



U.S. Zika Pregnancy Registry and Birth Defects Surveillance — Integrated Neonate Assessment Form

These data are considered confidential and will be stored in a secure database at the Centers for Disease Control and Prevention

Please return completed form via secure fax (410-225-7615) or encrypted email (dnhmh.zikapregnancy@maryland.gov).

Please direct questions to the email listed above or call 410-767-6700 and ask to speak to the ZPR Coordinator

NAD.1. Infant's State/Territory ID _____	NAD.2. Mother's State/Territory ID _____	NAD.3. DOB: _____ <input type="checkbox"/> Live birth <input type="checkbox"/> Stillbirth ≥20 weeks	NAD.4. Sex: <input type="checkbox"/> Male <input type="checkbox"/> Female <input type="checkbox"/> Ambiguous/undetermined
NAD.5. Gestational age at delivery: _____ weeks _____ days	NAD.6. Based on: (check all that apply) <input type="checkbox"/> LMP Date: _____ <input type="checkbox"/> 1 st trimester ultrasound <input type="checkbox"/> 2 nd trimester ultrasound <input type="checkbox"/> 3 rd trimester ultrasound <input type="checkbox"/> Other _____		NAD.7. Maternal age at delivery ____ years
NAD.8. State/Territory reporting: _____		NAD.9. County reporting: _____	
NAD.10. Delivery type: <input type="checkbox"/> Vaginal <input type="checkbox"/> Caesarean section NAD.11. Delivery complication: <input type="checkbox"/> No <input type="checkbox"/> Yes NAD.12. If yes, please describe: _____		NAD.13. Arterial cord blood pH (if performed): _____ NAD.14. Venous cord blood pH (if performed): _____	
NAD.15. Placental exam (based on path report): <input type="checkbox"/> No <input type="checkbox"/> Yes NAD.16. If yes, <input type="checkbox"/> Normal <input type="checkbox"/> Abruptio <input type="checkbox"/> Inflammation <input type="checkbox"/> Other abnormality (please describe)			
NAD.17. Apgar score: 1 min _____ / 5 min _____		NAD.18. Infant temp (if abnormal): _____ °F or _____ °C	
Physical Examination (record earliest measurements taken)			
NAD.19. Birth head circumference: _____ <input type="checkbox"/> cm _____ <input type="checkbox"/> in NAD.20. <input type="checkbox"/> Molding present NAD.21. Physican report: <input type="checkbox"/> Normal <input type="checkbox"/> Abnormal NAD.22. HC percentile: _____		NAD.23. Birth weight: _____ <input type="checkbox"/> grams _____ <input type="checkbox"/> lbs/oz NAD.24. Birth weight percentile: _____ NAD.25. Birth length: _____ <input type="checkbox"/> cm _____ <input type="checkbox"/> in NAD.26. Birth length percentile: _____	
NAD.27. Repeat head circumference: _____ <input type="checkbox"/> cm _____ <input type="checkbox"/> in NAD.28. Date performed: _____ or Age _____ day(s) NAD.29. Physican report: <input type="checkbox"/> Normal <input type="checkbox"/> Abnormal NAD.30. HC percentile: _____		NAD.31. Admitted to Neonatal Intensive Care Unit: <input type="checkbox"/> No <input type="checkbox"/> Yes <i>If yes, reason:</i> _____ NAD.32. Neonatal death: <input type="checkbox"/> No <input type="checkbox"/> Yes NAD.33. Date: _____ or Age at death _____ days NAD.34. Cause of death: _____	
NAD.35. Microcephaly (head circumference <3%ile): <input type="checkbox"/> No <input type="checkbox"/> Yes		NAD.36. Seizures: <input type="checkbox"/> No <input type="checkbox"/> Yes	
NAD.37. Neurologic exam: (check all that apply) <input type="checkbox"/> Not performed <input type="checkbox"/> Unknown <input type="checkbox"/> Normal <input type="checkbox"/> Hypertonia/Spasticity <input type="checkbox"/> Hyperreflexia <input type="checkbox"/> Irritability <input type="checkbox"/> Tremors <input type="checkbox"/> Other neurologic abnormalities NAD.38. (please describe below)			



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<p>NAD.39. Splenomegaly by physical exam: <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Unknown NAD.40. (please describe)</p>	<p>NAD.41. Hepatomegaly by physical exam: <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Unknown NAD.42. (please describe)</p>	<p>NAD.43. Skin rash by physical exam: <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Unknown NAD.44. (please describe)</p>
<p>NAD.45. Other abnormalities identified: please check all that apply</p> <p> <input type="checkbox"/> Fetal Brain Disruption Sequence (collapsed skull, overlapping sutures, prominent occipital bone, scalp rugae) <input type="checkbox"/> Encephalocele <input type="checkbox"/> Anencephaly/ Acrania <input type="checkbox"/> Spina bifida <input type="checkbox"/> Holoprosencephaly/arhinencephaly <input type="checkbox"/> Microphthalmia/Anophthalmia <input type="checkbox"/> Arthrogryposis (congenital joint contractures) <input type="checkbox"/> Congenital Talipes Equinovarus (clubfoot) <input type="checkbox"/> Congenital hip dislocation/developmental dysplasia of the hip <input type="checkbox"/> Other abnormalities NAD.46. (please describe below) </p>		
<p>Neonate Imaging and Diagnostics</p>		
<p>NAD.47. Hearing screening : (Date: _____) or Age _____ day(s) NAD.48. <input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> Inconclusive/Needs retest <input type="checkbox"/> Not performed NAD.49. Please describe</p> <p>NAD.50. Audiological evaluation: <input type="checkbox"/> Not performed <input type="checkbox"/> Auditory brainstem response (ABR) test performed <input type="checkbox"/> Otoacoustic emissions (OAE) test performed <input type="checkbox"/> Acoustic stapedius reflex (ASR) test performed <input type="checkbox"/> Unknown NAD.51. If performed: Date: _____ NAD.52. <input type="checkbox"/> Normal <input type="checkbox"/> Abnormal NAD.53. Please describe</p>		
<p>NAD.54. Retinal exam (with dilation): <input type="checkbox"/> Not Performed <input type="checkbox"/> Performed <input type="checkbox"/> Unknown NAD.55. <i>If performed:</i> (Date: _____) or Age _____ day(s) NAD.56. <i>please check all that apply:</i> <input type="checkbox"/> Normal <input type="checkbox"/> Microphthalmia/Anophthalmia <input type="checkbox"/> Coloboma <input type="checkbox"/> Cataract <input type="checkbox"/> Intraocular calcifications <input type="checkbox"/> Chorioretinal atrophy, scarring, macular pallor, gross pigmentary mottling, or retinal hemorrhage, excluding retinopathy of prematurity <input type="checkbox"/> Other retinal abnormalities <input type="checkbox"/> Optic nerve atrophy, pallor <input type="checkbox"/> Other optic nerve abnormalities NAD.57. <i>(please describe below)</i></p>		
<p>NAD.58. Imaging study: <input type="checkbox"/> Cranial ultrasound <input type="checkbox"/> MRI <input type="checkbox"/> CT <input type="checkbox"/> Not Performed NAD.59. (Date: _____) or Age _____ day(s) NAD.60. Findings: <i>check all that apply</i> <input type="checkbox"/> Normal <input type="checkbox"/> Microcephaly <input type="checkbox"/> Intracranial calcification <input type="checkbox"/> Cerebral / cortical atrophy</p>		



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- Abnormal cortical gyral patterns (lissencephaly, pachygyria, agyria, microgyria, polymicrogyria, schizencephaly)
 - Corpus callosum abnormalities Cerebellar abnormalities Porencephaly
 - Hydranencephaly Moderate or severe ventriculomegaly/hydrocephaly
 - Fetal Brain Disruption Sequence (collapsed skull, overlapping sutures, prominent occipital bone, scalp rugae)
 - Other major brain abnormalities
 - Encephalocele Holoprosencephaly/ Arhinencephaly
 - Other abnormalities
- NAD.61.** *(please describe below)*

NAD.62. Imaging study: Cranial ultrasound MRI CT Not Performed

NAD.63. (Date: _____) or Age _____ day(s)

NAD.64. Findings: *check all that apply* Normal

- Microcephaly Intracranial calcification Cerebral / cortical atrophy
 - Abnormal cortical gyral patterns (lissencephaly, pachygyria, agyria, microgyria, polymicrogyria, schizencephaly)
 - Corpus callosum abnormalities Cerebellar abnormalities Porencephaly
 - Hydranencephaly Moderate or severe ventriculomegaly/hydrocephaly
 - Fetal Brain Disruption Sequence (collapsed skull, overlapping sutures, prominent occipital bone, scalp rugae)
 - Other major brain abnormalities
 - Encephalocele Holoprosencephaly/ Arhinencephaly
 - Other abnormalities
- NAD.65.** *(please describe below)*

NAD.66. Imaging study: Cranial ultrasound MRI CT Not Performed

NAD.67. (Date: _____) or Age _____ day(s)

NAD.68. Findings: *check all that apply* Normal

- Microcephaly Intracranial calcification Cerebral / cortical atrophy
- Abnormal cortical gyral patterns (lissencephaly, pachygyria, agyria, microgyria, polymicrogyria, schizencephaly)
- Corpus callosum abnormalities Cerebellar abnormalities Porencephaly
- Hydranencephaly Moderate or severe ventriculomegaly/hydrocephaly
- Fetal Brain Disruption Sequence (collapsed skull, overlapping sutures, prominent occipital bone, scalp rugae)
- Other major brain abnormalities
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Infant's State/Territory ID _____ Mother's State/Territory ID _____



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Other abnormalities
NAD.69. (please describe below)

NAD.70. Was a lumbar puncture performed: Yes No Unknown **NAD.71.** (Date: _____)
 or Age _____ day(s)

Postnatal Infection Testing (includes urine culture for CMV)

NAD.72.	Toxoplasmosis infection:	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Unknown
NAD.73.	Cytomegalovirus infection:	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Unknown
NAD.74.	Herpes Simplex infection:	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Unknown
NAD.75.	Rubella infection:	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Unknown
NAD.76.	Lymphocytic choriomeningitis virus infection:	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Unknown
NAD.77.	Syphilis infection:	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Unknown

NAD.78. If yes for any postnatal infection testing, please describe results:

Postnatal (Infant) Cytogenetic Testing

NAD.79. Cytogenetic Test	NAD.80. Date:	NAD.82. Specimen	NAD.83. Test Result
<input type="checkbox"/> Karyotype <input type="checkbox"/> FISH <input type="checkbox"/> CGH microarray <input type="checkbox"/> Other, specify _____	_____ NAD.81. Infant Age: _____ months	<input type="checkbox"/> Cord blood <input type="checkbox"/> Peripheral blood <input type="checkbox"/> Tissue <input type="checkbox"/> Other, specify _____	<input type="checkbox"/> Normal <input type="checkbox"/> Abnormal <input type="checkbox"/> Unknown

NAD.84. Description of cytogenetic test findings (verbatim):

Infant's State/Territory ID _____ Mother's State/Territory ID _____



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NAD.85. Other tests/results/diagnosis (include dates):

Birth Defects Diagnosed or Suspected (Include Chromosomal Abnormalities and Syndromes)

Diagnostic Code	Certainty	Verbatim Description
	<input type="checkbox"/> Definite <input type="checkbox"/> Possible/Probable	
	<input type="checkbox"/> Definite <input type="checkbox"/> Possible/Probable	
	<input type="checkbox"/> Definite <input type="checkbox"/> Possible/Probable	
	<input type="checkbox"/> Definite <input type="checkbox"/> Possible/Probable	
	<input type="checkbox"/> Definite <input type="checkbox"/> Possible/Probable	
	<input type="checkbox"/> Definite <input type="checkbox"/> Possible/Probable	

Health Department Information

NAD.86. Name of person completing form: _____

NAD.87. Phone: _____

NAD.88. Email: _____ **NAD.89. Date of form completion** _____

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Mother ID: _____ **State/territory ID:** _____

Public reporting burden of this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a currently valid OMB control number. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to CDC/ATSDR Reports Clearance Officer, 1600 Clifton Road NE, MS E-11, Atlanta, Georgia 30333; ATTN: PRA (0920-1101)