



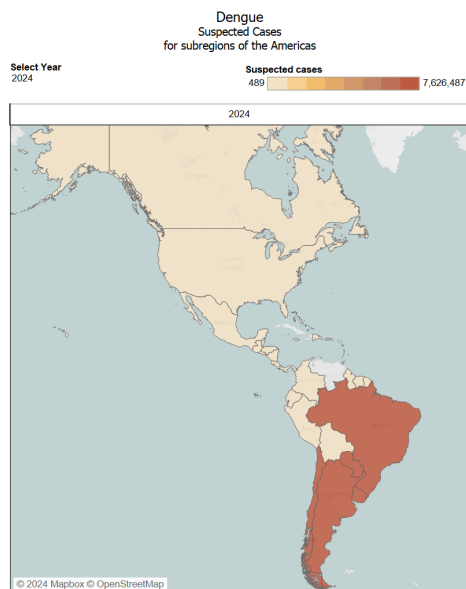
Active laboratory search of measles and rubella cases within dengue epidemics

Given the surge of dengue outbreaks in the Americas, PAHO recommends the implementation of **active laboratory search (ALS)** on serum obtained for dengue surveillance, to be tested for measles and rubella (MR).

The sera selected must meet **ALL** the following criteria:

- 1) case presented fever and rash;
- 2) case is from a silent area, without reporting MR cases to surveillance system;
- 3) serum was negative for dengue; and
- 4) serum was obtained 30 days before IgM testing for measles and rubella.

Cases with positive IgM or indeterminate results identified in the active search should be adequately investigated for final classification. Cases with **IgM negative results should not be entered into the routine surveillance system**. For more information click [here](#).



Source: Health Information Platform for the Americas (PLISA). Data reported by Ministries and Institutes of Health of the countries and territories in the Americas. The designations employed and the presentation of the material in these maps do not imply the expression of any opinion whatsoever on the part of the Secretariat of the Pan American Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate border lines for which there may not yet be full agreement.

Table.1
Classification of Suspect Measles, Rubella, and Congenital Rubella Syndrome (CRS) Cases for Week 1-20, 2024

Subregion and Country	Susp. Cases 2024	Measles Confirmed 2024				Year/Week Last Conf. Measles case	Rubella Confirmed 2024			Year/Week Last Conf. Rubella Case	Diagnosis of Discarded Cases 2024		Congenital Rubella Syndrome			Year/Week Last Conf. CRS Case	
		Clin.	Lab.	EPI link	Total		Clin.	Lab.	Total		Dengue	Others	Susp.	Conf.	CRI*		
AND	BOL	183	0	1	...	1	2024-07	0	0	0	2006-03	0	29	0	0	0	...
	COL	545	0	0	...	0	2020-09	0	0	0	2012-31	0	447	448	0	0	2005-34
	ECU	343	0	0	...	0	2022-46	0	0	0	2004-49	19	272	0	0	0	2011-14
	PER	189	0	2	...	2	2024-06	0	0	0	2009-04	1	166	0	0	0	2007-16
	VEN	585	0	0	...	0	2019-33	0	0	0	2007-51	39	546	0	0	0	...
BRA	BRA	839	0	1	...	1 ^A	2024-01	0	0	0	2014-40	0	638	7	0	0	2009-34
CAP	CRI	12	0	0	...	0	2019-13	...	...	...	2001-39	0	12	32	...	...	...
	GTM	83	0	0	...	0	2018-03	0	0	0	2006-31	0	78	0	0	0	2005-00
	HND	347	0	0	...	0	1998-16	0	0	0	2004-11	11	335	6	0	0	2001-00
	NIC	50	...	...	...	...	1994-14	...	...	...	2004-19	11	38	44	...	...	2005-00
	PAN	58	0	0	...	0	2011-20	0	0	0	2002-48	1	54	0	0	0	...
	SLV	354	0	0	...	0	2001-19	0	0	0	2006-30	0	354	228	0	0	2001-00
CAR	CAR	60	0	0	...	0	2019-48	0	0	0	2008-18	0	45	0	0	0	1999-00
LAC	CUB	759	0	0	...	0	2019-24	0	0	0	2004-06	0	759	0	0	0	1989-10
	DOM	111	0	0	...	0	2011-18	0	0	0	2007-45	1	110	0	0	0	...
	HTI	38	0	0	...	0	2001-39	0	0	0	2006-21	0	10	9	0	0	...
MEX	MEX	1776	0	5	1	6	2024-14	0	0	0	2018-14	0	1550	0	0	0	...
NOA	CAN	...	...	77	...	77	2024-20	0	0	0	2023-36	...	...	...	1	...	2023-32
	USA	...	...	142	...	142 ^B	2024-18	...	...	...	2021-38	...	...	...	...	...	2017-00
SOC	ARG	112	0	3	...	3	2024-07	0	0	0	2019-47	0	109	81	0	0	2009-27
	CHL	89	0	0	...	0	2023-32	0	0	0	2019-14	1	82	19	0	0	...
	PRY	634	0	0	...	0	1998-44	0	0	0	2005-21	0	521	3	0	0	2003-06
	URY	...	...	...	...	...	2020-07	...	...	...	2001-37	...	...	...	...	...	...
TOTAL		7167	0	231	1	232	--	0	0	0	--	84	6155	877	1	0	--

*Congenital Rubella Infection.

(A) Epidemiological Alert: Measles in the Region of the Americas, 29 January 2024, PAHO.

(B) Measles Cases and Outbreaks, CDC website at: <https://www.cdc.gov/measles/cases-outbreaks.html> (Data as of 23 May 2024).

...No updated report received



Measles, Rubella, and Congenital Rubella Syndrome Surveillance in the Americas

Vol. 30, No. 19-20

Table No.2
Infection Source of Measles and Rubella Confirmed Cases
for the Period of Weeks 1-20, 2024

Subregion and Country		Measles				Rubella		
		I	IR	En.	U	I	IR	U
AND	BOL	1						
	COL							
	ECU							
	PER	2						
VEN	VEN							
	BRA	1						
CAP	CRI							
	GTM							
HND	HND							
	NIC							
PAN	PAN							
	SLV							
CAR	CAR							
	CUB							
DOM	DOM							
	HTI							
MEX	MEX	1	4		1			
NOA	CAN	26	44		7			
	USA	78	32		32			
SOC	ARG	1	1		1			
	CHL							
	PRY							
	URY							
TOTAL		110	81	0	41	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 1-20, 2024

Country	Pending Cases 2023	Cumulative 2024	Week of Onset							% Pend. cases
			1-15	16	17	18	19	20		
BOL	0	153	147	6	0	0	...	...	84
COL	0	98	19	21	28	15	15	0	18	
ECU	13	52	26	4	5	4	10	3	15	
PER	10	20	10	2	5	1	1	1	11	
VEN	0	0	0	0	...	...	...	...	0
BRA	110	201	114	37	19	24	7	0	24	
CRI	0	0	0	...	...	...	...	...	0
GTM	11	5	5	0	0	0	0	0	6	
HND	0	1	1	0	0	0	0	0	0	
NIC	1	1	1	0	0	0	0	0	2	
PAN	0	3	1	2	0	0	0	0	5	
SLV	0	0	0	0	0	0	0	0	0	
CAR	0	15	8	1	3	2	0	1	25	
CUB	0	0	0	0	0	0	...	...	0
DOM	0	0	0	0	0	0	0	0	0	
HTI	70	28	23	1	1	2	0	1	74	
MEX	160	221	107	21	24	24	29	16	12	
CAN	...	...	...	...	...	...	...	...	...
USA	...	...	...	...	...	...	...	...	...
ARG	0	0	0	0	0	0	0	0	0	
CHL	2	6	4	0	0	2	0	0	7	
PRY	0	113	76	5	7	6	10	9	18	
URY	1	...	...	...	...	...	...	...	...
TOTAL	378	917	542	100	92	80	72	31	13	

... No updated report received

Table 4
Indicators of Integrated Measles/Rubella Surveillance for Period of Weeks 1-20, 2024

Subregion and Country		Sites Reporting Weekly		% Suspected cases with adequate investigation	% Suspected cases with adequate sample	% Serum samples received in lab. ≤5 days	% Serum samples with lab. results reported ≤4 days	Rate of Suspected Cases Last 52 weeks (2023/21-2024/20)	
		Total Units	% This Week					Measles/Rubella (100,000 pop.) ^a	CRS (10,000 lb) ^a
AND	BOL	4161	...	97	95	32	14	2.4	0.0
	COL	4906	100	82	88	82	91	1.1	14.4
	ECU	2184	...	57	90	68	94	3.9	0.0
	PER	7781	...	93	94	86	64	0.9	0.0
VEN	VEN	13092	...	96	96	23	75	5.5	0.0
	BRA	...	...	...	...	81	93	0.9	0.1
CAP	CRI	82	...	92	92	100	73	0.8	7.3
	GTM	1541	...	99	94	79	96	1.2	0.0
HND	HND	469	86	68	98	88	97	4.7	1.1
	NIC	185	...	100	100	96	96	2.6	7.5
PAN	PAN	325	...	81	93	90	93	2.5	0.1
	SLV	1334	85	95	98	99	100	11.3	40.1
CAR	CAR	758	...	33	85	11	71	1.3	0.0
	LAC	CUB	168	...	100	100	100	11.6	0.0
DOM	DOM	247	...	43	98	88	97	2.9	0.0
	HTI	712	...	79	97	13	13	1.2	2.3
MEX	MEX	20209	96	94	100	92	91	2.4	0.0
NOA	CAN	...	...	...	...	...	...	...	...
	USA	...	...	...	...	...	...	...	...
SOC	ARG	784	...	29	83	77	68	0.7	2.2
	CHL	811	70	66	94	93	98	1.3	0.9
PRY	PRY	1463	...	78	91	83	88	13.6	0.4
	URY	155	...	...	...	...	...	0.0	0.0
Total and Average*		61367	43	87	94	80	87	2.1	1.8

*Weighted

... No updated report received.

(a) Source (population data): United Nations, Department of Economic and Social Affairs, Population Division (2022). World Population Prospects 2022, Online Edition.