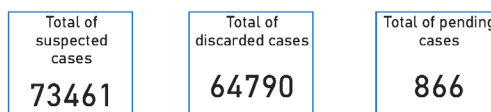
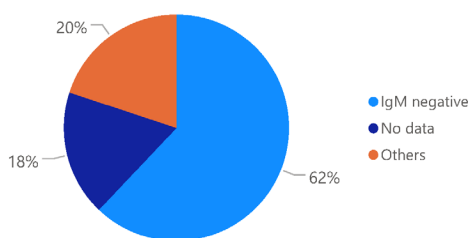




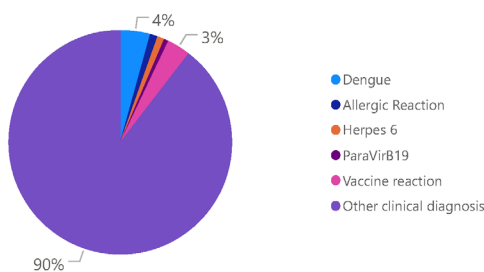
How suspected measles and rubella are been discarded The Americas, 2015-2019*



Classification of discarded cases by basis for discarding



Classification of discarded cases by other differential diagnosis



Source: ISIS, MESS and country surveillance reports sent to PAHO/WHO. Only includes case by case data *Data as of epidemiological week 43, 2020

Between 2015 and 2019, 62% of the suspected cases reported by 33 countries in the region were discarded by an IgM-negative result; 20% as differential diagnosis given the presence of a positive laboratory result and 18% did not fill any basis for discarding. When disaggregating the information of differential diagnosis, 90% of the cases were discarded by other clinical diagnoses, 3% by vaccine post-reaction, 1% by allergic reaction, and 6% by other viral diseases (dengue, herpes 6 and Parvo B19).

Table.1
Classification of Suspect Measles, Rubella, and Congenital Rubella Syndrome (CRS) Cases for Weeks 01-43, 2020

Subregion and Country	Susp. Cases 2020	Measles Confirmed 2020				Year/Week Last Conf. Measles case	Rubella Confirmed 2020			Year/Week Last Conf. Rubella Case	Diagnosis of Discarded Cases 2020		Congenital Rubella Syndrome			Year/Week Last Conf. CRS Case	
		Clin.	Lab.	EPI link	Total		Clin.	Lab.	Total		Dengue	Others	Susp.	Conf.	CRI*		
AND																	
BOL	63	0	2	...	2	2020-16	0	0	0	2006-03	17	42	0	0	0	...	
COL	594	0	1	...	1	2020-09	0	0	0	2012-31	0	472	156	0	0	2005-34	
ECU	136	0	1	...	1	2020-06	...	...	...	2004-49	1	107	0	0	0	2011-14
PER	60	0	0	...	0	2019-18	0	0	0	2009-04	0	57	0	0	0	2007-16	
VEN	559	0	0	...	0	2019-33	0	0	0	2007-51	32	373	0	0	0	...	
BRA	16780	2812	5449	...	8261	2020-41	0	0	0	2014-40	0	8017	32	0	0	2009-34	
CAP																	
CRI	73	0	0	...	0	2019-13	0	0	0	2001-39	4	41	81	0	0	...	
GTM	51	0	0	...	0	2018-03	0	0	0	2006-31	1	49	1	0	0	2005-00	
HND	91	0	0	...	0	1998-16	0	0	0	2004-11	0	90	7	0	0	2001-00	
NIC	96	0	0	...	0	1994-14	0	0	0	2004-19	10	77	21	0	0	2005-00	
PAN	28	0	0	...	0	2011-20	0	0	0	2002-48	0	27	0	0	0	...	
SLV	152	0	0	...	0	2001-19	0	0	0	2006-30	0	152	181	0	0	2001-00	
CAR	53	0	0	...	0	2019-48	0	0	0	2008-18	0	50	12	0	0	1999-00	
LAC	906	0	0	...	0	2019-24	0	0	0	2004-06	0	906	0	0	0	1989-10	
DOM	15	0	0	...	0	2011-18	0	0	0	2007-45	4	8	0	0	0	...	
HTI	112	0	0	...	0	2001-39	0	0	0	2006-21	0	94	40	0	0	...	
MEX	2330	...	184	10	194	2020-23	0	0	0	2018-14	0	2021	0	0	0	...	
NOA	...	...	1	...	1	2020-06	0	0	0	2019-50	...	...	...	...	...	2018-39
USA	...	...	12	...	12	2020-10	...	...	...	2019-03	...	...	...	...	...	2017-00
SOC																	
ARG	326	0	60	1	61	2020-12	0	0	0	2019-47	3	261	0	0	0	2009-27	
CHL	38	0	2	...	2	2020-03	0	0	0	2019-14	0	32	0	0	0	...	
PRY	515	0	0	...	0	1998-44	0	0	0	2005-21	2	451	6	0	0	2003-06	
URY	9	0	0	2	2	2020-07	0	0	0	2001-37	0	6	0	0	0	...	
TOTAL	22964	2812	5712	13	8537	--	0	0	0	--	74	13333	537	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 01-43, 2020

Subregion and Country		Measles				Rubella		
		I	IR	En.	U	I	IR	U
AND	BOL				2			
	COL	1						
	ECU				1			
	PER							
	VEN							
BRA CAP	BRA			8261				
	CRI							
	GTM							
	HND							
	NIC							
CAR LAC	PAN							
	SLV							
	CAR							
	CUB							
	DOM							
MEX	HTI							
	MEX*							
NOA	CAN	1						
	USA	12						
SOC	ARG	7			54			
	CHL	2						
	URY		2					
TOTAL		23	2	8261	57	0	0	0

Table No.3
Measles/Rubella Suspect Cases Under Investigation
for the Period of Weeks 01-43, 2020

Country	Pending Cases 2019	Cumulative 2020	Week of Onset							% Pend. Cases
			1-38	39	40	41	42	43		
BOL	1	2	0	0	1	0	1	0	3	
COL	119	121	119	2	0	0	0	...	20	
ECU	7	26	26	0	0	0	0	...	19	
PER	13	3	3	0	0	0	0	0	5	
VEN	19	152	126	10	6	7	1	2	28	
BRA	2597	506	417	22	42	21	4	0	3	
CRI	0	28	28	0	0	0	0	0	38	
GTM	0	1	1	0	0	0	0	...	2	
HND	0	1	1	0	0	0	0	0	1	
NIC	0	9	4	0	2	2	1	0	9	
PAN	1	1	1	0	0	0	0	0	4	
SLV	0	0	0	0	0	0	0	0	0	
CAR	6	3	2	0	0	1	0	0	6	
CUB	0	0	0	0	...	...	...	...	0
DOM	20	3	3	...	...	...	...	...	20
HTI	29	18	18	0	0	0	0	0	16	
MEX	247	113	63	9	6	10	16	9	5	
CAN	...	...	...	...	...	...	...	...	...
USA	...	...	...	...	...	...	...	...	...
ARG	5	1	1	0	0	0	0	0	0	
CHL	9	4	4	...	...	...	...	...	11
PRY	85	62	60	1	0	0	1	0	12	
URY	3	1	1	...	...	...	...	...	11
TOTAL	3161	1055	878	44	57	41	24	11	5	

I: Imported; IR: Import-related; En: Endemic case; U: Unknown.
*Pending final classification

... No updated report received

Table 4
Indicators of Integrated Measles/Rubella Surveillance for Period of Weeks 01-43, 2020

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 (2019/44-2020/43)	
		Total Units	% This Week					Measles/Rubella (100,000 pop.)	CRS (10,000 lb)
AND	BOL	2657	...	86	92	68	86	0.8	0.0
	COL	4612	...	54	...	...	...	2.1	7.1
	ECU	2184	...	99	70	32	60	1.2	0.0
	PER	7781	...	92	85	66	58	0.4	0.0
	VEN	13092	...	46	87	18	8	0.9	0.3
CAP	BRA	...	71	...	...	74	34	12.8	0.1
	CRI	57	100	95	62	93	96	1.5	20.3
	GTM	1541	0	98	100	61	86	0.3	0.0
	HND	469	93	97	100	80	100	1.7	1.7
	NIC	185	100	96	98	96	98	2.0	4.3
CAR LAC	PAN	324	...	100	96	71	89	0.8	0.0
	SLV	1288	...	87	99	97	94	3.2	0.0
	CAR	763	69	58	94	21	75	1.2	1.0
	CUB	168	...	100	100	100	100	9.7	0.0
	DOM	247	...	53	93	80	53	0.2	0.0
MEX	HTI	659	92	90	96	57	61	1.0	2.4
	MEX	20149	96	95	99	94	89	2.1	0.0
NOA	CAN	...	...	...	...	...	...	...	...
	USA	...	...	...	...	...	...	...	...
SOC	ARG	784	...	7	92	67	52	1.6	0.0
	CHL	767	...	8	95	92	94	0.5	7.4
	PRY	1292	...	74	92	84	93	11.3	0.9
	URY	155	...	67	33	38	38	0.3	0.0
Total and Average*		59174	36	80	95	76	45	5.4	0.9

*Weighted

... No updated report received