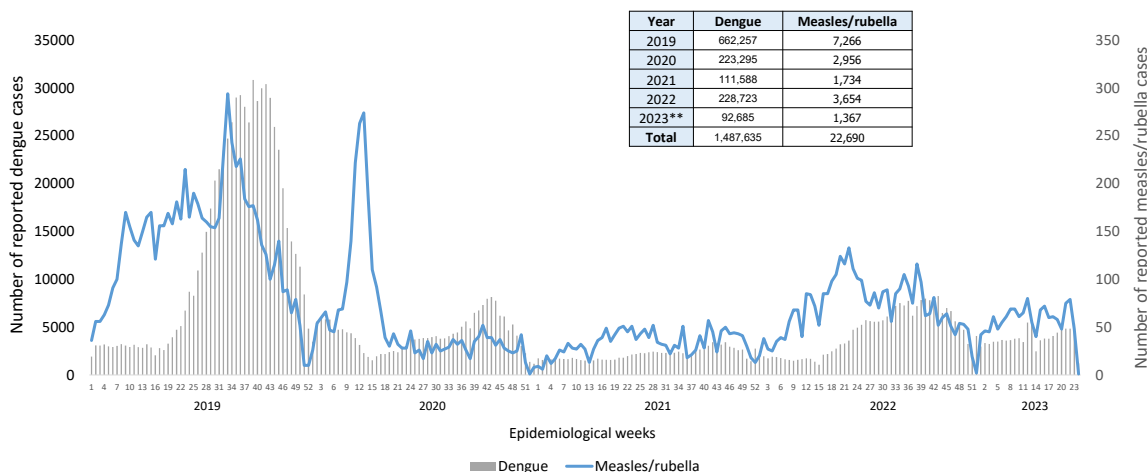


Number of dengue and measles/rubella reported cases Central America and Mexico*, 2019-2023**



Source: Integrated Surveillance Information System and country reports to CIM/PAHO.
*Belize, Costa Rica, El Salvador, Guatemala, Honduras, Nicaragua, and Panama | ** Data as of 23 June 2023.

During the analysis period, the notification of measles and rubella cases have increased before a surge of dengue cases (such as in 2019) or after dengue cases plummeted (such as early 2020). For 2021, the COVID-19 pandemic affected the notification of measles, rubella and dengue cases. In 2022 and 2023, measles and rubella cases increased right before a peak in dengue, and then decreased along dengue. Countries should remain vigilant as dengue cases have masked confirmed measles cases in the past. Thus, active case finding in health facilities and at the laboratory is a good practice to implement during outbreaks for arbovirus diseases such as dengue.

Table.1
Classification of Suspect Measles, Rubella, and Congenital Rubella Syndrome (CRS) Cases for Week 1-24, 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	831	0	0	...	0	0	0	2020-09	0	0	0	0	623	340	0	0	2005-34
	ECU	78	0	0	...	0	0	0	2022-46	0	0	0	5	73	0	0	0	2011-14
	PER	57	0	0	...	0	0	0	2019-18	0	0	0	0	48	0	0	0	2007-16
BRA	VEN	830	0	0	...	0	0	0	2019-33	0	0	0	37	624	0	0	0	...
	BRA	990	0	0	...	0	0	0	2022-28	0	0	0	0	853	31	0	0	2009-34
	CRI	41	0	0	...	0	0	0	2019-13	0	0	0	0	41	12	0	0	...
	GTM	102	0	0	...	0	0	0	2018-03	0	0	0	0	101	0	0	0	2005-00
CAP	HND	40	0	0	...	0	0	0	1998-16	0	0	0	0	40	6	0	0	2001-00
	NIC	48	0	0	...	0	0	0	1994-14	0	0	0	0	46	18	0	0	2005-00
	PAN	16	0	0	...	0	0	0	2011-20	0	0	0	0	14	0	0	0	...
	SLV	221	0	0	...	0	0	0	2001-19	0	0	0	0	221	228	0	0	2001-00
CAR	CAR	39	0	0	...	0	0	0	2019-48	0	0	0	0	38	0	0	0	1999-00
	CUB	1154	0	0	...	0	0	0	2019-24	0	0	0	0	1154	0	0	0	1989-10
	DOM	67	0	0	...	0	0	0	2011-18	0	0	0	4	62	0	0	0	...
	HTI	130	0	0	...	0	0	0	2001-39	0	0	0	0	82	14	0	0	...
MEX	MEX	1009	0	0	...	0	0	0	2020-23	0	0	0	0	854	0	0	0	...
	CAN	...	...	6	...	6	...	...	2023-17	...	...	...	...	...	...	...	...	2018-39
	USA	...	...	14	...	14	...	...	2023-22	...	...	...	...	...	...	...	...	2017-00
SOC	ARG	105	0	0	...	0	0	0	2022-26	0	0	0	0	104	0	0	0	2009-27
	CHL	15	0	0	...	0	0	0	2020-03	0	0	0	0	15	0	0	0	...
	PRY	1051	0	0	...	0	0	0	1998-44	0	0	0	1	214	7	0	0	2003-06
	URY	...	...	...	...	...	...	...	2020-07	...	...	...	...	...	...	...	...	...
TOTAL	6864	0	20	...	20	--	0	0	0	--	47	5214	656	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 1-24, 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							
	CAR							
	LAC							
MEX	CUB							
	DOM							
	HTI							
NOA	MEX	6						
	CAN	14						
SOC	USA							
	ARG							
	CHL							
	PRY							
URY								
TOTAL		20	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 1-24, 2023

Country	Pending Cases 2022	Cumulative 2023	Week of Onset						% Pend. cases
			1-19	20	21	22	23	24	
BOL	2	33	33	...	...	...	...	...	83
COL	89	208	69	21	31	42	45	0	25
ECU	1	0	0	0	0	0	...	...	0
PER	0	9	4	0	2	2	0	1	16
VEN	6	169	169	0	0	0	0	...	20
BRA	151	138	95	14	19	10	0	0	14
CAP									
CRI	0	0	0	0	0	0	0	0	0
GTM	0	1	0	0	0	0	0	1	1
HND	2	0	0	0	0	0	0	0	0
NIC	0	2	2	0	0	0	0	0	4
PAN	0	2	2	...	...	...	...	...	13
SLV	0	0	0	0	0	0	0	0	0
CAR	0	1	0	1	0	0	0	0	3
LAC	0	0	0	0	0	0	...	...	0
DOM	0	1	1	0	0	0	0	0	1
HTI	34	48	27	10	4	4	2	1	37
MEX	196	155	85	7	7	8	15	33	15
NOA									
CAN	...	...	...	...	...	...	...	...	...
USA	...	...	...	...	...	...	...	...	...
SOC									
ARG	0	1	1	0	0	0	0	0	1
CHL	9	0	0	0	0	0	0	0	0
PRY	14	836	833	1	1	0	1	0	80
URY	...	...	...	...	...	...	...	...	...
TOTAL	504	1604	1321	54	64	66	63	36	23

... No updated report received

Table 4
Indicators of Integrated Measles/Rubella Surveillance for Period of Weeks 1-24, 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 (2022/25-2023/24)	
		Total Units	% This Week					Measles/Rubella (100,000 pop.) ^a	CRS (10,000 lb) ^a
AND	BOL	4161	...	90	90	83	85	1.7	0.0
	COL	5043	99	87	90	91	91	2.6	12.4
	ECU	2184	...	90	96	76	100	1.7	0.0
	PER	7781	...	91	95	64	29	0.4	0.0
	VEN	13092	...	94	96	43	48	3.9	0.0
CAP	BRA	...	...	...	...	90	45	1.2	0.2
	CRI	82	...	100	100	95	100	1.7	1.8
	GTM	1541	72	100	99	78	98	1.0	0.0
	HND	469	92	80	100	83	100	1.3	1.1
	NIC	185	...	98	100	98	98	2.1	4.5
CAR	PAN	324	...	88	100	81	100	1.0	0.3
	SLV	1327	90	91	99	99	100	6.6	39.7
	CAR	758	...	23	85	26	62	0.9	0.0
	LAC	168	...	100	100	100	100	12.0	0.0
	DOM	247	...	45	97	79	80	1.6	0.0
MEX	HTI	712	...	86	96	12	56	1.8	3.3
	MEX	...	...	93	100	91	90	1.8	0.0
NOA	CAN	...	...	...	...	...	...	...	...
	USA	...	...	...	...	...	...	...	...
SOC	ARG	784	...	2	85	62	52	1.7	0.0
	CHL	808	...	40	100	93	87	1.3	2.9
	PRY	1442	99	56	78	83	89	20.1	1.0
	URY	155	...	...	...	...	...	...	...
Total and Average*		41263	22	84	93	83	79	2.1	1.7

*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.