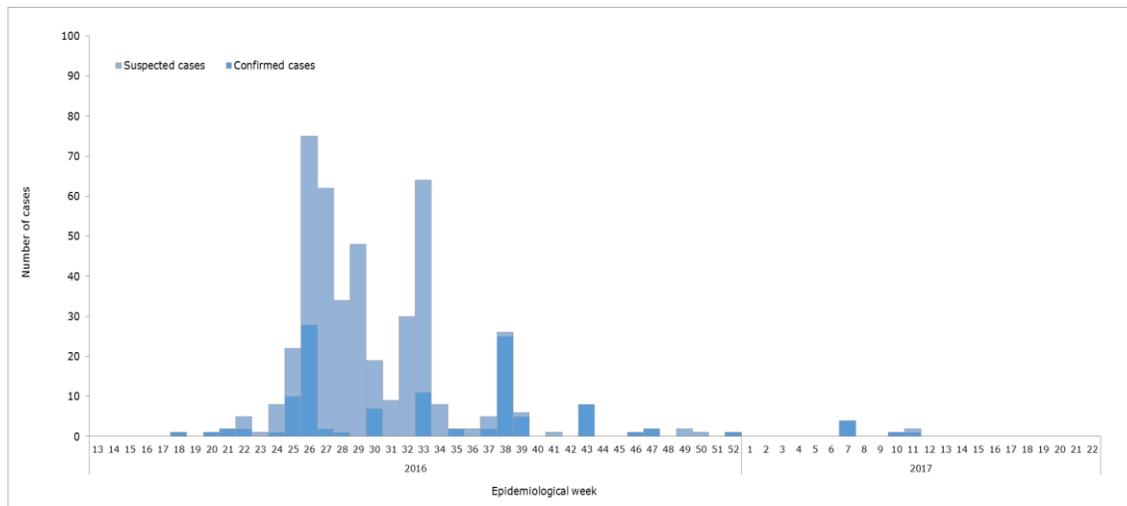


# Zika-Epidemiological Report Grenada

28 June 2017

**Figure 1.** Suspected and confirmed Zika cases by epidemiological week (EW). Grenada. EW 13 of 2016 to EW 22 of 2017.



Source: Data provided by the Grenada Ministry of Health to PAHO/WHO<sup>1</sup>

## FIRST AUTOCHTHONOUS VECTOR-BORNE CASES

In epidemiological week (EW) 18 of 2016, the Grenada International Health Regulations (IHR) National Focal Point (NFP) notified PAHO/WHO of the detection of the first confirmed case of autochthonous vector-borne transmission of Zika virus.

## GEOGRAPHIC DISTRIBUTION

No information is available on the geographic distribution of cases.

## TREND

Most of the cases were detected between EW 26 and EW 33 of 2016. Since then, a relatively low number of cases have been reported (**Figure 1**).<sup>1</sup> As of EW 20 of 2017, seven suspected cases of Zika, including 6 laboratory-confirmed cases were reported.

## CIRCULATION OF OTHER ARBOVIRUSES

As of EW 16 of 2017, a total of 37 laboratory-confirmed dengue cases (33 cases per 100,000 population) were reported.<sup>2</sup> This figure is higher than the total number of laboratory-confirmed cases reported in all of 2015 (n=25) and close to the total number reported in 2014 (n=39). In

<sup>1</sup> Reported to PAHO/WHO by the Grenada IHR NFP on 24 May 2017.

2016, 151 probable dengue cases (136 cases per 100,000), including 76 laboratory-confirmed cases, were reported up to EW 48.<sup>2</sup>

With regard to chikungunya, 103 suspected cases (93 cases per 100,000) were reported up to EW 20 of 2016.<sup>3</sup> In 2014, 3,070 suspected and 26 laboratory-confirmed cases (2,815 cases per 100,000) were registered up to EW 46. No data is available yet for 2017.

## ZIKA VIRUS DISEASE IN PREGNANT WOMEN

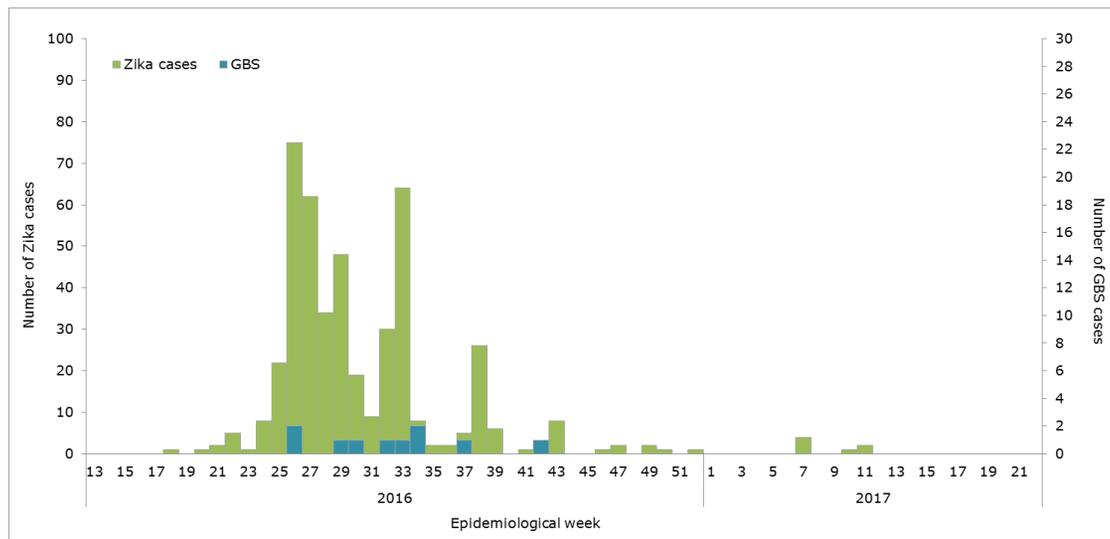
As of EW 22 of 2017, Grenada health authorities have not reported Zika virus infection in pregnant women.<sup>1</sup> On EW 5 of 2016, the Ministry of Health of Grenada took steps to test Zika virus in pregnant women.<sup>4</sup>

## ZIKA COMPLICATIONS

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

As of EW 20 of 2017, ten cases of Guillain-Barré syndrome (GBS), including one death, have been identified by Grenada health authorities (**Figure 2**).<sup>1</sup> Three cases have been laboratory-confirmed for Zika virus infection.<sup>5</sup> In addition, 6 cases of other neurological syndromes including three that have been laboratory-confirmed for Zika virus infection were reported up to EW 20 of 2017.

**Figure 2.** Zika and GBS cases by EW. Grenada. EW 13 of 2016 to EW 22 of 2017.



Source: Data provided by the Grenada Ministry of Health to PAHO/WHO<sup>1</sup>

<sup>2</sup> PAHO/WHO. Data, Maps and Statistics. Number of reported cases of Dengue and Severe Dengue (SD) in the Americas. Available at: [http://www.paho.org/hq/index.php?option=com\\_topics&view=rdmore&cid=6290&Itemid=40734](http://www.paho.org/hq/index.php?option=com_topics&view=rdmore&cid=6290&Itemid=40734)

<sup>3</sup> PAHO/WHO. Chikungunya: Statistic Data. Number of reported cases of Chikungunya Fever in the Americas. Available at: [http://www.paho.org/hq/index.php?option=com\\_topics&view=readall&cid=5927&Itemid=40931&lang=en](http://www.paho.org/hq/index.php?option=com_topics&view=readall&cid=5927&Itemid=40931&lang=en)

<sup>4</sup> Grenada Ministry of Health. News Release. EW 5 of 2016. Available at: [http://health.gov.gd/index.php?option=com\\_content&view=article&id=413:grenada-government-giving-pregnant-women-priority&catid=83:latest-news&Itemid=909&lang=en](http://health.gov.gd/index.php?option=com_content&view=article&id=413:grenada-government-giving-pregnant-women-priority&catid=83:latest-news&Itemid=909&lang=en)

<sup>5</sup> Grenada Ministry of Health. News Release. EW 6 of 2016. Available at: [http://health.gov.gd/index.php?option=com\\_content&view=article&id=434:nine-confirmed-zika-cases-in-grenada&catid=83:latest-news&Itemid=932&lang=en](http://health.gov.gd/index.php?option=com_content&view=article&id=434:nine-confirmed-zika-cases-in-grenada&catid=83:latest-news&Itemid=932&lang=en)

## **CONGENITAL SYNDROME ASSOCIATED WITH ZIKA VIRUS INFECTION**

As of EW 20 of 2017, two cases of congenital syndrome associated with Zika virus infection has been reported by Grenada health authorities.<sup>1</sup>

## **DEATHS AMONG ZIKA CASES**

As of EW 22 of 2017, no deaths among Zika cases have been reported by Grenada health authorities.<sup>1</sup>

## **NATIONAL ZIKA SURVEILLANCE GUIDELINES**

No information is available on the national guidelines for Zika virus surveillance.

## **LABORATORY CAPACITY**

Grenada sends samples from suspected cases of Zika virus disease to the Caribbean Public Health Agency (CARPHA) for molecular confirmation (real-time RT-PCR).

## **INFORMATION-SHARING**

At the time of this report, the latest available Zika information shared by the Grenada Ministry of Health was from EW 20 of 2017.