



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

CENTERS FOR DISEASE CONTROL AND PREVENTION 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 SAMS or secure FTP—request access from ZIKApregnancy@cdc.gov

The form can also be sent by encrypted email to this address or by secure fax to [404-718-1013](tel:404-718-1013) or [404-718-2200](tel:404-718-2200)

Contact Pregnancy & Birth Defects Task Force phone number: 770-488-7100

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 ____/____/____ <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) _____			
NAD.39. Splenomegaly by physical exam:	NAD.41. Hepatomegaly by physical exam:	NAD.43. Skin rash by physical exam:	



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<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Unknown NAD.40. (please describe)	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Unknown NAD.42. (please describe)	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Unknown NAD.44. (please describe)
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NAD.45. Other abnormalities identified: please check all that apply

- Fetal Brain Disruption Sequence (collapsed skull, overlapping sutures, prominent occipital bone, scalp rugae)
- Encephalocele Anencephaly/ Acrania Spina bifida Holoprosencephaly/arhinencephaly
- Microphthalmia/Anophthalmia Arthrogryposis (congenital joint contractures)
- Congenital Talipes Equinovarus (clubfoot) Congenital hip dislocation/developmental dysplasia of the hip
- Other abnormalities

NAD.46. (please describe below)

Neonate Imaging and Diagnostics

NAD.47. Hearing screening : (date: ___/___/___) or Age _____ day(s)

NAD.48. Pass Fail Inconclusive/Needs retest Not performed

NAD.49. Please describe

NAD.50. Audiological evaluation: Not performed Auditory brainstem response (ABR) test performed
 Otoacoustic emissions (OAE) test performed Acoustic stapedius reflex (ASR) test performed
 Unknown

NAD.51. If performed: Date: ___/___/___ **NAD.52.** Normal Abnormal,

NAD.53. Please describe

NAD.54. Retinal exam (with dilation): Not Performed Performed Unknown

NAD.55. If performed: (date: ___/___/___) or Age _____ day(s)

NAD.56. please check all that apply: Normal

- Microphthalmia/Anophthalmia Coloboma Cataract Intraocular calcifications
- Chorioretinal atrophy, scarring, macular pallor, gross pigmentary mottling, or retinal hemorrhage, excluding retinopathy of prematurity Other retinal abnormalities
- Optic nerve atrophy, pallor Other optic nerve abnormalities

NAD.57. (please describe below)

NAD.58. Imaging study: Cranial ultrasound MRI CT Not Performed

NAD.59. (date: ___/___/___) or Age _____ day(s)

NAD.60. Findings: check all that apply Normal

Microcephaly Intracranial calcification Cerebral / cortical atrophy

Abnormal cortical gyral patterns (lissencephaly, pachygyria, agyria, microgyria, polymicrogyria, schizencephaly)



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

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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:

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Postnatal (Infant) Cytogenetic Testing

NAD.79. Cytogenetic Test <input type="checkbox"/> Karyotype <input type="checkbox"/> FISH <input type="checkbox"/> CGH microarray <input type="checkbox"/> Other, specify _____	NAD.80. Date: ____/____/____ NAD.81. Infant Age: ____ months	NAD.82. Specimen <input type="checkbox"/> Cord blood <input type="checkbox"/> Peripheral blood <input type="checkbox"/> Tissue <input type="checkbox"/> Other, specify _____	NAD.83. Test Result <input type="checkbox"/> Normal <input type="checkbox"/> Abnormal <input type="checkbox"/> Unknown
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NAD.84. Description of cytogenetic test findings (verbatim):

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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)