

Measles/Rubella Weekly Bulletin



Days interval to obtain serum specimens in **discarded** measles and rubella cases, 2010 – 2015*

Serum samples collected between 0-3 days after rash onset may result in cases with false-negative results. To this end, it's necessary to guarantee a thorough field investigation and timely follow-up of contacts. According to the data, of 749 serum specimens analyzed for IgG-measles, 240 (32%) were negative, showing lack of immunity. A similar situation is observed in rubella: of 131 specimens analyzed for IgG, 45 (34.3%) have negative results.

	Measles	Rubella
IgM negative - discarded	N = 32,916	N = 34,588
Mx < 0 days after rash	509	509
Mx 0-3 days after rash	20,498 – (IgG 749; neg 240)	21,901 – (IgG 131; neg 45)
Mx 4-7 days after rash	6,932	7,090
Mx 8-30 days after rash	4,167	4,278
Mx >30 days after rash	810	810

Source: Integrated Surveillance Information System (ISIS)

*Data as of 1 June 2015

Table.1
Classification of Suspect Measles, Rubella, and Congenital Rubella Syndrome (CRS) Cases for the Period of Weeks 01-34, 2015

Subregion and Country	Susp. Cases 2015	Measles Confirmed 2015			Year/Week Last Conf. Measles case	Rubella Confirmed 2015			Year/Week Last Conf. Rubella Case	Diagnosis of Discarded Cases 2015		Congenital Rubella Syndrome			Year/Week Last Conf. CRS Case		
		Clin.	Lab.	Total		Clin.	Lab.	Total		Dengue	Others	Susp.	Conf.	CR1*			
AND	BOL	48	0	0	0	2000/40	0	0	0	2006/03	0	46	0	...	...	...
	COL	1055	0	0	0	2013/25	0	0	0	2012/42	0	999	298	0	0	2005/34	
	ECU	...	...	...	...	2012/28	...	...	...	2004/45	...	...	...	...	...	...
	PER	415	0	4	4	2015/25	0	0	0	2006/45	0	299	0	0	0	2007/16	
BRA	VEN	333	0	0	0	2012/16	0	0	0	2007/51	6	323	2	0	0	...	
	BRA	4272	10	146	156	2015/23	0	0	0	2014/40	0	3718	1	0	...	2009/34	
	CRI	31	0	0	0	2005/22	0	0	0	2001/42	2	25	0	...	...	...
	GTM	113	0	0	0	1998/05	0	0	0	2006/30	5	107	7	0	0	2005/00	
CAP	HND	180	0	0	0	1997/29	0	0	0	2004/11	0	180	7	0	0	2001/00	
	NIC	98	0	0	0	1994/14	0	0	0	2004/19	0	86	22	0	...	2005/00	
	PAN	52	0	0	0	2011/20	0	0	0	2002/48	0	52	1	0	0	...	
	SLV	120	0	0	0	2001/19	0	0	0	2006/30	0	102	0	0	0	2001/00	
CAR	CAR	194	0	0	0	2011/48	0	0	0	2008/18	1	191	7	0	0	1999/00	
	LAC	CUB	1103	0	0	0	1993/27	0	0	0	2004/06	0	1103	0	0	0	...
	DOM	29	0	0	0	2011/18	0	0	0	2006/44	0	19	0	...	...	...
	GLP	1	0	0	0	2011/28	0	0	0	...	0	1	0	...	...	2005/00
MEX	GUF	1	0	0	0	2011/26	0	0	0	2010/06	0	1	0	...	...	...
	HTI	126	0	0	0	2001/39	0	0	0	2006/21	0	115	19	0	0	...	
	MTQ	0	0	0	0	2011/27	0	0	0	...	0	0	0	...	...	...
	PRI	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
NOA	MEX	3225	0	1	1	2015/02	0	0	0	2012/49	0	2575	0	0	0	...	
	CAN	...	...	195	195 ^a	2015/19	0	0	0	2014/10	...	...	...	...	...	2011/12
SOC	USA	...	...	188	188 ^a	2015/31	...	...	...	2014/16	...	...	...	...	...	2012/44
	ARG	239	0	0	0	2014/36	0	0	0	2014/22	2	139	66	0	0	2009/27	
	CHL	488	0	9	9	2015/27	0	0	0	2011/25	0	454	0	0	0	...	
	PRY	377	0	0	0	1998/44	0	0	0	2005/21	4	299	0	0	0	2003/06	
URY	5	0	0	0	1999/08	0	0	0	2001/37	0	5	0	0	0	...		
TOTAL	12505	10	543	553	--	0	0	0	--	20	10839	430	0	0	0	--	

*Congenital Rubella Infection; (a) Provisional data.

...No report received



Measles/Rubella Surveillance

Table No.2
Infection Source of Measles and Rubella Confirmed Cases for the Period of Weeks 01-34, 2015

Subregion and Country		Measles				Rubella			
		I	IR	CAC	U	I	IR	CAC	U
AND	BOL								
	COL								
BRA	ECU								
	PER	1	3						
	VEN								
	BRA				156				
	CAP								
CAR	CRI								
	GTM								
	HND								
	NIC								
	PAN								
	SLV								
	LAC								
	CAR								
	CUB								
	DOM								
MEX	GLP								
	GUF								
	HTI								
	MTQ								
	PRI								
	NOA	1							
	MEX	7	168		20				
	CAN	119	61		8				
	SOC								
	ARG								
CHL	2	7							
PRY									
URY									
TOTAL		130	239	0	184	0	0	0	0

Table No.3
Measles/Rubella Suspect Cases Under Investigation for the Period of Weeks 01-34, 2015

Country	Pending Cases 2014	Cumulative 2015	Week of Onset							% Pend.Cases	
			1-29	30	31	32	33	34			
BOL	0	2	2	0	0	...	...	...	4
COL	8	56	53	2	1	...	...	...	5
ECU	...	...	...	...	...	...	...	...	...
PER	0	112	83	6	6	7	6	4	27		
VEN	0	4	4	0	0	0	0	...	1		
BRA	431	398	333	10	21	17	17	0	9		
CRI	0	4	3	1	0	0	...	...	13
GTM	0	1	1	0	0	0	0	0	1		
HND	0	0	0	0	0	0	0	0	0		
NIC	0	12	11	1	0	...	...	...	12
PAN	0	0	0	0	0	0	0	0	0		
SLV	2	18	18	0	0	...	...	...	15
CAR	0	2	0	0	0	0	2	0	1		
LAC	0	0	0	0	0	0	0	0	0		
CUB	0	0	0	0	0	0	0	0	0		
DOM	13	10	10	0	0	0	0	0	34		
GLP	0	0	0	0	0	...	...	...	0
GUF	0	0	0	0	0	...	...	...	0
HTI	0	11	4	3	3	0	1	0	9		
MTQ	0	0	0	0	0	...	...	...	0
PRI	...	...	...	...	...	...	...	...	...
NOA	0	17	17	0	0	0	0	0	1		
SOC	...	...	...	...	...	...	...	...	...
ARG	0	98	76	2	6	8	3	3	41		
CHL	0	25	20	1	0	1	2	1	5		
PRY	0	74	73	0	0	0	0	1	20		
URY	0	0	0	0	0	0	0	0	0		
TOTAL			454	844	708	26	37	33	31	9	7

I: Imported; IR: Import-related; CAC: Country-acquired case
U: Unknown.

... No report received

Table 4
Indicators of Integrated Measles/Rubella Surveillance for the Period of Weeks 01-34, 2015

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 (2014/36-2015/34)		
		Total Units	% This Week					Measles/Rubella (100,000 pop.)	CRS (10,000 lb)	
AND	BOL	2220	...	100	100	89	78	1.0	0.0	
	COL	5512	...	77	96	90	96	4.5	3.3	
	ECU	2184	...	...	...	...	...	...	...
	PER	7314	...	87	93	69	52	1.9	0.0	
	VEN	13092	...	96	99	73	63	1.6	0.0	
CAP	BRA	10345	85	...	73	73	45	2.2	0.2	
	CRI	57	...	61	97	81	68	0.9	0.0	
	GTM	1506	81	1	96	61	76	1.2	0.2	
	HND	469	92	31	100	73	42	5.3	0.4	
	NIC	185	...	94	100	89	94	2.8	1.6	
	PAN	224	83	37	100	74	96	2.5	0.1	
	SLV	...	...	69	93	89	96	3.3	3.8
	LAC	CAR	714	97	42	94	16	72	5.6	1.4
	CUB	168	100	100	100	100	100	14.3	0.0	
	DOM	247	42	...	90	36	28	0.4	0.0	
CAR	GLP	...	...	...	...	...	...	0.2	0.0
	GUF	...	...	...	...	...	...	0.4	0.0
	HTI	191	95	94	96	83	82	1.6	0.7	
	MTQ	...	...	...	...	...	...	0.0	0.0
	PRI	...	...	...	...	...	...	...	...
	NOA	MEX	93	93	89	81	7.4	0.0
	CAN	...	...	...	...	...	...	...	...
	USA	...	...	...	...	...	...	...	...
	SOC	ARG	779	...	19	89	73	44	1.1	1.0
	CHL	817	...	41	91	96	96	3.5	0.0	
PRY	1024	92	60	75	92	90	7.4	0.3		
URY	155	...	80	100	100	60	0.2	0.0		
Total and Average*		47203	85	80	87	82	70	3.6	0.8	

*Weighted