Measles/RubellaWeeklyBulletin

Comprehensive Family Immunization/Family,Gender and Life Course
Measles and Rubella Surveillance in the Americas
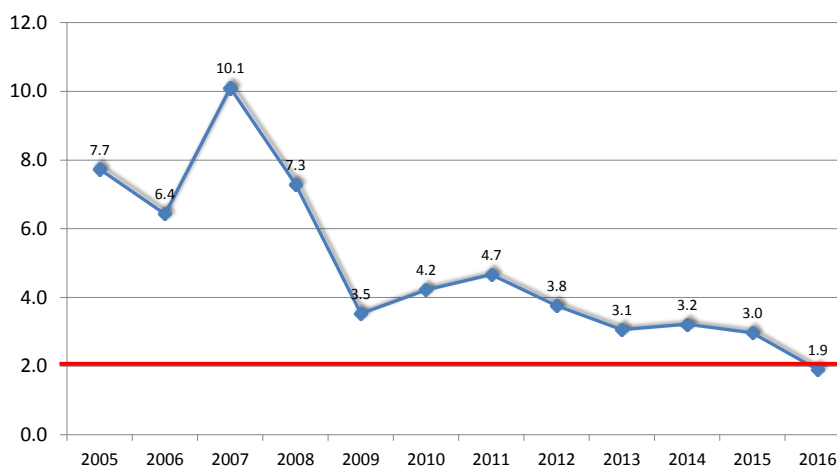
Notification rate of suspected measles/rubella cases
Latin America and the Caribbean, 2005-2016*

The reporting rate for suspected measles/rubella cases at the regional level has dropped significantly since 2012 and in 2016, reached its lowest point: 1.9 per 100,000 population. This drastic decrease can be owed to various factors, but mainly to the presence of arbovirus-related diseases like Zika, Chikungunya and dengue, which may have hidden potential measles and rubella cases. Zika cases present clinical symptoms similar to measles and rubella, like maculopapular rash, conjunctivitis, myalgia or arthralgia.

Chart data points: 2005: 7.7; 2006: 6.4; 2007: 10.1; 2008: 7.3; 2009: 3.5; 2010: 4.2; 2011: 4.7; 2012: 3.8; 2013: 3.1; 2014: 3.2; 2015: 3.0; 2016: 1.9

Source: ISIS, MESS and country reports.
* Data as of epidemiological week 7, 2017.

Table.1
Classification of Suspect Measles, Rubella, and Congenital Rubella Syndrome (CRS) Cases for the Period of Weeks 01-07, 2017

Subregion and Country		Susp. Cases 2017	Measles Confirmed 2017			Year/Week Last Conf. Measles case	Rubella Confirmed 2017			Year/Week Last Conf. Rubella Case	Diagnosis of Discarded Cases 2017		Congenital Rubella Syndrome			Year/Week Last Conf. CRS Case
			Clin.	Lab.	Total		Clin.	Lab.	Total		Dengue	Others	Susp.	Conf.	CRI*	
AND	BOL	4	…	…	…	2000-40	…	…	…	2006-03	0	2	0	0	0	…
	COL	91	0	0	0	2015-35	0	0	0	2012-31	0	81	31	0	0	2005/34
	ECU	…	…	…	…	2016-14	…	…	…	2004-49	0	0	0	…	…	2011/14
	PER	34	0	0	0	2015-25	0	0	0	2009-04	0	34	0	0	0	2007/16
	VEN	27	0	0	0	2012-17	0	0	0	2015-52	0	23	1	0	0	…
BRA	BRA	81	0	0	0	2015-32	0	0	0	2014-40	0	37	4	0	0	2009/34
CAP	CRI	0	0	0	0	2014-09	0	0	0	2001-39	0	0	21	0	0	…
	GTM	0	0	0	0	1998-05	0	0	0	2006-31	0	0	1	0	0	2005/00
	HND	1	0	0	0	1998-16	0	0	0	2004-11	0	1	0	0	0	2001/00
	NIC	8	0	0	0	1994/14	…	…	…	2004-19	0	6	9	0	0	2005/00
	PAN	8	0	0	0	2011-20	0	0	0	2002-48	0	4	0	0	0	…
	SLV	17	0	0	0	2001-19	0	0	0	2006-30	0	9	0	0	0	2001/00
CAR	CAR	21	0	0	0	2011/48	0	0	0	2008/18	0	19	0	0	0	1999/00
LAC	CUB	…	…	…	…	1993/27	…	…	…	2004/06	…	…	…	…	…	…
	DOM	0	0	0	0	2011-18	0	0	0	2007-45	0	0	0	0	0	…
	HTI	7	0	0	0	2001-39	0	0	0	2006-21	0	1	27	0	0	…
MEX	MEX	321	0	0	0	2015-02	0	0	0	2001-25	0	239	0	0	0	…
NOA	CAN	…	…	3	3ᵃ	2017/06	0	0	0	2016/06	0	0	0	0	0	2015/50
	USA	…	…	13	13ᵃ	2017/04	…	…	…	2016/03	0	0	0	…	…	2015/00
SOC	ARG	22	0	0	0	2014-33	0	0	0	2014-22	0	13	4	0	0	2009/27
	CHL	27	0	0	0	2015-27	0	0	0	2011-25	0	26	0	0	0	…
	PRY	71	0	0	0	1998-44	0	0	0	2005-21	0	68	0	0	0	2003/06
	URY	…	…	…	…	1999/08	…	…	…	2001/37	…	…	…	…	…	…
TOTAL		**740**	**0**	**16**	**16**	**--**	**0**	**0**	**0**	**--**	**0**	**563**	**98**	**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 01-07, 2016

Subregion and Country		Measles				Rubella			
		I	IR	CAC	U	I	IR	CAC	U
AND	BOL								
	COL								
	ECU								
	PER								
	VEN								
BRA	BRA								
CAP	CRI								
	GTM								
	HND								
	NIC								
	PAN								
	SLV								
CAR	CAR								
LAC	CUB								
	DOM								
	HTI								
MEX	MEX								
NOA	CAN				3				
	USA	6	6		1				
SOC	ARG								
	CHL								
	PRY								
	URY								
TOTAL		**6**	**6**	**0**	**4**	**0**	**0**	**0**	**0**

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

Table No.3
Measles/Rubella Suspect Cases Under Investigation for the Period of Weeks 01-07, 2016

Country	Pending Cases 2016	Cumulative 2017	Week of Onset						% Pend. Cases
			1-2	3	4	5	6	7	
BOL	0	2	1	1	0	0	0	…	50
COL	15	10	1	0	3	3	1	2	11
ECU	19	…	…	…	…	…	…	…	…
PER	0	0	0	0	0	0	0	0	0
VEN	3	4	4	0	0	0	0	0	15
BRA	184	41	18	14	8	1	0	0	51
CRI	0	0	0	0	0	0	0	0	0
GTM	3	0	0	0	0	0	0	0	0
HND	0	0	0	0	0	0	0	0	0
NIC	0	2	0	2	0	0	0	…	25
PAN	0	4	1	0	1	0	1	1	50
SLV	2	8	1	1	1	1	3	1	47
CAR	1	2	1	0	1	0	0	0	10
CUB	0	…	…	…	…	…	…	…	…
DOM	1	0	0	0	0	0	0	…	0
HTI	8	6	0	3	2	1	0	…	86
MEX	107	82	13	8	14	8	16	23	26
CAN	…	…	…	…	…	…	…	…	…
USA	…	…	…	…	…	…	…	…	…
ARG	43	9	2	4	2	1	0	…	41
CHL	0	1	1	0	0	0	0	0	4
PRY	7	3	1	1	0	0	1	0	4
URY	0	…	…	…	…	…	…	…	…
TOTAL	**393**	**174**	**44**	**34**	**32**	**15**	**22**	**27**	**24**

… No report received

Table 4
Indicators of Integrated Measles/Rubella Surveillance for the Period of Weeks 01-07, 2017

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 (2016/08-2017/07)	
		Total Units	% This Week					Measles/Rubella (100,000 pop.)	CRS (10,000 lb)
AND	BOL	3514	…	75	100	50	25	0.9	0.0
	COL	5180	95	70	92	90	99	2.7	0.4
	ECU	3208	…	…	…	…	…	1.0	0.0
	PER	7771	84	88	100	79	59	1.2	0.0
	VEN	13092	…	100	96	85	88	2.1	0.0
	BRA	12498	72	…	47	47	63	0.9	0.0
CAP	CRI	57	…	0	0	0	0	0.6	0.0
	GTM	1506	86	0	0	0	0	1.1	0.0
	HND	470	91	0	100	100	0	0.6	0.0
	NIC	370	…	100	100	100	100	1.9	0.8
	PAN	306	…	38	100	100	100	1.3	0.0
	SLV	1255	…	76	88	93	87	3.1	0.0
CAR	CAR	700	78	86	100	10	86	5.8	2.6
LAC	CUB	…	…	…	…	…	…	5.1	0.0
	DOM	247	…	0	0	0	0	0.7	0.0
	HTI	320	…	71	100	29	29	0.6	1.1
MEX	MEX	20146	…	94	98	83	84	3.1	0.0
NOA	CAN	…	…	…	…	…	…	…	…
	USA	…	…	…	…	…	…	…	…
SOC	ARG	809	…	23	82	67	67	0.7	0.1
	CHL	778	84	41	81	96	91	1.2	0.0
	PRY	1135	87	68	100	94	94	5.8	0.0
	URY	345	…	…	…	…	…	0.0	0.0
Total and Average*		**73707**	**33**	**82**	**91**	**79**	**83**	**1.8**	**0.2**

*Weighted

… No report received