

Commonwealth of Virginia
Zika Virus Disease Task Force Update
February 1, 2017

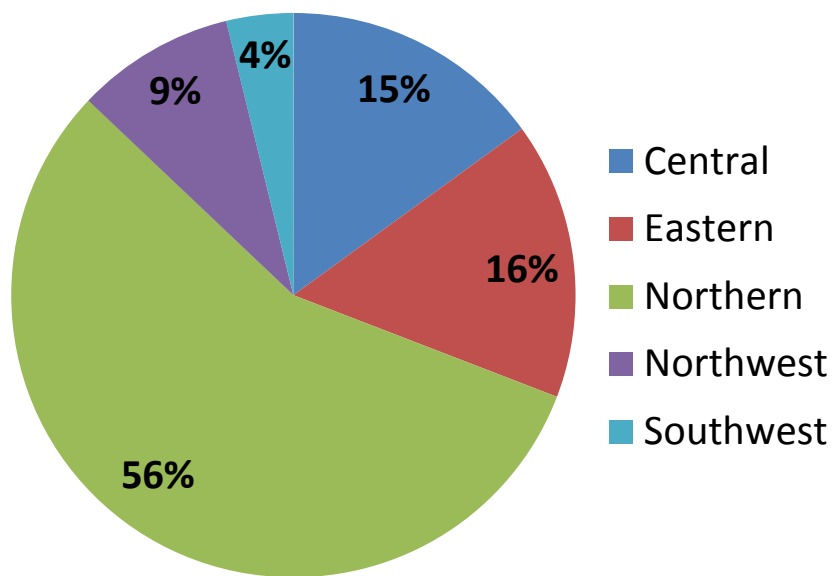


Testing Virginia Residents for Zika Virus

2,294

Virginia Residents being Tested for Zika Virus Infection between 1/29/2016 and 1/25/2017*

Virginia Residents being Tested by Region



Disease Case Status [†]	Num	%
Confirmed/Probable Case	113	5
Not a case	1,943	85
Test results pending	238	10

Sex and Pregnancy Status [§]	Num	%
Male	263	11
Female	2,031	89
Pregnant	1,782	88
Non-pregnant	249	12

* This excludes 125 (5%) Virginia residents who were approved for, but then declined testing

[†] Case status is based on [CSTE's revised interim case definitions](#)

[§] If pregnancy status was unknown, then pregnancy status was classified as non-pregnant.

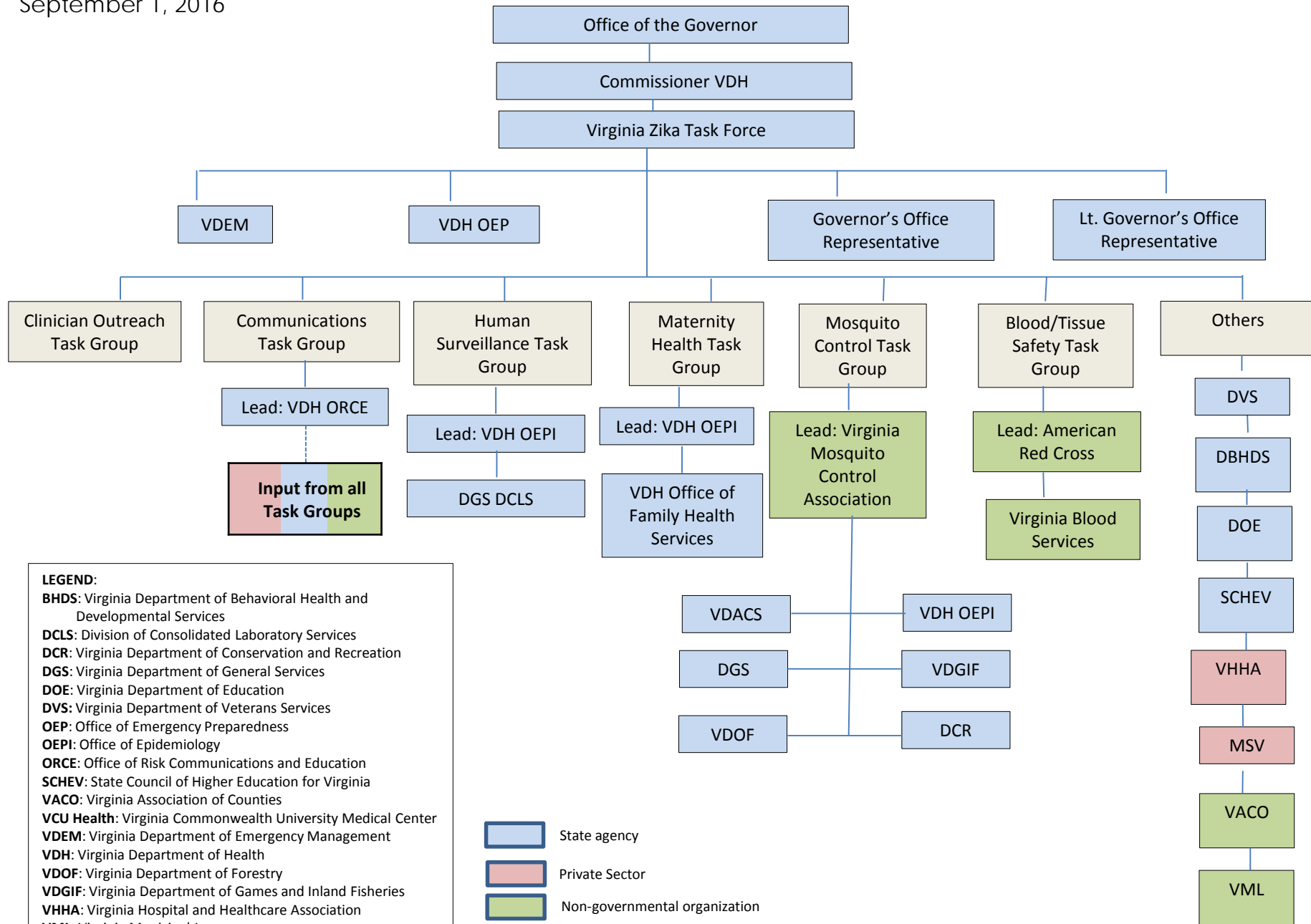
Mosquito Testing

Weekly Zika Virus Testing in Mosquitoes by Region^				
Updated: October 13, 2016				
County/City	Total Pools Tested	Total Mosquitoes Tested	Zika Positive Pools	Mosquito Species Tested
Accomack Co.	2	83	0	<i>Aedes albopictus</i>
Alexandria	212	6,435	0	<i>Aedes albopictus</i>
Chesapeake	98	3,675	0	<i>Aedes albopictus</i>
Chesterfield Co.	17	742	0	<i>Aedes albopictus</i>
Fairfax Co.	459	12,275	0	<i>Aedes albopictus</i>
Hampton	72	2,571	0	<i>Aedes albopictus</i>
Hanover Co.	2	58	0	<i>Aedes albopictus</i>
Henrico Co.	123	5,434	0	<i>Aedes albopictus</i>
Newport News	38	1,512	0	<i>Aedes albopictus</i>
Norfolk	109	4,418	0	<i>Aedes albopictus</i>
Northampton Co.	1	25	0	<i>Aedes albopictus</i>
Orange Co.	2	66	0	<i>Aedes albopictus</i>
Portsmouth	19	745	0	<i>Aedes albopictus</i>
Prince William Co.	201	8,130	0	<i>Aedes albopictus</i>
	2	68	0	<i>Culex salinarius</i>
Richmond City	29	1,223	0	<i>Aedes albopictus</i>
Suffolk	120	5,873	0	<i>Aedes albopictus</i>
Virginia Beach	109	3,620	0	<i>Aedes albopictus</i>
Winchester	1	28	0	<i>Aedes albopictus</i>
York Co.	29	892	0	<i>Aedes albopictus</i>
Total <i>Ae. albopictus</i> tested	1643	57,805	0	
Other Mosquito Species (<i>Cx. salinarius</i>*) Tested	2	68	0	

* Note: *Cx. salinarius* has never been associated with Zika virus transmission

^This data represents mosquito pool testing that is conducted by three different laboratories including Virginia's Division of Consolidated Laboratory Services (DCLS), the Fairfax County Health Department's Public Health Laboratory, and a laboratory at George Mason University. These tested mosquito pools were collected as part of mosquito surveillance efforts at sites throughout the state either by local mosquito control programs, or by the Virginia Department of Health mosquito surveillance personnel. These results do not represent statewide mosquito surveillance efforts, and are only representative of mosquito activity detected at the surveyed sites. The Division of Environmental Epidemiology (DEE) compiles data received from its partners

Virginia Zika Task Force
September 1, 2016



Task Force Members

- Deputy Chief of Staff, Office of the Governor
- Secretary of Veterans' and Military Affairs
- Department of Emergency Management
- Department of Health
- Department of Health Professions
- Department of Behavioral Health & Developmental Services
- Department of Agriculture and Consumer Services
- Department of Environmental Quality
- Department of Education / State Council of Higher Education for Virginia
- Department of General Services - Division of Consolidated Laboratory Services
- Department of Transportation
- Departments of Conservation and Recreation/Forestry/Game and Inland Fisheries
- Virginia Mosquito Control Association
- Virginia Hospital and Healthcare Association / 6 regional coalitions
- Medical Society of Virginia
- City, Town and County Governments
 - Virginia Municipal League
 - Virginia Association of Counties
- American Red Cross / Virginia Blood Services
- Others, situationally dependent, as required

Zika Task Force Initiatives

- Human surveillance & epidemiological investigations
- Amplified vector surveillance & control activities
- ArboNET reporting coordination
- Screening & monitoring of travelers or local transmission cases
- Clinician outreach enhancements
- Risk communications support
- Management of mosquito abatement districts
- Clinical lab specimen transport
- Laboratory testing, diagnostics, supplies, training
- Biosafety & security enhancements
- Coordination of partnerships with maternal/fetal & birth defects organizations

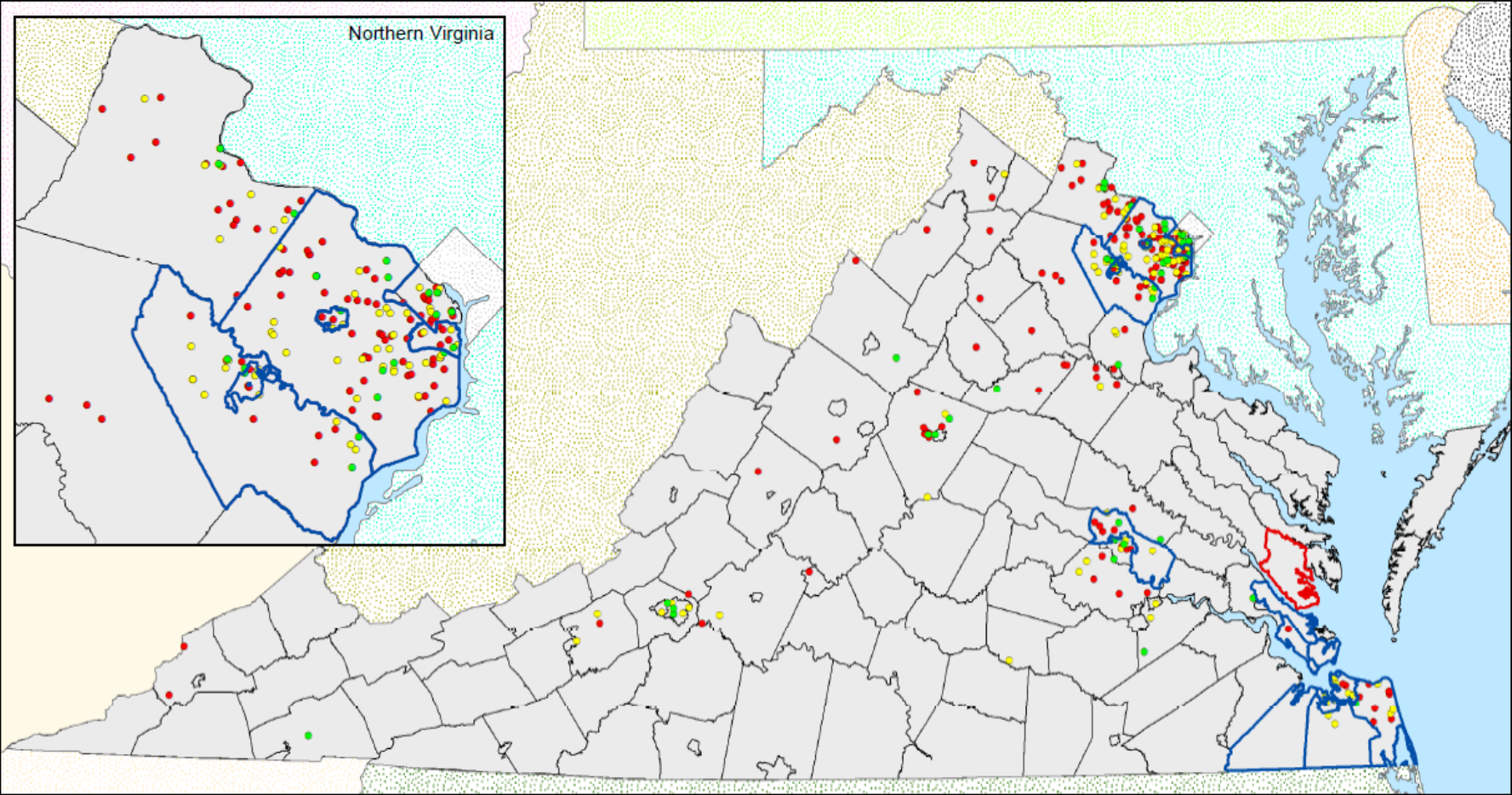
Task Force / Incident Management Team Activities

- Task Groups:
 - Maternal / Fetal Health
 - Vector Surveillance / Control
 - External Communications
 - Human Surveillance
 - Laboratory Diagnostics
 - Blood Supply Security
 - Clinician Outreach
- Ongoing Actions
 - Blood Supply: all collections must be tested
 - Draft Emergency Order: Access to property
 - State Funding Access / No additional federal funding announced to date.
 - State Plan Posted on VDH Zika page.
 - Three Zika Exercises conducted at the state and local levels
 - Situation Reports 2X month (on-hold until situation warrants)
 - State and local Playbooks developed citing immediate actions if local transmission is identified

Additional Progress

- Lab Capability / increased capacity at DCLS, Fairfax Health Department, George Mason University
 - DCLS supporting OH and WV
 - Weekly test result reporting
- Weekly reporting of human and mosquito surveillance
- Mosquito Control Contracting with private vendors
- MOU with VA. Tech for vector surveillance and resistance
- Distributed 10K Education Tool Kits (literature, repellent, condoms); prepared to distribute additional repellent to target groups.
- Monthly Meetings with State Zika task Force and Clinician Outreach Work Group
- Establishment / maintenance of State Pregnancy Registry
- Communications Progress: Airports, Locally Distributed Printed Materials, Social Media, VDH Zika Web Page / Dark Site, Radio, Bus Signage, Direct Mailing, etc.

Chikungunya, Dengue, and Zika Cases in Virginia




* 43 cases of Zika for 2015 and 2016 as of 7/19/16

All cases are Travel-Associated






- Blue outline: Mosquito Surveillance and Arboviral Testing
- Red outline: Mosquito Surveillance Only
- Green dot: Zika Cases 2015-2016
- Yellow dot: Chikungunya Cases 2013-2016
- Red dot: Dengue Cases 2006-2016

Virginia Jurisdictions with Mosquito Surveillance Capability, Medicaid Births by County and Weighted Population Density








 Mosquito Surveillance and Arboviral Testing

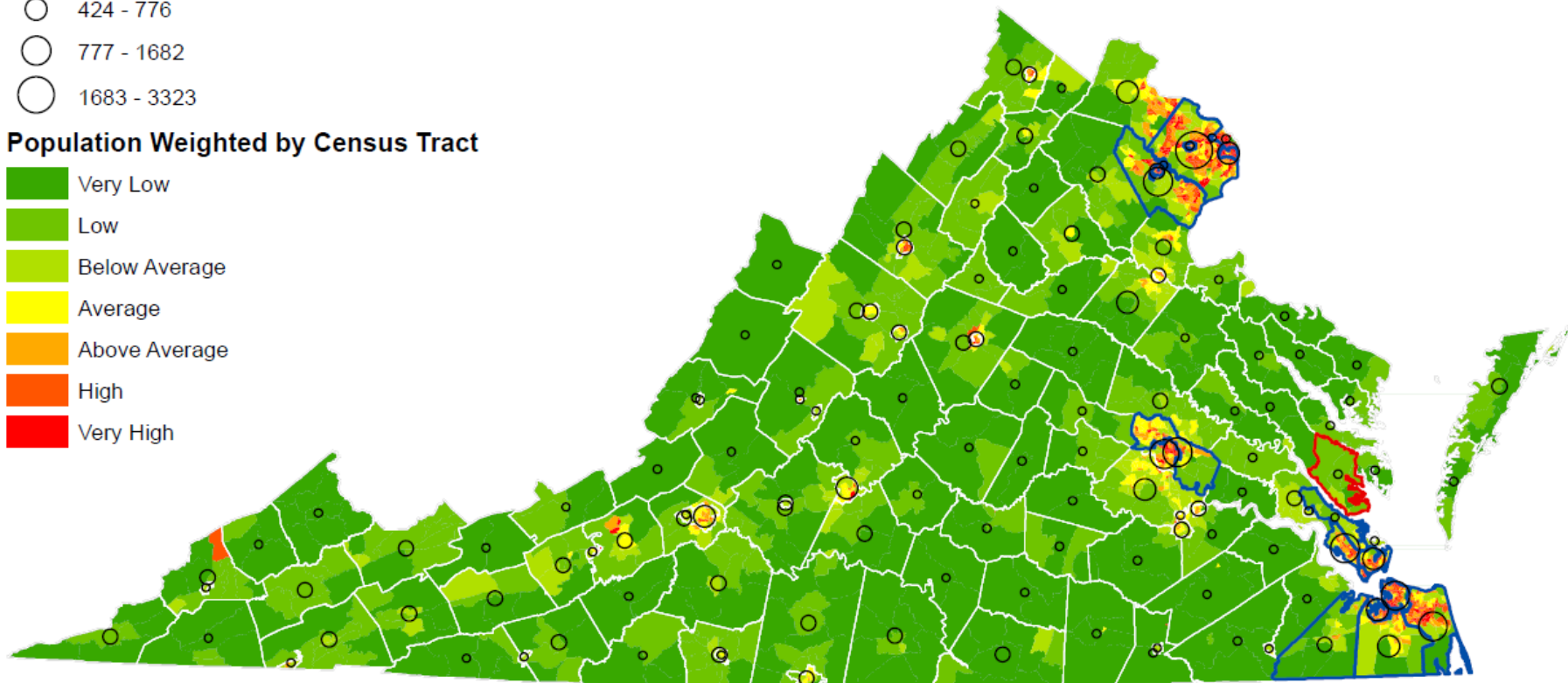
 Mosquito Surveillance Only

2014 Medicaid Births

-  5 - 137
-  138 - 423
-  424 - 776
-  777 - 1682
-  1683 - 3323

Population Weighted by Census Tract

-  Very Low
-  Low
-  Below Average
-  Average
-  Above Average
-  High
-  Very High



Mosquito Control/Surveillance In Virginia

Local Programs whose efforts are driven by mosquito surveillance and arboviral testing:

- Alexandria City (Environmental Health)
- Fairfax County (Environmental Health)
- Prince William County (Public Works)
- Henrico County (Public Works)
- Chesapeake
- Hampton (Public Works)
- Norfolk (Environmental Health)
- Suffolk (Public Works)
- Virginia Beach (Public Works)

Localities with some mosquito control actions/some mosquito surveillance but do NOT do arboviral testing:

- Gloucester County (Public Works)
- Portsmouth City (Public Works)
- Newport News (Public Works)
- Poquoson City (Public Works)
- York County (Public Works)

Military installations that have mosquito control capabilities and conduct some surveillance:

- Fort Belvoir (Fairfax Co.)
- Fort Myer (Arlington Co.)
- The Pentagon (Arlington Co.)
- Fort Eustis (Newport News)
- Langley Air Force Base (Hampton)

Planned actions for response to local mosquito-borne transmission

- Notify SHHR and Governor's Office
- Initiate public health actions:
 - Establish limits of affected area
 - Communicate the area of risk to the public (may include establishing a “travel guidance area” and/or testing and prevention recommendations)
 - Enhance human illness case surveillance
 - Intensify mosquito surveillance (and control if indicated by surveillance)
 - Notify vector control partners; initiate Vector control as indicated by mosquito data
 - Notify blood services partners to assure blood safety
 - Governors Press Briefing
 - Intensify public education/communications – focus to ensure pregnant women and health care providers caring for pregnant women are informed
- Coordinate CDC support
- Executive action



Zika Pregnancy Registry

Purpose of registry:

Monitor pregnancy and infant outcomes following Zika virus infection during pregnancy and inform clinical guidance and public health response

How it works:

Supplemental surveillance effort coordinated by CDC and dependent on voluntary collaboration of state, tribal, local, and territorial health departments

Who is included:


Pregnant women with lab evidence of Zika virus infection and exposed infants born to these women; infants with laboratory evidence of congenital Zika virus infection and their mothers


Zika Clinician Outreach Task Group Mission

The Zika Clinician Outreach Task Group will be composed of clinician specialists, including obstetrician/gynecologists, neurologists, pediatricians and infectious disease specialists who will collaborate with the Virginia Department of Health on the investigation and reporting of pregnant women and infants with laboratory evidence of Zika virus infection and work to assure regional capacity to diagnosis and manage adults, particularly pregnant women, and infants with Zika virus infection.


Virginia Jurisdictions with Mosquito Surveillance Capability and Medicaid Birth Rates per 1,000 Females Ages 15-45 Years


Legend


 Mosquito Surveillance and Arboviral Testing

 Mosquito Surveillance Only


2014 Medicaid Birth Rates

 00.00 - 10.00

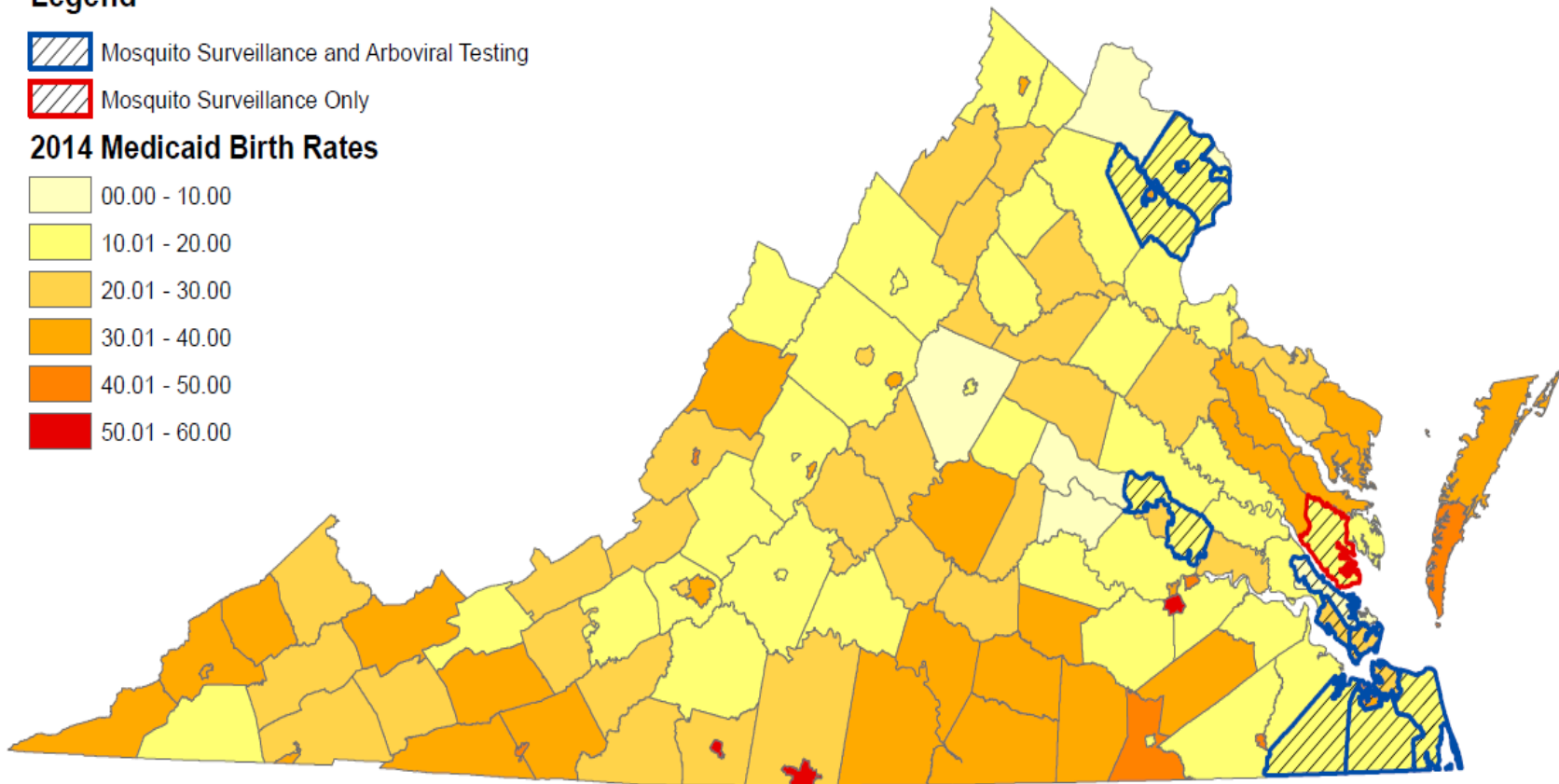
 10.01 - 20.00

 20.01 - 30.00

 30.01 - 40.00

 40.01 - 50.00

 50.01 - 60.00



Public Messaging/Communication



Worried about mosquitoes?
Then it's time to
Tip, Toss and Cover!

TIP AND TOSS

ONCE A WEEK...

TIP CONTAINERS—drain standing water from garbage cans, house gutters, downspout extenders, pool covers, coolers, toys, flower pots or any other containers where sprinklers or rainwater has collected.

TOSS—discard old tires, drums, bottles, cans, pots and pans, broken appliances and other items outside that aren't being used.

EMPTY AND SCRUB—birdbaths and pets' water bowls at least once or twice a week.

PROTECT—boats and vehicles from rain with tarps that don't accumulate water.

ONCE A MONTH...

MAINTAIN—apply a larvicide to standing water that cannot be emptied or drained. Larvicides can be found at garden centers and hardware stores.

COVER



COVER YOUR SKIN WITH:

CLOTHING—cover up when you're outside! Wear long, loose, and light-colored clothing, and shoes and socks.

REPELLENT—apply mosquito repellent to bare skin and clothing. Always use repellents according to the label. Use mosquito netting to protect children younger than 2 months.

Stop Asian tiger mosquitoes from living and multiplying around your home or business.

VDH VIRGINIA DEPARTMENT OF HEALTH
Promoting & Protecting the Health of All Virginians

For more information contact your local health department.
www.ZikaVA.org

VDH VIRGINIA DEPARTMENT OF HEALTH
To promote and protect the health of all Virginians

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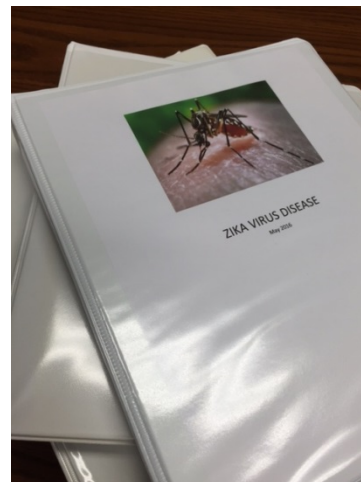
HOME ABOUT US HOW DO I HEALTH TOPICS A-Z LOCAL HEALTH DISTRICTS DATA NEWSROOM PLAN FOR WELL-BEING



ZIKA VIRUS

What You Need to Know

[LEARN MORE](#)



www.ZikaVA.org

Roanoke Airport



Traveling to an area with Zika?

Learn how to protect yourself from Zika.

Visit ZikaVA.org

Bon Voyage!

A graphic design for a Zika virus travel advisory. It features a teal background with a central globe, several mosquitoes, and a sun. The text reads: "Traveling to an area with Zika? Learn how to protect yourself from Zika. Visit ZikaVA.org Bon Voyage! VDH VIRGINIA DEPARTMENT OF HEALTH".

Zika Prevention Kits

