



Measles Genotypes reported to Measles Nucleotide Surveillance (MeaNS) by year. Region of the Americas, 2012-2019*

	2012	2013	2014	2015	2016	2017	2018	2019	TOTAL
D8	13	196	170	48	41	73	421	926	1,888
B3	39	28	174	145	20	84	37	83	610
D9	1	8	44	7					60
D4	8	4	3	20			2		37
H1		7	7	24		2			40
D7		1							1
D3		1							1
D6			1						1
									2,638

*Source: MeaNS, N-450 measles sequences by 20 January of 2020

A reduction in the variability of measles genotypes was observed during the last years, resulting in the predominance of genotypes **D8 and B3** for 2018 and 2019. Therefore, a close collaboration and communication between epidemiology and laboratory is needed to improve the molecular epidemiology and better tracking of transmission pathways.

Table.1
Classification of Suspect Measles, Rubella, and Congenital Rubella Syndrome (CRS) Cases for Weeks 01-13, 2020

Subregion and Country	Susp. Cases 2020	Measles Confirmed 2020				Year/Week Last Conf. Measles case	Rubella Confirmed 2020			Year/Week Last Conf. Rubella Case	Diagnosis of Discarded Cases 2020		Congenital Rubella Syndrome			Year/Week Last Conf. CRS Case	
		Clin.	Lab.	EPI link	Total		Clin.	Lab.	Total		Dengue	Others	Susp.	Conf.	CRI*		
AND	BOL	4	0	0	...	0	0	0	2000-40	0	3	0	0	0	...		
	COL ^a	385	0	0	...	0	0	0	2019-51	0	...	69	0	0	2005-34		
	ECU	0	...	...	...	...	...	...	2018-33	0	0	0	...	...	2011-14
	PER	40	0	0	...	0	0	0	2019-18	0	28	0	0	0	2007-16		
	VEN	3	0	0	...	0	0	0	2019-33	0	3	19	0	0	...		
BRA	BRA	7399	191	1408	...	0	0	0	2020-12	0	1729	3	0	0	2009-34		
CAP	CRI	4	0	0	...	0	0	0	2019-13	0	2	0	0	0	...		
	GTM	27	0	0	...	0	0	0	2018-03	1	25	1	0	0	2005-00		
	HND	58	0	0	...	0	0	0	1998-16	0	58	2	0	0	2001-00		
	NIC	32	0	0	...	0	0	0	1994-14	2	21	9	0	0	2005-00		
	PAN	12	0	0	...	0	0	0	2011-20	0	7	0	0	0	...		
	SLV	3	0	0	...	0	0	0	2001-19	0	3	0	0	0	2001-00		
CAR	CAR	43	0	0	...	0	0	0	2019-48	0	33	12	0	0	1999-00		
LAC	CUB	425	0	0	...	0	0	0	2019-24	0	425	0	0	0	1989-10		
	DOM	9	0	0	...	0	0	0	2011-18	0	6	0	0	0	...		
	HTI	33	0	0	...	0	0	0	2001-39	0	15	11	0	0	...		
MEX	MEX	1144	...	...	...	0	0	0	2020-13	0	764	0	0	0	...
NOA	CAN	...	...	1	...	0	0	0	2020-06	...	...	...	...	...	2018-39
	USA	...	...	12	...	...	...	...	2020-10	...	...	...	...	...	2017-00
SOC	ARG	...	0	54	...	0	0	0	2020-12	0	0	0	0	0	2009-27		
	CHL	38	0	2	...	0	0	0	2020-03	0	32	0	0	0	...		
	PRY	386	0	0	...	0	0	0	1998-44	0	239	6	0	0	2003-06		
	URY	2	0	2	...	0	0	0	2020-07	0	0	0	0	0	...		
TOTAL		10047	191	1476	0	1777	--	0	0	0	--	3	3393	132	0	0	--

*Congenital Rubella Infection.

(a) [Boletín Epidemiológico Semanal, SE 12-2020](#), Instituto Nacional de Salud, Colombia.

...No updated report received



Table No.2
Infection Source of Measles and Rubella Confirmed Cases
for the Period of Weeks 01-13, 2020

Subregion and Country		Measles				Rubella		
		I	IR	En.	U	I	IR	U
AND	BOL							
	COL							
	ECU							
	PER							
	VEN							
BRA	BRA				1599			
	CAP							
	CRI							
	GTM							
	HND							
CAR	NIC							
	PAN							
	SLV							
	CAR							
	CUB							
LAC	DOM							
	HTI							
	MEX				107			
	NOA							
	CAN	1						
SOC	USA	12						
	ARG	5			49			
	CHL	2						
	PRY							
	URY		2					
TOTAL		20	2	0	1755	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 01-13 2020

Country	Pending Cases 2019	Cumulative 2020	Week of Onset							% Pend. Cases
			1-8	9	10	11	12	13		
BOL	1	1	1	0	0	...	...	...	25
COL	119	...	...	...	...	...	...	...	...
ECU	8	...	...	...	...	...	...	...	...
PER	13	12	10	2	0	0	0	0	30	
VEN	3	0	0	0	0	0	...	...	0
BRA	7598	4071	2,218	642	555	469	187	0	...	
CRI	0	2	2	0	0	0	0	...	50	
GTM	0	1	0	0	0	1	0	0	4	
HND	0	0	0	0	0	0	0	0	0	
NIC	4	9	0	0	1	5	2	1	28	
PAN	1	5	3	1	1	...	...	...	42
SLV	0	0	0	...	...	...	...	...	0
CAR	6	10	7	1	1	0	1	0	23	
CUB	0	0	0	0	0	0	...	...	0
DOM	20	3	0	1	2	0	0	...	33	
HTI	34	18	17	0	1	0	0	0	55	
MEX	248	286	36	4	25	41	76	104	25	
CAN	...	...	...	...	...	...	...	...	...
USA	...	...	...	...	...	...	...	...	...
ARG	2	0	0	0	0	0	0	0	0	
CHL	9	4	3	1	0	0	0	0	11	
PRY	86	147	127	7	5	5	3	0	38	
URY	3	0	0	...	...	...	...	...	0
TOTAL	8155	4569	2424	659	591	521	269	105	45	

... No updated report received

Table 4
Indicators of Integrated Measles/Rubella Surveillance for Period of Weeks 01-13, 2020

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 (2019/14-2020/13)		
		Total Units	% This Week					Measles/Rubella (100,000 pop.)	CRS (10,000 lb)	
AND	BOL	2657	...	100	100	100	75	1.2	0.3	
	COL	5225	95	...	...	...	...	2.2	5.9
	ECU	2184	...	...	...	...	...	...	...
	PER	7781	...	95	85	66	57	1.4	0.0	
	VEN	13092	...	100	100	0	0	0.6	0.6	
CAP	BRA	...	...	...	...	...	...	30.7	0.1
	CRI	57	144	100	100	100	75	1.2	8.4	
	GTM	1541	98	100	100	56	96	1.6	0.1	
	HND	469	91	95	98	78	97	4.2	1.4	
	NIC	185	100	94	97	94	97	8.8	3.1	
CAR	PAN	324	...	75	100	100	100	1.4	0.0	
	SLV	1271	...	100	100	100	33	6.4	0.0	
	CAR	763	71	67	88	13	63	4.2	4.5	
	LAC	CUB	168	...	100	100	100	100	25.8	0.0
	DOM	247	...	56	89	78	44	1.2	0.0	
MEX	HTI	659	90	85	100	45	76	1.6	1.5	
	MEX	20259	97	96	99	83	82	4.0	0.0	
	NOA	CAN	...	...	...	...	...	...	...
	USA	...	...	...	...	...	...	...	...
	SOC	ARG	784	...	7	94	57	59	0.7	0.0
SOC	CHL	767	21	8	95	92	94	2.4	7.4	
	PRY	1288	98	72	89	75	80	21.4	0.8	
	URY	155	...	100	0	0	0	2.0	0.0	
	Total and Average*	59876	49	90	97	83	85	12.6	0.9	

*Weighted

... No updated report received