

Measles/Rubella Weekly Bulletin



Measles and rubella surveillance indicators, 2016

In 2016, only seven of 20 countries and the English Caribbean sub-region (CAR) have a reporting rate of suspected measles and rubella cases of ≥ 2 x 100,000 population, and met at least 4 of the 6 surveillance indicators. As a result, there was a significant reduction in the regional reporting rate to 1.9 x 100,000 population. Eleven of the 13 remaining countries did not meet either the reporting rate or at least 4 of the 6 indicators. Countries should maintain a sensitive surveillance system, with a reporting rate of at least ≥ 2 x 100,000 population.

Country	No. of suspected MR cases 2015	No. of suspected MR cases 2016	Rate of suspected MR cases per 100,000 population	% Cases with adequate investigation	% Cases with adequate sample	% Blood samples received in lab. \leq 5 days	% Lab. results \leq 4 días days	% Sites reporting weekly ^(a)	Indicators met
CAR	288	504	6.60	88	97	22	79	93	4/6
PRY	568	389	5.78	81	96	83	74	88	5/6
CUB	1,247	617	5.42	100	100	100	100	100	6/6
COL	2,234	1,531	3.15	76	97	88	93	94	5/6
SLV	266	193	3.14	67	94	89	80	43	4/6
MEX	4,648	3,957	3.08	95	98	87	81	...	5/6
VEN	674	789	2.50	95	99	74	65	84	4/6
NIC	161	124	2.02	95	98	97	87	100	6/6
DOM	119	174	1.62	1	98	65	50	41	1/6
PAN	72	57	1.43	88	100	67	98	93	4/6
PER	670	410	1.29	96	100	75	34	79	2/6
ECU	337	208	1.27	92	98	76	72	0	2/6
GTM	175	206	1.24	2	97	56	73	79	1/6
BOL	115	121	1.11	99	98	55	83	...	2/6
CHL	703	215	1.19	34	80	91	92	87	4/6
BRA	5,809	2,179	1.04	0	39	39	56	70	0/6
CRI	48	36	0.74	67	92	81	92	...	3/6
ARG	413	321	0.72	17	93	62	53	6	1/6
HND	197	58	0.71	81	100	76	100	91	4/6
HTI	170	56	0.52	91	96	77	70	79	2/6
URY	10	0	0.00	0	0	0	0	0	0/6
Total	18,924	12,145							

^(a) Average from EW 1-52, 2016 ^(b) No data

Source: Country reports through ISIS, MESS and Excel to FGL-IM/PAHO
Data as of epidemiological week 9, 2017.

Table.1
Classification of Suspect Measles, Rubella, and Congenital Rubella Syndrome (CRS) Cases for the Period of Weeks 01-09, 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	5	...	...	...	2000-40	...	...	...	2006-03	0	5	0	0	0	...
	COL	128	0	0	0	2015-35	0	0	0	2012-31	0	122	66	0	0	2005/34
	ECU	0	...	...	...	2016-14	...	...	...	2004-49	0	0	0	...	...	2011/14
	PER	42	0	0	0	2015-25	0	0	0	2009-04	2	37	0	0	0	2007/16
	VEN	49	0	0	0	2012-17	0	0	0	2015-52	0	44	2	0	0	...
BRA	BRA	163	0	0	0	2015-32	0	0	0	2014-40	0	118	7	0	0	2009/34
CAP	CRI	0	0	0	0	2014-09	0	0	0	2001-39	0	0	21	0	0	...
	GTM	10	0	0	0	1998-05	0	0	0	2006-31	0	8	1	0	0	2005/00
	HND	3	0	0	0	1998-16	0	0	0	2004-11	0	2	1	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	27	0	0	0	2001-19	0	0	0	2006-30	0	18	0	0	0	2001/00
CAR	CAR	26	0	0	0	2011/48	0	0	0	2008/18	0	23	0	0	0	1999/00
LAC	CUB	...	...	...	...	1993/27	...	...	...	2004/06	...	...	...	...	...	...
	DOM	2	0	0	0	2011-18	0	0	0	2007-45	0	0	0	0	0	...
	HTI	12	0	0	0	2001-39	0	0	0	2006-21	0	1	2	0	0	...
MEX	MEX	465	0	0	0	2015-02	0	0	0	2001-25	0	346	0	0	0	...
NOA	CAN	...	...	8	8 ^a	2017/08	0	0	0	2016/06	0	0	0	0	0	2015/50
	USA	...	...	13	13 ^a	2017/04	...	...	...	2016/03	...	...	...	...	...	2015/00
SOC	ARG	26	0	0	0	2014-33	0	0	0	2014-22	0	16	14	0	0	2009/27
	CHL	31	0	0	0	2015-27	0	0	0	2011-25	0	29	0	0	0	...
	PRY	89	0	0	0	1998-44	0	0	0	2005-21	0	86	0	0	0	2003/06
	URY	...	...	...	...	1999/08	...	...	...	2001/37	...	...	...	...	...	...
TOTAL	1094	0	21	21	--	0	0	0	--	2	865	123	0	0	--	--

*Congenital Rubella Infection; (a) Provisional data.

...No report received



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Measles/Rubella Surveillance

Table No.2
Infection Source of Measles and Rubella Confirmed Cases for the Period of Weeks 01-09, 2017

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								
	LAC								
	CUB								
	DOM								
	HTI								
MEX	MEX								
NOA	CAN				8				
	USA	6	6		1				
SOC	ARG								
	CHL								
	PRY								
	URY								
TOTAL		6	6	0	8	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 01-09, 2017

Country	Pending Cases 2016	Cumulative 2017	Week of Onset						% Pend. Cases	
			1-4	5	6	7	8	9		
BOL	0	0	0	0	0	0	0	0	0	
COL	10	6	4	1	0	0	0	1	5	
ECU	19	...	...	...	...	...	...	...	...
PER	0	3	0	0	0	0	3	...	7	
VEN	3	5	4	1	0	0	0	0	10	
BRA	184	42	20	8	9	5	0	0	26	
CAP										
	CRI	0	0	0	0	0	0	...	0	
	GTM	3	2	1	1	0	0	0	20	
	HND	0	1	0	0	0	0	1	33	
	NIC	0	2	2	0	0	...	...	25
	PAN	0	4	2	0	1	1	0	50	
	SLV	2	9	1	1	5	2	0	33	
CAR										
	CAR	1	3	0	0	0	2	1	12	
	CUB	0	...	...	...	...	...	...	...
	DOM	2	2	1	0	1	...	...	100
	HTI	8	11	5	3	2	1	0	92	
MEX	MEX	107	119	36	7	16	12	17	31	
NOA										
	CAN	...	...	...	...	...	...	...	...
	USA	...	...	...	...	...	...	...	...
SOC										
	ARG	16	10	6	1	1	1	0	1	38
	CHL	0	2	1	0	0	0	1	0	6
	PRY	7	3	2	0	1	0	0	0	3
	URY	0
TOTAL		362	224	85	23	36	24	23	33	20

... No report received

Table 4
Indicators of Integrated Measles/Rubella Surveillance for the Period of Weeks 01-09, 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 (2016/10-2017/09)		
		Total Units	% This Week					Measles/Rubella (100,000 pop.)	CRS (10,000 lb)	
AND	BOL	3514	...	80	100	100	80	0.9	0.0	
	COL	5180	95	71	97	89	98	2.7	0.0	
	ECU	3208	...	...	...	...	...	0.9	0.0
	PER	7771	...	86	98	78	59	1.2	0.0	
	VEN	13092	...	98	98	73	83	2.0	0.0	
BRA	BRA	14886	62	0	46	46	68	0.8	0.0	
	CAP									
		CRI	57	...	0	0	0	0	0.6	3.1
		GTM	1506	74	0	90	40	70	1.1	0.0
		HND	470	91	100	100	67	67	0.6	0.0
		NIC	370	...	100	100	100	100	1.8	0.8
		PAN	306	...	38	100	100	100	1.3	0.0
		SLV	2512	92	81	96	96	88	3.2	0.0
	CAR									
		CAR	700	89	85	100	8	77	5.5	2.6
LAC										
	CUB	...	...	...	...	...	...	4.7	0.0
	DOM	247	...	0	100	0	0	0.6	0.0	
	HTI	320	83	83	100	17	17	0.6	0.0	
MEX	MEX	20146	...	95	98	84	85	3.1	0.0	
NOA										
	CAN	...	...	...	...	...	...	...	...
	USA	...	...	...	...	...	...	...	...
SOC										
	ARG	809	...	23	81	71	67	0.7	0.0	
	CHL	778	84	35	81	96	92	1.2	0.0	
	PRY	1136	93	62	100	96	94	5.7	0.0	
	URY	345	...	...	...	...	...	0	0.0
Total and Average*		77353	27	83	89	77	83	1.7	0.1	

*Weighted

... No report received