PAHO Pan American Health Organization World Health Organization Americas

Weekly Bulletin

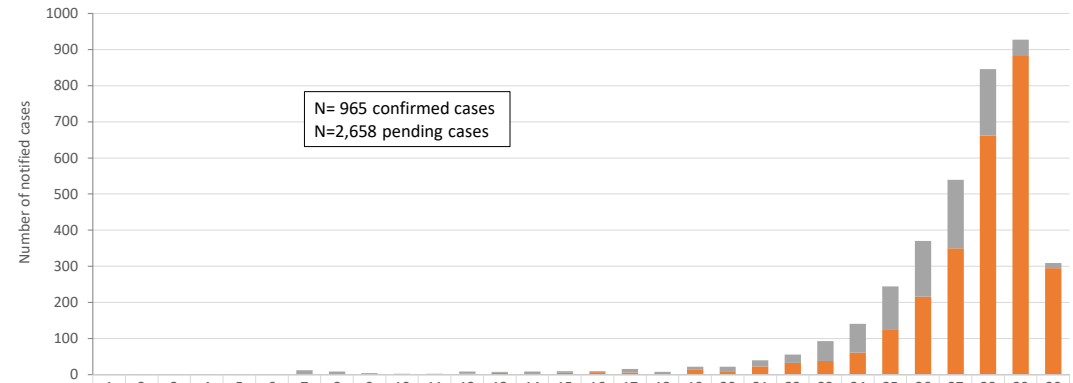
Measles-Rubella-Congenital Rubella Syndrome

Family, Health Promotion and Life Course/Comprehensive Family Immunization

Vol. 25, No. 31 Measles, Rubella, and Congenital Rubella Syndrome Surveillance in the Americas **Week ending 3 August 2019**

Between 1 January and 7 August 2019, São Paulo confirmed 965 measles cases while 2,658 are pending final classification. Onset of rash of the last confirmed case was 25 July, while onset of rash of the most recent case under investigation is in epidemiological week 29. The most affected groups are children under 1 year (9.5 cases per 100,000 population); 1 to 4 years (3.6 cases per 100,000 population); and 20 to 29 years (2.9 cases per 100,000 population). Genotype identified was D8.

Reported measles cases by epidemiological week of rash onset in São Paulo, Brazil, 2019



	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Confirmed	0	1	0	0	1	1	12	7	2	2	1	6	3	5	5	3	10	6	7	12	17	23	55	80	120	154	189	184	45	14
Pending	2	0	2	0	1	1	0	2	2	1	2	3	5	4	5	7	6	2	15	10	23	33	38	61	124	216	350	662	882	295

Source: Country report to FPL-IM/PAHO as of epidemiological week 30.

Table.1
Classification of Suspect Measles, Rubella, and Congenital Rubella Syndrome (CRS) Cases for Weeks 01-31, 2019

Subregion	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	1565	0	175	…	175[a]	2019-31	0	0	0	2012-31	1	1339	191	0	0	2005-34
	ECU	2	0	0	0	0	2018-33	0	0	0	2004-49	0	2	0	…	…	2011-14
	PER	293	0	2	…	2	2019-17	0	0	0	2009-04	0	282	0	0	0	2007-16
	VEN	356	32	362	23	417[a]	2019-31	0	0	0	2007-51	9	137	19	0	0	…
BRA	BRA	6020	13	1032	…	1045	2019-30	…	…	…	2014-40	0	1886	29	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	219	0	0	…	0	1998-16	0	0	0	2004-11	0	208	13	0	0	2001-00
	NIC	334	0	0	…	0	1994-14	0	0	0	2004-19	3	254	11	0	0	2005-00
	PAN	45	0	0	…	0	2011-20	0	0	0	2002-48	0	45	0	0	0	…
	SLV	296	0	0	…	0	2001-19	0	0	0	2006-30	0	296	0	0	0	2001-00
CAR	CAR	228	0	3	1	4	2019-7	0	0	0	2008-18	0	214	36	0	0	1999-00
LAC	CUB	1443	0	1	…	1[a]	2019-24	0	0	0	2004-06	0	1443	0	0	0	1989-10
	DOM	116	0	0	…	0	2011-18	0	0	0	2007-45	4	62	0	0	0	…
	HTI	163	0	0	…	0	2001-39	0	0	0	2006-21	0	22	18	0	0	…
MEX	MEX	2642	0	3	…	3	2019-29	0	0	0	2018-14	0	2308	0	0	0	…
NOA	CAN	…	…	74	9	83	2019-30	…	…	…	2016-06	0	0	0	…	…	2018-39
	USA	…	…	42	1122	1172[b]	2019-31	…	1	1	2019-03	0	0	0	…	…	2017-00
SOC	ARG	109	0	5	…	5[a]	2019-14	0	3	3	2019-16	0	101	0	0	0	2009-27
	CHL	619	0	5	…	5	2019-25	0	1	1	2019-14	0	595	75	0	0	…
	PRY	951	0	0	…	0	1998-44	0	0	0	2005-21	87	671	2	0	0	2003-06
	URY	62	0	9	…	9	2019-22	…	…	…	2001-37	0	51	0	0	…	…
TOTAL		**15808**	**45**	**1723**	**1163**	**2931**	**--**	**0**	**5**	**5**	**--**	**105**	**10172**	**421**	**0**	**0**	**--**

*Congenital Rubella Infection. …No updated report receive

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

(b) Centers for Disease Control and Prevention (https://www.cdc.gov/measles/cases-outbreaks.html). Cases as of 1 August 2019. Case count is preliminary and subject to change. Data are updated every Monday.

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Table No.2
Infection Source of Measles and Rubella Confirmed Cases for the Period of Weeks 01-31, 2019

Subregion	Country	Measles				Rubella			
		I	IR	En.	U	I	IR	CAC	U
AND	BOL								
	COL[a]	114			61				
	ECU								
	PER	1	1						
	VEN[a]			417					
BRA	BRA	39		48	958				
CAP	CRI	1	9						
	GTM								
	HND								
	NIC								
	PAN								
	SLV								
CAR	CAR	4							
LAC	CUB[a]	1							
	DOM								
	HTI								
MEX	MEX	2	1						
NOA	CAN	39	37		7				
	USA	57	1098		17	1			
SOC	ARG	3	1		1	3			
	CHL	3	2			1			
	PRY								
	URY	2	6		1				
TOTAL		**266**	**1155**	**465**	**1045**	**5**	**0**	**0**	**0**

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

Table No.3
Measles/Rubella Suspect Cases Under Investigation for the Period of Weeks 01-31, 2019

Country	Pending Cases 2018	Cumulative 2019	Week of Onset						
			1-26	27	28	29	30	31	% Pend. Cases
BOL	2	36	36	0	0	…	…	…	65
COL	184	100	99	1	0	0	0	0	6
ECU	84	0	0	…	…	…	…	…	0
PER	1	9	3	3	2	1	0	0	3
VEN	7	8	7	0	1	0	0	0	2
BRA	465	2956	680	367	690	901	318	0	49
CRI	23	1	1	0	0	0	0	0	2
GTM	12	41	37	4	0	0	0	0	17
HND	0	11	11	0	0	0	0	…	5
NIC	0	77	77	…	…	…	…	…	23
PAN	0	0	0	0	0	0	0	0	0
SLV	0	0	0	0	0	0	…	…	0
CAR	0	10	6	0	1	0	3	0	4
CUB	0	0	0	0	…	…	…	…	0
DOM	0	50	49	1	0	0	0	0	43
HTI	56	141	132	1	4	3	1	0	87
MEX	0	331	222	32	20	20	17	20	13
CAN	…	…	…	…	…	…	…	…	…
USA	…	…	…	…	…	…	…	…	…
ARG	333	1	1	0	0	0	0	0	1
CHL	2	18	9	3	2	1	3	0	3
PRY	22	193	160	10	7	4	2	10	20
URY	0	2	2	0	0	0	0	…	3
TOTAL	**1191**	**3985**	**1532**	**422**	**727**	**930**	**344**	**30**	**25**

… 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 01-31, 2019

Subregion	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 (2018/32-2019/31)	
		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	5211	97	92	96	92	97	8.9	7.3
	ECU	2184	…	100	100	100	100	1.6	0.0
	PER	7781	…	90	97	89	47	3.0	0.0
	VEN	13092	…	100	64	11	17	1.9	0.3
	BRA	8607	61	49	85	70	48	2.8	0.1
CAP	CRI	57	…	72	89	86	79	1.5	3.7
	GTM	1541	98	83	96	63	87	1.8	0.0
	HND	470	…	79	99	83	98	3.1	2.0
	NIC	185	…	95	97	94	79	7.3	4.9
	PAN	324	…	98	93	76	96	1.6	0.0
	SLV	…	…	73	98	97	93	7.4	0.0
CAR	CAR	763	82	83	96	9	92	4.3	12.6
LAC	CUB	168	…	100	100	100	100	25.9	0.0
	DOM	247	…	22	96	61	53	1.3	0.0
	HTI	652	86	89	93	68	63	1.9	1.1
MEX	MEX	20263	97	96	99	91	92	2.9	0.0
NOA	CAN	...	...	...	...	...	...	...	...
	USA	...	…	...	...	...	...	...	...
SOC	ARG	784	…	18	97	80	61	1.1	0.0
	CHL	767	…	26	96	95	99	5.2	9.1
	PRY	1253	99	74	87	83	74	19.7	0.1
	URY	155	…	97	56	56	48	2.0	0.0
Total and Average*		**67161**	**50**	**71**	**92**	**81**	**73**	**3.7**	**1.0**

*Weighted

… No updated report received