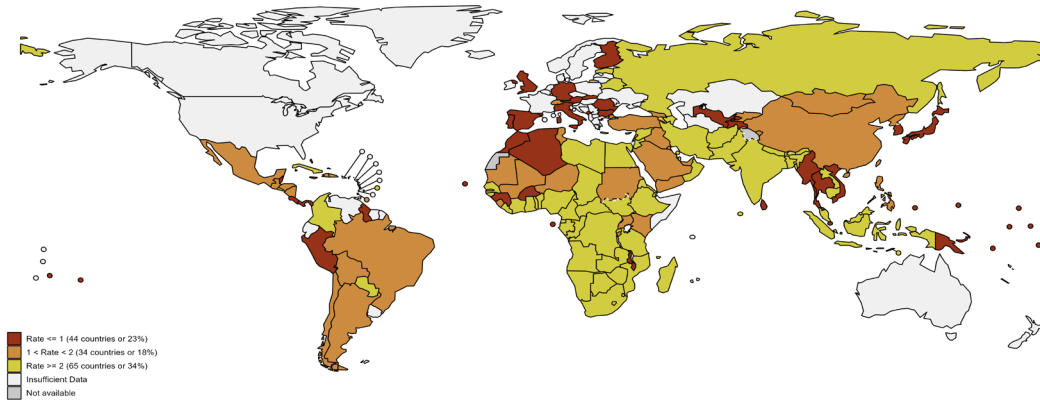


Surveillance sensitivity reporting rate of suspected* measles and rubella cases (last 12 months) at the global level



Map production: World Health Organization, 2023. All rights reserved. Data source: IVB Database

Disclaimer: The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World 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.

0 875 1750 3500 kilometers

Notes: Based on data received 2023-05 - Surveillance data from 2022-04 to 2023-03 - Target: ≥ 2 discarded cases* / 100,000 population** - * Suspected cases investigated and discarded as non-measles non-rubella using laboratory testing and/or epidemiological linkage to another etiology ** World population prospects, 2019 revision

Only 65 countries (34%) achieved the annual rate of suspected measles and rubella cases of 2/100000 in the last 12 months, which means sensitivity of surveillance is subpar and existing surveillance system may not capture all cases. Additionally, many of these countries are affected by measles outbreaks, suggesting that the rate is reached because of the large number of suspect cases and not (only) because of better performing surveillance systems.

Table.1
Classification of Suspect Measles, Rubella, and Congenital Rubella Syndrome (CRS) Cases for Week 1-18, 2023

Subregion and Country	Susp. Cases 2023	Measles Confirmed 2023				Year/Week Last Conf. Measles case	Rubella Confirmed 2023			Year/Week Last Conf. Rubella Case	Diagnosis of Discarded Cases 2023		Congenital Rubella Syndrome			Year/Week Last Conf. CRS Case		
		Clin.	Lab.	EPI link	Total		Clin.	Lab.	Total		Dengue	Others	Susp.	Conf.	CRI*			
AND	BOL	40	0	0	...	0	0	0	2020-16	0	0	0	0	7	0	0	0	...
	COL	499	0	0	...	0	0	0	2020-09	0	0	0	0	363	250	0	0	2005-34
	ECU	0	0	0	...	0	0	0	2022-46	0	0	0	0	0	0	0	0	2011-14
	PER	41	0	0	...	0	0	0	2019-18	0	0	0	0	36	0	0	0	2007-16
	VEN	530	0	0	...	0	0	0	2019-33	0	0	0	7	20	0	0	0	...
BRA	BRA	680	0	0	...	0	0	0	2022-28	0	0	0	0	515	22	0	0	2009-34
	CAP	0	0	0	...	0	0	0	2019-13	0	0	0	0	0	120	0	0	...
	GTM	73	0	0	...	0	0	0	2018-03	0	0	0	0	73	0	0	0	2005-00
	HND	25	0	0	...	0	0	0	1998-16	0	0	0	0	25	6	0	0	2001-00
	NIC	31	0	0	...	0	0	0	1994-14	0	0	0	0	25	12	0	0	2005-00
	PAN	16	0	0	...	0	0	0	2011-20	0	0	0	0	14	0	0	0	...
	SLV	153	0	0	...	0	0	0	2001-19	0	0	0	0	153	229	0	0	2001-00
	CAR	25	0	0	...	0	0	0	2019-48	0	0	0	0	23	0	0	0	1999-00
LAC	CUB	840	0	0	...	0	0	0	2019-24	0	0	0	0	840	0	0	0	1989-10
	DOM	49	0	0	...	0	0	0	2011-18	0	0	0	3	46	0	0	0	...
	HTI	79	0	0	...	0	0	0	2001-39	0	0	0	0	44	9	0	0	...
	MEX	634	0	0	...	0	0	0	2020-23	0	0	0	0	523	0	0	0	...
NOA	CAN	...	...	6	...	6	2023-17	...	...	...	2019-50	...	...	...	...	...	...	2018-39
	USA	...	...	10	...	10	2023-17	...	...	...	2019-03	...	...	...	...	...	...	2017-00
	SOC	79	0	0	...	0	0	0	2022-26	0	0	0	0	78	0	0	0	2009-27
URY	CHL	14	0	0	...	0	2020-03	0	0	0	2019-14	0	14	0	0	0	0	...
	PRY	1032	0	0	...	0	1998-44	0	0	0	2005-21	0	195	0	0	0	0	2003-06
	URY	...	...	...	...	...	2020-07	...	...	...	2001-37	...	...	...	...	...	...	...
TOTAL	4840	0	16	...	16	--	0	0	0	--	10	2994	648	0	0	0	--	

*Congenital Rubella Infection.

...No updated report received



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

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Table No.2
Infection Source of Measles and Rubella Confirmed Cases
for the Period of Weeks 1-18, 2023

Subregion and Country		Measles				Rubella		
		I	IR	En.	U	I	IR	U
AND	BOL							
	COL							
	ECU							
	PER							
	VEN							
BRA	BRA							
	CAP							
	CRI							
	GTM							
	HND							
CAR	NIC							
	PAN							
	SLV							
	LAC							
	CUB							
MEX	DOM							
	HTI							
	MEX							
NOA	CAN	6						
	USA	10						
SOC	ARG							
	CHL							
	PRY							
	URY							
TOTAL		16	0	0	0	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 1-18, 2023

Country	Pending Cases 2022	Cumulative 2023	Week of Onset						% Pend. cases
			1-13	14	15	16	17	18	
BOL	2	33	33	0	0	0	0	...	83
COL	89	136	51	16	14	29	26	0	27
ECU	1	0	0	...	...	...	...	...	0
PER	1	5	3	1	0	1	0	0	12
VEN	6	1	1	0	0	0	0	...	0
BRA	151	165	111	15	26	13	0	0	24
CAP	4	0	0	...	...	...	...	...	0
CRI	0	0	0	0	0	0	0	0	0
GTM	0	0	0	0	0	0	0	0	0
HND	2	0	0	0	0	0	0	0	0
NIC	0	6	5	1	0	...	...	...	19
PAN	0	2	1	0	0	0	1	...	13
SLV	0	0	0	0	0	0	0	0	0
LAC	1	2	2	0	0	0	0	0	8
CUB	0	0	0	0	0	0	0	...	0
DOM	0	0	0	0	0	0	0	0	0
HTI	34	35	32	0	3	0	0	0	44
MEX	196	111	54	9	17	17	14	0	18
NOA	...	...	...	...	...	...	...	...	...
CAN	...	...	...	...	...	...	...	...	...
USA	...	...	...	...	...	...	...	...	...
SOC	0	1	1	0	0	0	0	0	1
ARG	9	0	0	0	0	0	0	0	0
CHL	9	0	0	0	0	0	0	0	0
PRY	44	837	820	4	5	6	2	0	81
URY	...	...	...	...	...	...	...	...	...
TOTAL	540	1334	1114	46	65	66	43	0	28

... No updated report received

Table 4
Indicators of Integrated Measles/Rubella Surveillance for Period of Weeks 1-18, 2023

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 (2022/19-2023/18)	
		Total Units	% This Week					Measles/Rubella (100,000 pop.) ^a	CRS (10,000 lb) ^a
AND	BOL	4161	...	90	90	83	85	2.0	0.0
	COL	5127	98	85	89	91	93	2.3	12.4
	ECU	2184	...	0	0	0	0	1.6	0.0
	PER	7781	...	88	95	68	30	0.4	0.0
	VEN	13092	...	89	91	4	57	4.2	0.0
BRA	BRA	...	...	...	...	77	69	1.5	0.2
	CAP	82	...	0	0	0	0	0.6	18.2
	CRI	1541	87	100	99	77	100	1.1	0.0
	GTM	469	87	76	100	88	100	1.3	1.1
	HND	185	0	97	100	97	97	2.1	4.0
CAR	NIC	324	0	88	100	81	100	1.0	0.3
	PAN	0	0	93	99	99	100	7.6	39.7
	SLV	758	68	20	80	32	60	0.8	0.0
	LAC	168	0	100	100	100	100	10.7	0.0
	CUB	247	0	41	96	77	77	1.5	0.0
MEX	DOM	712	0	80	95	15	49	1.8	3.1
	HTI	20246	96	93	100	93	94	1.9	0.0
	MEX	...	...	...	...	...	...	...	...
NOA	CAN	...	...	...	...	...	...	...	...
	USA	...	...	...	...	...	...	...	...
SOC	ARG	784	...	0	81	59	52	1.7	0.0
	CHL	801	82	36	100	93	86	1.5	2.9
	PRY	1442	98	26	78	79	86	20.6	0.5
	URY	155	...	...	...	...	...	...	...
Total and Average*		60259	48	74	91	76	84	2.1	1.9

*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.