

ZIKA VIRUS CASE REPORT FORM – NEONATE BASELINE AND OUTCOME –NBO [2]

Neonate identification code: _____ **Mother's identification code:** _____

DESIGN OF THIS CASE REPORT FORM (CRF)

There are two sets of Case Report Forms (CRFs) to be used in combination - Neonate and Maternal. The CRFs are to be used in combination for prospective or retrospective cohort studies or case control studies.

These sets of CRFs are to be used at admission and at discharge/going home. For any patients admitted for more than 24 hours, the Baseline and Outcome CRF and the Laboratory Results CRF can be copied and used for daily data recording.

For all studies, we recommend completing a minimum of the [1] **Maternal Baseline and Outcome (MBO)** and [2] **Neonate Baseline and Outcome (NBO)** CRFs, follow by [3] **Maternal Laboratory Results (MLR)** and [4] **Neonate Laboratory Results (NLR)** CRFs for all neonates post – delivery. If the mother and/or neonate is admitted to an Intensive Care Unit or Paediatric Intensive Care Unit, complete [5] **Maternal Intensive Care (MIC)**, and/or [6] **Neonate Intensive Care (NIC)** as well.

For pregnant women presenting with acute symptoms, complete [7] **Maternal Acute Symptoms (MAS)**, and for all studies also complete [8] **Maternal Antenatal Care (MAC)**.

Complete the outcomes sections in CRFs [1] **MBO** and [2] **NBO** once all diagnostics laboratory results and final diagnosis are available.

HOW TO USE THIS CRF

When completing the CRF modules, please make sure that:

- ☐ The mother or consultee/guardian/representative has been given information about the observational study and the informed consent form has been completed and signed.
- ☐ The study ID codes will be assigned for both mother / pregnant woman and neonate as per hospital protocol and guidelines.
- ☐ The study ID codes should be filled in on all pages of paper CRF forms, all information should be kept confidential at all times, and no patient identifiable information is recorded on the CRFs.
- ☐ Patients' hospital ID and contact details should be recorded on a separate contact list to allow later follow up. The contact forms must be kept separate from the CRFs at all times and keep in a secure location.

Each site may choose the amount of data to collect based on available resources and the number of patients enrolled to date. Ideally, data on patients (neonate and mother) will be collected using all CRF modules as appropriate.

Sites with very low resources or very high patient numbers may select NEONATE/MATERNAL BASELINE AND OUTCOME CRF modules. The decision is up to the site Investigators and may be changed throughout the data collection period. All high quality data is valuable for analysis.

GENERAL GUIDANCE

- ☐ The CRF is designed to collect data obtained through patient examination, for neonate through parent/guardian/representative interview and review of hospital notes.
- ☐ Patient ID codes should be filled in on all pages of paper CRF forms (neonate and mother).
- ☐ Complete every line of every section, except for where the instructions say to skip a section based on certain responses.
- ☐ Selections with square boxes (☐) are single selection answers (choose one answer only). Selections with circles (O) are multiple selection answers (choose as many answers as are applicable).
- ☐ It is important to know when the answer to a particular question is not known. Please mark the 'Unknown' box if this is the case.
- ☐ Some sections have open areas where you can write additional information. To permit standardised data entry, please avoid writing additional information outside of these areas.
- ☐ We recommend writing clearly in black or blue ink, using BLOCK-CAPITAL LETTERS.
- ☐ Place an (X) when you choose the corresponding answer. To make corrections, strike through (---) the data you wish to delete and write the correct data above it. Please initial and date all corrections.
- ☐ Please keep all of the sheets for a single woman and neonate included in the study together e.g. with a staple or in a folder that is unique to the patient.
- ☐ Please contact us if we can help with any CRF completion questions, if you have comments and to let us know that you are using the forms. Please contact Dr Gail Carson by email: gail.carson@ndm.ox.ac.uk

Disclaimer: These CRFs are intended for use as a standardised document for the collection of clinical data in studies investigating the Zika virus. Responsibility for use of these CRFs rests with the study investigators. ISARIC and the authors of the CRF accept no responsibility for the use of the CRF in an amended format nor for the use of the standardised CRF outside its intended purpose. *Formatting issues are in the process of being resolved. Word documents are available in order to adapt and translate the CRFs, however, there may be issues between macs and PCs. The PDF format is also available, which should be well formatted on both types of machines.*

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INCLUSION CRITERIA

Define as appropriate for each study and as per latest national guidelines.
Ensure informed consent.

Date and time of consent (dd/mm/yyyy): ____ / ____ / 2 0 ____ Time: ____: ____ hrs

Signature of the person taking consent: _____

Name of the person taking consent: _____

1. Name of site/clinic/hospital		
2. Geoposition	Latitude: ____ . _____	Longitude: ____ . _____
If geoposition not available, state location below		
3. City/town		
4. Country		

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1) NEONATE DEMOGRAPHICS

5. Sex	<input type="checkbox"/> Male <input type="checkbox"/> Female <input type="checkbox"/> Uncertain
6. Date of birth (dd/mm/yyyy)	____ / ____ / 20 ____
7. Gestational age at birth	____ weeks ____ days
8. Basis of gestational age estimation at birth	<input type="checkbox"/> Last menstrual period <input type="checkbox"/> Ultrasound <input type="checkbox"/> Assisted reproduction <input type="checkbox"/> Other (specify): _____
9. Birth number	<input type="checkbox"/> Singleton <input type="checkbox"/> Twin I <input type="checkbox"/> Twin II <input type="checkbox"/> Triplet I <input type="checkbox"/> Triplet II <input type="checkbox"/> Triplet III <input type="checkbox"/> Other: _____
10. Ethnicity of baby (as per national guidelines)	
11. Fetal presentation at delivery	<input type="checkbox"/> Cephalic <input type="checkbox"/> Breech <input type="checkbox"/> Other (specify): _____

2) NEONATE MEASUREMENTS AT BIRTH

12. Apgar scores	<input type="text"/> 1 min <input type="text"/> 5 min <input type="text"/> 10 min <input type="checkbox"/> not done					
13. Birth weight (<12 hrs after delivery)	<input type="text"/>	gram	<input type="text"/>	pounds	<input type="text"/>	ounces
14. Crown-to-heel length	<input type="text"/>	cm	<input type="text"/>	inches	<input type="checkbox"/> unknown	
15. Head circumference * (occipito-frontal)	<input type="text"/>	cm	<input type="text"/>	inches	<input type="checkbox"/> unknown	
16. Mother's head circumference	<input type="text"/>	cm	<input type="text"/>	inches	<input type="checkbox"/> unknown	
17. Father's head circumference	<input type="text"/>	cm	<input type="text"/>	inches	<input type="checkbox"/> unknown	

***Head circumference to be TAKEN <12 HOURS AFTER BIRTH, AND NO LATER THAN 24 HOURS.**

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3) BIRTH ABNORMALITIES

Please complete this section in full even if no abnormalities were present

18. Fontanelle present	Anterior: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	Posterior: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	Bulging: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
19. Cephalohaematoma	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	Subgaleal haemorrhage	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
20. Craniosynostosis	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	If yes, specify/describe:	
21. Omphalocele	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	22. Ear abnormalities	<input type="checkbox"/> Anotia/microtia <input type="checkbox"/> Other (describe): _____ <input type="checkbox"/> No <input type="checkbox"/> Unknown
23. Gastroschisis	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	24. Cleft lip/cleft palate	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
25. Down syndrome features	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	26. Neural tube defects, e.g. spina bifida, meningocele	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
27. Hand abnormalities	<input type="checkbox"/> Clinodactyly <input type="checkbox"/> Missing digits <input type="checkbox"/> Other (specify): _____ <input type="checkbox"/> No <input type="checkbox"/> Unknown	28. Feet abnormalities	<input type="checkbox"/> Wide spaced toes <input type="checkbox"/> Clubfoot <input type="checkbox"/> Other(specify): _____ <input type="checkbox"/> No <input type="checkbox"/> Unknown
29. Upper and/or lower limb abnormalities	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	If yes, specify/describe which limb/s:	
30. Eye abnormalities	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	If yes, describe:	
31. Facial dysmorphism	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	If yes, please describe:	
32. Any other significant abnormalities present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	If yes, please describe all:	
33. Known familial genetic disorders	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	If yes, please specify:	
34. Syndromic abnormalities identified by Physician	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	If yes, please specify:	

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4) OTHER TESTS AND EXAMINATIONS

Test	Result	If abnormal, please describe abnormality:	
35. Fundoscopy	<input type="checkbox"/> Normal <input type="checkbox"/> Abnormal <input type="checkbox"/> Not Done		
36. Red reflex	<input type="checkbox"/> Present <input type="checkbox"/> Absent <input type="checkbox"/> Not Done		
37. Cataract	<input type="checkbox"/> Normal <input type="checkbox"/> Abnormal <input type="checkbox"/> Not Done		
38. Chorioretinitis	<input type="checkbox"/> Absent <input type="checkbox"/> Present <input type="checkbox"/> Examination Not Done		
39. Hearing test, please specify test used:	<input type="checkbox"/> Normal <input type="checkbox"/> Abnormal <input type="checkbox"/> Not Done		
40. Congenital heart defects	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	If yes, specify:	
Newborn blood screening	41. Hypothyroidism <input type="checkbox"/> Negative <input type="checkbox"/> Positive <input type="checkbox"/> Not Done	42. Phenylketonuria <input type="checkbox"/> Negative <input type="checkbox"/> Positive <input type="checkbox"/> Not Done	43. Other (specify): <input type="checkbox"/> Negative <input type="checkbox"/> Positive
44. Excessive head skin	<input type="checkbox"/> Present <input type="checkbox"/> Absent	If present, specify/describe	
45. Prominent occiput	<input type="checkbox"/> Present <input type="checkbox"/> Absent		
46. Dimples over joints	<input type="checkbox"/> Present <input type="checkbox"/> Absent		
47. Umbilical hernia	<input type="checkbox"/> Present <input type="checkbox"/> Absent		
48. Haemangiomas	<input type="checkbox"/> Present <input type="checkbox"/> Absent	<input type="checkbox"/> Facial <input type="checkbox"/> Rest of body	Number of them: _____
49. Thickened palate	<input type="checkbox"/> Present <input type="checkbox"/> Absent <input type="checkbox"/> Examination not done		

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50. Any other significant findings	<input type="checkbox"/> Yes <input type="checkbox"/> No	If yes, specify:	
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5) BASELINE OBSERVATIONS DAY 0 (≤ 24 hours post-delivery)

51. Date (dd/mm/yyyy)	____ / ____ / 20 ____		
52. Maximum temperature	____ . ____ °C or ____ Fahrenheit <input type="checkbox"/> Oral <input type="checkbox"/> Tympanic <input type="checkbox"/> Rectal <input type="checkbox"/> Axillary <input type="checkbox"/> Other (specify):		
53. Respiratory rate		breaths/minute	
54. Heart rate		beats/minute	
55. Capillary refill time (central)		seconds	
56. Peripheral O ₂ saturation (SpO ₂)		%	
57. Cardiovascular system	<input type="checkbox"/> Normal <input type="checkbox"/> Abnormal <input type="checkbox"/> Unknown	<input type="checkbox"/> Murmur <input type="checkbox"/> Other (specify) :	
58. Respiratory system	<input type="checkbox"/> Normal <input type="checkbox"/> Abnormal <input type="checkbox"/> Unknown	If abnormal, describe:	
59. Gastrointestinal system	<input type="checkbox"/> Normal <input type="checkbox"/> Abnormal <input type="checkbox"/> Unknown	<input type="checkbox"/> Jaundice <input type="checkbox"/> Abdominal tenderness <input type="checkbox"/> Hepatomegaly <input type="checkbox"/> Splenomegaly <input type="checkbox"/> Other (specify):	
60. Type of cry	<input type="checkbox"/> Strong normal cry <input type="checkbox"/> Weak, high-pitched or continuous cry <input type="checkbox"/> Not crying <input type="checkbox"/> Other:		
61. Tonic neck reflex	<input type="checkbox"/> Present <input type="checkbox"/> Absent <input type="checkbox"/> Not Done	62. Moro reflex	<input type="checkbox"/> Present <input type="checkbox"/> Absent <input type="checkbox"/> Not Done
63. Rooting reflex	<input type="checkbox"/> Present <input type="checkbox"/> Absent <input type="checkbox"/> Not Done	64. Sucking reflex	<input type="checkbox"/> Present <input type="checkbox"/> Absent <input type="checkbox"/> Not Done
65. Grasp reflex	<input type="checkbox"/> Present <input type="checkbox"/> Absent <input type="checkbox"/> Not Done		
66. Seizure(s)	<input type="checkbox"/> General <input type="checkbox"/> Focal <input type="checkbox"/> No <input type="checkbox"/> Unknown	If yes, describe:	
67. Paralysis	<input type="checkbox"/> General <input type="checkbox"/> Ascending <input type="checkbox"/> No <input type="checkbox"/> Unknown	If yes, describe:	
68. Hypotonia (floppiness)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		

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69. Stiffness or spasticity or increased tone of limbs	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	If yes, describe:	
70. Contractures	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	If yes, describe:	
71. Arthrogryposis	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	If yes, describe:	
72. Other neurological signs*	<input type="checkbox"/> Yes <input type="checkbox"/> No	If yes, describe:	
73. Other abnormal movements* e.g writhing movements	<input type="checkbox"/> Yes <input type="checkbox"/> No	If yes, describe:	
74. Oedema	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	If yes, describe affected parts:	
75. Rash	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	If yes, date of rash onset (dd/mm/yyyy)	____ / ____ / 20 ____
If yes, please describe type of rash		Body distribution of rash	
76. Maculopapular rash	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Centrifugal <input type="checkbox"/> Centripetal	
77. Erythematous rash	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Centrifugal <input type="checkbox"/> Centripetal	
78. Non blanching rash	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Centrifugal <input type="checkbox"/> Centripetal	
79. Vesicular rash	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Centrifugal <input type="checkbox"/> Centripetal	
80. Erythema migrans	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Centrifugal <input type="checkbox"/> Centripetal	
81. Petechial or purpuric rash	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Centrifugal <input type="checkbox"/> Centripetal	
82. Bruising/ ecchymosis	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Centrifugal <input type="checkbox"/> Centripetal	
83. If other type of rash, please specify:			

**If a neuromuscular assessment is required within the first 24hrs, please complete the additional gestational assessment using Hammersmith Short Neonatal Neurological Examination (See additional CRF).*

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6) IMAGING (if available)

If abnormal, please describe abnormality and enclose images if possible.

Neuroimaging	Results	If abnormal, please summarise key results from report:	Images attached	Report attached
84. Cranial ultrasound scan	<input type="checkbox"/> Normal <input type="checkbox"/> Abnormal <input type="checkbox"/> Not Done		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
85. Other (specify type of test):	<input type="checkbox"/> Normal <input type="checkbox"/> Abnormal		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Other (specify type of test):	<input type="checkbox"/> Normal <input type="checkbox"/> Abnormal		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Other (specify type of test):	<input type="checkbox"/> Normal <input type="checkbox"/> Abnormal		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Other (specify type of test):	<input type="checkbox"/> Normal <input type="checkbox"/> Abnormal		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No

7) MEDICATIONS OR SUPPORTIVE CARE TO NEONATE POST-DELIVERY

86. List medications administered within 24 hours of delivery: Use generic names. Include antibiotics, antivirals, corticosteroids, immunoglobulin, anticonvulsants, diuretics or others.

Type of medication	Name of medication (generic name)	Dose and frequency (eg. 40mg four times daily)	Start date (dd/mm/ yyyy)	Number of days duration	Route of administration
					<input type="checkbox"/> IV <input type="checkbox"/> Oral <input type="checkbox"/> Rectal
					<input type="checkbox"/> IV <input type="checkbox"/> Oral <input type="checkbox"/> Rectal
					<input type="checkbox"/> IV <input type="checkbox"/> Oral <input type="checkbox"/> Rectal
					<input type="checkbox"/> IV <input type="checkbox"/> Oral

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					<input type="checkbox"/> Rectal
					<input type="checkbox"/> IV <input type="checkbox"/> Oral <input type="checkbox"/> Rectal

8) LABOUR AND DELIVERY

87. Onset of labour (tick one box only) <input type="checkbox"/> Spontaneous <input type="checkbox"/> Induced <input type="checkbox"/> No labour <input type="checkbox"/> Unknown	88. Prelabour premature rupture of membranes (PPROM) <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	89. Place of delivery <input type="checkbox"/> Home <input type="checkbox"/> Health facility <input type="checkbox"/> Unknown
90. Mode of delivery	<input type="checkbox"/> Vaginal spontaneous <input type="checkbox"/> Vaginal assisted (e.g. forceps , vacuum) <input type="checkbox"/> Caesarean section <input type="checkbox"/> Assisted breech or breech extraction	
If labour was induced, or Caesarean section performed, please tick all that apply:		
91. Vaginal bleeding	<input type="checkbox"/> Yes <input type="checkbox"/> No	92. Rhesus disease or anti-Kell antibodies
93. Placenta praevia	<input type="checkbox"/> Yes <input type="checkbox"/> No	94. Intrahepatic cholestasis of pregnancy
95. Fetal death	<input type="checkbox"/> Yes <input type="checkbox"/> No	96. Post-term (>42 weeks' gestation)
97. Pregnancy-induced hypertension	<input type="checkbox"/> Yes <input type="checkbox"/> No	98. HIV or AIDS
99. Pre-eclampsia	<input type="checkbox"/> Yes <input type="checkbox"/> No	100. Genital tract infection or STD
101. Severe pre-eclampsia/eclampsia/HELLP	<input type="checkbox"/> Yes <input type="checkbox"/> No	102. Infection requiring antibiotics/antivirals
103. Breech presentation	<input type="checkbox"/> Yes <input type="checkbox"/> No	104. Accident/maternal trauma
105. Fetal distress (abnormal FHR or BPP)	<input type="checkbox"/> Yes <input type="checkbox"/> No	106. Pregnancy termination
107. Reduced fetal movement	<input type="checkbox"/> Yes <input type="checkbox"/> No	108. Previous Caesarean section
109. Failure to progress	<input type="checkbox"/> Yes <input type="checkbox"/> No	110. Worsening of pre-existing condition
111. Cephalo-pelvic disproportion	<input type="checkbox"/> Yes <input type="checkbox"/> No	If yes, specify: _____
112. PPROM	<input type="checkbox"/> Yes <input type="checkbox"/> No	113. Any other maternal reason
114. Uterine rupture	<input type="checkbox"/> Yes <input type="checkbox"/> No	If yes, specify: _____
115. Placental abruption	<input type="checkbox"/> Yes <input type="checkbox"/> No	116. Any other fetal reason
117. Suspected IUGR	<input type="checkbox"/> Yes <input type="checkbox"/> No	If yes, specify: _____
118. If yes to any of the above, specify:		
119. Placental weight	<input style="width: 50px;" type="text"/>	<input type="checkbox"/> grams <input type="checkbox"/> Other units (specify): _____
120. Placental calcifications	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	

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121. Other placental abnormalities	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	If yes, please specify:	
Intrapartum Complications			
122. Haemorrhage	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	If yes, specify source of bleeding:	
123. Chorioamnionitis	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	If yes, specify positive microbiology result:	
124. Fetal hypoxia	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	If yes, specify tests used:	
125. Fetal scalp blood sample	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	If yes, record results:	
126. Cardiotocography (CTG) abnormalities	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	If yes, specify:	
127. Other complication(s)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	If yes, specify/describe:	

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Postpartum Complications				
128. Postpartum complications (including postpartum haemorrhage)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	If yes, please specify:		
129. Neonatal hypoglycaemia	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	Please specify glucose value and unit: (if multiple measurements: please note lowest blood glucose value)	<div style="border: 1px solid black; width: 60px; height: 20px; margin: 0 auto;"></div>	<input type="checkbox"/> mg/dL <input type="checkbox"/> mmol/L

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9) NEONATE HOSPITAL ADMISSION

130. Was the neonate admitted to hospital		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	
131. If yes, state the name of the hospital			
132. City			
133. Reason for admission			
134. Date of admission	____ / ____ / 20 ____	135. Length of stay (days)	____ days <input type="checkbox"/> Unknown
136. Was the neonate admitted to intensive care (ITU/PICU/NICU/PHDU)		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	
If yes, please also complete the Zika virus Case Report Form (CRF) – Neonate Intensive Care module			

10) DIAGNOSTIC OUTCOMES NEONATE Record the final diagnosis based on laboratory tests performed, clinical picture and case definitions when available. Choose the appropriate case definition, e.g WHO or national/local case definition and ensure the definition used is clear and shared with all involved in the study. Please complete the Zika virus CRF Neonate Laboratory Results module.

Pathogen	Diagnosis	Comment
137. Zika virus	<input type="checkbox"/> Confirmed acute infection <input type="checkbox"/> Probable acute infection <input type="checkbox"/> Confirmed congenital infection <input type="checkbox"/> Probable congenital infection <input type="checkbox"/> Negative <input type="checkbox"/> Not tested <input type="checkbox"/> Unknown	
138. Dengue virus	<input type="checkbox"/> Confirmed acute infection <input type="checkbox"/> Probable acute infection <input type="checkbox"/> Confirmed congenital infection <input type="checkbox"/> Probable congenital infection <input type="checkbox"/> Negative <input type="checkbox"/> Not tested <input type="checkbox"/> Unknown	
139. Yellow fever virus	<input type="checkbox"/> Confirmed acute infection <input type="checkbox"/> Probable acute infection <input type="checkbox"/> Confirmed congenital infection <input type="checkbox"/> Probable congenital infection <input type="checkbox"/> Negative <input type="checkbox"/> Not tested <input type="checkbox"/> Unknown	
140. West Nile virus	<input type="checkbox"/> Confirmed acute infection <input type="checkbox"/> Probable acute infection <input type="checkbox"/> Confirmed congenital infection <input type="checkbox"/> Probable congenital infection <input type="checkbox"/> Negative <input type="checkbox"/> Not tested <input type="checkbox"/> Unknown	

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141. Chikungunya virus	<input type="checkbox"/> Confirmed acute infection <input type="checkbox"/> Probable acute infection <input type="checkbox"/> Confirmed congenital infection <input type="checkbox"/> Probable congenital infection <input type="checkbox"/> Negative <input type="checkbox"/> Not tested <input type="checkbox"/> Unknown	
142. Toxoplasmosis	<input type="checkbox"/> Confirmed acute infection <input type="checkbox"/> Probable acute infection <input type="checkbox"/> Confirmed congenital infection <input type="checkbox"/> Probable congenital infection <input type="checkbox"/> Negative <input type="checkbox"/> Not tested <input type="checkbox"/> Unknown	
143. Rubella	<input type="checkbox"/> Confirmed acute infection <input type="checkbox"/> Probable acute infection <input type="checkbox"/> Confirmed congenital infection <input type="checkbox"/> Probable congenital infection <input type="checkbox"/> Negative <input type="checkbox"/> Not tested <input type="checkbox"/> Unknown	
144. Cytomegalovirus	<input type="checkbox"/> Confirmed acute infection <input type="checkbox"/> Probable acute infection <input type="checkbox"/> Confirmed congenital infection <input type="checkbox"/> Probable congenital infection <input type="checkbox"/> Negative <input type="checkbox"/> Not tested <input type="checkbox"/> Unknown	
145. Herpes Simplex virus	<input type="checkbox"/> Confirmed acute infection <input type="checkbox"/> Probable acute infection <input type="checkbox"/> Confirmed congenital infection <input type="checkbox"/> Probable congenital infection <input type="checkbox"/> Negative <input type="checkbox"/> Not tested <input type="checkbox"/> Unknown	
146. Other (specify):	<input type="checkbox"/> Confirmed acute infection <input type="checkbox"/> Probable acute infection <input type="checkbox"/> Confirmed congenital infection <input type="checkbox"/> Probable congenital infection <input type="checkbox"/> Negative <input type="checkbox"/> Not tested <input type="checkbox"/> Unknown	
Other (specify):	<input type="checkbox"/> Confirmed acute infection <input type="checkbox"/> Probable acute infection <input type="checkbox"/> Confirmed congenital infection <input type="checkbox"/> Probable congenital infection <input type="checkbox"/> Negative <input type="checkbox"/> Not tested <input type="checkbox"/> Unknown	

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11) OUTCOME AT DISCHARGE – NEONATE complete at discharge or death

147. DATE OF DISCHARGE (dd/mm/yyyy): ____ / ____ / 20 ____

148. Neonate's status at discharge:

- ☐ Discharged home or other place with no abnormalities
- ☐ Discharged home or other place with neurological sequelae (e.g. seizures, spasticity, hypotonia, abnormal movements)
- ☐ Discharged home or other place with birth abnormality
- ☐ Antepartum death
- ☐ Intrapartum death

149. Microcephaly (as defined in the study inclusion Criteria): ☐ Yes ☐ No ☐ Unknown

150. If discharged with neurological sequelae, please specify:

151. If discharged with other abnormality specify all:

DIAGNOSTICS OUTCOME

152. Zika virus ☐ Positive ☐ Probable ☐ Negative ☐ Unknown ☐ Not tested

153. Diagnosis confirmed by: ☐ Lab. confirmed locally ☐ Lab. confirmed by regional reference laboratory ☐ Other, please specify : _____

154. Case definition/certainty of diagnosis (in line with national definitions):

☐ Possible ☐ Probable ☐ Confirmed

Comment on case definition: _____

155. If deceased please specify date of death (dd/mm/yyyy): ____ / ____ / 20 ____

156. Was autopsy performed: ☐ Yes ☐ No ☐ Unknown **Date of autopsy:** ____ / ____ / 20 ____

157. Any other outcome, describe all: _____

12) CASE REPORT FORM COMPLETED BY

Name and title			
Signature		Date (dd/mm/yyyy)	____ / ____ / 20 ____