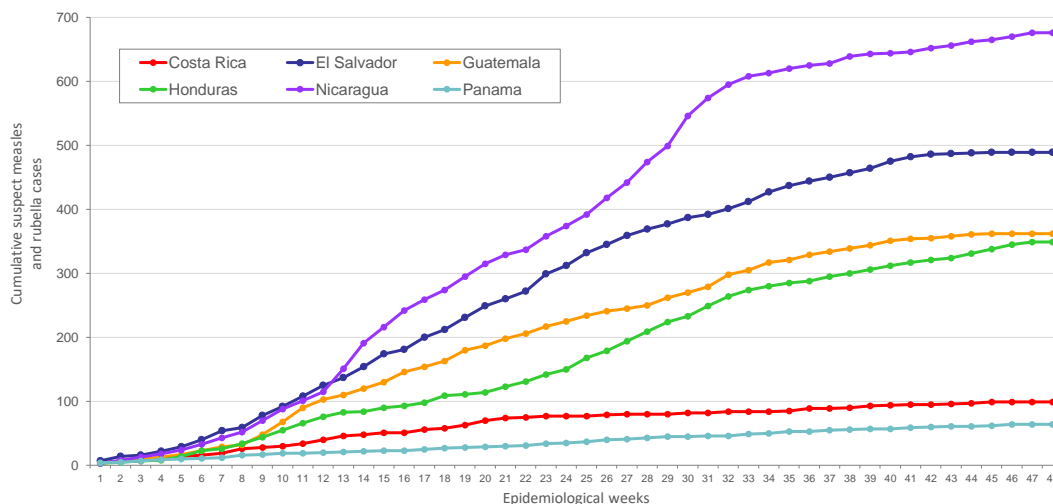




### Cumulative suspected measles and rubella cases by epidemiological week, Central America, 2019\*

The countries of Central America have consistently reported suspected measles and rubella cases during the first 48 epidemiological weeks (EW) of 2019. An upward trend has been observed from EW 13 onwards among Nicaragua, El Salvador, Guatemala y Honduras. For Costa Rica and Panama, a slight increase has been observed in the notification of these cases starting EW 17.



Source: ISIS, MESS, and country reports  
\*Data as of epidemiological week 2019-48.

**Table.1**  
**Classification of Suspect Measles, Rubella, and Congenital Rubella Syndrome (CRS) Cases for Weeks 01-48, 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	128	0	0	...	0	0	0	2000-40	0	0	0	1	120	8	0	0	...
	COL <sup>a</sup>	4192	0	226	...	226	2019-47	0	0	0	2012-31	1	3554	323	0	0	2005-34	
	ECU	174	0	0	0	0	2018-33	0	0	0	2004-49	0	162	0	0	0	2011-14	
	PER	402	0	2	...	2	2019-18	0	0	0	2009-04	0	388	0	0	0	2007-16	
	VEN	491	100	397	23	520 <sup>b</sup>	2019-44	0	0	0	2007-51	6	250	19	0	0	...	
BRA	BRA	58803	2931	10558	...	13489	2019-46	0	0	0	2014-40	0	22636	30	0	0	2009-34	
CAP	CRI	99	0	10	...	10	2019-13	0	0	0	2001-39	0	87	57	0	0	...	
	GTM	362	0	0	...	0	2018-03	0	0	0	2006-31	1	222	2	0	0	2005-00	
	HND	349	0	0	...	0	1998-16	0	0	0	2004-11	0	337	19	0	0	2001-00	
	NIC	676	0	0	...	0	1994-14	0	0	0	2004-19	10	645	28	0	0	2005-00	
	PAN	64	0	0	...	0	2011-20	0	0	0	2002-48	0	60	0	0	0	...	
CAR	SLV	489	0	0	...	0	2001-19	0	0	0	2006-30	0	489	0	0	0	2001-00	
	CAR	312	0	3	1	4	2019-07	0	0	0	2008-18	0	294	43	0	0	1999-00	
	CUB	3083	0	1	...	1 <sup>b</sup>	2019-24	0	0	0	2004-06	0	3083	0	0	0	1989-10	
	DOM	154	0	0	...	0	2011-18	0	0	0	2007-45	8	135	0	0	0	...	
	HTI	194	0	0	...	0	2001-39	0	0	0	2006-21	0	137	26	0	0	...	
MEX	MEX	4976	0	20	...	20	2019-43	0	0	0	2018-14	0	8793	0	0	0	...	
	CAN	...	...	104	9	113	2019-45	...	...	...	2016-06	0	0	0	...	...	2018-39	
	USA	...	...	1262	...	1262	2019-45	...	...	...	2019-03	0	0	0	...	...	2017-00	
SOC	ARG	243	0	73	...	73 <sup>c</sup>	2019-48	0	3	3	2019-20	0	174	0	0	0	2009-27	
	CHL	775	0	11	...	11	2019-43	0	1	1	2019-14	0	742	148	0	0	...	
	PRY	1425	0	0	...	0	1998-44	0	0	0	2005-21	88	1107	4	0	0	2003-06	
	URY	70	0	9	...	9	2019-22	...	...	...	2001-37	0	58	0	0	0	...	
<b>TOTAL</b>	<b>77461</b>	<b>3031</b>	<b>12676</b>	<b>33</b>	<b>15740</b>	<b>--</b>	<b>0</b>	<b>4</b>	<b>4</b>	<b>--</b>	<b>115</b>	<b>43473</b>	<b>707</b>	<b>0</b>	<b>0</b>	<b>--</b>		

\*Congenital Rubella Infection.

...No updated report received

(a) *Boletín Epidemiológico Semanal*, SE 47-2019, Instituto Nacional de Salud, Colombia; (b) PAHO/WHO. Epidemiological Update. Measles 1 November 2019, Washington, D.C.: PAHO/WHO; 2019; (c) *Boletín Integrado de Vigilancia*, N°475, Semana Epidemiológica 48/2019, Argentina



**Table No.2**  
Infection Source of Measles and Rubella Confirmed Cases for the Period of Weeks 01-48, 2019

Subregion and Country		Measles				Rubella			
		I	IR	En.	U	I	IR	CAC	U
AND	BOL				28				
	COL	66	132						
BRA	PER	1	1						
	VEN			520					
	BRA	39		48	13402				
	CRI	1	9						
	GTM								
CAP	HND								
	NIC								
	PAN								
	SLV								
	CAR	4							
LAC	CUB <sup>a</sup>	1							
	DOM								
	HTI								
	MEX	6	14						
	NOA	42	62		9				
SOC	USA	133	1118		11				
	ARG	5	1		67	1			2
	CHL	5	6						
	PRY								
	URY	2	6		1				
<b>TOTAL</b>		<b>305</b>	<b>1349</b>	<b>568</b>	<b>13518</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>

**Table No.3**  
Measles/Rubella Suspect Cases Under Investigation for the Period of Weeks 01-48, 2019

Country	Pending Cases 2018	Cumulative 2019	Week of Onset							% Pend. Cases	
			1-43	44	45	46	47	48			
BOL	3	7	4	1	0	1	0	1	5		
COL	184	412	412	0	0	0	0	0	10		
ECU	84	8	8	0	...	...	...	...	5		
PER	0	12	7	0	3	2	0	0	3		
VEN	2	3	3	0	0	0	0	0	1		
BRA	465	19903	19534	369	0	0	0	...	36		
CRI	23	2	2	0	0	0	0	0	2		
GTM	12	139	135	3	1	0	0	0	38		
HND	0	12	12	0	0	0	0	0	3		
NIC	0	21	13	0	1	3	4	0	3		
PAN	0	4	3	0	0	1	0	0	6		
SLV	0	0	0	0	0	0	...	...	0		
CAR	0	14	10	0	3	1	0	0	4		
CUB	0	0	0	0	0	...	...	...	0		
DOM	0	11	11	0	0	0	...	...	7		
HTI	57	57	57	0	0	0	0	0	29		
MEX	0	881	745	20	35	29	30	22	9		
CAN	...	...	...	...	...	...	...	...	...		
USA	...	...	...	...	...	...	...	...	...		
ARG	77	2	2	0	0	0	0	0	1		
CHL	0	21	17	2	0	1	0	1	3		
PRY	6	230	142	24	20	17	24	3	16		
URY	0	3	3	...	...	...	...	...	4		
<b>TOTAL</b>			<b>913</b>	<b>21742</b>	<b>21120</b>	<b>419</b>	<b>63</b>	<b>55</b>	<b>58</b>	<b>27</b>	<b>28</b>

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

... No updated report received

(a) PAHO/WHO. Epidemiological Update. Measles 1 November 2019, Washington, D.C.: PAHO/WHO; 2019.

**Table 4**  
Indicators of Integrated Measles/Rubella Surveillance for Period of Weeks 01-48, 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 (2018/49-2019/48)	
		Total Units	% This Week					Measles/Rubella (100,000 pop.)	CRS (10,000 lb)
AND	BOL	2657	...	74	68	68	64	1.2	0.3
	COL	5964	86	93	96	92	96	4.8	9.5
	ECU	2184	...	86	97	77	91	1.3	0.0
	PER	7781	...	87	96	84	49	1.4	0.0
	VEN	13092	...	100	62	9	16	1.6	0.3
CAP	BRA	...	...	72	82	85	21	25.6	0.1
	CRI	57	...	86	42	86	79	2.0	8.4
	GTM	1541	98	86	97	63	84	2.1	0.0
	HND	469	...	79	99	80	99	4.2	1.1
	NIC	185	100	97	95	93	83	11.0	6.4
LAC	PAN	324	...	94	95	77	97	1.6	0.0
	SLV	1283	...	74	98	97	95	8.1	0.0
	CAR	763	69	84	97	9	84	4.2	11.6
	CUB	168	...	100	100	100	100	29.6	0.0
	DOM	247	...	21	97	84	75	1.4	0.0
MEX	HTI	652	85	90	93	73	64	1.8	0.8
	MEX	20305	97	54	50	91	90	7.5	0.0
NOA	CAN	...	...	...	...	...	...	...	...
	USA	...	...	...	...	...	...	...	...
	USA	...	...	...	...	...	...	...	...
SOC	ARG	784	...	18	88	75	60	0.6	0.0
	CHL	767	89	21	97	96	97	5.4	10.7
	PRY	1257	98	77	89	86	79	21.9	0.2
	URY	155	...	97	54	54	46	2.0	0.0
<b>Total and Average*</b>		<b>60635</b>	<b>49</b>	<b>72</b>	<b>80</b>	<b>86</b>	<b>41</b>	<b>11.9</b>	<b>1.2</b>

\*Weighted

... No updated report received