

Measles/Rubella Weekly Bulletin



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

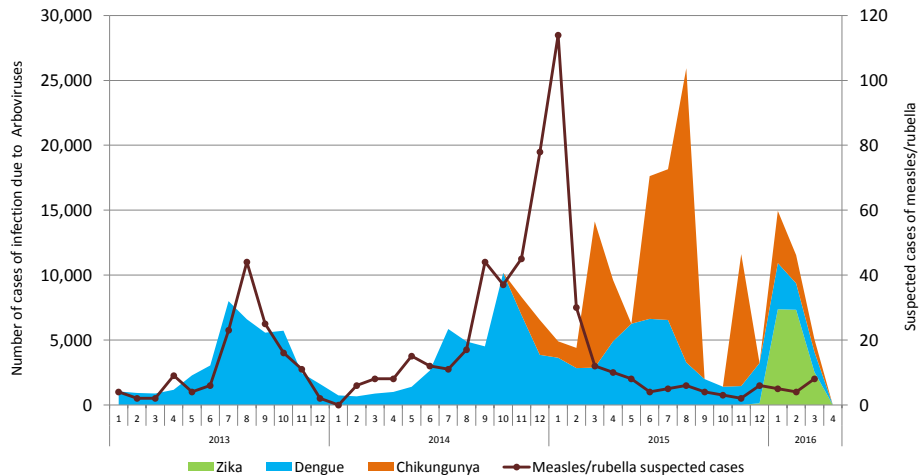


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Week ending 23 April 2016

Reported cases of arboviruses (dengue, chikungunya, and Zika virus) and suspected measles and rubella cases, Honduras, 2013-2016*

Chikungunya and Zika viruses were introduced in Honduras in November 2014 and December 2015 respectively, and reported cases of both viruses and dengue started increasing. This increase was not observed in the notification of suspected measles-rubella (MR) cases for the 2015-2016 period. However, during the first chikungunya outbreak in November 2014, a steady increase in the number of suspected MR cases was reported, resulting in a total of 348 cases (September 2014-February 2015). These observations highlight the need to update MR surveillance information on a weekly basis in order to conduct reliable and integrated analyses with arbovirus surveillance, for evidence-based decision making.



Source: Surveillance reports to PAHO/WHO from the Honduras Ministry of Health
*Data reported as of 28 April 2016.

Table.1
Classification of Suspect Measles, Rubella, and Congenital Rubella Syndrome (CRS) Cases for the Period of Weeks 01-16, 2016

Subregion and Country	Susp. Cases 2016	Measles Confirmed 2016			Year/Week Last Conf. Measles case	Rubella Confirmed 2016			Year/Week Last Conf. Rubella Case	Diagnosis of Discarded Cases 2016		Congenital Rubella Syndrome			Year/Week Last Conf. CRS Case	
		Clin.	Lab.	Total		Clin.	Lab.	Total		Dengue	Others	Susp.	Conf.	CR1*		
AND	BOL	31	0	0	0	2000/40	0	0	0	2006/03	0	31	0	0	0	...
	COL	351	0	0	0	2015/36	0	0	0	2012/42	0	296	158	0	0	2005/34
	ECU	71	0	0	0	2012/28	0	0	0	2004/45	0	60	0	0	0	2011/14
	PER	106	0	0	0	2015/25	0	0	0	2006/45	0	76	0	0	0	2007/16
	VEN	44	0	0	0	2012/16	0	0	0	2007/51	5	39	0	0	0	...
BRA	BRA	665	0	0	0	2015/32	0	0	0	2014/40	0	366	26	0	0	2009/34
CAP	CRI	4	0	0	0	2005/22	0	0	0	2001/42	0	2	0	0	0	...
	GTM	33	0	0	0	1998/05	0	0	0	2006/30	1	32	0	0	0	2005/00
	HND	17	0	0	0	1997/29	0	0	0	2004/11	1	16	5	0	0	2001/00
	NIC	20	0	0	0	1994/14	0	0	0	2004/19	0	20	19	0	0	2005/00
	PAN	18	0	0	0	2011/20	0	0	0	2002/48	0	17	0	0	0	...
	SLV	23	0	0	0	2001/19	0	0	0	2006/30	0	16	0	0	0	2001/00
CAR	CAR	132	0	0	0	2011/48	0	0	0	2008/18	0	123	9	0	0	1999/00
LAC	CUB	104	0	0	0	1993/27	0	0	0	2004/06	0	104	0	0	0	...
	DOM	0	0	0	0	2011/18	0	0	0	2006/44	0	0	0	0	0	...
	GLP	0	0	0	0	2011/28	0	0	0	...	0	0	0	...	...	2005/00
	GUF	0	0	0	0	2011/26	0	0	0	2010/06	0	0	0	...	...	...
	HTI	12	0	0	0	2001/39	0	0	0	2006/21	0	8	0	0	0	...
	MTQ	0	0	0	0	2011/27	0	0	0	...	0	0	0	...	...	...
MEX	MEX	692	0	0	0	2015/02	0	0	0	2012/49	0	609	0	0	0	...
NOA	CAN	...	...	6	6 ^a	2016/11	0	1	1	2016/06	...	...	...	...	...	2015/50
	USA	...	...	4	4 ^a	2016/11	...	1	1	2016/03	...	...	...	...	...	2015/00
SOC	ARG	69	0	0	0	2014/36	0	0	0	2014/22	4	21	25	0	0	2009/27
	CHL	54	0	0	0	2015/27	0	0	0	2011/25	0	49	10	0	0	...
	PRY	158	0	0	0	1998/44	0	0	0	2005/21	3	110	0	0	0	2003/06
	URY	0	0	0	0	1999/08	0	0	0	2001/37	0	0	0	...	...	...
TOTAL		2604	0	10	10	--	0	2	2	--	14	1995	252	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 01-16, 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									
CAR	SLV								
	LAC	CAR							
		CUB							
		DOM							
		GLP							
GUF									
MEX	HTI								
	MTQ								
	MEX								
	NOA	CAN	6				1		
		USA	4				1		
SOC	ARG								
	CHL								
	PRY								
URY									
TOTAL		10	0	0	0	2	0	0	0

Table No.3
Measles/Rubella Suspect Cases Under Investigation for the Period of Weeks 01-16, 2016

Country	Pending Cases 2015	Cumulative 2016	Week of Onset							% Pend.Cases	
			1-11	12	13	14	15	16			
BOL	0	0	0	0	0	0	0	0	0	0	
COL	16	55	55	0	0	0	0	0	0	16	
ECU	42	11	9	1	1	0	...	...	...	15
PER	21	30	13	2	3	5	6	1	...	28	
VEN	0	0	0	0	0	0	0	0	0	0	
BRA	234	299	223	15	25	17	19	0	...	45	
CAP	CRI	0	2	2	0	0	0	0	0	50	
	GTM	1	0	0	0	0	0	0	0	0	
	HND	0	0	0	0	0	0	0	0	0	
	NIC	0	0	0	0	0	0	0	...	0	
	PAN	1	1	0	1	0	0	0	0	6	
CAR	SLV	8	7	7	0	0	0	0	...	30	
	LAC	CAR	1	9	4	0	0	3	2	0	7
		CUB	0	0	0	0
		DOM	48	0	0	0	0	0	0
		GLP	0	0	0	0
GUF		0	0	0	...	...	...	...	...	0
MEX	HTI	7	4	2	0	1	1	...	...	33
	MTQ	0	0	0	...	...	...	...	...	0
	MEX	0	0	0	0	0	0	0	0	0	
	NOA	CAN
		USA
SOC	ARG	2	44	27	2	6	5	4	0	64	
	CHL	23	5	2	1	0	0	1	1	9	
	PRY	10	45	21	5	6	6	5	2	28	
URY	0	0	0	0	0	0	0	0	0		
TOTAL		414	512	365	27	42	37	37	4	20	

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 01-16, 2016

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 (2015/17-2016/16)		
		Total Units	% This Week					Measles/Rubella (100,000 pop.)	CRS (10,000 lb)	
AND	BOL	3514	...	100	100	52	81	1.1	0.0	
	COL	5345	...	75	87	80	92	4.2	3.3	
	ECU	2184	...	80	97	75	84	1.8	0.0	
	PER	7314	...	86	92	72	29	2.2	0.0	
	VEN	13092	...	95	100	73	59	1.8	0.1	
CAP	BRA	14581	64	...	27	27	30	1.9	0.1	
	CAP	CRI	57	...	75	100	100	75	0.7	0.0
		GTM	1506	91	12	94	64	85	1.1	0.5
		HND	470	91	82	100	76	100	0.8	0.3
		NIC	185	3	85	100	100	95	1.8	1.4
PAN		271	78	100	100	72	94	1.8	0.1	
CAR	SLV	1243	0	74	100	91	74	3.4	3.8	
	LAC	CAR	714	75	86	98	18	78	4.0	1.7
		CUB	168	...	100	100	100	100	9.1	0.0
		DOM	247	...	0	0	0	0	0.3	0.0
		GLP	0.0	0.0
GUF		...	...	...	...	...	...	0.4	0.0
MEX	HTI	320	...	92	100	67	58	1.1	1.2	
	MTQ	...	...	...	...	...	...	0.0	0.0
	MEX	139	...	96	95	94	87	0.6	0.0	
	NOA	CAN
		USA
SOC	ARG	784	...	23	81	77	52	1.0	0.4	
	CHL	817	86	13	91	94	98	4.0	0.4	
	PRY	1050	90	81	97	81	83	8.2	0.3	
URY	165	...	0	0	0	0	0.2	0.0		
Total and Average*		54166	68	83	77	67	69	2.0	0.7	

*Weighted

... No report received