito pools. Indicating that July could bring with it a higher risk for mosquito-borne infections.

Larval and Adult Mosquito Control Efforts

The City of Chicago larvicide project is ongoing with over 70,000 catch basins treated in the public way. Surveillance crews will monitor catch basins for the remainder of the summer to assess the level of control.