



**TABLE 1.** Distribution of confirmed measles<sup>a</sup> cases, incidence rate and weeks from the last confirmed case, by Federative Unit of residence, epidemiological week 23 to 34, 2019, Brazil

Federative Units	Confirmed		Total municipalities	Incidence Rate /100,000 pop. <sup>b</sup>	Number of weeks from the last confirmed case
	N	%			
São Paulo	2,299	98.6	66	8.0	1
Rio de Janeiro	12	0.51	5	0.2	2
Pernambuco	5	0.21	3	0.3	5
Santa Catarina	4	0.17	2	0.9	2
Distrito Federal	3	0.13	3	0.1	3
Goiás <sup>c</sup>	1	0.04	1	-	6
Paraná	1	0.04	1	2.5	4
Maranhão	1	0.04	1	3.2	4
Rio Grande do Norte	1	0.04	1	0.1	5
Espírito Santo	1	0.04	1	0.3	4
Bahia	1	0.04	1	0.04	8
Sergipe	1	0.04	1	1.5	9
Piauí <sup>c</sup>	1	0.04	1	-	4
<b>Total</b>	<b>2,331</b>	<b>100</b>	<b>87</b>	<b>5</b>	<b>-</b>

Source: Secretarias de Saúde das Unidades da Federação.  
 (a) Data updated on 27/08/2019 and subject to modifications.  
 (b) By population of the municipalities of the residence of the cases.  
 (c) Goiás and Piauí each notified a case. However, the infection of that case happened in another Federation Unit (UF), therefore, there is no active transmission of cases in those UFs.

**TABLE 2.** Distribution of confirmed measles cases and incidence rates of the Federative Units with measles cases, by age group, epidemiological weeks 23 to 34, 2019<sup>a</sup>, Brazil

Age Group (in years)	Population (millions)	Number of cases	%	Incidence Rate (/100,000 pop.)
<1	2.9	296	13.7	46
1 a 4	11.0	269	12.4	12
5 a 9	14.9	53	2.4	2
10 a 14	15.9	38	1.8	1
15 a 19	16.9	291	13.4	8
20 a 29	33.0	753	34.8	10
30 a 39	34.0	307	14.2	4
40 a 49	28.0	94	4.3	2
≥50	50.8	64	3.0	1
<b>Total</b>	<b>210</b>	<b>2,165</b>	<b>100</b>	<b>5</b>

Source: Secretaria de Vigilância em Saúde (SVS/MS).  
 (a) Data updated on 27/08/2019 and subject to modifications.  
 \* 166 cases from the state of São Paulo missing data on age.

Source: Boletim Epidemiológico 19, Secretarias de Saúde das Unidades da Federação, Secretaria de Vigilância em Saúde, Ministério da Saúde Volume 50 | Ago. 2019

**Table.1**  
**Classification of Suspect Measles, Rubella, and Congenital Rubella Syndrome (CRS) Cases for Weeks 01-34, 2019**

Subregion and Country	Susp. Cases 2019	Measles Confirmed 2019				Year/Week Last Conf. Measles case	Rubella Confirmed 2019			Year/Week Last Conf. Rubella Case	Diagnosis of Discarded Cases 2019		Congenital Rubella Syndrome			Year/Week Last Conf. CRS Case		
		Clin.	Lab.	EPI link	Total		Clin.	Lab.	Total		Dengue	Others	Susp.	Conf.	CRI*			
AND	BOL	55	0	0	...	0	2000-40	0	0	0	2006-03	0	19	0	0	0	...	
	COL	3335	0	189	...	189 <sup>a</sup>	2019-33	0	0	0	2012-31	1	1535	212	0	0	2005-34	
	ECU	2	0	0	0	0	2018-33	0	0	0	2004-49	0	2	0	...	...	2011-14	
	PER	304	0	2	...	2	2019-17	0	0	0	2009-04	0	296	0	0	0	2007-16	
BRA	VEN	455	32	362	23	417 <sup>b</sup>	2019-31	0	0	0	2007-51	9	179	19	0	0	...	
	BRA	16662	13	2548	...	2561 <sup>c</sup>	2019-33	...	...	...	2014-40	0	2834	30	0	0	2009-34	
	CAP	CRI	47	0	10	...	10	2019-13	0	0	0	2001-39	0	36	25	0	0	...
	GTM	243	0	0	...	0	2018-03	0	0	0	2006-31	1	201	2	0	0	2005-00	
	HND	273	0	0	...	0	1998-16	0	0	0	2004-11	0	261	15	0	0	2001-00	
	NIC	610	0	0	...	0	1994-14	0	0	0	2004-19	9	507	21	0	0	2005-00	
	PAN	47	0	0	...	0	2011-20	0	0	0	2002-48	0	46	0	0	0	...	
SLV	377	0	0	...	0	2001-19	0	0	0	2006-30	0	377	0	0	0	2001-00		
CAR	CAR	251	0	3	1	4	2019-7	0	0	0	2008-18	0	236	36	0	0	1999-00	
	LAC	CUB	1443	0	1	...	1 <sup>b</sup>	2019-24	0	0	0	2004-06	0	1443	0	0	0	1989-10
	DOM	140	0	0	...	0	2011-18	0	0	0	2007-45	7	123	0	0	0	...	
HTI	163	0	0	...	0	2001-39	0	0	0	2006-21	0	51	18	0	0	...		
MEX	MEX	3233	0	11	...	11	2019-34	0	0	0	2018-14	0	2754	0	0	0	...	
	NOA	CAN	...	...	98	9	107	2019-34	...	...	...	2016-06	0	0	0	...	...	2018-39
	USA	...	...	42	1173	1215 <sup>d</sup>	2019-34	...	1	1	2019-03	0	0	0	...	...	2017-00	
SOC	ARG	128	0	5	...	5	2019-21	0	3	3	2019-16	0	119	0	0	0	2009-27	
	CHL	639	0	5	...	5	2019-25	0	1	1	2019-14	0	620	111	0	0	...	
	PRY	1018	0	0	...	0	1998-44	0	0	0	2005-21	87	700	2	0	0	2003-06	
	URY	67	0	9	...	9	2019-22	...	...	...	2001-37	0	56	0	0	...	...	
<b>TOTAL</b>	<b>29492</b>	<b>45</b>	<b>3285</b>	<b>1206</b>	<b>4536</b>	<b>--</b>	<b>0</b>	<b>5</b>	<b>5</b>	<b>--</b>	<b>114</b>	<b>12395</b>	<b>491</b>	<b>0</b>	<b>0</b>	<b>--</b>		

\*Congenital Rubella Infection. ...No updated report receive  
 (a) Boletín Epidemiológico Semanal, SE 33-2019, Instituto Nacional de Salud, Colombia; (b) PAHO/WHO. Epidemiological Update: Measles. 7 August 2019, Washington, D.C.: PAHO/WHO; 2019; (c) Report from Boletim de notificação semanal (BNS) das doenças exantemáticas (sarampo, rubéola e SRC), Ministério da Saúde, Brasil to FPL-IM/PAHO; (d) Centers for Disease Control and Prevention (<https://www.cdc.gov/measles/cases-outbreaks.html>). Cases as of 22 August 2019. Case count is preliminary and subject to change. Data are updated every Monday.



**Table No.2**  
Infection Source of Measles and Rubella Confirmed Cases for the Period of Weeks 01-34, 2019

Subregion and Country		Measles				Rubella			
		I	IR	En.	U	I	IR	CAC	U
AND	BOL				75				
	COL	114							
	ECU								
	PER	1	1						
	VEN <sup>a</sup>			417					
BRA	BRA	39		48	2474				
	CAP								
	CRI	1	9						
	GTM								
	HND								
CAR	NIC								
	PAN								
	SLV								
	LAC	4							
	CUB <sup>a</sup>	1							
MEX	DOM								
	HTI								
NOA	MEX	4	7		8				
	CAN	41	58		17	1			
SOC	USA	57	1141						
	ARG	4	1			3			
	CHL	3	2			1			
	PRY								
	URY	2	6		1				
<b>TOTAL</b>		<b>271</b>	<b>1225</b>	<b>465</b>	<b>2579</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>

**Table No.3**  
Measles/Rubella Suspect Cases Under Investigation for the Period of Weeks 01-34, 2019

Country	Pending Cases 2018	Cumulative 2019	Week of Onset							% Pend. Cases	
			1-29	30	31	32	33	34			
BOL	2	36	36	...	...	...	...	...	...	65	
COL	184	113	105	3	0	3	0	2	3	3	
ECU	84	0	0	...	...	...	...	...	...	0	
PER	1	6	4	0	0	0	2	0	2	2	
VEN	2	8	8	0	0	0	0	0	2	2	
BRA	465	11163	2231	2245	2705	3026	956	0	67	67	
CRI	23	1	1	0	0	0	0	...	2	2	
GTM	12	41	41	0	0	0	...	...	17	17	
HND	0	12	11	1	0	0	0	0	4	4	
NIC	0	94	13	23	26	19	11	2	15	15	
PAN	0	1	0	0	1	0	0	...	2	2	
SLV	0	0	0	0	0	0	0	0	0	0	
CAR	0	11	7	3	0	0	1	0	4	4	
LAC	0	0	0	0	0	0	0	...	0	0	
DOM	0	10	9	1	0	0	0	0	7	7	
HTI	56	112	111	1	0	0	0	0	69	69	
MEX	0	468	282	15	23	40	63	45	14	14	
CAN	...	...	...	...	...	...	...	...	...	...	
USA	...	...	...	...	...	...	...	...	...	...	
ARG	307	1	1	0	0	0	0	0	1	1	
CHL	2	13	6	1	5	1	0	0	2	2	
PRY	9	231	179	3	8	10	14	17	23	23	
URY	0	2	2	0	0	0	0	...	3	3	
<b>TOTAL</b>			<b>1147</b>	<b>12323</b>	<b>3047</b>	<b>2296</b>	<b>2768</b>	<b>3099</b>	<b>1047</b>	<b>66</b>	<b>42</b>

I: Imported; IR: Import-related; En: Endemic case; U: Unknown.

... No updated report received

(a) PAHO/WHO. Epidemiological Update: Measles.7 August 2019, Washington, D.C.: PAHO/WHO; 2019

**Table 4**  
Indicators of Integrated Measles/Rubella Surveillance for Period of Weeks 01-34, 2019

Subregion and Country		Sites Reporting Weekly		% Cases with Adequate Investigation	% Cases with Adequate Sample	% Blood Samples Received in Lab. ≤5 days	% Lab. Results ≤4 days	Rate of Suspected Cases Last 52 weeks (2018/35-2019/34)		
		Total Units	% This Week					Measles/Rubella (100,000 pop.)	CRS (10,000 lb)	
AND	BOL	2657	...	69	84	80	80	1.0	0.0	
	COL	5923	86	93	96	93	97	8.6	8.0	
	ECU	2184	...	100	100	100	100	1.4	0.0	
	PER	7781	...	90	96	88	48	2.8	0.0	
	VEN	13092	...	100	57	10	17	2.2	0.3	
CAP	BRA	9510	61	49	85	70	47	7.8	0.1	
	CRI	57	...	72	89	86	79	1.4	3.7	
	GTM	1541	...	83	96	63	87	1.7	0.0	
	HND	470	91	79	99	81	98	3.6	2.1	
	NIC	185	100	96	94	93	82	11.3	5.8	
CAR	PAN	324	...	98	94	77	96	1.5	0.0	
	SLV	...	...	73	98	97	94	8.1	0.0	
	LAC	CAR	763	56	85	97	9	92	4.5	12.6
	CUB	168	...	100	100	100	100	23.7	0.0	
	DOM	247	...	19	96	84	76	1.5	0.0	
MEX	HTI	652	87	89	93	74	69	1.8	1.1	
	MEX	20251	96	95	99	91	91	3.2	0.0	
NOA	CAN	...	...	...	...	...	...	...	...	
	USA	...	...	...	...	...	...	...	...	
	ARG	784	...	19	98	80	59	0.9	0.0	
SOC	CHL	767	...	25	99	95	98	5.1	9.1	
	PRY	1256	99	74	87	82	74	20.2	0.1	
	URY	155	...	97	55	55	46	2.0	0.0	
	<b>Total and Average*</b>		<b>68767</b>	<b>48</b>	<b>65</b>	<b>89</b>	<b>77</b>	<b>65</b>	<b>5.4</b>	<b>1.0</b>

\*Weighted

... No updated report received