

Measles/Rubella Weekly Bulletin



Comprehensive Family Immunization/Family, Gender and Life Course
Measles and Rubella Surveillance in the Americas



Vol. 21, No. 20

Week ending 23 May 2015

Measles Outbreaks with genotype information Latin American countries, 2010-2014*

A total of 53 measles outbreaks have been reported between 2010-2014. Out of this total, 25 outbreaks consisted of one case (each), 18 outbreaks consisted of 2-5 cases, 6 outbreaks consisted of 6-20 cases and 4 outbreaks had more than 20 cases. In 57% of the outbreaks, genotype D4 was found (n=30). Genotypes D8 (n=927) and B3 (n=414) were identified as those with the highest number of secondary cases across different years and countries.

Year	Outbreak with 1 case	Outbreaks with 2-5 cases	Outbreaks with 6-20 cases	Outbreaks >20 cases
2010	FRG – 2 (D4)	BRA – 1 (B3)	ARG – 1 (B3) BRA – 1 (B3)	BRA – 1 (B3)
2011	ARG – 1 (D4) BRA – 5 (D4) CHI – 1 (D9) JAM – 1 (B3) MEX – 3 (D4) BRA – 2 (NA)	ARG – 1 (D4) BRA – 6 (D4) CHI – 2 (D4) DOR – 1 (D4) PAN – 1 (D4)	COL – 1 (D4) FRG – 1 (D4) GLP – 1 (D4)	BRA – 1 (D4) ECU – 1 (B3) ^(a)
2012	ARG – 1 (D4) COL – 1 (D4) VEN – 1 (D4)	BRA – 1 (NA)	BRA – 1 (D8)	ECU – 1 (B3) ^(a)
2013	BRA – 2 (D8) BRA – 1 (D4) BRA – 2 (NA) COL – 1 (NA)	BRA – 2 (D8)		BRA – 1 (D8) ^(b)
2014	ARG – 1 (D8) BRA – 1 (B3) BRA – 1 (NA)	BRA – 2 (D8)		BRA – 1 (D8) ^(b)
TOTAL Outbreaks and % genotype ID	27 – (78%)	17 – (94%)	6 – (100%)	6 – (100%)

(a) Same outbreak, B3 NA – Not available
(b) Same outbreak, D8

Source: Country reports through ISIS, MESS, DEF and Excel files to FGL-IM/PAHO; *Data as of May 28th, 2015

Table.1
Classification of Suspect Measles, Rubella, and Congenital Rubella Syndrome (CRS) Cases for the Period of Weeks 01-20, 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.	CRIS*		
AND	BOL	28	0	0	0	2000/40	0	0	0	2006/03	0	27	0	...	...	...
	COL	686	0	0	0	2013/25	0	0	0	2012/42	0	627	198	0	0	2005/34
	ECU	...	...	...	...	2012/28	...	...	...	2004/45	...	...	...	...	...	...
	PER	161	0	0	0	2008/18	0	0	0	2006/45	0	125	0	0	0	2007/16
	VEN	138	0	0	0	2012/16	0	0	0	2007/51	5	132	2	0	0	...
BRA	BRA	2665	10	123	133	2015/20	0	0	0	2014/40	0	2105	7	0	...	2009/34
	CAP	18	0	0	0	2005/22	0	0	0	2001/42	1	17	0	...	...	...
	GTM	47	0	0	0	1998/05	0	0	0	2006/30	2	44	0	0	0	2005/00
	HND	160	0	0	0	1997/29	0	0	0	2004/11	0	159	5	0	0	2001/00
	NIC	79	0	0	0	1994/14	0	0	0	2004/19	0	75	11	0	...	2005/00
	PAN	33	0	0	0	2011/20	0	0	0	2002/48	0	33	0	0	0	...
	SLV	63	0	0	0	2001/19	0	0	0	2006/30	0	48	0	0	0	2001/00
	CAR	131	0	0	0	2011/48	0	0	0	2008/18	1	125	7	0	0	1999/00
	LAC	CUB	496	0	0	0	1993/27	0	0	0	2004/06	0	0	0	0	0
	DOM	11	0	0	0	2011/18	0	0	0	2006/44	0	9	0	...	...	...
	GLP	1	0	0	0	2011/28	0	0	0	...	0	1	...	...	...	2005/00
	GUF	1	0	0	0	2011/26	0	0	0	2010/06	0	1	...	...	...	...
	HTI	76	0	0	0	2001/39	0	0	0	2006/21	0	61	4	0	0	...
	MTQ	0	0	0	0	2011/27	0	0	0	...	0	0	...	...	...	...
	PRI	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
MEX	MEX	1667	0	1	1	2015/02	0	0	0	2012/49	0	1316	0	0	0	...
NOA	CAN	...	...	194	194 ^a	2015/17	0	0	0	2014/10	0	0	0	...	...	2011/12
	USA	...	...	170	170 ^a	2015/17	...	...	...	2014/16	...	...	...	...	...	2012/44
SOC	ARG	44	0	0	0	2014/36	0	0	0	2014/22	1	27	29	0	0	2009/27
	CHL	75	0	1	1	2014/19	0	0	0	2011/25	0	71	0	0	0	...
	PRY	239	0	0	0	1998/44	0	0	0	2005/21	1	172	0	0	0	2003/06
	URY	1	0	0	0	1999/08	0	0	0	2001/37	0	1	0	0	0	...
	TOTAL	6820	10	489	499	--	0	0	0	--	11	5176	263	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 01-20, 2015

Subregion and Country		Measles				Rubella				
		I	IR	CAC	U	I	IR	CAC	U	
AND	BOL									
	COL									
	ECU									
	PER									
	VEN									
BRA CAP	BRA				125					
	CRI									
	GTM									
	HND									
	NIC									
	PAN									
	SLV									
	CAR LAC	CAR								
	CUB									
	DOM									
MEX NOA	GLP									
	GUJ									
	HTI									
	MTQ									
	PRI									
	MEX	1								
	CAN	7	168		19					
	USA	65	100		5					
	SOC	ARG								
		CHL	1							
PRY										
URY										
TOTAL		74	268	0	157	0	0	0	0	

Table No.3
Measles/Rubella Suspect Cases Under Investigation for the Period of Weeks 01-20, 2015

Country	Pending Cases 2014	Cumulative 2015	Week of Onset							% Pend.Cases
			1-15	16	17	18	19	20		
BOL	0	1	1	0	0	0	0	0	0	4
COL	13	59	42	3	4	4	4	2		9
ECU	...	...	...	...	...	...	...	...	...	...
PER	0	36	17	4	5	2	3	5		22
VEN	0	1	1	0	0	0	0	0		1
BRA	431	427	0	0	0	0	427	0		16
CRI	0	0	0	...	...	...	...	...		0
GTM	2	1	1	0	0	0	0	0		2
HND	0	1	1	0	0	0	0	0		1
NIC	0	4	0	1	2	0	1	...		5
PAN	0	0	0	0	0	0	0	0		0
SLV	2	15	8	3	1	2	1	0		24
CAR	0	5	0	0	1	1	1	2		4
LAC	CUB	0	496	246	81	0	17	120	32	100
DOM	0	2	2	0	0	0	0	0		18
GLP	0	0	0	0	0	0	0	...		0
GUJ	0	0	0	0	0	0	0	...		0
HTI	4	15	8	0	3	4	0	0		20
MTQ	0	0	0	0	0	0	0	...		0
PRI	...	...	...	...	...	...	...	...		...
MEX	0	11	11	0	0	0	0	0		1
CAN	...	...	...	...	...	...	...	...		...
USA	...	...	...	...	...	...	...	...		...
ARG	31	16	16	0	0	0	0	0		36
CHL	0	3	1	0	0	0	1	1		4
PRY	2	66	44	3	9	5	0	5		28
URY	0	0	...	...	...	...	...	...		0
TOTAL		485	1159	399	95	25	35	558	47	17

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 01-20, 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 (2014/22-2015/20)		
		Total Units	% This Week					Measles/Rubella (100,000 pop.)	CRS (10,000 lb)	
AND	BOL	3258	...	100	100	96	81	1.2	0.0	
	COL	5449	...	78	93	91	98	5.5	1.9	
	ECU	2184	...	...	...	...	...	...	...
	PER	7314	...	73	91	65	42	1.4	0.0	
	VEN	13092	...	95	99	79	60	1.9	0.1	
BRA CAP	BRA	8924	99	...	68	68	52	3.1	0.3	
	CRI	57	...	67	94	83	72	1.0	0.0	
	GTM	1506	83	2	96	52	78	1.6	0.1	
	HND	469	92	24	100	74	37	5.7	0.2	
	NIC	185	6	96	100	88	93	3.0	0.4	
	PAN	224	81	48	100	78	94	4.0	0.3	
	SLV	...	...	71	97	92	93	5.6	3.8
	CAR LAC	CAR	714	83	41	94	19	67	6.3	1.4
	CUB	150	100	100	100	100	100	10.3	0.0	
	DOM	247	100	10	0.2	0.0
MEX NOA	GLP	...	...	...	...	...	...	0.2	...
	GUJ	...	...	...	...	...	...	0.4	...
	HTI	191	94	92	95	88	86	1.2	0.2	
	MTQ	...	...	...	...	...	...	0.2	...
	PRI	...	...	...	...	...	...	...	...
	MEX	...	...	98	96	89	86	4.2	0.0
	CAN	...	...	...	...	...	...	...	...
	USA	...	...	...	...	...	...	...	...
	SOC	ARG	779	...	18	98	65	49	0.9	0.4
		CHL	817	86	39	95	86	89	1.7	0.0
PRY		999	91	52	69	96	85	6.2	0.3	
URY		155	...	100	100	100	100	0.3	0.0	
Total and Average*		46714	94	82	84	79	72	3.1	0.7	

*Weighted