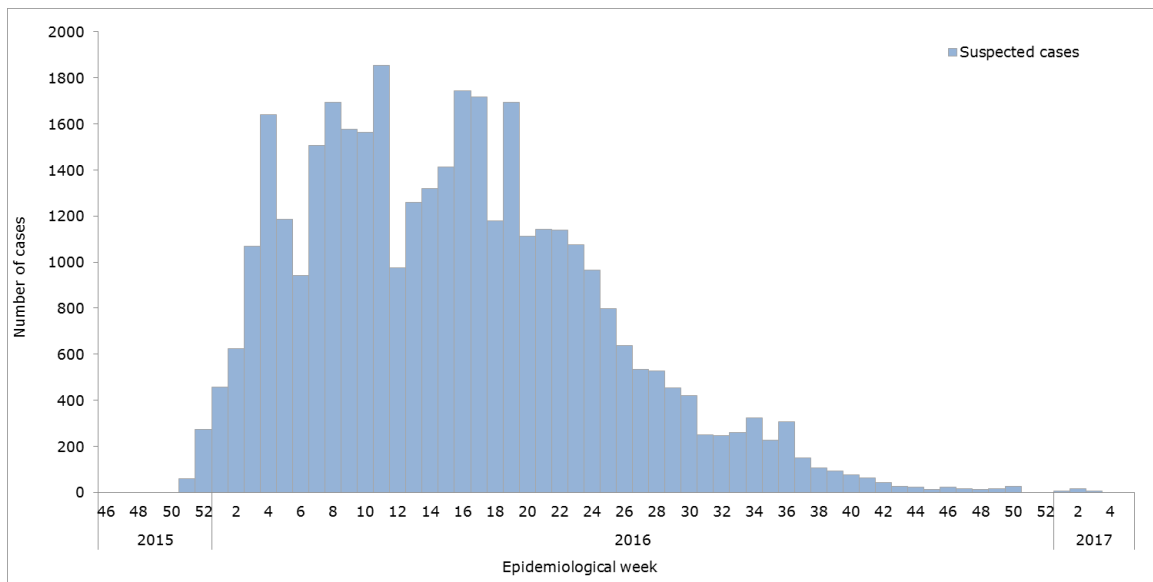


# Zika-Epidemiological Report Martinique

2 March 2017

**Figure 1.** Suspected Zika cases by epidemiological week (EW). Martinique. EW 46 of 2015 to EW 5 of 2017.



Source: Data published by the Cire Antilles Guyane and reproduced by PAHO/WHO

## FIRST AUTOCHTHONOUS VECTOR-BORNE CASES

In epidemiological week (EW) 51 of 2015, the France International Health Regulations (IHR) National Focal Point (NFP) notified PAHO/WHO of the detection of the first two autochthonous vector-borne cases of Zika virus in Martinique.

Martinique health authorities declared that the outbreak ended in Martinique in EW 41 of 2016.<sup>1</sup>

## GEOGRAPHIC DISTRIBUTION

As of EW 3 of 2017, all communes of Martinique have reported Zika cases.<sup>2</sup>

<sup>1</sup> Cire Antilles Guyane. Zika virus surveillance in the Antilles Guyane - epidemiological situation. EW 46 of 2016. Available at: <http://invs.santepubliquefrance.fr/fr/Publications-et-outils/Points-epidemiologiques/Tous-les-numeros/Antilles-Guyane/2016/Situation-epidemiologique-du-virus-Zika-aux-Antilles-Guyane.-Point-au-24-novembre-2016>

<sup>2</sup> Weekly numbers of Zika cases are estimated based on epidemiological surveillance for clinically suggestive cases reported by sentinel physicians: Cire Antilles Guyane. Zika virus surveillance in the Antilles Guyane - epidemiological situation. EW 3 of 2017. Available at: <http://invs.santepubliquefrance.fr/fr/Publications-et-outils/Points-epidemiologiques/Tous-les-numeros/Antilles/2017/Situation-epidemiologique-du-virus-Zika-aux-Antilles-et-en-Guyane.-Point-au-30-janvier-2017>

## TREND

Between EW 52 of 2016 and EW 3 of 2017, a decrease in Zika cases has been observed in all communes of Martinique (**Figure 1**).<sup>2</sup>

## CIRCULATION OF OTHER ARBOVIRUSES

Between EW 50 of 2016 and EW 6 of 2017, 80 suspected dengue cases were reported.<sup>3</sup> Throughout this period, the number of suspected dengue cases remained below the epidemic threshold level.

Between EW 50 of 2016 and EW 6 of 2017, 16 suspected and eight probable cases of chikungunya were reported.<sup>3</sup>

## ZIKA VIRUS DISEASE IN PREGNANT WOMEN

As of EW 3 of 2017, 649 pregnant women with laboratory-confirmed Zika virus infection have been reported by Martinique health authorities. Some women have completed their pregnancy.<sup>2</sup>

## ZIKA COMPLICATIONS

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

As of EW 3 of 2017, Martinique health authorities have reported 29 patients with Guillain-Barré syndrome (GBS) in whom Zika virus infection was laboratory-confirmed.<sup>2</sup> Five other patients with severe neurological syndromes have tested positive for Zika. The death of a GBS patient with confirmed Zika virus infection has also been reported.<sup>4</sup>

### CONGENITAL SYNDROME ASSOCIATED WITH ZIKA VIRUS INFECTION

As of EW 3 of 2017, eight cases of congenital microcephaly and 10 cases of other cerebral malformations detected by ultrasound in pregnant women with confirmed Zika virus infection have been reported by Martinique health authorities.<sup>2</sup> One CNS malformation was detected in a newborn from a mother with confirmed Zika virus infection.

### DEATHS AMONG ZIKA CASES

As of EW 3 of 2017, the death of a GBS patient with laboratory-confirmed Zika virus infection has been reported by Martinique health authorities (mentioned above).

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<sup>3</sup> Weekly numbers of dengue and chikungunya cases are estimated based on epidemiological surveillance for clinically suggestive cases reported by sentinel physicians. Cire Antilles Guyane. Arboviruses – dengue and chikungunya situation in the Antilles. EW 6 of 2017. Available at:

[http://invs.santepubliquefrance.fr/fr/content/download/134527/483091/version/143/file/pe\\_arbo\\_antilles\\_170217.pdf](http://invs.santepubliquefrance.fr/fr/content/download/134527/483091/version/143/file/pe_arbo_antilles_170217.pdf)

<sup>4</sup> Cire Antilles Guyane. Zika virus surveillance in the Antilles Guyane - epidemiological situation. EW 50 of 2016. Available at: <http://invs.santepubliquefrance.fr/fr/Publications-et-outils/Points-epidemiologiques/Tous-les-numeros/Antilles/2016/Situation-epidemiologique-du-virus-Zika-aux-Antilles.-Point-au-22-decembre-2016>

## NATIONAL ZIKA SURVEILLANCE GUIDELINES

The Cire Antilles Guyane has implemented a “surveillance program, alert and management of epidemics” with an integrated preparedness and response plan for vector-borne diseases. More information is available at:

<http://www.invs.sante.fr/Dossiers-thematiques/Maladies-infectieuses/Maladies-a-transmission-vectorielle/Zika/Le-systeme-de-surveillance>

## INFORMATION-SHARING

The Cire Antilles Guyane publishes a weekly epidemiological bulletin on Zika virus. At the time of this report, the latest Regional Health Agency epidemiological bulletin was from EW 3 of 2017.