

## Screening Tool for Possible Zika Virus Exposure during Pregnancy Pediatric Healthcare Providers



This tool can help outpatient pediatric healthcare providers to determine if an exposure to Zika virus occurred during pregnancy and if the infant is at risk for congenital Zika syndrome, which might require additional screening or monitoring as recommended by CDC guidelines. These questions are intended to be directed to the mother and could be asked during an initial evaluation.

### Possible maternal Zika virus exposure and symptoms during pregnancy

#### During your most recent pregnancy:

- Did you **travel** to any area where the spread of Zika was a concern?<sup>1</sup>
- Did you **live** in any area where spread of Zika was a concern?<sup>1</sup>
- Did you have sex without a condom with someone who **lives** in or **traveled** to an area where the spread of Zika was a concern?<sup>1</sup>
- [If **Yes** to any of the questions above] Did you have any symptoms of Zika (e.g., rash, fever, joint or muscle pain, headache, red eyes)?

Determine if the mother had possible Zika virus exposure<sup>2</sup> and symptoms<sup>3</sup> during pregnancy.

- If the mother answers “**Yes**” or “**Unsure**” to any of these questions, ask for additional details (e.g., travel dates and locations, dates and location of residence, symptoms) to determine if the patient traveled to an area with risk of Zika.<sup>1</sup>
- If the mother traveled to an area with risk of Zika<sup>1</sup>, then she had possible Zika exposure<sup>3</sup> during pregnancy and might have received Zika-related lab testing. Proceed to the next question regarding prenatal Zika-related lab testing.
- If the mother answers “**No**” to all of the questions, no further screening is necessary.

### Prenatal Zika-related lab testing

#### Were you tested for Zika while you were pregnant with this baby?

Determine if the mother had prenatal Zika-related lab testing during pregnancy.

- If the mother answers “**Yes**” or “**Unsure**,” ask for additional details to facilitate obtaining records or confirmation of results (i.e., when and where testing was performed, the type of test, and the results).
- Proceed to the next question regarding other prenatal Zika-related evaluations.

### Other prenatal Zika-related evaluations

#### Did you have any special/extra tests during pregnancy such as extra ultrasounds, or amniocentesis to look for issues related to Zika virus infection in your baby?

Determine if the mother had prenatal Zika-related evaluations during pregnancy.

- If the mother answers “**Yes**” or “**Unsure**,” ask for additional details to facilitate obtaining records or confirmation of results (i.e., when and where testing was performed, the type of test, and the results).
- Proceed to the next question regarding infant Zika-related lab testing after birth.

### Infant Zika-related lab testing

#### Was your baby tested for Zika after birth?

Determine if the infant received Zika-related lab testing after birth.

- If the mother answers “**Yes**” or “**Unsure**,” ask for additional details to facilitate obtaining records or confirmation of results (i.e., when and where testing was performed, the type of test, and the results).
- Proceed to the next question regarding other infant Zika-related testing and evaluation after birth.

### Other infant Zika-related testing and evaluation

#### Did your baby have any of the following tests performed after birth because of concerns related to Zika?

- Ultrasound or other radiology test (i.e., CT or MRI scan) of his or her head?
- Hearing tests in addition to newborn hearing screening?
- Exam by an eye doctor or eye specialist to look at the back of your baby’s eye?

Determine if the infant received other Zika-related testing and evaluation after birth.

- If the mother answers “**Yes**” or “**Unsure**,” ask for additional details to facilitate obtaining records or confirmation of results (i.e., when and where testing was performed, the type of test, and the results).
- Please evaluate the infant in accordance with CDC recommendations<sup>4</sup>. [https://www.cdc.gov/mmwr/volumes/66/wr/mm6641a1.htm?s\\_cid=mm6641a1\\_w](https://www.cdc.gov/mmwr/volumes/66/wr/mm6641a1.htm?s_cid=mm6641a1_w)

<sup>1</sup> **Areas with risk of Zika** can be found at the following website: <https://wwwnc.cdc.gov/travel/page/zika-information>. Please note that there is information for both US and international locations.

<sup>2</sup> **Possible Zika virus exposure** includes travel to, or residence in, an area with mosquito-borne Zika virus transmission or sex without the use of condoms with a partner who has traveled to or resides in an area with mosquito-borne Zika virus transmission.

<sup>3</sup> **Symptoms of Zika virus disease** include acute onset of fever, maculopapular rash, arthralgia, or conjunctivitis, myalgia, and headache.

<sup>4</sup> All infants born to mothers with possible Zika virus exposure<sup>1</sup> during pregnancy should receive a standard evaluation at birth and at each subsequent well-child visit including a comprehensive physical examination, age-appropriate vision screening and developmental monitoring and screening using validated tools, and newborn hearing screen at birth, preferably using auditory brainstem response (ABR) methodology; Infants with clinical findings consistent with congenital Zika syndrome regardless of maternal testing results should receive further testing and evaluation for Zika virus. Infants **without** clinical findings consistent **with** congenital Zika syndrome who were born to mothers with laboratory evidence of possible Zika virus infection should receive further testing and evaluation for Zika virus. For infants **without** clinical findings consistent with congenital Zika syndrome who were born to mothers without laboratory evidence of possible Zika virus infection, further testing and clinical evaluation for Zika virus are not recommended. Healthcare providers should remain alert for abnormal findings (e.g., postnatal-onset microcephaly and eye abnormalities without microcephaly) in infants with possible congenital Zika virus exposure without apparent abnormalities at birth. Additional guidance can be found at the following website: <https://www.cdc.gov/pregnancy/zika/testing-follow-up/documents/pediatric-evaluation-follow-up-tool.pdf>