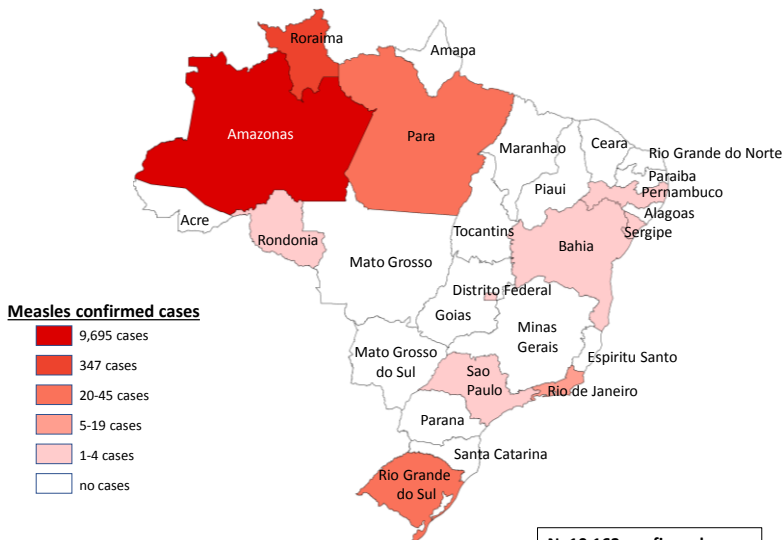


Measles/Rubella Weekly Bulletin



Number of confirmed measles cases Brazil, 2018*

As of epidemiological week (EW) 47, a total of 10,163 cases of measles were confirmed in Brazil in 10 states and in the Federal District (Brasilia). The outbreak began in EW 6 of 2018 in the state of Roraima, border with Venezuela, and three weeks later it was extended to Amazonas. Genotype D8 was identified, with an identical lineage to the cases reported in Venezuela. In addition, 12 deaths were reported in three states: Amazonas, Roraima and Pará. According to the information available for age (n = 10,042), the most affected groups are children under 1 year and individuals aged 15-19 years, as the incidence rate has been reported as 2,008.9 and 486.0 per 100,000 population, respectively.



Source: Ministry of Health Brazil, Report 32
* 26 November 2018

Table.1
Classification of Suspect Measles, Rubella, and Congenital Rubella Syndrome (CRS) Cases for the Period of Weeks 01-47, 2018

Subregion and Country	Susp. Cases 2018	Measles Confirmed 2018			Year/Week Last Conf. Measles case	Rubella Confirmed 2018			Year/Week Last Conf. Rubella Case	Diagnosis of Discarded Cases 2018		Congenital Rubella Syndrome			Year/Week Last Conf. CRS Case
		Clin. n.	Lab.	Total		Clin.	Lab.	Total		Dengue	Others	Susp.	Conf.	CRI*	
AND	BOL	208	0	0	2000-40	0	0	0	2006-03	0	203	0	0	0	...
	COL	5279	0	169	2018-46	0	1	1	2018-42	0	4946	340	0	0	2005-34
	ECU	600	0	19	2018-33	0	0	0	2004-49	0	497	0	0	0	2011-14
	PER	996	0	38	2018-41	0	0	0	2009-04	0	842	1	0	0	2007-16
	VEN	...	...	5643	2018-43	...	...	...	2007-51	...	...	...	...	...	...
BRA	BRA	10974	0	10163	2018-47	0	0	0	2014-40	0	3738	53	0	0	2009-34
CAP	CRI	50	0	0	2014-09	0	0	0	2001-39	0	41	19	0	0	...
	GTM	489	0	1	2018-03	0	0	0	2006-31	26	448	5	0	0	2005-00
	HND	195	0	0	1998-16	0	0	0	2004-11	0	194	19	0	0	2001-00
	NIC	248	0	0	1994-14	0	0	0	2004-19	0	231	45	0	0	2005-00
	PAN	64	0	0	2011-20	0	0	0	2002-48	0	64	3	0	0	...
	SLV	437	0	0	2001-19	0	0	0	2006-30	0	404	0	0	0	2001-00
CAR	CAR	321	0	1	2018-03	0	0	0	2008-18	0	317	117	0	0	1999-00
LAC	CUB	2023	0	0	1993-27	0	0	0	2004-06	0	2023	0	0	0	1989-10
	DOM	129	0	0	2011-18	0	0	0	2007-45	14	99	0	0	0	...
	HTI	189	0	0	2001-39	0	0	0	2006-21	0	129	9	0	0	...
MEX	MEX	3872	0	5	2018-16	0	2	2	2018-14	0	3724	0	0	0	...
NOA	CAN	...	...	27	2018-44	...	...	...	2016-06	0	0	0	1	...	2018-39
	USA	...	...	220	2018-44	...	...	2	2017-16	0	0	0	...	...	2017-00
SOC	ARG	613	0	14	2018-39	0	0	0	2014-22	2	250	19	0	0	2009-27
	CHL	341	0	2	2018-47	0	0	0	2011-25	0	327	137	0	0	...
	PRY	701	0	0	1998-44	0	0	0	2005-21	71	595	0	0	0	2003-06
	URY	11	0	0	1999-08	0	0	0	2001-37	0	10	0	0	0	...
TOTAL		27740	0	16302	16302	--	0	5	5	--	113	19082	767	1	0

*Congenital Rubella Infection.

...No updated report received

(a) PAHO/WHO. Epidemiological Update: Measles. 30 November 2018, Washington, D.C.: PAHO/WHO; 2018.; (b) Ministry of Health, Brazil. Report No. 32, 26 November 2018; (c) Provisional data.



Measles/Rubella Surveillance

Table No.22

Infection Source of Measles and Rubella Confirmed Cases for the Period of Weeks 01-47, 2018

Subregion and Country		Measles				Rubella			
		I	IR	CAC	U	I	IR	CAC	U
AND	BOL	164			5				
	COL	11	8						
	ECU								
	PER	3	1	7	28				
	VEN ^a				5643				
BRA	BRA ^b		9950		213				
	CRI								
CAP	GTM	1							
	HND								
	NIC								
	PAN								
	SLV								
CAR	CAR	1							
	CUB								
LAC	DOM								
	HTI								
MEX	MEX	2	3			2			
	CAN	17	7		3				
NOA	USA	75	140		5	2			
	ARG	2	1		11				
SOC	CHL	2							
	PRY								
	URY								
TOTAL		278	10109	7	5908	0	4	0	0

Table No.3

Measles/Rubella Suspect Cases Under Investigation for the Period of Weeks 01-47, 2018

Country	Pending Cases 2017	Cumulative 2018	Week of Onset						% Pend. Cases	
			1-42	43	44	45	46	47		
BOL	1	5	3	0	1	1	0	...	2	
COL	14	163	130	13	10	5	4	1	3	
ECU	0	84	84	0	0	...	...	...	14
PER	4	116	83	10	1	7	13	2	12	
VEN	...	...	...	...	...	...	...	...	...
BRA	...	...	...	...	...	...	...	...	...
CRI	0	9	9	0	0	0	0	0	18	
GTM	11	14	13	1	0	0	0	...	3	
HND	0	1	1	0	0	0	0	0	1	
NIC	0	17	0	0	7	2	6	2	7	
PAN	0	0	0	0	0	0	0	...	0	
SLV	0	33	31	2	0	0	...	...	8
CAR	1	3	3	0	0	0	0	...	1	
CUB	0	0	0	0	0	0	0	0	0	
DOM	243	16	16	0	0	0	...	...	12
HTI	0	60	53	1	0	6	0	0	32	
MEX	0	141	99	10	2	9	13	8	4	
CAN	...	...	...	...	...	...	...	...	...
USA	...	...	...	...	...	...	...	...	...
ARG	2	347	347	0	0	0	0	0	57	
CHL	0	12	3	2	0	0	3	4	4	
PRY	0	35	18	7	3	6	1	0	5	
URY	0	1	1	...	...	...	...	...	9
TOTAL		276	1057	894	46	24	36	40	17	4

I: Imported; IR: Import-related; CAC: Country-acquired case

U: Unknown. (a) Pan American Health Organization / World Health Organization.

(a) Epidemiological Update: Measles. 30 November 2018, Washington, D.C.: PAHO/WHO; 2018 (b) Ministry of Health, Brazil. Report No. 32, 26 November 2018

... No updated report received

Table 4

Indicators of Integrated Measles/Rubella Surveillance for the Period of Weeks 01-47, 2018

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 (2017/48-2018/47)	
		Total Units	% This Week					Measles/Rubella (100,000 pop.)	CRS (10,000 lb)
AND	BOL	2657	...	100	95	72	79	1.9	0.0
	COL	5179	...	81	98	90	95	10.2	4.3
	ECU	2184	...	99	93	68	63	3.9	0.0
	PER	7781	...	83	91	78	53	2.9	0.0
	VEN	13092	...	...	...	...	...	...	...
CAP	BRA	14149	81	...	56	56	50	5.1	0.2
	CRI	57	...	54	86	91	79	1.1	28.8
	GTM	1541	98	53	99	69	88	2.8	0.1
	HND	470	90	73	97	83	98	2.5	3.3
	NIC	185	100	97	99	95	95	4.0	6.5
CAR	PAN	324	...	86	92	66	91	1.7	0.4
	SLV	1266	...	64	98	98	94	7.5	0.0
	CAR	766	...	90	98	15	74	4.3	10.7
	LAC	168	...	100	100	100	100	17.8	0.0
	DOM	247	...	12	98	69	27	1.4	0.0
MEX	HTI	652	...	88	94	54	25	1.8	1.2
	MEX	20597	...	97	99	93	86	3.1	0.0
NOA	CAN	...	...	...	...	...	...	...	...
	USA	...	...	...	...	...	...	...	...
SOC	ARG	784	...	8	67	70	74	1.3	1.9
	CHL	783	...	32	62	88	93	1.8	10.6
	PRY	1182	...	80	98	89	95	10.8	0.3
	URY	155	...	100	73	73	55	0.3	0.0
Total and Average*		74219	18	83	80	75	72	4.8	1.0

*Weighted

... No updated report received