

# Zika Virus and VDH: Resources for Coordinated Care

May 24, 2017

# Learning Objectives

- Utilize resources available through VDH and partners to care for those affected by Zika virus
- Communicate clearly between specialties to ensure testing and follow-up care is uncompromised between mother and infants.
- Know where to find key Zika virus prevention and education resources on the VDH website

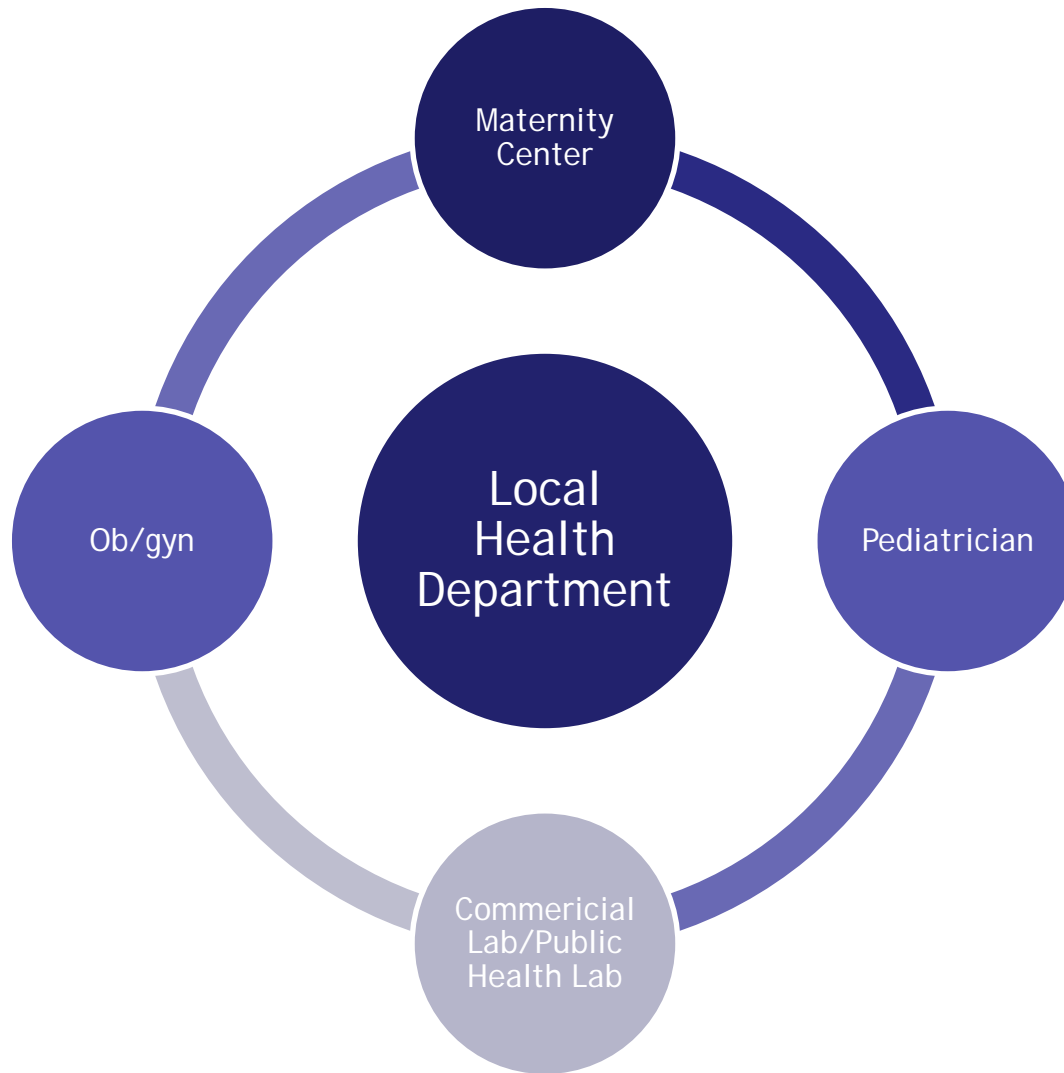
# Outline

- Surveillance and Screening
  - US Zika Pregnancy Registry
  - Newborn Screening
- Care Coordination Resources
  - Children and Youth with Special Health Care Needs
  - Home Visiting
  - Zika Care Connect
- [www.vdh.virginia.gov/zika](http://www.vdh.virginia.gov/zika)

# US Zika Pregnancy Registry

- Eligibility for USZPR follows CDC guidelines
  - Pregnant women in the United States with laboratory evidence of Zika virus infection and periconceptionally, prenatally, or perinatally exposed infants born to these women
- Infants with laboratory evidence of congenital Zika virus infection and their mothers

# US Zika Pregnancy Registry



# US Zika Pregnancy Registry

## Monitoring You and Your Baby's Health

Zika Pregnancy Registry checklist for

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(last name, first name)

To continue participation in the Zika pregnancy registry, please remind your health care provider to follow up your local Health Department at these checkpoints:

### For you, as the mother:

- ☐ 24 weeks of pregnancy
- ☐ 35 weeks of pregnancy

### For your infant:

- ☐ Upon delivery
- ☐ 2 months of age
- ☐ 6 months of age
- ☐ 12 months of age

### What do I do with this card?

Currently, you are enrolled in the Zika Pregnancy Registry. Please bring this card with you to your OB/GYN and pediatrician appointments.

Talk with your provider about the Zika tests that should be done for your baby at birth.

**What is the Zika Pregnancy Registry?**  
CDC developed the U.S. Zika Pregnancy Registry to:

- Learn more about the effects of Zika virus infection (Zika) during pregnancy.
- Learn more about the growth and development of babies whose mothers had Zika while pregnant.

The knowledge gained from this registry will help doctors and other healthcare providers care for pregnant women and their babies.

### For more information:

[www.ZikaVA.org](http://www.ZikaVA.org)

CDC's U.S. Zika Pregnancy Registry website  
[cdc.gov/zika/hc-providers/registry.html](http://cdc.gov/zika/hc-providers/registry.html)

Your local health department:

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- Dried Blood Spot
  - 31 disorders
- Critical congenital heart disease
- *Early hearing detection and intervention*





## Early Hearing Detection and Intervention Program



All newborns will have a hearing screening before discharge and complete the screening process no later than **1 month of age**.



All infants who fail their hearing screening will have a hearing evaluation and diagnosis before **3 months of age**.



All infants identified with permanent hearing loss will begin early intervention services before **6 months of age**.







# EHDI Services and Assistance

## Providing Education

- Families
- Audiologists
- Primary Care Physicians
- Hospitals
- Early Interventionist
- General Public
- Prenatal Mothers
- Home Visitors
- Birth Centers

## Providing Assistance

- Hospitals
- Audiologists
- Families
- Primary Care Physicians
- Early Intervention

# EHDI Care Coordination Services

Referrals are made for:

- Early Intervention
- CFI- Family to Family Parent support
- Virginia Hearing Aid Loan Bank
- ENT
- Ophthalmology
- Genetics

# Care Coordination Resources



US Zika  
Pregnancy  
Registry

VaCARES  
(Virginia Birth  
Defects  
Registry)

Children and  
Youth with  
Special Health  
Care Needs

# Children and Youth with Special Health Care Needs

- Care Connection for Children
  - 6 regional centers
    - Southwest Virginia, Roanoke, Blue Ridge, Northern Virginia, Central Virginia, Hampton Roads
  - Care coordination, medical insurance evaluation, family-to-family support and related services



# Children and Youth with Special Health Care Needs

- Child Development Centers
  - 5 regional centers
    - Gate City, Harrisonburg, Norfolk, Richmond, Roanoke
  - Diagnostic assessment, care planning, follow-up care coordination and referral to children and youth with developmental or social/emotional disorders



# VDH Family Home Visiting

- Evidence based, evidence informed programs to enhance parenting, promote growth and development of children beginning in pregnancy
- Nurses, CHWs
- Resource Mothers
- Healthy Start/Loving Steps
- Nurse Family Partnership,
- Parents as Teachers
- Healthy Families America



# Zika Care Connect, [www.zikacareconnect.org](http://www.zikacareconnect.org)

HelpLine 1-844-677-0447 (toll-free) or email: [helpline@zikacareconnect.org](mailto:helpline@zikacareconnect.org)

**ZIKAcareconnect**  
in collaboration with the March of Dimes

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## CLINICAL MANAGEMENT OF ZIKA IN WOMEN AND BABIES AFFECTED BY ZIKA



Are you a healthcare professional treating women or babies affected by Zika? Please consider enrolling in the healthcare professional network if you are licensed and can offer the clinical services recommended in the CDC Clinical Guidance for Evaluation and Management of Pregnant Women or Infants with Possible Zika Virus Infection.

You can also use ZCC as a resource to help coordinate care for families affected by Zika virus. Use the Healthcare Professional Search Tool to identify a specialist for your patient.

### Materials and Resources

Below is additional information.

Interested in knowing when new information is added or updated? Look for the RSS feed icon and sign up for the RSS feed that may be available for that document.

#### Materials:

- Clinical Care flowchart – a pediatric evaluation follow-up tool

#### Resources:

For healthcare providers looking for additional information about Zika, please see this list of resources. These will be updated as new information becomes available.



# Zika Care Connect, [www.zikacareconnect.org](http://www.zikacareconnect.org)

HelpLine 1-844-677-0447 (toll-free) or email: [helpline@zikacareconnect.org](mailto:helpline@zikacareconnect.org)



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## HEALTHCARE PROFESSIONAL RESOURCES



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Below are publications and resources for healthcare professionals caring for patients with Zika.

### Materials:

- [Clinical Care flowchart](#) – a pediatric evaluation follow-up tool

### Resources:

For those who want to learn more about Zika, check out this list of resources.

- [American Academy of Pediatrics Zika Virus](#)
- [American Congress of Obstetricians and Gynecologists ACOG Zika virus resource summary for Ob-Gyns and health care providers](#)
- [Centers for Disease Control and Prevention Zika Virus For Healthcare Providers](#)
- [March of Dimes Congenital Zika syndrome](#)
- [Information for healthcare professionals about clinical management and follow-up care of babies Recommended evaluation and long-term follow up for infants with possible congenital Zika virus infection Initial evaluation and outpatient management during the first 12 months of life for infants with possible congenital Zika virus infection](#)

### CDC Zika Pregnancy Hotline

CDC's Zika Pregnancy Hotline (770-488-7100) is available 24/7 to healthcare providers and health departments for consultation regarding management of pregnant women and infants with possible Zika virus. This hotline can also assist with questions regarding specimen submission. Healthcare providers and state and local health officials can call our CDC Watch desk at 770-488-7100 (ask for CDC Zika Pregnancy Hotline) or email [zikapregnancy@cdc.gov](mailto:zikapregnancy@cdc.gov).

### Original Research



## YOUR PREGNANCY AND ZIKA



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If you have a positive Zika test result during pregnancy, it lets your doctor know to watch your pregnancy more carefully. Your doctor might want to do more ultrasounds or other tests to check the growth and development of your baby. Your doctor may perform these tests or your doctor may refer you to a maternal fetal medicine specialist who is an expert in high-risk pregnancies. A positive test result for Zika does not mean that your baby will have birth defects. However, Zika virus infection during pregnancy can cause microcephaly and other severe brain defects in some babies, so it is important to receive the appropriate care.

Once your baby is born, it's very important that you tell your baby's doctor and other healthcare professionals about your diagnosis. Before you leave the hospital, your baby should be tested for Zika virus and receive additional tests, such as a head ultrasound and a hearing screen. Testing and screening your baby as soon as possible will help to identify problems that can cause developmental delays in infants and children earlier, potentially reduce the long-term effect of Zika on children and families, and give children the best chance to reach their full potential.

Also, not all Zika-related birth defects are noticeable at birth so your baby should be monitored closely after birth by his/her doctor. This may mean additional visits with doctors who are trained in looking for possible problems in development. You may also want to contact your [state/territorial health department](#) to learn about resources and information specific to your area.





## CARING FOR YOUR BABY WITH CONGENITAL ZIKA SYNDROME



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Families of babies affected by Zika virus (Zika) may be overwhelmed, worried, and unsure of next steps in caring for their baby. You may not know what services your child needs or where to find the right medical care. You may have also heard unfamiliar terms used in the news, from friends, or on social media. You'll need to work with your baby's doctors and healthcare providers to find the right care for your baby.

Babies born with Zika may need frequent visits to many different healthcare providers. You may find it helpful for your baby to have a medical home. Your baby's pediatrician or other primary care provider will coordinate all the medical care your baby needs and keep track of all the medical records. Having one doctor or healthcare provider in charge of your baby's care helps make sure your child gets the tests and procedures that are needed, and helps make sure that care is coordinated.

### A medical home for your child

A medical home is not an actual building. It is a way that you, your baby's doctors and other healthcare providers all work together in a partnership. The medical home provides family-centered, coordinated care by communicating with you and all your baby's healthcare providers.

### Coordinated care

Coordinated care is the process of ensuring all the different healthcare providers and healthcare facilities communicate about medical care. Each healthcare provider that you see may specialize in a different kind of care. It's important that these specialists communicate with each other and work together to provide the best care for you, your baby and your family.

### The coordinated care center



[www.vdh.virginia.gov/zika](http://www.vdh.virginia.gov/zika)

- Zika Virus Resources
  - Epidemiology update
  - Info for
    - Expectant Mothers
    - Travelers
    - Clinicians



[www.vdh.virginia.gov/zika](http://www.vdh.virginia.gov/zika)

- VDH Clinician Letters
- Up to date Zika testing algorithms
  - Test interpretation guidance
- Zika FAQs
- Zika Lit Review
- List of Private Labs conducting Zika testing
- Videos, slide sets
- Practice guidelines and MMWRs



## ZIKA UPDATE #7

April 26, 2017

Dear Colleague:

Thank you for your continued efforts to educate your patients about Zika and provide testing and care. This letter includes several key Zika updates in preparation for mosquito season, which starts on May 1.

- [Travel Guidance and Testing Recommendations for Pregnant Women](#)
- [Zika Pregnancy Registry](#)
- [Public Health Testing in Virginia for Zika Virus Infection](#)
- [Preventing local mosquito-borne transmission](#)
- [Zika Clinician Forum](#)

**Updated CDC Travel Guidance and Testing Recommendations for Pregnant Women:** CDC recommends that pregnant women not travel to any area where there is a risk of Zika virus infection. To help pregnant women and others identify areas of Zika risk, please refer to the CDC interactive [World Map of Areas with Zika Risk](#) that allows people to search for location-specific Zika information and travel recommendations and the CDC “[Know Your Zika Risk](#)” tool that offers tailored risk and prevention messages based on information provided by travelers.

CDC updated the Zika virus testing recommendations for pregnant women. Pregnant women exposed to [an area with Zika risk and a CDC Zika travel notice](#) should be tested for Zika, regardless of symptoms. Pregnant women exposed to [an area with Zika risk but no CDC Zika travel notice](#) should be tested for Zika 1) if they have symptoms or 2) if their fetus has abnormalities on ultrasound that may be related to Zika. A [new map](#) outlines the CDC testing recommendations by areas of risk and may be a useful resource to consult for evaluating and caring for pregnant women possibly exposed to an area with Zika risk.

**New Report from the US Zika Pregnancy Registry on Zika infection in pregnant women and babies and the importance of prevention and early care:** In a recent [report](#), CDC described the nearly 1,300 pregnant women with evidence of possible Zika infection enrolled in the US Zika Pregnancy Registry. Approximately one in 10 pregnancies with laboratory-confirmed Zika virus infection resulted in a fetus or infant with Zika virus-associated

## CDC's Response to **Zika**

### **WHAT TO KNOW** IF YOUR BABY MAY HAVE BEEN AFFECTED BY ZIKA BUT HAS NO RELATED HEALTH CONDITIONS AT BIRTH



As a parent of a new baby who may have been affected by Zika virus during pregnancy, you and your family may be worried and unsure of next steps in caring for your baby. Read on to learn more about the importance of tracking your baby's development and learn where you can go for help.

#### **How Will Zika Virus Affect My Baby?**

- Zika virus infection during pregnancy can cause microcephaly and other severe brain defects in babies, but not every pregnant woman infected with Zika will have a baby with a related health condition at birth.
- While we've learned a lot about Zika in a short time, many questions remain.
- We don't yet know all of the ways Zika virus infection during pregnancy might affect a baby, including problems that may not be obvious when a baby is born.
- We also don't know how often a baby will have problems linked to Zika if a woman is infected during pregnancy.
- Children affected by Zika may have lasting special needs. Acting early to get services could make a difference.

#### **What Should I Do After My Baby is Born?**

- Work with your baby's doctor.
- Track your baby's development.

# Zika Clinician Workgroup

- Meets regularly during mosquito season
- Members
  - AAP, ACOG, MSV
  - VCU, UVA, Inova
- Updates on Zika in Virginia
- Updates on Zika Pregnancy Registry
- Discussion of facilitators/barriers to testing and resource referrals



# VDH and Zika: Resources



Data and  
Surveillance:

US Zika  
Pregnancy  
Registry  
VA Birth  
Defects  
Registry



Care  
Coordination:

Care  
Connection  
Centers  
Child  
Development  
Centers



Home  
Visiting  
Zika Care  
Connect

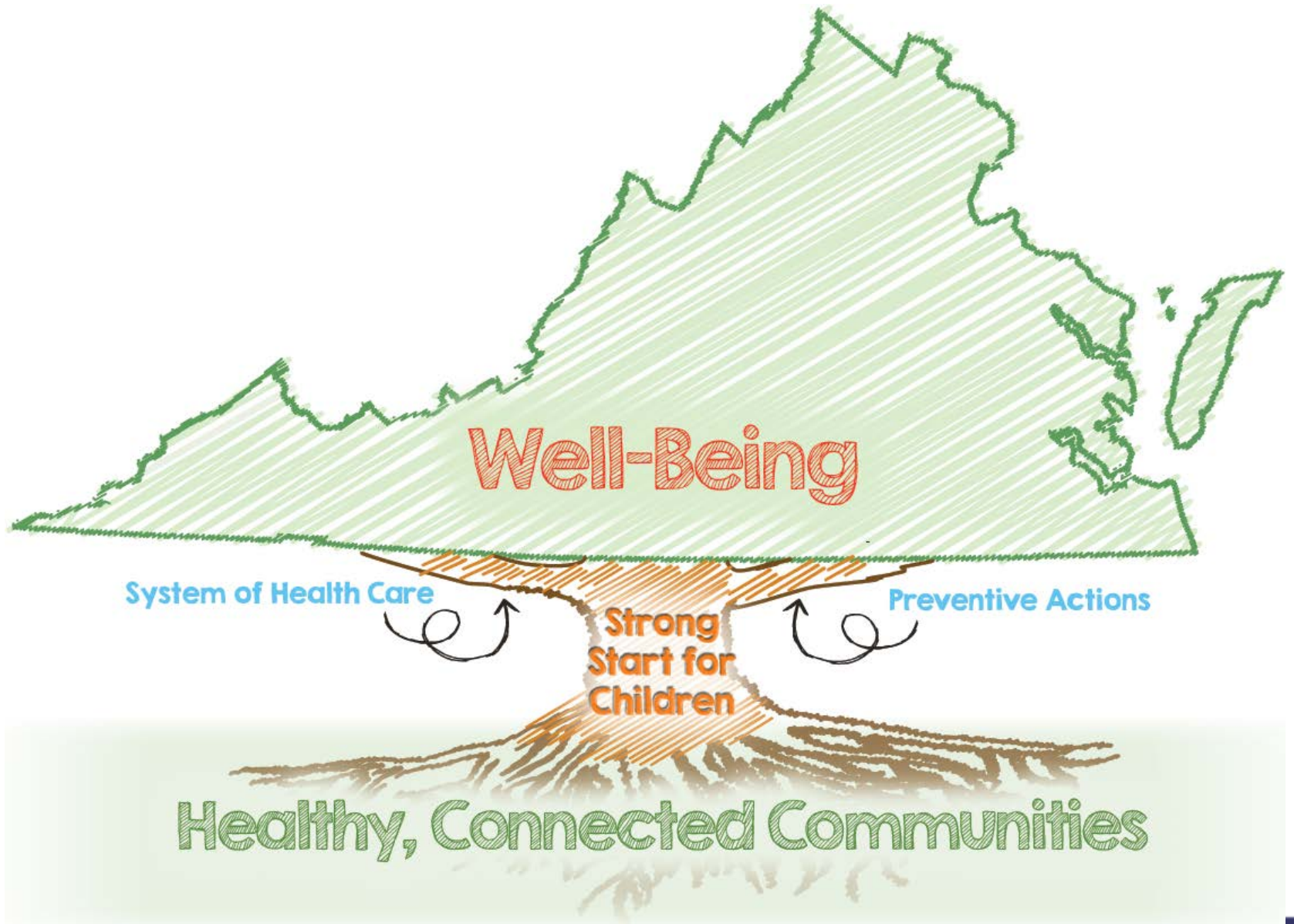


VDH Zika  
Website



Women, infants,  
Families tested and  
in care





# Thank you! Questions?

