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# Zika Virus Disease: Virginia's Planning Activities

Senate Finance Committee

June 23, 2016

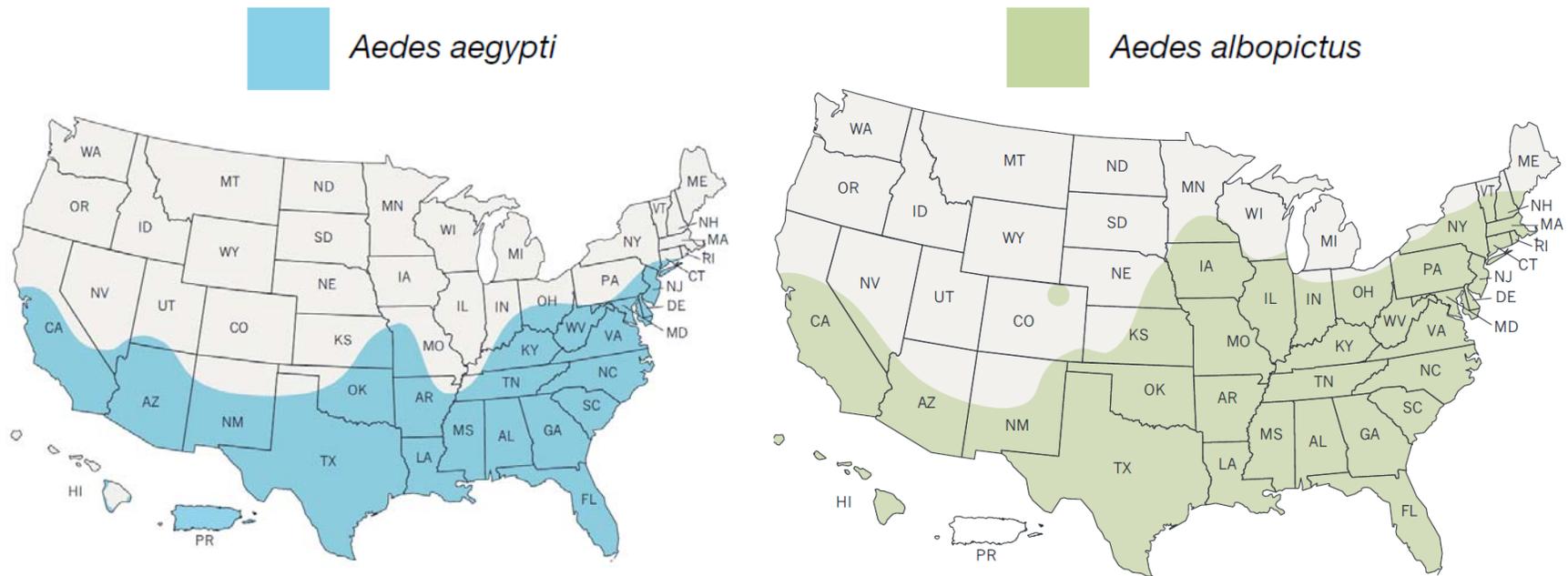
Marissa J. Levine MD MPH

State Health Commissioner

# Zika Virus Disease – Basics

- Spread to people primarily through bite of infected ***Aedes*** mosquitoes
- Other modes of transmission: sexual, maternal-fetal
- Common symptoms: Fever, rash, joint pain and conjunctivitis
- Usually a mild illness, lasting several days to 1 week
- Most infected persons do not get sick
- Infection during pregnancy can cause a serious birth defect called microcephaly, and other severe fetal brain defects which have life-long impact.

# Estimated range of *Aedes albopictus* and *Aedes aegypti* in the US, 2016



# Zika Virus in the US, 2015-2016

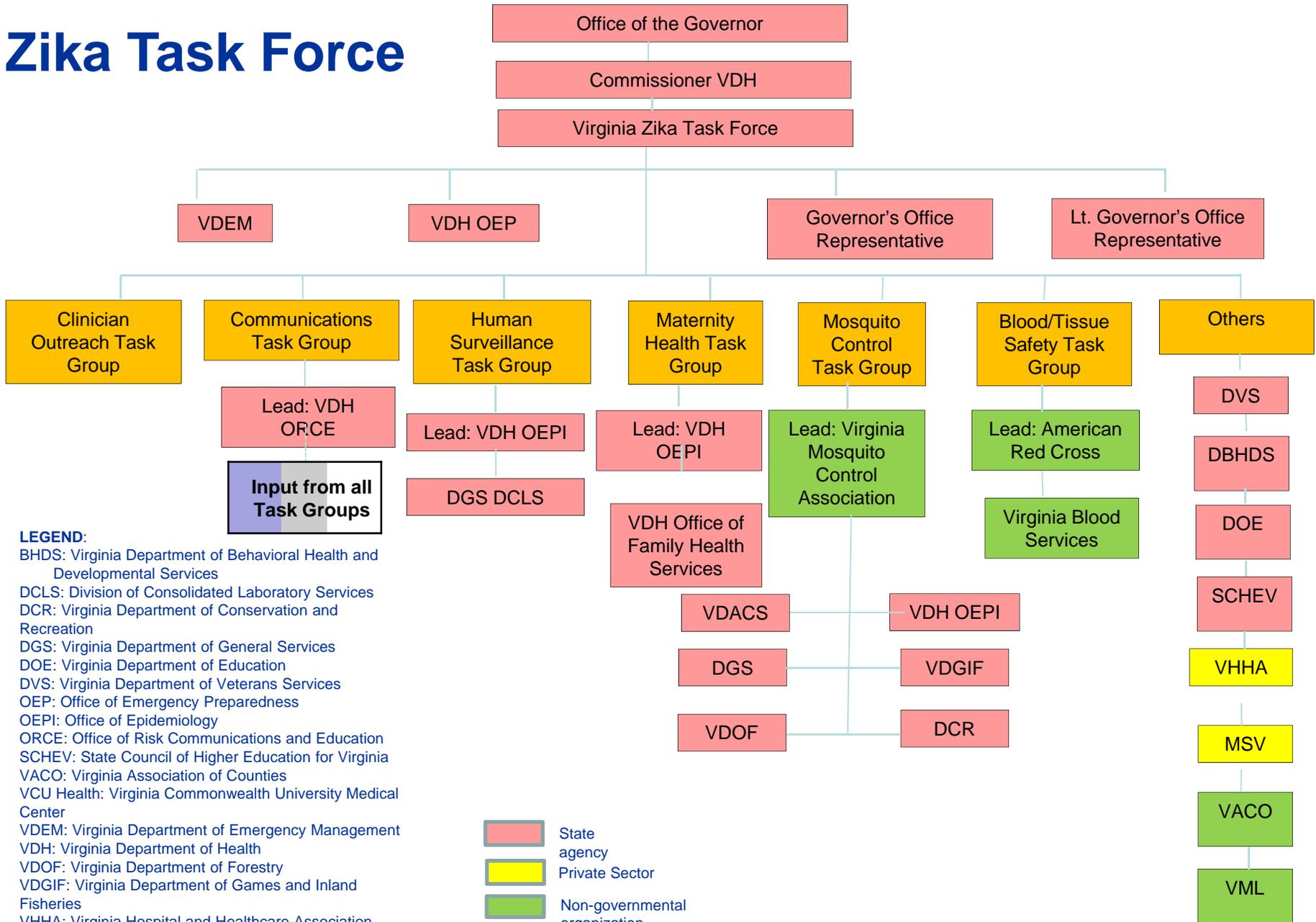
Source: Centers for Disease Control and Prevention



# Virginia's Preparedness Efforts

- Virginia Zika Task Force established
- Human disease surveillance initiated
- Laboratory testing available
- Mosquito surveillance initiated
- Ongoing education and guidance to Virginians
- Guidance to clinicians regularly updated

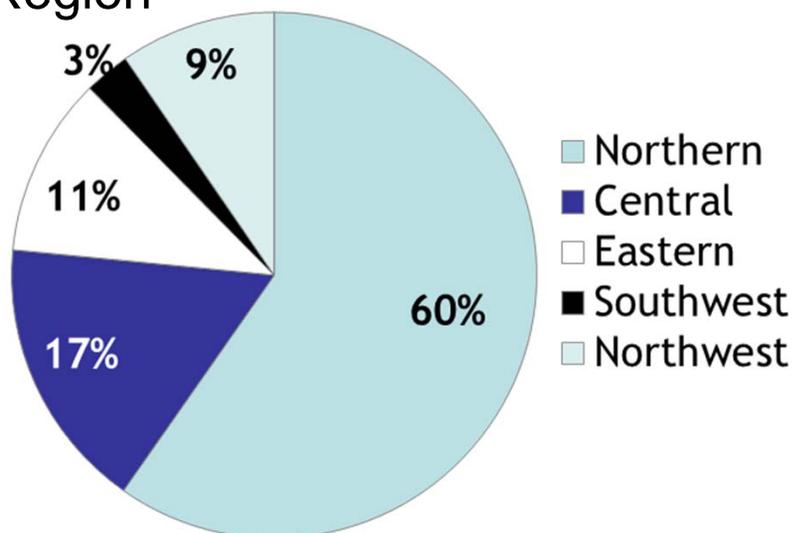
# Zika Task Force



# Testing Virginia Residents for Zika Virus

**750** Virginia Residents Approved for Zika Testing between 1/29/2016 and 6/15/2016\*

Virginia Residents Approved for Testing by Region



Case Status <sup>†</sup>	Num	%
Confirmed/Probable case	26	4
Not a case	609	81
Test results pending	115	15

Sex and Pregnancy Status <sup>§</sup>	Num	%
Male	71	9
Female	679	91
Pregnant	609	90
Non-pregnant	70	10

\* This excludes 20 (3%) Virginia residents who were approved for, but then declined testing

<sup>†</sup> [CSTE Interim Case Definitions: Zika Virus Disease and Zika Virus Congenital Infection](#)

<sup>§</sup> If pregnancy status was unknown, then pregnancy status was classified as non-pregnant.

# US CDC Zika Pregnancy Registry

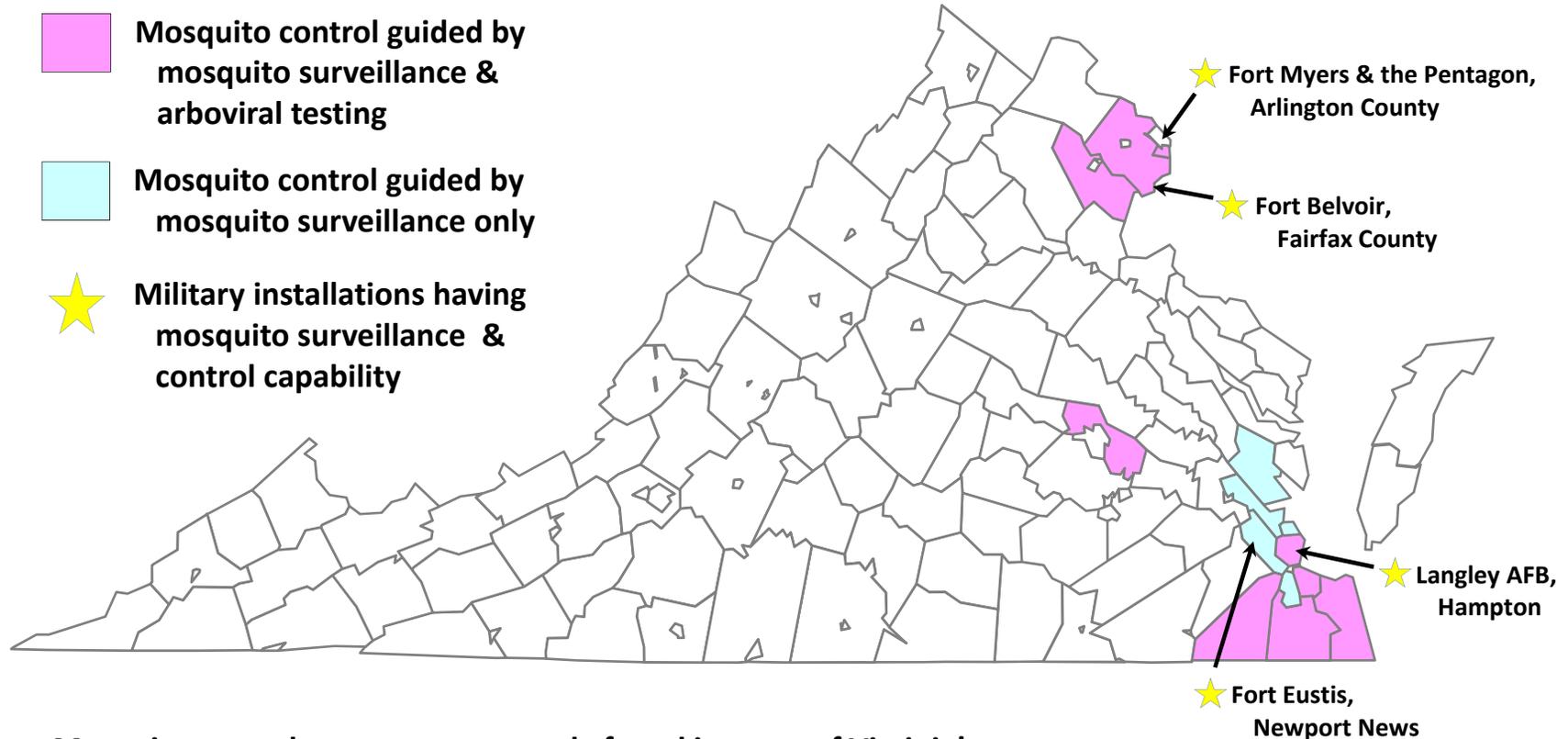
To improve understanding of Zika in:

- Pregnancy outcomes
- Congenital infections

Data collected voluntarily through the registry will be used to update recommendations for:

- Clinical care
- Planning for Services for pregnant women/families
- Prevention

# Virginia Jurisdictions and Military Installations having Mosquito Control Capabilities



Mosquito control programs are mostly found in some of Virginia's most heavily populated jurisdictions.

# Public Messaging/Communication



<http://www.vdh.virginia.gov/>

# Zika Messaging Multimedia Approach

- Leave-Behind Printed Material
- Clinician Outreach
- 3 Animated Videos
- (English & Spanish)
- TV, Radio and Movie Theaters
- Airport Signage
- Social Media Campaign
- Zika Prevention Kits



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 rain water 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 mosquitoes from living and multiplying around your home or business.**

**VDH** VIRGINIA DEPARTMENT OF HEALTH  
Promoting & Protecting the Health of All Virginians  
[www.vdh.virginia.gov](http://www.vdh.virginia.gov)

**For more information contact your local health department.**

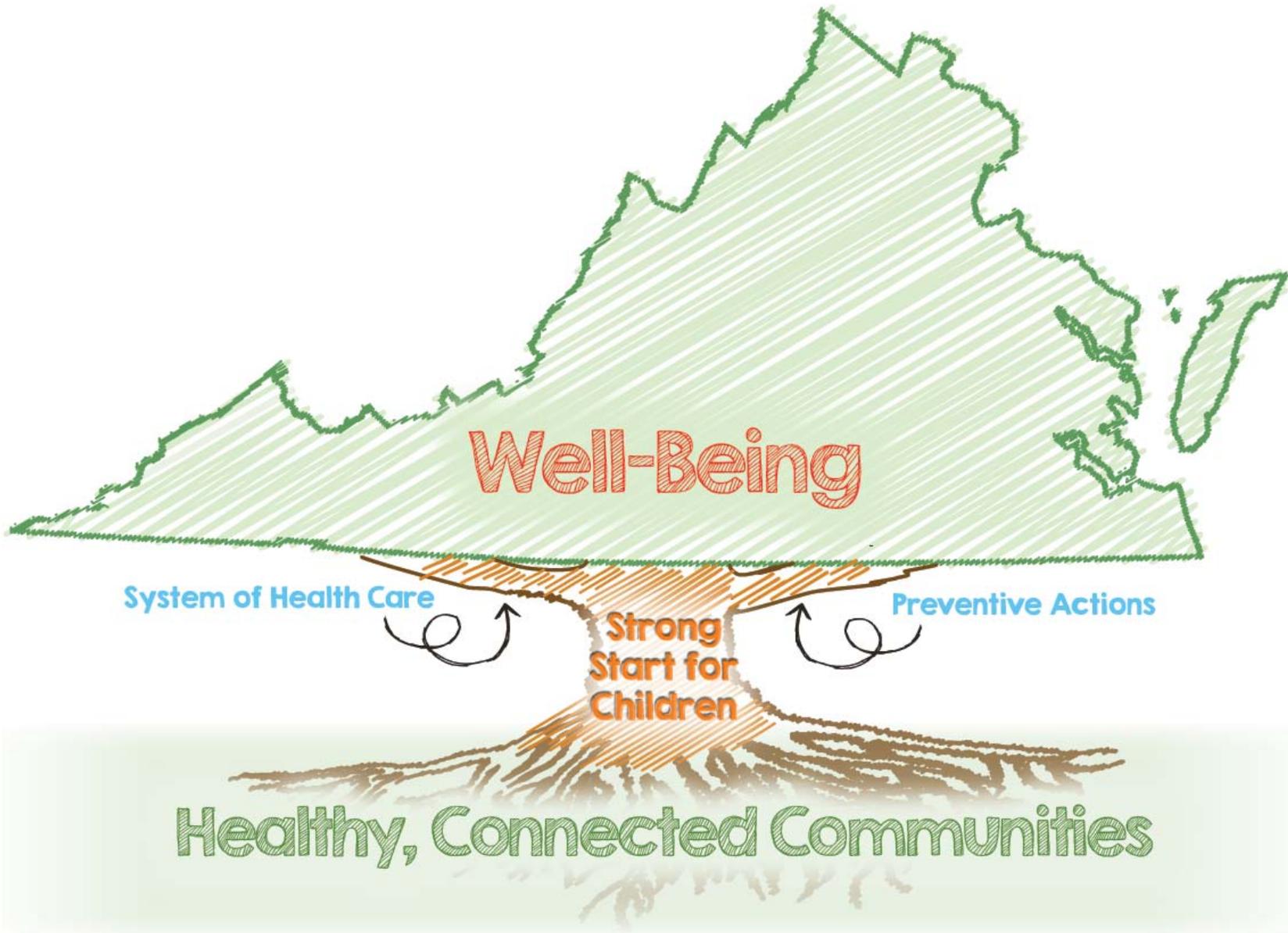
Funding for this brochure was made possible (in part) by funding from the CDC. The views expressed herein do not necessarily reflect the official policies of the U.S. DHHS, nor does the mention of trade names, commercial practices, or organizations imply endorsement by the U.S. Government. Credit: Florida Department of Health

# Zika Prevention Kits

- 10,000 kits to build awareness
- Distribution through local health departments
  - Information and disease prevention materials

# Zika Table top Exercise

- June 17, 2016: Mosquito (Vector) Control
  - Zika task force
  - VDH Leadership Team
  - 5 local health districts
- Tabletop Exercise Template
  - Available for other jurisdictions to use
  - <http://www.vdh.virginia.gov/emergency-preparedness/training-education/>



Data Source: Virginia Department of Health Plan for Wellbeing, January 2016

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**Thank you!**  
**Summary/Questions?**