

## bi-Weekly Bulletin, April **Measles-Rubella-Congenital Rubella Syndrome**



Comprehensive Immunization Program (CIM)

Vol. 31, No. 15-16 Measles, Rubella, and Congenital Rubella Syndrome Surveillance in the Americas Weeks ending 19 April 2025

Comparison of clinical and epidemiological characteristics of measles and its differential diagnoses

Disease	Measles	Rubella (ª)	Roseola (exhantema subitum)	Erythema infectiosum	Dengue	Chikunguna	Zika	
Etiology	Paramyxoviridae, genus Morbillivirus	Togaviridae, genus Rubivirus	Betaherpesviridae, genus Roseolovirus (human herpes virus 6)	Parvoviridae, genus Erythrovirus (human parvovirus B19)	Flaviviridae, genus Flavivirus	Togaviridae, genus Alphavirus	Flaviviridae, genus Flavivirus	
Incubation period (days)	7-21	12-23	5-15	4-20	3-14	4-7	2-7	
Fever	Yes	Yes	Yes	Yes	Yes	Yes	May appear	
Characteristics	High fever	Low grade fever or afebrile	Abrupt and high fever	Low grade fever or afebrile	Mild, occasionally biphasic	High fever	Low grade fever or afebrile	
Rash	Si	Yes	Yes	Yes	Frequent	Frequent	Yes	
Characteristics	Maculopapular	Maculopapular	Maculopapular	Macular/ Maculopapular	Maculopapular	Maculopapular	Maculopapular	
Distribution	Cephalocaudal	Cephalocaudal	Thorax and abdomen	Cephalocaudal	Centrifugal	Cephalocaudal, intensely pruritic	Cephalocaudal, intensely pruritic	
Cough	Frequent	No	No	No	No	No	No	
Coryza	Frequent	May appear	Yes	Yes	No	No	No	
Conjunctivitis	Frequent	May appear	No	No	May appear	May appear (b)	Yes	
Arthralgia	No	Frequent	No	May appear (adults)	Frequent	Yes	Frequent	
Lymphadenopathy	No	Frequent	May appear	May appear	No	May appear Postauricular	May appear Postauricular	

- Sources:

  1) American Public Health Association. Control of Communicable Diseases Manual, 20th edition. Washington, DC: PAHO; 2016.

  2) Pan American Health Organization. Tool for the diagnosis and care of patients with suspected arboviral diseases. Washington, DC: PAHO; 2017.

  3) Kliegman R, St Geme J. Nelson Textbook of Pediatrics, 2-Volume Set 21st edition. Elsevier; 2019.

  4) Cohen J, Powderly W, Opal S. Infectious Diseases, 2-Volume Set. 4th edition. Elsevier; 2016.

  (9) Up to 50% of rubella infections are subclinical or do not present rash.

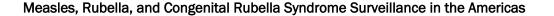
  (b) Conjunctivitis is uncommon in Chikungunya; however, this symptom is more frequent in children.

Table.1 Classification of Suspect Measles, Rubella, and Congenital Rubella Syndrome (CRS) Cases for Week 1-16, 2025

Classification of Suspect Measies, Rubella, and Congenital Rubella																	
	Subregion and Country Susp. Susp. Measles Confirmed 2025			Year/Week Last Conf. Measles case	Rubella Confirmed 2025		Year/Week Last Conf. Rubella	onf. Discarded Cases		Congenital Rubella Syndrome			Year/Week Last Conf. CRS Case				
		2023	Clin.	Lab.	EPI link	Total	Weasies case	Clin.	Lab.	Total	Case	Dengue	Others	Susp.	Conf.	CRI*	CN3 Case
AND	BOL	71	0	0		0	2024-37	0	0	0	2006-03	0	66	0	0	0	
	COL	246	0	0		0	2020-09	0	0	0	2012-31	0	210	0	0	0	2005-34
	ECU	143	0	0		0	2018-33	0	0	0	2004-49	7	114	14	0	0	2011-14
	PER	140	0	0		0	2024-06	0	0	0	2009-04	1	104	0	0	0	2007-16
	VEN						2019-48				2007-51						
BRA	BRA	509	0	5		5	2025-15	0	0	0	2014-40	0	360	6	0	0	2009-34
CAP	CRI	12	0	0		0	2023-31	0	0	0	2001-39	0	12	71	0	0	
	GTM	29	0	0		0	2018-03	0	0	0	2006-31	0	29	0	0	0	2005-00
	HND	42	0	0		0	1998-16	0	0	0	2004-11	1	39	4	0	0	2001-00
	NIC	52	0	0		0	1994-14	0	0	0	2004-19	15	32	8			2005-00
	PAN	24	0	0		0	2011-20	0	0	0	2002-48	0	23	0	0	0	
	SLV	222	0	0		0	2001-19	0	0	0	2006-30	0	222	0	0	0	2001-00
CAR	CAR	149	0	2		2	2025-14	0	0	0	2008-18	0	94	0	0	0	1999-00
LAC	CUB						2019-24				2004-06						1989-10
	DOM	52	0	0		0	2011-18	0	0	0	2019-08	2	46	0	0	0	2007-00
	HTI	67	0	0		0	2001-39	0	0	0	2006-21	0	1	16	0	0	
MEX	MEX	2026	0	570	13	583	2025-15	0	0	0	2018-14	0	976	0	0	0	
NOA	CAN		158	589	430	1177	2025-16	0	0	0	2023-36			0	0	0	2024-00
	USA			884		884 <sup>A</sup>	2025-16				2024-35						2017-00
SOC	ARG	48	0	21	1	22	2025-15	0	0	0	2019-47	0	26	0	0	0	2009-27
	CHL	32	0	0		0	2023-32	0	0	0	2019-14	0	30	8	0	0	
	PRY	304	0	0		0	2022-37	0	0	0	2005-21	0	243	0	0	0	2003-06
	URY	0	0	0		0	2020-07	0	0	0	2001-37	0	0	0	0	0	
TO	TAL	4168	158	2071	444	2673		0	0	0		26	2627	127	0	0	

\*Congenital Rubella Infection.

(A) Measles Cases and Outbreaks, CDC website at: https://www.cdc.gov/measles/cases-outbreaks.html (Data as of 24 April 2025).





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## Table No.2 Infection Source of Measles and Rubella Confirmed Cases for the Period of Weeks 1-16, 2025

## Table No.3 Measles/Rubella Suspect Cases Under Investigation for the Period of Weeks 1-16, 2025

for the Period of Weeks 1-16, 2025										
		Me	asles	F	Rubell	а				
egion and ountry	ı	IR	En.	U	1	IR	U			
BOL CCU PER VEN BRA CRI GTND HIC PAN				5						
SLV CAR CUB DOM HTI	1			1						
	3	34		546						
CAN USA	27	775		267 884						
ARG CHL PRY URY	2	17		3						
OTAL	33	826		1706						
	BOL CCU PER VEN BRA CRI GTM HND NIC PAN SLV CAR CUB MEX CAN USAA ACHL PRY URY	BOL COL ECU PER VEN BRA CRI GTM HND NIC PAN SLV CAR 1 CUB DOM HTI MEX 3 CAN USA ARG CHL PRY URY OTAL 33	BOL COL ECU PER VEN BRA CRI GTM HND NIC PAN SLV CAR 1 CUB DOM HTI MEX 3 344 CAN 27 T75 USA ARG CHL PRY URY OTAL 33 826	BOL COL ECU PER VEN BRA CRI GTM HND NIC PAN SLV CAR 1 CUB DOM HTI MEX 3 34 CAN 27 775 USA ARG CHL PRY URY OTAL 33 826	I   IR   En.   U	I	I			

	for the Period of Weeks 1-16, 2025											
	Pending	Cumu-		Week of Onset								
Country	Cases 2024	lative 2025	1-11	12	13	14	15	16	% Pend. cases			
BOL	22	5	4	0	1	0	0	0	7			
COL	105	36	21	15	0	0	0	0	15			
ECU	27	22	9	10	3 3	0			15			
PER	11	35	14	5	3	2	7	4	25			
VEN	8											
BRA	56	146	33	17	43	36	17	0	29			
CRI	0	0	0	0	0	0	0	0	0			
GTM	9	0	0	0	0	0	0	0	0			
HND	2	2	2	0	0	0	0	0	5			
NIC	1	5	4	0	0	0	0	1	10			
PAN	1	1	1	0	0	0	0	0	4			
SLV	0	0	0	0	0	0	0		0			
CAR	0	54	6	6	10	15	7	10	36			
CUB	0											
DOM	1	4	2	1	1				8			
HTI	76	66	52	3	5	2	2	2	99			
MEX	136	467	127	46	63	68	104	59	23			
CAN	NR	NR	NR	NR	NR	NR	NR	NR	NR			
USA	NR	NR	NR	NR	NR	NR	NR	NR	NR			
ARG	0	0	0	0	0	0	0	0	0			
CHL	3	2	1	1	0	0	0	0	6			
PRY	1	54	21	7	4	6	6	10	18			
URY	3	0	0						0			
TOTAL	462	899	297	111	133	129	143	86	22			

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

... No updated report received; NR-not reporting

Table 4
Indicators of Integrated Measles/Rubella Surveillance for Period of Weeks 1-16, 2025

	Indicators of Integrated Measles/Rubella Surveillance for Period of Weeks 1-16, 2025										
			eporting ekly	% Suspected	% Suspected	% Serum	% Serum	Rate of Suspected Cases Last 52 weeks (2024/17-2025/16)			
Subregion and Country		Total % This Units Week		cases with adequate investigation	cases with adequate sample	samples received in lab. ≤5 days	samples with lab. results reported <4 days	Measles/Rubella (100,000 pop.)ª	CRS (10,000 lb) <sup>a</sup>		
AND	BOL	2657		94	97	92	93	2.6	0.0		
	COL	4793	100	85	44	88	85	2.3	23.0		
	ECU	2184		62	87	91	74	3.5	0.5		
	PER	6326		85	84	57	34	1.4	0.0		
	VEN	13092						3.2	0.0		
	BRA <sup>b</sup>			17	55	84	92	1.2	0.2		
CAP	CRI	37		100	100	92	83	1.1	14.0		
	GTM	1506		97	100	86	97	1.1	0.0		
	HND	310	100	93	98	88	100	3.8	0.8		
	NIC	185		94	98	98	98	2.6	9.3		
	PAN	107		79	100	96	100	2.1	0.4		
	SLV	1333		95	99	99	100	21.7	28.2		
CAR	CAR	521	44	52	87	10	49	4.4	0.0		
LAC	CUB	168						11.9	0.0		
	DOM	247		77	100	85	90	1.6	0.0		
	HTI	20		81	88	0	3	1.1	2.1		
MEX	MEX	20196	96	96	99	80	83	3.1	1.1		
NOA	CAN	NR	NR	NR	NR	NR	NR	NR	NR		
	USA	NR	NR	NR	NR	NR	NR	NR	NR		
SOC	ARG	334		35	48	40	42	0.8	1.6		
	CHL	533		34	91	90	100	0.9	3.6		
	PRY	1479	99	86	93	89	90	13.6	1.2		
	URY	155		0	0	0	0	2.9	0.0		
Total and	Average*	56183	47	80	88	80	82	2.5	2.2		

\*Weighted

... No updated report received; NR-not reporting

<sup>(</sup>a) Source (population data): United Nations, Department of Economic and Social Affairs, Population Division (2024). World Population Prospects 2024, Online Edition.

<sup>(</sup>b) Measles/rubella indicators correspond to epidemiological weeks 1-9 of 2025.