



New Measles and Rubella Laboratory publication!

This document is essentially a tool to help improve measles and rubella laboratory investigation and case classification in the Region of the Americas, a critical requirement for maintaining the elimination of these two viruses in the Region.

The publication is available at: <http://bit.ly/MR-LaboratoryTestingGuide>

Table.1
Classification of Suspect Measles, Rubella, and Congenital Rubella Syndrome (CRS) Cases for Week 21, 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	37	0	0	...	0	0	0	2006-03	0	5	0	0	0	...		
	COL	1225	0	109	...	109 ^a	0	0	0	2012-31	1	1012	112	0	0	2005-34	
	ECU	0	0	0	0	0	0	0	0	2004-49	0	0	0	...	...	2011-14
	PER	206	0	2	...	2	0	0	0	2009-04	0	192	0	0	0	2007-16	
	VEN	...	32	148	23	203 ^a	0	0	0	2007-51	2	43	19	0	0	...	
BRA	BRA	1491	13	87	...	100	...	...	...	2014-40	0	828	15	0	0	2009-34
	CAP	CRI	34	0	10	...	10 ^a	0	0	0	2001-39	0	24	17	0	0	...
	GTM	156	0	0	...	0	0	0	0	2006-31	1	151	2	1	0	2005-00	
	HND	113	0	0	...	0	0	0	0	2004-11	0	101	3	0	0	2001-00	
	NIC	319	0	0	...	0	0	0	0	2004-19	3	237	11	3	0	2005-00	
	PAN	29	0	0	...	0	0	0	0	2002-48	0	25	0	0	0	...	
	SLV	128	0	0	...	0	0	0	0	2006-30	0	128	0	0	0	2001-00	
CAR	CAR	136	0	2	1	3	0	0	0	2008-18	0	124	4	0	0	1999-00	
	LAC	CUB	987	0	0	...	0	0	0	2004-06	0	987	0	0	0	1989-10	
	DOM	62	0	0	...	0	0	0	0	2007-45	3	37	0	3	0	...	
MEX	HTI	114	0	0	...	0	0	0	0	2006-21	0	23	11	0	0	...	
	MEX	1335	0	1	...	1	0	0	0	2018-14	0	1037	0	0	0	...	
NOA	CAN	...	...	57	4	61	...	...	...	2016-06	...	...	...	...	...	2018-39
	USA	...	...	42	898	940	...	...	...	2017-16	...	...	...	...	...	2017-00
SOC	ARG	23	0	4	...	4	0	1	1	2019-16	0	18	0	0	0	2009-27	
	CHL	502	0	4	...	4	0	0	0	2011-25	0	470	45	0	0	...	
	PRY	696	0	0	...	0	0	0	0	2005-21	11	394	2	0	0	2003-06	
	URY	32	0	9	...	9 ^c	...	...	...	2001-37	0	23	0	0	...	...
TOTAL	7625	45	475	926	1446	--	0	1	1	--	21	5859	241	0	0	--	

*Congenital Rubella Infection.

...No updated report received

(a) PAHO/WHO. Epidemiological Update: Measles. 17 May 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 24 May 2019. Case count is preliminary and subject to change. Data are updated every Monday; (c) Ministry of Health, Uruguay.



Table No.2
Infection Source of Measles and Rubella Confirmed Cases for the Period of Weeks 01-21, 2019

Subregion and Country		Measles				Rubella			
		I	IR	En.	U	I	IR	CAC	U
AND	BOL				18				
	COL ^a	91							
	ECU								
	PER	1	1						
	VEN ^a			203					
BRA	BRA	39		48					
CAP	CRI ^a	4	6						
	GTM								
	HND								
	NIC								
	PAN								
	SLV								
CAR	CAR	3							
	CUB								
	DOM								
	HTI								
MEX	MEX	1			7				
NOA	CAN	31	23		17				
	USA	57	806						
SOC	ARG	3	1			1			
	CHL ^a		2	2					
	PRY								
	URY ^b		8		1				
TOTAL		230	907	266	43	1	0	0	0

Table No.3
Measles/Rubella Suspect Cases Under Investigation for the Period of Weeks 01-21, 2019

Country	Pending Cases 2018	Cumulative 2019	Week of Onset							% Pend. Cases
			1-16	17	18	19	20	21		
BOL	2	32	27	2	1	2	...	...	86
COL	184	106	101	1	2	1	1	0	9	
ECU	84	0	0	0	0	0	...	...	0
PER	0	12	2	1	1	1	4	3	6	
VEN	15	9	9	0	0	0	0	...	7	
BRA	465	402	267	35	15	0	58	27	27	
CRI	23	1	1	0	0	0	0	...	3	
GTM	12	4	4	0	0	0	...	...	3
HND	0	12	12	0	0	0	0	0	11	
NIC	0	79	22	4	13	20	19	1	25	
PAN	0	4	1	0	0	1	1	1	14	
SLV	0	0	0	0	0	...	...	...	0
CAR	0	9	3	1	1	3	1	0	7	
CUB	0	0	0	0	0	0	...	...	0
DOM	18	22	22	0	0	0	0	0	35	
HTI	56	91	68	11	3	6	2	1	80	
MEX	0	297	208	19	46	24	0	0	22	
CAN	...	...	...	...	...	...	...	...	...
USA	...	...	...	...	...	...	...	...	...
ARG	349	0	0	0	0	0	0	0	0	
CHL	2	27	9	2	2	3	2	9	5	
PRY	25	291	164	43	23	26	26	9	42	
URY	0	2	2	0	0	0	0	0	6	
TOTAL	1235	1400	922	119	107	87	114	51	18	

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

(a) PAHO/WHO. Epidemiological Update: Measles. 17 May 2019, Washington, D.C.: PAHO/WHO; 2019

(b) Ministry of Health, Uruguay

... No updated report received

Table 4
Indicators of Integrated Measles/Rubella Surveillance for Period of Weeks 01-21, 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 (2018/22-2019/21)	
		Total Units	% This Week					Measles/Rubella (100,000 pop.)	CRS (10,000 lb)
AND	BOL	2657	...	19	24	78	89	1.1	0.0
	COL	5179	97	91	95	92	97	10.7	6.5
	ECU	2184	...	0	0	0	0	2.1	0.0
	PER	7781	...	91	96	89	44	3.0	0.0
	VEN	13092	...	100	81	14	20	3.1	0.3
CAP	BRA	13005	74	49	85	70	48	0.6	0.1
	CRI	57	...	74	85	86	79	1.3	2.5
	GTM	1541	...	76	96	66	92	1.8	0.2
	HND	470	91	80	99	80	99	2.2	1.4
	NIC	185	100	95	97	94	78	7.4	4.9
CAR	PAN	324	...	90	90	72	93	1.6	0.0
	SLV	0	...	77	98	98	97	6.1	0.0
	CAR	763	74	83	97	8	90	3.9	10.4
	LAC	168	...	100	100	100	100	27.6	0.0
	DOM	247	...	24	98	92	69	1.1	0.0
MEX	HTI	652	87	91	96	70	68	1.7	0.8
	MEX	20494	97	95	99	89	88	2.5	0.0
	CAN	...	...	...	...	...	...	...	...
NOA	USA	...	...	...	...	...	...	...	...
	ARG	784	...	17	100	96	96	1.4	0.3
	CHL	768	86	30	95	96	99	5.2	7.8
	PRY	1253	96	67	84	81	68	17.3	0.1
SOC	URY	155	...	94	66	66	63	1.2	0.0
Total and Average*		71759	53	83	95	88	88	3.1	0.8

*Weighted

... No updated report received