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U.S. Zika Pregnancy Registry and Birth Defects Surveillance — Integrated Maternal Health History Form

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

MHH.1. State/Territory ID:	MHH.2. Maternal Age	MHH.3. State/Territory reporting:			
	at Diagnosis:	MHH.4. County reporting:			
MHH.5. Ethnicity: ☐ Hispanic or L	atino 🛮 Not Hispanic o	or Latino			
MHH.6. Race (check all that apply):					
		ck or African-American Unknown/Not Specified			
☐ Native Hawaiian or other Pacific		□ Other, specifysure history only, no known fetal abnormalities			
Minn.7. Indication for maternal 2	•	sure history and fetal abnormalities			
	•	nown exposure (skip to MHH.37)			
	Maternal Zika	Virus History			
MHH.8. Date of Zika virus sympto	m onset://_	OR MHH.9. Asymptomatic			
MHH.10. If symptomatic, gestation	nal age at onset:	(weeks, days)			
MHH.11. If gestational age or date	not known, trimester of	symptom onset (1 st , 2 nd , 3 rd)			
MHH.12. Symptoms of mother's Z	ika virus disease: (check	all that apply)			
☐ Fever (if measured)°F o	r°C □ Arthralgia	☐ Conjunctivitis ☐ Rash			
☐ Other clinical presentation					
MHH.13. If rash, check all that apply ☐ Maculopapular ☐ Petechial ☐ Purpuric ☐ Pruritic					
Describe rash distribution					
MHH.14. Hospitalized for Zika viru	ıs disease 🗆 No 🗀 Ye	es 🗆 Unknown			
	MHH.15. Maternal Death No Yes Unknown MHH.16. If yes, cause of death				
MHH.17. If yes, date of death					
MHH.18. What was the suspected		er, please specify 🗆 Unknown			
		the US states or US territories where there was active or during pregnancy? (http://www.cdc.gov/zika/geo/active			
countries.html)	periconceptional period	(http://www.cucigov/ziku/gco/uctive			
☐ No ☐ Yes ☐ Unknown	(If 'no' or 'unknown', skij	p to MHH 26)			
MHH.20. <i>If yes</i> , please characterize					
☐ Incoming travel (one way trave	el to US states <u>from</u> an ar	ea with active Zika virus transmission)			
☐ Incoming travel (one way trave	el to US territories <u>from</u> a	an area with active Zika virus transmission)			
☐ Outgoing and incoming travel	(roundtrip <u>from</u> US states	s <u>to</u> an area with active Zika virus transmission)			
☐ Outgoing and incoming travel	(roundtrip <u>from</u> US territ	ories <u>to</u> an area with active Zika virus transmission)			

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If incoming or outgoing travel, please	e list location and dates of travel:			
MHH.21. Country of exposure (1)	MHH.22. Start Date/ End Date/			
	☐ Start date is same as LMP			
MHH.23. Country of exposure (2)	MHH.24. Start Date/ End Date/			
	☐ Start date is same as LMP			
MHH.25. Country of exposure (3)	MHH.26. Start Date/ End Date/			
	☐ Start date is same as LMP			
MHH.27. Was the Zika virus exposure	e within the 50 states, DC, or territories?			
If yes, separately list each state or te	rritory where Zika virus exposure occurred, and dates of possible exposure:			
MHH.28. State or territory 1	MHH.29. Start Date/ End Date/			
	☐ Start date is same as LMP ☐ Still at location			
MHH.30. State or territory 2	MHH.31. Start Date/ End Date/			
	☐ Start date is same as LMP ☐ Still at location			
MHH.32. State or territory 3	MHH.33. Start Date/ End Date/			
	☐ Start date is same as LMP ☐ Still at location			
MHH.34. If suspected mode of transmission is sexual, was the pregnant woman's sexual partner(s):				
☐ Male ☐ Female Please check	***			
	ave an illness that included fever, rash, joint pain, or pink eye during or within			
□ No □ Yes □ Unknown	rea with active Zika virus transmission?			
	ed sexual contact while partner(s) had this illness?			
☐ No ☐ Yes ☐ Unknown				
MHH.37. Did partner have a test that	t demonstrated laboratory evidence of Zika virus infection? No Yes			
Maternal Health History (Underlying maternal illness)				
MHH.38. Diabetes ☐ No ☐ Yes ☐				
MHH.39. Maternal Phenylketonuria				
MHH.40. Hypothyroidism No Yes Unknown				
MHH.41. High Blood Pressure or Hypertension ☐ No ☐ Yes ☐ Unknown				
MHH.42. Other underlying illness(es): ☐ No ☐ Yes ☐ Unknown				
MHH.43. If yes, specify:				
	Pregnancy Information			
MHH.44. Last menstrual period (LMP	P): MHH.45. Estimated delivery date (EDD): /			
MHH.46. Estimated delivery date bas	sed on (check all that apply):			
\square LMP \square 1 st trimester ultrasound \square 2 nd trimester ultrasound \square 3 rd trimester ultrasound \square Other, specify				
	ncluding current pregnancy) MHH.48. # living children			

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History: I	MHH.49. # miscarriages	MHH.50. # elective terminations		
	MHH.51. Prior fetus/infant with microcephaly: ☐ No ☐ Yes ☐ Unknown MHH.52. If yes, cause genetic?: ☐ No ☐ Yes ☐ Unknown			
MHH.53. G	estation: 🗆 Single 🗆 Twins 🗀 Triple	ets+		
Substance (use MHH.54. Alcohol use:	□ No □ Yes □ Unknown		
during this	MHH.55. Cocaine use:	□ No □ Yes □ Unknown		
pregnancy:		□ No □ Yes □ Unknown		
-	ons during current pregnancy			
MHH.57.	Toxoplasmosis infection:	□ No □ Yes □ Unknown		
MHH.58.	Cytomegalovirus infection:	□ No □ Yes □ Unknown		
MHH.59.	Herpes Simplex infection:	□ No □ Yes □ Unknown		
MHH.60.	Rubella infection:	□ No □ Yes □ Unknown		
МНН.61.	Lymphocytic choriomeningitis virus infection:	□ No □ Yes □ Unknown		
MHH.62.	Syphilis infection:	□ No □ Yes □ Unknown		
MHH.63. If	yes for infection testing during curre	nt pregnancy, please describe results:		
MHH.64.	Fetal genetic abnormality:	□ No □ Yes, describe		
MHH.65.	Gestational diabetes:	☐ Unknown ☐ No ☐ Yes ☐ Unknown		
MHH.66.	Pregnancy-related hypertension:	□ No □ Yes □ Unknown		
MHH.67.	Intrauterine death of a twin:	□ No □ Yes □ Unknown		
MHH.68. Other: Other: No Yes Unknown MHH.67. If yes, please specify				
MHH.69. Medications during pregnancy: ☐ No ☐ Yes ☐ Unknown				
MHH.70. If yes, specify (please specify type and see guide for further instructions):_				
	Pregnancy Losses: Please also co	mplete pertinent sections of neonatal assessment form		
MHH.71. Di	id this pregnancy end in miscarriage ((<20 weeks of gestation)?		
		.72. Date:/ OR gestational age weeks		
MHH.73. Please describe any abnormalities noted				
		rauterine fetal demise) (≥20 weeks of gestation)?		
	Yes Unknown MHH. ease describe any abnormalities note	.75. Date:/ OR gestational age weeks		
	ease describe any abnormanties note as this pregnancy terminated?	su		
		.78. Date:/ OR gestational age weeks		
MHH.79. Please describe any abnormalities noted				
Maternal Prenatal Imaging and Diagnostics				

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MHH.80.	MHH.83. Overall fetal ultrasound results: ☐ Normal ☐ Abnormal				
Date(s) of	MHH.84. ☐ Reported by patient/healthcare provider ☐ Ultrasound report				
ultrasound(s):	MHH.85. Head circumference (HC)cm			
/	MHH.86. ☐ Normal ☐ Abno	rmal (by physicio	an report)		
□ MHH.81.	MHH.87. Biparietal diameter (B	BPD)cm			
Check if date	MHH.88. Femur length (FL)	cm			
approximated	MHH.89. Abdominal circumference (AC)cm				
	MHH.90. ☐ Symmetric intrauterine growth restriction (IUGR)				
MHH.82. If	☐ Asymmetric IUGR (HC>AC or HC>FL)		
date not known,	MUU 91 Microcophaly	□ No □ Yes	MHH.92. Intracranial	□ No □ Yes	
Gestational	MHH.91. Microcephaly	LINO LITES	calcifications	LINO LITES	
age			MHH.94. Abnormal cortical gyral		
	MHH.93. Cerebral /cortical		patterns (e.g., polymicrogyria,		
(weeks, days)	atrophy	□ No □ Yes	lissencephaly, pachygyria, schizencephaly, gray matter	□ No □ Yes	
			heterotopia)		
	MHH.95. Corpus callosum		MHH.96. Cerebellar		
	abnormalities	□ No □ Yes	abnormalities	□ No □ Yes	
	MHH.97. Porencephaly	□ No □ Yes	MHH.98. Hydranencephaly	☐ No ☐ Yes	
	MHH.99. Moderate or severe		MHH.100. Fetal brain disruption		
	ventriculomegaly /	□ No □ Yes	sequence (collapsed skull,	□ No □ Yes	
	hydrocephaly		overlapping sutures, prominent occipital bone, scalp rugae)		
	MHH.101. Other major brain			† <u> </u>	
	abnormalities	□ No □ Yes	MHH.102. Anencephaly / acrania	□ No □ Yes	
	MHH.103. Encephalocele	□ No □ Yes	MHH.104. Spina bifida	□ No □ Yes	
	MHH.105.		MHH.106. Structural eye		
	Holoprosencephaly /	□ No □ Yes	abnormalities / dysplasia	☐ No ☐ Yes	
	arhinencephaly				
	MHH.107. Arthrogryposis	□ No □ Yes	MHH.108. Clubfoot	□ No □ Yes	
	MHH.109. Hydrops	□ No □ Yes	MHH.110. Ascites		
MHH.111. Other					
MHH.112. Description of abnormal ultrasound findings:					
MHH.113.	NAULI 444 Occupil fotal citizana		l Name al		
Date(s) of	MHH 117 Penorted by patie		Normal		
Ultrasound(s):	MHH.117. ☐ Reported by patient/healthcare provider ☐ Ultrasound report MHH.118. Head circumference (HC)cm				
//					
☐ MHH.114.	MHH.119. ☐ Normal ☐ Abnormal (by physician report) MHH.120. Biparietal diameter (BPD)cm				
check	MHH.121. Femur length (FL)cm				

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if date MHH.122. Abdominal circumference (AC)cm					
approximated	MHH.123. ☐ Symmetric IUGR ☐ Asymmetric IUGR (HC>AC or HC>FL)				
MHH.115.	MHH.124. Microcephaly	□ No □ Yes	MHH.125. Intracranial calcifications	□ No □ Yes	
if date not known, gestational age (weeks, days)	MHH.126. Cerebral / cortical atrophy	□ No □ Yes	MHH.127. Abnormal cortical gyral patterns (e.g., polymicrogyria, lissencephaly, pachygyria, schizencephaly, gray matter heterotopia)	□ No □ Yes	
	MHH.128. Corpus callosum abnormalities	□ No □ Yes	MHH.129. Cerebellar abnormalities	□ No □ Yes	
	MHH.130. Porencephaly	□ No □ Yes	MHH.131. Hydranencephaly	☐ No ☐ Yes	
	MHH.132. Moderate or severe ventriculomegaly / hydrocephaly	□ No □ Yes	MHH.133. Fetal brain disruption sequence (collapsed skull, overlapping sutures, prominent occipital bone, scalp rugae)	□ No □ Yes	
	MHH.134. Other major brain abnormalities	□ No □ Yes	MHH.135. Anencephaly / acrania	□ No □ Yes	
	MHH.136. Encephalocele	□ No □ Yes	MHH.137. Spina bifida	☐ No ☐ Yes	
	MHH.138. Holoprosencephaly / arhinencephaly	□ No □ Yes	MHH.139. Structural eye abnormalities / dysplasia	□ No □ Yes	
	MHH.140. Arthrogryposis	□ No □ Yes	MHH.141. Clubfoot	□ No □ Yes	
	MHH.142. Hydrops	□ No □ Yes	MHH.143. Ascites	☐ No ☐ Yes	
	MHH.144. Other □ No □ Yes If yes, describe:				
MHH.145. Description of abnormal ultrasound findings:					
MHH.146.	MHH.149. Overall fetal ultraso	und results:	l Normal □ Abnormal		
Date(s) of	MHH.150. ☐ Reported by pati	ent/healthcare p	provider 🔲 Ultrasound report		
Ultrasound(s):	MHH 151 Head circumterence (H(1) cm				
/					
☐ MHH.147.	MHH.153. Biparietal diameter (BPD)cm				
check if date MHH.154. Femur length (FL)cm					
approximated	MHH.155.Abdominal circumference (AC) cm				
	MHH.156. ☐ Symmetric IUGR ☐ Asymmetric IUGR (HC>AC or HC>FL)				
MHH.148. if	-	,	MHH.158. Intracranial		
date not	MHH.157. Microcephaly	□ No □ Yes	calcifications	□ No □ Yes	
known, gestational age	MHH.159. Cerebral / cortical	□ No □ Yes	MHH.160. Abnormal cortical	□ No □ Yes	
	atrophy		gyral patterns (e.g.,		
(weeks, days)			polymicrogyria, lissencephaly, pachygyria, schizencephaly, gray		
			matter heterotopia)		

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	MHH.161. Corpus callosum abnormalities	□ No □ Yes	MHH.162. Cerebellar abnormalities	□ No □ Yes
	MHH.163. Porencephaly	□ No □ Yes	MHH.164. Hydranencephaly	□ No □ Yes
	MHH.165. Moderate or severe ventriculomegaly / hydrocephaly	□ No □ Yes	MHH.166. Fetal brain disruption sequence (collapsed skull, overlapping sutures, prominent occipital bone, scalp rugae)	□ No □ Yes
	MHH.167. Other major brain abnormalities	□ No □ Yes	MHH.168. Anencephaly / Acrania	□ No □ Yes
	MHH.169. Encephalocele	□ No □ Yes	MHH.170. Spina bifida	□ No □ Yes
	MHH.171. Holoprosencephaly / arhinencephaly	□ No □ Yes	MHH.172. Structural eye abnormalities / dysplasia	□ No □ Yes
	MHH.173. Arthrogryposis	□ No □ Yes	MHH.174. Clubfoot	□ No □ Yes
	MHH.175. Hydrops	□ No □ Yes	MHH.176. Ascites	☐ No ☐ Yes
	MHH.177. Other	□ No □ Yes	If yes, describe:	
MHH.178. Description of abnormal ultrasound findings:				
**	For additional ultrasounds or M	RIs, please requ	est a supplementary imaging form*	*
MHH.179. Fetal	MRI performed: ☐ No ☐ Y	es (If yes, pleas	se answer questions below)	
MHH.180.	MHH.183. Overall fetal MRI re	sults: 🗆 Norm	nal 🗆 Abnormal	
Date(s) of	MHH.184. ☐ Reported by patie	ent/healthcare p	rovider	
MRI(s):	MHH.185. Head circumference MHH.186. □ Normal □ Abr		cian report)	
☐ MHH.181. check if date is approximated	MHH.187. Biparietal diameter (MHH.188. Femur length (FL)MHH.189. Abdominal circumfe	cm	cm	
арргохинасеа	MHH.190. ☐ Symmetric IUGR		ic IUGR (HC>AC or HC>FL)	
MHH.182. if date not	MHH.191. Microcephaly	□ No □ Yes	MHH.192. Intracranial calcifications	□ No □ Yes
known, gestational age (weeks, days)	MHH.193. Cerebral / cortical atrophy	□ No □ Yes	MHH.194. Abnormal cortical gyral patterns (e.g., polymicrogyria, lissencephaly, pachygyria, schizencephaly, gray matter heterotopia)	□ No □ Yes
	MHH.195. Corpus callosum abnormalities	□ No □ Yes	MHH.196. Cerebellar abnormalities	□ No □ Yes
	MHH.197. Porencephaly	□ No □ Yes	MHH.198. Hydranencephaly	□ No □ Yes
	MHH.199. Moderate or severe ventriculomegaly / hydrocephaly	□ No □ Yes	MHH.200. Fetal brain disruption sequence (collapsed skull, overlapping sutures, prominent	□ No □ Yes

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				occipital bone, scalp ru	ugae)			
	MHH.201. Other major brain abnormalities	n □ No [□ Yes	MHH.202. Anencepha	ly / acrania	□ No □ Yes		
	MHH.203. Encephalocele	□ No □	∃Yes	MHH.204. Spina bifida	1	□ No □ Yes		
	MHH.205.			MUU 206 Structural o	WO			
	Holoprosencephaly /	□ No □	□Yes	MHH.206. Structural eabnormalities / dyspla	•	□ No □ Yes		
	arhinencephaly			abiliorifialities / uyspia	Sia			
	MHH.207. Arthrogryposis	□ No □	∃Yes	MHH.208. Clubfoot		□ No □ Yes		
	MHH.209. Hydrops	□ No □	∃Yes	MHH.210. Ascites		□ No □ Yes		
	MHH.211. Other	□ No □	□Yes	If yes, describe:				
MHH.212. Description of abnormal MRI findings:								
MHH.213. Amnio	ocentesis performed: 🗆 No	☐ Yes						
 If Zika virus testir	g performed on amniotic flui	d, please ent	er in La	boratory Results Form.				
If cytogenetic testing performed on amniotic fluid, please enter below.								
Prenatal (Fetal) Cytogenetic Testing								
MHH.214. Prenatal (fetal) cytogenetic testing performed: ☐ No ☐ Yes (If yes, please answer questions below)								
MHH.215. Cytogenetic Tests ☐ Karyotype ☐ FISH ☐ CGH microarray ☐ Cell-free DNA ☐ Other, specify MHH.216. Date of te ☐ — / — / — / — / — / — / — / — / — / —		ional Age: ks, days) or	☐ Am ☐ Cho (CVS) ☐ Ma	218. Specimen type: niocentesis prionic Villus Sampling ternal Serum ner, specify	MHH.219. Test Result Normal Abnormal Unknown			
MHH.220. Description of abnormal cytogenetic testing findings:								
Prenatal (Fetal) Cytogenetic Testing								
MHH.221. Prenatal (fetal) cytogenetic testing performed: ☐ No ☐ Yes (If yes, please answer questions below)								
MHH.222. Cytoger Karyotype FISH CGH microarray Cell-free DNA Other, specify	//_ MHH.224. Gestat	ional Age: ks, days) or	☐ Am ☐ Cho (CVS) ☐ Ma	225. Specimen type: niocentesis prionic Villus Sampling ternal Serum ner, specify	MHH.226. Te			

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		E 00/21/20:

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MHH.227. Description of abnormal cytogenetic testing findings:						
Health Department Information						
MHH.228. Name of person completing form:						
MHH.229. Phone:	MHH.230. Email:					
MHH.231. Date form completed/						
Internal use only						
Date entered//	Data Entry Notes:					
Data Entry POC Initials:	· ·					
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						

reporting burden or 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).