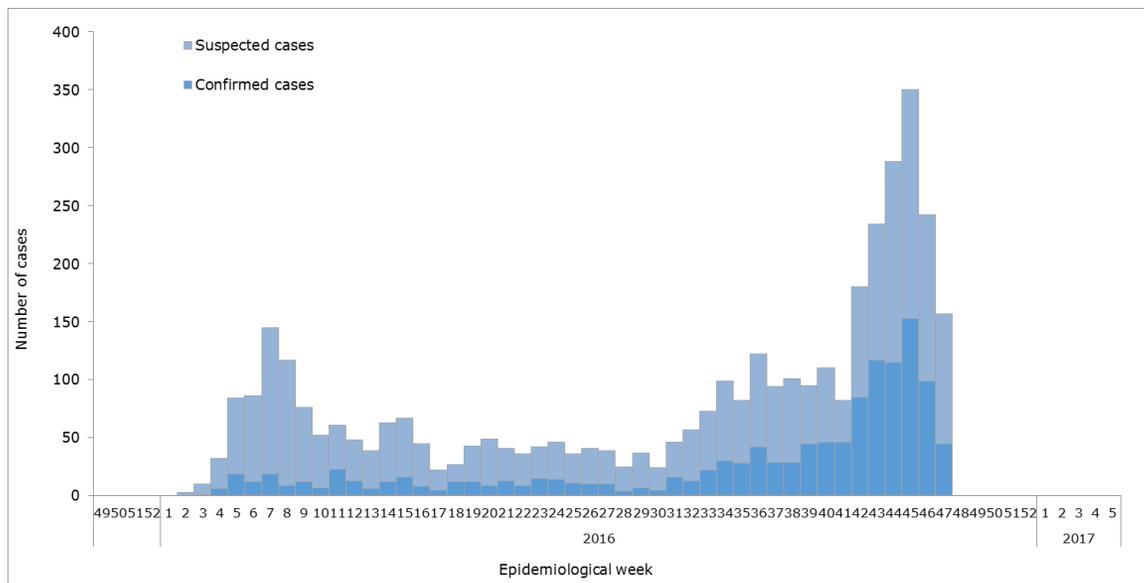


# Zika-Epidemiological Report

## Curacao

2 March 2017

**Figure 1.** Suspected and confirmed Zika virus disease cases. Curacao. EW 48 of 2015 to EW 5 of 2017.



Source: Data provided by the Netherlands IHR NFP <sup>1</sup>

### FIRST AUTOCHTHONOUS VECTOR-BORNE CASES

In epidemiological week (EW) 4 of 2016, the Netherlands International Health Regulations (IHR) National Focal Point (NFP) informed PAHO/WHO of the detection of the first autochthonous vector-borne cases of Zika.

### GEOGRAPHIC DISTRIBUTION

No information is available on the geographic distribution of cases.

### TREND

Following the first reported case in EW 2 of 2016, an increase in cases was observed, with a first peak occurring in EW 7 (145 cases) (**Figure 1**).<sup>1</sup> Subsequently, a steady number of cases was reported until EW 30, after which a second major increase in cases was observed. During EW 45, the highest incidence was registered, with 350 reported cases. A weekly average of 205 cases was reported in the last eight weeks for which information is available (EW 40 to EW 47 of 2016).

<sup>1</sup> Reported to PAHO/WHO by the Netherlands IHR NFP on 13 February 2017.

## CIRCULATION OF OTHER ARBOVIRUSES

During the past decades, dengue has been reported in Curacao. Between 2010 and 2011, there were 1,822 confirmed cases and four deaths reported.<sup>2</sup>

Between late 2014 and early 2015, there was a major epidemic of chikungunya in Curacao.<sup>3</sup> No epidemiological curves are available for dengue and chikungunya in Curacao.

## ZIKA VIRUS DISEASE IN PREGNANT WOMEN

As of EW 44 of 2016, the Netherlands Ministry of Health, Welfare and Sport had reported 30 cases of Zika virus infection in pregnant women in Curacao.<sup>4</sup>

## ZIKA COMPLICATIONS

### ZIKA-VIRUS-ASSOCIATED GUILLAIN-BARRÉ SYNDROME (GBS)

As of EW 47 of 2016, the Netherlands IHR NFP has reported three confirmed cases of Zika-virus-associated Guillain-Barré syndrome (GBS).<sup>1</sup>

### CONGENITAL SYNDROME ASSOCIATED WITH ZIKA VIRUS INFECTION

As of EW 5 of 2017, no cases of congenital syndrome associated with Zika virus infection have been reported by Curacao health authorities.

### DEATHS AMONG ZIKA CASES

As of EW 5 of 2017, no deaths among Zika virus cases have been reported by Curacao health authorities.

## NATIONAL ZIKA SURVEILLANCE GUIDELINES

No information is available on guidelines for Zika virus surveillance.

## INFORMATION SHARING

Information on Zika virus in Curacao is provided by the Netherlands IHR NFP and shared with PAHO/WHO. At the time of this report, the latest information available received from the Netherlands IHR NFP was from EW 47 of 2016.

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<sup>2</sup> Fleur M. Moesker, Fred D. Muskiet, Jeanne J. Koeijers, Pieter L. A. Fraaij, Isaac Gerstenbluth, Eric C. M. van Gorp, Albert D. M. E. Osterhaus PLoS Negl Trop Dis. 2013 August; 7(8): e2203. Published online 2013 August 8. doi: 10.1371/journal.pntd.0002203

<sup>3</sup> The Netherlands National Institute for Public Health and Environment. Ministry of Health, Welfare and Sport. Chikungunya. Available at: <http://www.rivm.nl/Onderwerpen/C/Chikungunya>

<sup>4</sup> The Netherlands National Institute for Public Health and Environment. Ministry of Health, Welfare and Sport. Surveillance Overview Zika virus (ZIKV), dengue and chikungunya in European and Caribbean Netherlands and the Overseas Empire Line. EW 44 of 2016. Available at: <http://www.rivm.nl/dsresource?objectid=196dd9bf-90e2-4563-8f18-d4ac251c33c4&type=pdf&disposition=inline>