

Arbovirus Surveillance, Mitigation and Prevention Plan 2016

Each year the DC Department of Health (DOH), Animal Disease Control Division, executes its Arbovirus Surveillance and Response Plan in the District of Columbia. This Plan has been in place since 2002 as a public health responsibility in an effort to reduce the risk of Arboviruses such as the West Nile Virus. In response to the increased concerns surrounding the emerging Zika Virus, the 2016 Plan is enhanced to include surveillance and response to multiple Arboviruses, including Zika Virus. The Plan includes vital strategies to render the following public health services to the District's residents: seasonal mosquito surveillance, larval habitat source reduction, larval mosquito control, outreach and education.

The 2016 Arbovirus Surveillance, Mitigation and Prevention Plan will contain three (3) main elements:

- 1. Mosquito Surveillance (Trapping and Testing):** Mosquito surveillance will include trapping of mosquitos in each of the eight District Wards. Trapping will begin on April 4, 2016 and continue weekly through October 28, 2016 for a total of thirty (30) consecutive weeks. Trapping will consist of using gravid traps and carbon dioxide (CO₂) traps. The mosquito specimens collected will be tested for the following zoonotic diseases by the DC Public Health Laboratory:
 - West Nile Virus;
 - Zika Virus;
 - Chikungunya Virus; and
 - Dengue Fever Virus.

Testing results will be reported to the DOH weekly and provided to the public through the DOH website.

- 2. Arbovirus Mitigation:** The control of mosquito populations within the District will be managed through the use of larvicidal agents which affect the larval stage of the mosquito life cycle; preventing maturation into adulthood. Larval habitat source reduction will occur by applying larvicide to areas of standing water and catch basins. This component of the plan will be executed from May 2, 2016 –September 2, 2016 for a total of 18 weeks, when mosquito breeding is most active.

Resident larvicidal application: District residents will have the opportunity to acquire larvicidal dunks from 16 Point(s) of Distribution (POD)/District recreation centers for application in their own properties and neighborhoods. Residents will also have the opportunity to report high numbers of mosquitoes or standing water in their neighborhood to the DOH Animal Disease Control Division by calling the dedicated hotline at (202) 442-5833 or emailing mosquito.info@dc.gov . They will also be able to come directly to DOH to obtain mosquito protection kits.

- 3. Arbovirus Educational Outreach/Communications:** In partnership with the DC Department of Parks and Recreation, DOH plans to host two community outreach engagements, scheduled for Saturday, May 14, 2016 and Saturday, July 16, 2016 that will inform DC residents on the proper use of larvicides, how to reduce mosquito breeding sites in the community, and preventative measures individuals can take to protect themselves. In addition to educational materials DC residents will also receive free mosquito protection kits. These kits will include larvicidal dunks, literature in multiple languages, 4 oz spray bottles of child-friendly insect repellent. Distribution schedule can be found above on Table 1.

Table 1- DC Ward POD Sites

POD Name	Address 1	Zip code	Ward	Date
Banneker Recreation Center	2500 Georgia Ave NW	20001	Ward 1	May14, 2016
Columbia Heights Community Center	1480 Girard St NW	20009	Ward 1	July 16, 2016
Jellef Recreation Center	3265 S St NW	20007	Ward 2	May14, 2016
Stead Recreation Center	1625 P St NW	20036	Ward 2	July 16, 2016
Chevy Chase Community Center	5601 Connecticut Ave NW	20015	Ward 3	May14, 2016
Friendship Recreation Center	4500 Van Ness St NW	20016	Ward 3	July 16, 2016
Emery Recreation Center	5801 Georgia Ave NW	20011	Ward 4	May14, 2016
Petworth Recreation Center	801 Taylor St NW	20017	Ward 4	July 16, 2016
Brentwood Recreation Center	2311 14th St NE	20018	Ward 5	May14, 2016
Turkey Thicket Recreation Center	1100 Michigan Ave NE	20017	Ward 5	July 16, 2016
Kennedy Recreation Center	1401 7th St NW	20001	Ward 6	May14, 2016
King Greenleaf Recreation Center	201 N St SW	20024	Ward 6	July 16, 2016
Deanwood Recreation Center	1350 49th St NE	20019	Ward 7	May14, 2016
Fort Davis Recreation Center	1400 41st. St SE	20020	Ward 7	July 16, 2016
Bald Eagle Recreation Center	100 Joliet St SW	20032	Ward 8	May14, 2016
Barry Farm Recreation Center	1230 Sumner Rd SE	20020	Ward 8	July 16, 2016