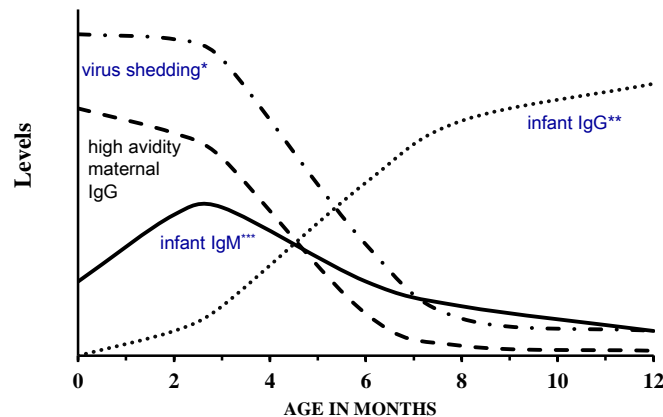


# Measles/Rubella Weekly Bulletin

## Biological markers of immune response and virus excretion in Congenital Rubella Syndrome (CRS)



\*- Almost 100% of CRS cases are positive by PCR at birth.  
\*\*- Approx. relative levels of IgM and IgG antibodies are shown. Infant IgG is typically of low avidity.  
\*\*\* Almost 100% of CRS cases are IgM positive at 1 month of age.

Table.1  
Classification of Suspect Measles, Rubella, and Congenital Rubella Syndrome (CRS) Cases for the Period of Weeks 01-38, 2014

Subregion and Country	Susp. Cases 2014	Measles Confirmed 2014			Year/Week Last Conf. Measles case	Rubella Confirmed 2014			Year/Week Last Conf. Rubella Case	Diagnosis of Discarded Cases 2014		Congenital Rubella Syndrome			Year/Week Last Conf. CRS Case	
		Clin.	Lab.	Total		Clin.	Lab.	Total		Dengue	Others	Susp.	Conf.	CRI*		
AND	BOL	78	0	0	0	2000/40	0	0	0	2006/03	0	73	0	...	...	...
	COL	1397	0	0	0	2013/25	0	0	0	2012/42	0	1310	250	0	0	2005/34
	ECU	...	...	...	...	2012/28	...	...	...	2004/45	...	...	...	...	...	...
	PER	292	0	0	0	2008/18	0	0	0	2006/45	0	253	0	0	...	2007/16
	VEN	385	0	0	0	2012/16	0	0	0	2007/51	26	334	6	...	...	...
BRA	BRA	4937	63	414	477	2014/37	0	0	0	2009/41	0	4127	55	0	...	2009/34
CAP	CRI	28	0	0	0	2005/22	0	0	0	2001/42	1	23	0	0	...	...
	GTM	200	0	0	0	1998/05	0	0	0	2006/30	8	190	4	...	...	2005/00
	HND	75	0	0	0	1997/29	0	0	0	2004/11	16	58	6	0	0	2001/00
	NIC	85	0	0	0	1994/14	0	0	0	2004/19	2	80	16	0	...	2005/00
	PAN	182	0	0	0	2011/20	0	0	0	2002/48	1	178	0	...	...	...
	SLV	377	0	0	0	2001/19	0	0	0	2006/30	0	320	0	0	...	2001/00
CAR	CAR	324	0	0	0	2011/48	0	0	0	2008/18	0	295	0	...	...	1999/00
LAC	CUB	830	0	0	0	1993/27	0	0	0	2004/06	0	830	0	0	...	...
	DOM	39	0	0	0	2011/18	0	0	0	2006/44	0	35	0	...	...	...
	GLP	0	0	0	0	2011/28	0	0	0	...	0	0	...	...	...	2005/00
	GUF	0	0	0	0	2011/26	0	0	0	2010/06	0	0	...	...	...	...
	HTI	92	0	0	0	2001/39	0	0	0	2006/21	0	91	15	0	0	...
	MTQ	1	0	0	0	2011/27	0	0	0	...	0	1	...	...	...	...
	PRI	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
MEX	MEX	3196	0	2	2	2014/04	0	0	0	2012/49	0	2564	0	0	0	...
NOA	CAN	...	385 <sup>a</sup>	127	512 <sup>b</sup>	2014/36	0	1	1	2014/10	...	...	...	...	...	2011/12
	USA	...	...	593	593 <sup>b</sup>	2014/29	0	1	1	2014/16	...	...	...	...	...	2012/44
SOC	ARG	128	0	1	1	2014/33	0	2	2	2014/22	2	83	62	...	...	2009/27
	CHL	128	0	0	0	2011/25	0	0	0	2011/25	0	25	46	0	0	...
	PRY	252	0	0	0	1998/44	0	0	0	2005/21	0	248	4	0	0	2003/06
	URY	0	0	0	0	1999/08	0	0	0	2001/37	0	0	0	...	...	...
<b>TOTAL</b>		<b>13026</b>	<b>448</b>	<b>1137</b>	<b>1585</b>	--	<b>0</b>	<b>4</b>	<b>4</b>	--	<b>56</b>	<b>11118</b>	<b>464</b>	<b>0</b>	<b>0</b>	--

\*Congenital Rubella Infection; (a) Provisional data and subject to change. Cases are epidemiologically linked and pending investigation. (b) Provisional data.

...No report received



# Measles/Rubella Surveillance

**Table No.2**  
Infection Source of Measles and Rubella Confirmed Cases for the Period of Weeks 01-38, 2014

Subregion and Country		Measles				Rubella			
		I	IR	CAC	U	I	IR	CAC	U
AND	BOL								
	COL								
PER	PER								
	VEN				477				
BRA	BRA								
	CRI								
CAP	GTM								
	HND								
NIC	NIC								
	PAN								
SLV	SLV								
	CAR								
LAC	CUB								
	DOM								
GLP	GLP								
	GUF								
HTI	HTI								
	MTQ								
PRI	PRI								
	MEX				2				
NOA	CAN	25	51	436	1				
	USA	103	482	8	1				
SOC	ARG	1			2				
	CHL								
URY	URY								
	<b>TOTAL</b>	<b>129</b>	<b>533</b>		<b>932</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>

**Table No.3**  
Measles/Rubella Suspect Cases Under Investigation for the Period of Weeks 01-38, 2014

Country	Pending Cases 2013	Cumulative 2014	Week of Onset						% Pend.Cases
			1-33	34	35	36	37	38	
BOL	0	5	5	...	...	...	...	...	6
COL	0	87	83	4	0	0	...	...	6
ECU	...	...	...	...	...	...	...	...	...
PER	15	38	30	2	0	1	4	1	13
VEN	0	25	25	0	0	0	0	0	6
BRA	214	376	0	0	0	0	376	0	8
CRI	0	4	4	0	0	0	0	...	14
GTM	0	2	1	1	0	0	0	0	1
HND	0	1	1	0	0	0	0	0	1
NIC	0	3	1	1	1	...	...	...	4
PAN	0	3	3	0	0	0	0	...	2
SLV	0	57	56	1	0	0	...	...	15
CAR	0	29	2	1	2	7	7	10	9
CUB	0	0	0	0	0	0	0	0	0
DOM	0	4	4	0	0	0	0	...	10
GLP	0	0	0	0	0	0	0	0	0
GUF	0	0	0	0	0	0	0	0	0
HTI	0	1	1	0	0	0	0	0	1
MTQ	0	0	0	0	0	0	0	0	0
PRI	...	...	...	...	...	...	...	...	...
MEX	35	6	6	0	0	0	0	0	0
CAN	...	...	...	...	...	...	...	...	...
USA	...	...	...	...	...	...	...	...	...
ARG	84	40	39	0	1	0	0	0	31
CHL	0	13	13	0	0	0	0	0	10
URY	0	4	3	0	1	0	0	0	2
URY	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>348</b>	<b>698</b>	<b>277</b>	<b>10</b>	<b>5</b>	<b>8</b>	<b>387</b>	<b>11</b>	<b>5</b>

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 01-38, 2014

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 (2013/39-2014/38)	
		Total Units	% This Week					Measles/Rubella (100,000 pop.)	CRS (10,000 lb)
AND	BOL	3127	...	99	97	75	88	1.2	0.0
	COL	6288	...	75	94	90	98	4.4	4.3
PER	PER	2184	...	...	...	...	...	...	...
	VEN	7314	...	80	89	69	40	1.5	0.0
BRA	VEN	13092	...	92	97	68	50	1.9	0.2
	BRA	14081	84	0	71	71	47	2.8	0.3
CAP	CRI	57	...	50	86	75	68	0.8	0.0
	GTM	1506	70	8	94	59	80	2.2	0.1
HND	HND	469	88	57	100	72	99	1.5	0.5
	NIC	185	...	94	99	94	95	2.4	1.9
PAN	PAN	223	1	96	97	84	88	6.3	0.1
	SLV	...	...	69	95	85	71	7.8	0.0
CAR	CAR	719	83	32	81	9	88	5.1	0.0
	LAC	150	100	100	100	100	100	17.2	0.0
DOM	DOM	...	...	8	97	61	68	0.6	0.0
	GLP	...	...	...	...	...	...	0.4	...
GUF	GUF	...	...	...	...	...	...	0.4	...
	HTI	144	...	90	99	86	67	1.5	1.1
MTQ	MTQ	...	...	...	...	...	...	...	...
	PRI	...	...	...	...	...	...	...	...
MEX	MEX	11138	...	98	98	87	80	3.5	0.0
	NOA	CAN	...	...	...	...	...	...	...
SOC	USA	...	...	...	...	...	...	...	...
	ARG	779	...	19	94	53	23	0.6	1.5
CHL	CHL	801	98	61	86	92	96	0.6	3.5
	URY	988	93	69	96	94	84	5.2	0.4
URY	URY	155	...	0	0	0	0	0.0	0.0
	<b>Total and Average*</b>	<b>63400</b>	<b>83</b>	<b>83</b>	<b>86</b>	<b>78</b>	<b>69</b>	<b>2.9</b>	<b>0.7</b>

\*Weighted