



Sequences of the measles N gene reported to 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	418	192	1,151
B3	39	28	174	145	20	84	37	40	567
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
									1,858

Source: World Health Organization (WHO), Measles Nucleotides Sequences (MeaNS) database, N gene sequences  
\*Data as 3 June of 2019

**Table.1**  
Classification of Suspect Measles, Rubella, and Congenital Rubella Syndrome (CRS) Cases for Week 22, 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	2000-40	0	5	0	0	0	...		
	COL	1289	0	118	...	0	0	0	2019-21	1	1064	116	0	0	2005-34		
	ECU	0	0	0	0	0	0	0	2018-33	0	0	0	...	...	2011-14		
	PER	227	0	2	...	0	0	0	2019-17	0	212	0	0	0	2007-16		
	VEN	...	32	148	23	203 <sup>a</sup>	0	0	0	2019-13	3	68	19	0	0		
BRA	BRA	1748	13	114	...	127	...	...	2019-20	0	1115	22	0	0	2009-34		
CAP	CRI	34	0	10	...	10 <sup>a</sup>	0	0	0	2019-13	0	24	17	0	0		
	GTM	156	0	0	...	0	0	0	2018-03	1	151	2	1	0	2005-00		
	HND	124	0	0	...	0	0	0	1998-16	0	112	3	0	0	2001-00		
	NIC	334	0	0	...	0	0	0	1994-14	3	254	11	3	0	2005-00		
	PAN	29	0	0	...	0	0	0	2011-20	0	25	0	0	0	...		
	SLV	186	0	0	...	0	0	0	2001-19	0	186	0	0	0	2001-00		
CAR	CAR	143	0	2	1	3	0	0	0	2019-17	0	130	4	0	0	1999-00	
LAC	CUB	1146	0	0	...	0	0	0	1993-27	0	1146	0	0	0	1989-10		
	DOM	62	0	0	...	0	0	0	2011-18	3	37	0	3	0	...		
	HTI	126	0	0	...	0	0	0	2001-39	0	23	14	0	0	...		
MEX	MEX	1679	0	2	...	2	0	0	2019-22	0	1336	0	0	0	...		
NOA	CAN	...	...	61	4	65	...	...	2019-20	...	...	...	...	...	2018-39		
	USA	...	...	42	898	981 <sup>b</sup>	...	...	2019-22	...	...	...	...	...	2017-00		
SOC	ARG	23	0	4	...	4	0	1	2019-14	0	18	0	0	0	2009-27		
	CHL	506	0	4	...	4	0	0	2019-18	0	470	61	0	0	...		
	PRY	742	0	0	...	0	0	0	1998-44	11	394	2	0	0	2003-06		
	URY	33	0	9	...	9 <sup>c</sup>	...	...	2019-19	0	23	0	0	...	...		
<b>TOTAL</b>		<b>8624</b>	<b>45</b>	<b>516</b>	<b>926</b>	<b>1487</b>	<b>--</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>--</b>	<b>22</b>	<b>6793</b>	<b>271</b>	<b>0</b>	<b>0</b>	<b>--</b>

\*Congenital Rubella Infection.

...No updated report receive

(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 31 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 01-22, 2019

Subregion and Country		Measles				Rubella			
		I	IR	En.	U	I	IR	CAC	U
AND	BOL				11				
	COL <sup>a</sup>	107							
	ECU								
	PER	1	1						
	VEN <sup>a</sup>			203					
BRA	BRA	39		48	40				
CAP	CRI <sup>a</sup>	4	6						
	GTM								
	HND								
	NIC								
	PAN								
	SLV								
CAR	CAR	3							
	CUB								
	DOM								
	HTI								
MEX	MEX	2			6				
NOA	CAN	32	27		17				
	USA	57	806						
SOC	ARG	3	1			1			
	CHL <sup>a</sup>		2	2					
	PRY								
	URY <sup>b</sup>		8		1				
<b>TOTAL</b>		<b>248</b>	<b>911</b>	<b>253</b>	<b>75</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>

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

**Table No.3**  
Measles/Rubella Suspect Cases Under Investigation for the Period of Weeks 01-22, 2019

Country	Pending Cases 2018	Cumulative 2019	Week of Onset							% Pend. Cases
			1-17	18	19	20	21	22		
BOL	2	32	29	1	2	...	...	...	86	
COL	184	106	100	2	2	2	0	0	8	
ECU	84	0	0	0	0	...	...	...	0	
PER	0	13	3	1	1	2	3	3	6	
VEN	8	9	9	0	0	0	0	0	4	
BRA	465	506	206	29	62	101	88	20	29	
CRI	23	1	1	0	0	0	0	0	3	
GTM	12	4	4	0	0	...	...	...	3	
HND	0	12	12	0	0	0	0	0	10	
NIC	0	77	23	1	20	19	9	5	23	
PAN	0	4	1	0	1	1	1	...	14	
SLV	0	0	0	0	...	...	...	...	0	
CAR	0	10	5	1	3	1	0	0	7	
CUB	0	0	0	0	0	0	0	0	0	
DOM	18	22	22	0	0	0	0	...	35	
HTI	56	103	79	3	9	10	2	0	82	
MEX	0	341	217	32	16	24	30	22	20	
CAN	...	...	...	...	...	...	...	...	...	
USA	...	...	...	...	...	...	...	...	...	
ARG	346	0	0	0	0	0	0	0	0	
CHL	2	31	11	2	3	2	9	4	6	
PRY	25	337	211	23	30	34	29	10	45	
URY	0	2	2	0	0	0	0	...	6	
<b>TOTAL</b>	<b>1226</b>	<b>1610</b>	<b>935</b>	<b>95</b>	<b>149</b>	<b>196</b>	<b>171</b>	<b>64</b>	<b>18</b>	

... No updated report received

**Table 4**  
Indicators of Integrated Measles/Rubella Surveillance for Period of Weeks 01-22, 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 (2018/23-2019/22)	
		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	95	91	95	92	97	10.5	6.6
	ECU	2184	...	0	0	0	0	1.9	0.0
	PER	7781	...	91	96	88	43	3.1	0.0
	VEN	13092	...	100	68	9	17	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	1.7	0.2
	HND	470	91	78	99	80	98	2.3	1.4
	NIC	185	100	95	97	94	79	7.7	4.9
CAR	PAN	324	...	90	90	72	93	1.6	0.0
	SLV	1281	91	72	98	97	95	6.8	0.0
	CAR	763	78	84	97	8	90	3.9	10.4
	LAC	168	...	100	100	100	100	28.5	0.0
	DOM	247	...	24	98	92	69	1.0	0.0
MEX	HTI	652	87	90	97	72	69	1.7	0.8
	MEX	20503	97	96	99	90	90	2.7	0.0
	CAN	...	...	...	...	...	...	...	...
	USA	...	...	...	...	...	...	...	...
	SOC	ARG	784	...	17	100	96	96	1.4
SOC	CHL	768	...	30	94	96	99	5.2	7.8
	PRY	1253	96	67	85	78	65	17.8	0.1
	URY	155	...	94	64	64	61	1.3	0.0
	<b>Total and Average*</b>	<b>73049</b>	<b>53</b>	<b>77</b>	<b>96</b>	<b>85</b>	<b>80</b>	<b>3.2</b>	<b>0.8</b>

\*Weighted

... No updated report received