

Accepted Manuscript



Title: Perinatal Case Fatality Rate Related to Congenital Zika Syndrome in Brazil: a Cross-Sectional Study

Author: Nilson N. Mendes Neto, Jessika Thais da Silva Maia, Marcelo Rodrigues Zacarkim, Igor Queiroz, Angelle Desiree Labeaud, David M. Aronoff

PII: S0887-8994(17)31131-1
DOI: <https://doi.org/10.1016/j.pediatrneurol.2017.11.012>
Reference: PNU 9276

To appear in: *Pediatric Neurology*

Received date: 3-11-2017
Revised date: 10-11-2017
Accepted date: 19-11-2017

Please cite this article as: Nilson N. Mendes Neto, Jessika Thais da Silva Maia, Marcelo Rodrigues Zacarkim, Igor Queiroz, Angelle Desiree Labeaud, David M. Aronoff, Perinatal Case Fatality Rate Related to Congenital Zika Syndrome in Brazil: a Cross-Sectional Study, *Pediatric Neurology* (2017), <https://doi.org/10.1016/j.pediatrneurol.2017.11.012>.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Perinatal Case Fatality Rate Related to Congenital Zika Syndrome in Brazil: A Cross-Sectional Study

Nilson N. Mendes Neto, M.D.^{1,5}, Jessika Thais da Silva Maia, M.D.¹, Marcelo Rodrigues Zacarkim, M.D.², Igor Queiroz, M.D., PhD¹, Angelle Desiree Labeaud, M.D., M.S.³, David M. Aronoff, M.D, FIDS⁴

1: UnP - Laureate International Universities, Brazil
Brazil

2: Harvard Medical School, Boston, USA

3: Department of Pediatrics, Stanford University, Stanford, USA

4: Vanderbilt University Medical Center, Division of Infectious Diseases, Department of Medicine, Nashville, TN

5: Extension Center, University of California, Davis, USA

Corresponding author:

Nilson N. Mendes Neto

Av. Gov. Tarcisio Maia, 1798. Bloco C, Ap. 104

59066035

Natal-RN

Brazil

Email: nmendes@ucdavis.edu

Phone number: +5584999922185 or 310 754 6252

INTRODUCTION

An increased number of newborns with microcephaly were noted in late 2015 in the Northeast of Brazil during the ongoing Zika virus (ZIKV) outbreak [1]. Because Brazil has a high number of cases with central nervous system abnormalities related to ZIKV congenital infection, we assessed the perinatal case fatality rate (PCFR) in congenital zika syndrome (CZS) from April 2015 to April 24, 2017 in the State of Rio Grande do Norte (RGN), a Brazilian Northeast State highly impacted by ZIKV outbreak and endemic for arboviruses. RGN has a population of 3,400,000 inhabitants. Such data will help inform public health policies to measure the impact of ZIKV on human health and to control *Aedes aegypti* mosquito populations.

STUDY DESIGN

Download English Version:

<https://daneshyari.com/en/article/8690433>

Download Persian Version:

<https://daneshyari.com/article/8690433>

[Daneshyari.com](https://daneshyari.com)