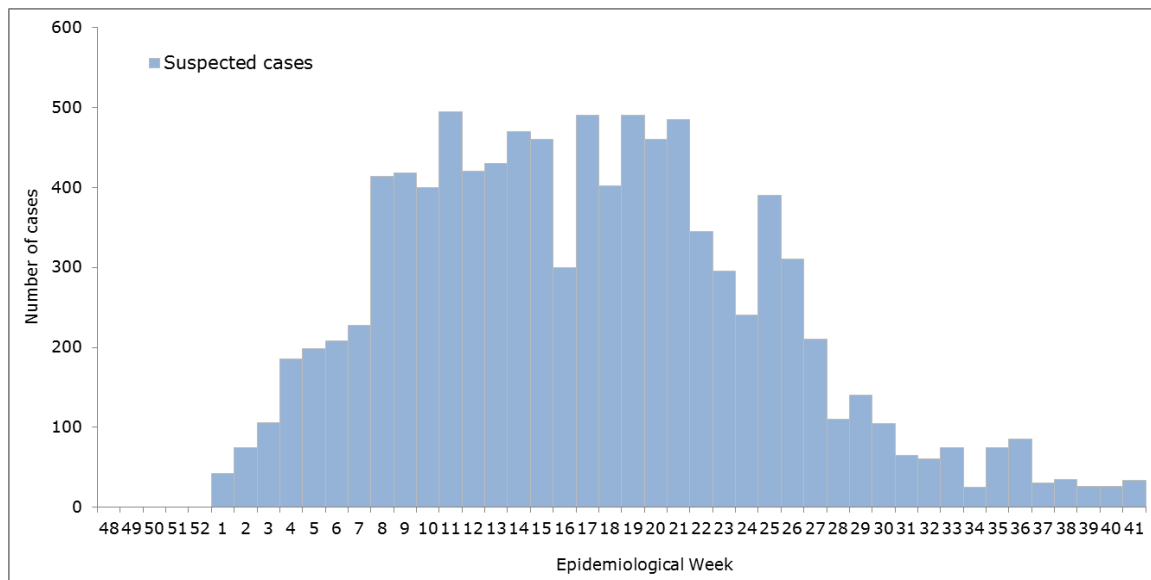


Zika-Epidemiological Report French Guiana

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Figure 1. Suspected Zika cases by epidemiological week (EW). French Guiana. EW 48 of 2015 to EW 41 of 2016.



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 case of autochthonous vector-borne transmission of Zika virus in French Guiana.

French Guiana health authorities declared that the Zika outbreak ended in French Guiana in EW 37.¹

GEOGRAPHIC DISTRIBUTION

Between EW 43 and EW 46 of 2016, seven laboratory-confirmed cases were detected in the communes of Rémire–Montjoly (4), Cayenne (2), and Matoury (1).²

¹ 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>

² 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 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>

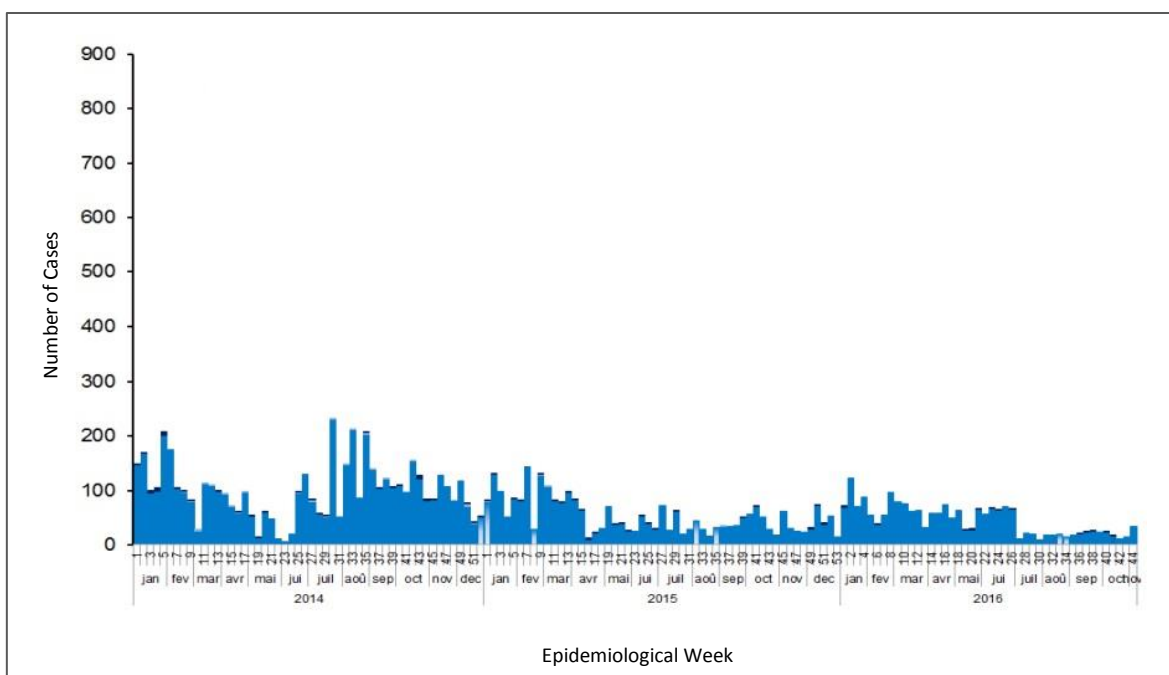
TREND

Since the emergence of Zika virus and the end of the outbreak, 9,700 suspected cases were reported in French Guiana (**Figure 1**). The majority of the cases were detected between EW 8 and EW 25 of 2016, when peaks of over 450 weekly cases were reached.

CIRCULATION OF OTHER ARBOVIRUSES

Between EW 36 and EW 44 of 2016, the number of suspected dengue cases remained at the level expected for this time of the year (inter-epidemic period) (**Figure 2**).³ A total of 210 suspected cases were reported during this period. In 2014, a higher number of suspected cases were reported compared to 2015 and 2016.

Figure 2. Suspected dengue cases by EW. French Guiana. EW 1 of 2014 to EW 44 of 2016.



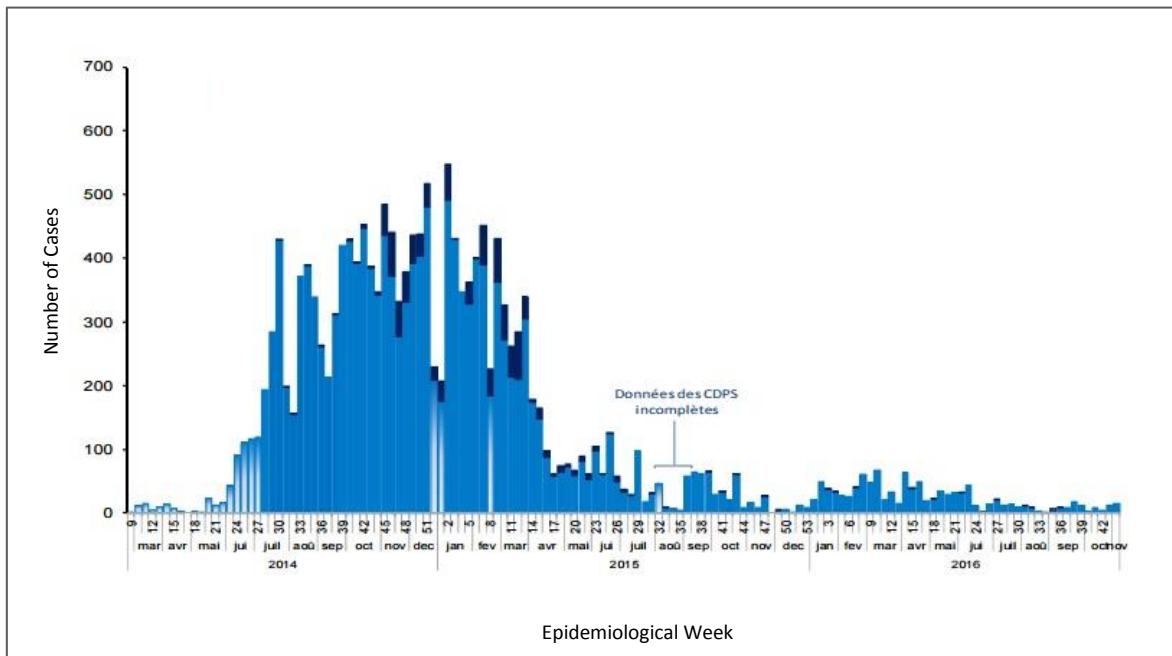
Source: Data published by the Cire Antilles Guyane and reproduced by PAHO/WHO

Between July of 2014 and March of 2015, there was a large outbreak of chikungunya (**Figure 3**). During 2016, the number of reported chikungunya cases remained stable and low, with a total of 95 cases reported between EW 36 and EW 44 of 2016.⁴

³ Weekly numbers of dengue cases are estimated based on epidemiological surveillance for clinically suggestive cases reported by sentinel physicians. Cire Antilles Guyane. Dengue surveillance - French Guiana. EW 44 of 2016. Available at: <http://invs.santepubliquefrance.fr/fr/Publications-et-outils/Points-epidemiologiques/Tous-les-numeros/Antilles-Guyane/2016/Situation-epidemiologique-de-la-dengue-en-Guyane.-Point-au-10-novembre-2016>

⁴ Weekly numbers of chikungunya cases are estimated based on epidemiological surveillance for clinically suggestive cases reported by sentinel physicians. Cire Antilles Guyane. Chikungunya surveillance - French Guiana. EW 44 of 2016. Available at: <http://invs.santepubliquefrance.fr/fr/Publications-et-outils/Points-epidemiologiques/Tous-les-numeros/Antilles-Guyane/2016/Situation-epidemiologique-du-chikungunya-en-Guyane.-Point-au-10-novembre-2016>

Figure 2. Suspected chikungunya cases by EW. French Guiana. EW 1 of 2014 to EW 44 of 2016.



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

ZIKA VIRUS DISEASE IN PREGNANT WOMEN

Since the beginning of the outbreak up to EW 46 of 2016, 1,301 pregnant women with laboratory-confirmed Zika virus infection have been reported by French Guiana health authorities.¹

ZIKA COMPLICATIONS

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

As of EW 46 of 2016, five cases of Guillain-Barré syndrome (GBS) and three cases of other severe neurological syndromes have been laboratory-confirmed with Zika virus infection by French Guiana health authorities.¹

CONGENITAL SYNDROME ASSOCIATED WITH ZIKA VIRUS INFECTION

As of EW 44 of 2016, a total of 14 cases of cerebral malformations, including three cases of microcephaly, were detected among fetuses of Zika-positive mothers by French Guiana health authorities.⁵¹

DEATHS AMONG ZIKA CASES

As of EW 49 of 2016, no deaths among Zika cases were reported by French Guiana health authorities.¹

⁵ Cire Antilles Guyane. Zika virus surveillance in the Antilles Guyane - epidemiological situation. EW 44 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-10-novembre-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 46 of 2016.