

## Zika cases and congenital syndrome associated with Zika virus reported by countries and territories in the Americas, 2015 - 2016

### Cumulative cases

Data as of 9 November 2016 3:00 PM EST

Country/Territory	Autochthonous cases <sup>a</sup>		Imported cases	Incidence Rate <sup>b</sup>	Deaths among Zika cases <sup>c</sup>	Confirmed congenital syndrome associated with Zika virus infection <sup>d</sup>	Population X 1000 <sup>e</sup>
	Suspected	Confirmed					
<b>North America</b>							
Bermuda	0	0	5	0.00	0	0	71
Canada	0	0	359	0.00	0	1	36,286
United States of America <sup>f</sup>	0	140	3,988	0.04	0	30	324,119
<b>Subtotal</b>	<b>0</b>	<b>140</b>	<b>4,352</b>	<b>0.04</b>	<b>0</b>	<b>31</b>	<b>360,476</b>
<b>Latin America and the Caribbean</b>							
<b>Latin America</b>							
Mexico	0	6,094	15	4.74	0	0	128,632
<b>Central American Ishtmus</b>							
Belize	537	49	0	159.67	0	0	367
Costa Rica	2,518	1,375	32	80.15	0	1	4,857
El Salvador <sup>g</sup>	11,321	51	0	185.03	0	4	6,146
Guatemala <sup>h</sup>	2,785	466	0	19.50	0	15	16,673
Honduras	31,719	285	0	390.77	0	1	8,190
Nicaragua	0	2,033	3	33.06	0	0	6,150
Panama <sup>i</sup>	2,000	508	42	62.86	0	5	3,990
<b>Subtotal</b>	<b>50,880</b>	<b>4,767</b>	<b>77</b>	<b>120.00</b>	<b>0</b>	<b>26</b>	<b>46,373</b>
<b>Latin Caribbean</b>							
Cuba	0	3	30	0.03	0	0	11,393
Dominican Republic <sup>j</sup>	4,884	328	0	48.94	0	10	10,649
French Guiana <sup>k</sup>	9,940	483	10	3776.45	0	10	276
Guadeloupe <sup>l</sup>	30,775	379	0	6614.44	0	0	471
Haiti	2,955	5	0	27.29	0	1	10,848
Martinique <sup>m</sup>	36,590	12	0	9242.93	0	12	396
Puerto Rico	0	32,730	1	889.16	5	3	3,681
Saint Barthelemy <sup>n</sup>	820	61	0	9788.89	0	0	9
Saint Martin <sup>o</sup>	2,670	200	0	7972.22	0	0	36
<b>Subtotal</b>	<b>88,634</b>	<b>34,201</b>	<b>41</b>	<b>325.31</b>	<b>5</b>	<b>36</b>	<b>37,759</b>
<b>Andean Area</b>							
Bolivia (Plurinational State of)	718	129	4	7.78	0	3	10,888
Colombia	96,259	8,826	0	215.98	0	57	48,654
Ecuador <sup>p</sup>	2,722	806	15	21.53	0	0	16,385
Peru	0	124	17	0.40	0	0	31,374
Venezuela (Bolivarian Republic of) <sup>q</sup>	58,758	2,244	0	193.54	0	0	31,519
<b>Subtotal</b>	<b>158,457</b>	<b>12,129</b>	<b>36</b>	<b>122.88</b>	<b>0</b>	<b>60</b>	<b>138,820</b>
Brazil <sup>r</sup>	200,465	109,596	0	147.95	6	2,106	209,568
<b>Southern Cone</b>							
Argentina	1,821	26	27	4.21	0	0	43,847
Chile	0	0	29	0.00	0	0	18,132
Paraguay	546	12	0	8.30	0	2	6,725
Uruguay	0	0	1	0.00	0	0	344
<b>Subtotal</b>	<b>2,367</b>	<b>38</b>	<b>57</b>	<b>3.48</b>	<b>0</b>	<b>2</b>	<b>69,048</b>
<b>Non-Latin Caribbean</b>							
Anguilla	38	5	1	252.94	0	0	17
Antigua and Barbuda	393	14	2	432.98	0	0	94
Aruba	614	28	7	563.16	0	0	114
Bahamas	0	16	2	4.07	0	0	393
Barbados	625	30	0	225.09	0	0	291
Bonaire, St Eustatius and Saba <sup>s</sup>	0	85	0	340.00	0	0	25
Cayman Islands	201	29	10	403.51	0	0	57
Curacao	0	322	0	216.11	0	0	149
Dominica	1,150	79	0	1660.81	0	0	74
Grenada <sup>t</sup>	314	108	0	380.18	0	1	111
Guyana	0	6	0	0.78	0	0	771
Jamaica	6,449	122	0	234.43	0	0	2,803
Montserrat	0	2	0	40.00	0	0	5
Saint Kitts and Nevis	516	26	0	1042.31	0	0	52
Saint Lucia	822	50	0	531.71	0	0	164
Saint Vincent and the Grenadines	156	38	0	190.20	0	0	102
Sint Maarten (Dutch part) <sup>u</sup>	168	62	0	560.98	0	0	41
Suriname	2,751	723	0	633.94	4	2	548
Trinidad and Tobago	0	643	1	47.11	0	1	1,365
Turks and Caicos Islands	115	12	3	249.02	0	0	51
Virgin Islands (UK)	51	38	0	261.76	0	0	34
Virgin Islands (US)	803	462	0	1228.16	0	0	103
<b>Subtotal</b>	<b>15,166</b>	<b>2,900</b>	<b>26</b>	<b>245.33</b>	<b>4</b>	<b>4</b>	<b>7,364</b>
<b>TOTAL</b>	<b>515,969</b>	<b>169,865</b>	<b>4,604</b>	<b>68.72</b>	<b>15</b>	<b>2,265</b>	<b>998,040</b>

**SOURCE:** Cases reported by the IHR National Focal Points to the WHO IHR Regional Contact Point for the Americas and through the Ministry of Health websites, 2016

**NOTES:** Data is shared in an effort to transparently disseminate available information reported by Member States. Any subsequent interpretation and analysis of this data should consider differences in surveillance systems and reporting requirements. Information may change as Member States review and integrate retrospective data.

<sup>a</sup> PAHO/WHO Case definitions for suspected and confirmed Zika cases is available at: [http://www.paho.org/hq/index.php?option=com\\_content&view=article&id=11117&Itemid=41532&lang=en](http://www.paho.org/hq/index.php?option=com_content&view=article&id=11117&Itemid=41532&lang=en)

<sup>b</sup> Incidence rate (autochthonous suspected + autochthonous confirmed) / 100,000 pop.

<sup>c</sup> Deaths among Zika cases do not include deaths related to Guillain-Barré syndrome (GBS) or congenital malformations associated with Zika virus infection. As of 12 May 2016, previously reported deaths related to GBS were removed from this total.

<sup>d</sup> Confirmed congenital syndrome associated with Zika virus infection case definition: Live newborn who meets the criteria for a suspected case of congenital syndrome associated with Zika virus AND Zika virus infection was detected in specimens of the newborn, regardless of detection of other pathogens. Case definitions for congenital syndrome associated with Zika virus infection is available at: [http://www.paho.org/hq/index.php?option=com\\_content&view=article&id=11117&Itemid=41532&lang=en](http://www.paho.org/hq/index.php?option=com_content&view=article&id=11117&Itemid=41532&lang=en)

<sup>e</sup> Population Division of the Department of Economic and Social Affairs of the United Nations Secretariat, World Population Prospects: The 2015 Revision, <http://esa.un.org/unpd/wpp/index.htm>, July 2015. Processed and revised by PAHO. Core Basic Indicators 2016. <http://www.paho.org/data/index.php/en/indicators/demographics-core/106-cat-data-en.html> Accessed on August 16, 2016.

<sup>f</sup> International Programs Center, Population Division, U.S. Census Bureau, IDB Release Date: December 2013. <http://www.paho.org/data/index.php/en/indicators/demographics-core/106-cat-data-en.html> Accessed on August 16, 2016.

<sup>g</sup> Population source for Saint Barthelemy and Saint Martin available at: Populations légales 2011 des collectivités d'outre-mer <http://www.insee.fr/fr/ppp/bases-de-donnees/recensement/populations-legales/france-departements.asp?annee=2011#com> Accessed on August 16, 2016.

<sup>h</sup> Population source for Bonaire, Sint Eustatius and Saba available at: Caribisch Nederland; bevolkingontwikkeling, geboorte, sterfte, migratie - 12 augustus 2015 <http://statline.cbs.nl/StatWeb/publication/?DM=SLNL&PA=80539ned&D1=0-1.9-10&D2=a&D3=a&HDR=T&STB=G1,G2&CHARTYPE=1&VW=T> Accessed on August 16, 2016.

<sup>i</sup> Confirmed cases in the United States of America includes one laboratory acquired case. Available at: <http://www.cdc.gov/zika/geo/united-states.html>

<sup>j</sup> After retrospective review, laboratory-confirmed cases was adjusted by the El Salvador IHR National Focal Point as of 25 August 2016.

<sup>k</sup> On 24 October, the Guatemala IHR National Focal Point provided an update indicating that there were 15 laboratory-confirmed cases of microcephaly associated with Zika virus infection. They have explained that the retraction of two cases is due to an erroneous information posted by the Ministry of Health were two of the mothers who tested positive for Zika virus had been included in the total count; but no samples were obtained of the two infants with microcephaly. For this reason, the total was changed by Guatemala to 15.

<sup>l</sup> After retrospective review, laboratory-confirmed cases were re-classified as imported cases by the Panama Ministry of Health as of 25 August 2016.

<sup>m</sup> As of 6 October, suspected Zika cases were adjusted by the Dominican Republic Ministry of Public Health after retrospective review.

<sup>n</sup> Per the Cite Antilles Guyane Bulletin the epidemiological situation is classified in four level phases: Level 1 absence of autochthonous circulation; Level 2 initial autochthonous transmission; Level 3 epidemic; Level 4 end of epidemic and results. In the instance that a territory reaches Level 3, the data on all confirmed cases is no longer included in the epidemiological bulletin. Martinique was classified as Level 3 since 20 January 2016. Parts of French Guiana were classified as Level 3 on 22 January 2016 and 1 April 2016. Guadeloupe was classified as Level 3 since 28 April 2016.

<sup>o</sup> After retrospective review by Ecuador Ministry of Public Health, only laboratory-confirmed cases were included in the confirmed Zika cases for Ecuador; previously reported non-laboratory-confirmed cases were included in the suspected Zika cases as of 18 August; imported Zika cases was lowered as of 25 August; suspected Zika cases was lowered as of 8 September; suspected and imported cases were lowered as of 6 October; and imported and suspected Zika cases were adjusted as of 20 October.

<sup>p</sup> After retrospective review, laboratory-confirmed cases was adjusted by the Venezuela (Bolivarian Republic of) IHR National Focal Point as of 25 August 2016.

<sup>q</sup> Brazil Ministry of Health case definition for confirmed cases of congenital syndrome associated with Zika virus infection includes confirmed and probable cases per PAHO's case definition. As of EW 37 of 2016, 321 cases were confirmed for Zika virus by laboratory criteria. Information on Suspected and confirmed Zika cases is available at: <http://portalsaude.saude.gov.br/images/pdf/2016/09/16/2016-028-Dengue-SE32.pdf>

<sup>r</sup> The data provided herein is the sum of cases reported for Bonaire (60), Sint Eustatius (16) and Saba (9).

<sup>s</sup> After retrospective review, suspected cases were adjusted by the Grenada Ministry of Health as of 13 October 2016

<sup>t</sup> Per information shared by the Netherlands IHR NFP to PAHO/WHO, the confirmed Zika cases was adjusted for Sint Maarten.

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