

Measles/Rubella Weekly Bulletin



Rate of suspected measles and rubella cases Epidemiological weeks (EW) 1 to 24, 2017*

Expected rate EW 24: 0.92 x 100,000 pop.

Countries	No suspected cases EW 24	Observed rate EW 24	No of expected cases EW 24	No of expected cases 52 weeks
PRY	251	3.73	62	135
CUB	284	2.49	105	228
SLV	88	1.43	57	123
CAR	96	1.27	70	152
MEX	1,526	1.19	1,187	2,573
ECU	143	0.87	151	328
COL	406	0.83	449	973
NIC	48	0.78	57	123
VEN	230	0.73	291	630
PAN	25	0.63	37	80
HND	51	0.62	76	164
HTI	62	0.57	100	217
PER	139	0.44	293	635
CHL	76	0.42	167	363
GTM	65	0.39	154	333
ARG	143	0.33	405	877
BRA	580	0.28	1,934	4,191
BOL	26	0.24	101	218
DOM	19	0.18	98	213
CRI	5	0.10	45	97
URY	0	0.00	32	69
Total	4,263	0.67	5,871	12,721

≥0.92 x 100,000 pop. 0.91-0.46 x 100,000 pop. <0.46 x 100,000 pop.

Source: Surveillance country reports through ISIS, MESS and Excel files to FGL-IM/PAHO
*Data as of EW 24, 2017

The sensitivity of the surveillance system for measles, rubella and congenital rubella syndrome has reached the lowest level in the history of post-elimination, given that as of epidemiological week 24, the expected rate of reporting suspected cases was 0.92 cases per 100,000 population. Only four countries and the sub-region of the English-speaking Caribbean countries have maintained the minimum expected rate. If we do not take immediate actions to increase the reporting rate, the Region will be at high risk of not detecting suspected cases in a timely manner and of reestablishing the endemic transmission of these viruses.

Table.1
Classification of Suspect Measles, Rubella, and Congenital Rubella Syndrome (CRS) Cases for the Period of Weeks 01-25, 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	28	0	0	0	2000-40	0	0	0	2006-03	0	26	0	0	0	...	
	COL	437	0	0	0	2015-35	0	0	0	2012-31	0	428	207	0	0	2005/34	
	ECU	143	0	0	0	2016-14	0	0	0	2004-49	0	124	0	0	0	2004/49	
	PER	159	0	0	0	2015-25	0	0	0	2009-04	2	136	0	0	0	2007/16	
BRA	VEN	251	0	0	0	2012-17	0	0	0	2015-52	1	250	33	0	0	...	
	BRA	636	0	0	0	2015-32	0	0	0	2014-40	0	538	17	0	0	2009/34	
	CAP	CRI	16	0	0	0	2014-09	0	0	0	2001-39	0	16	60	0	0	...
	GTM	65	0	0	0	0	1998-05	0	0	0	2006-31	1	64	2	0	0	2005/00
CAR	HND	67	0	0	0	0	1998-16	0	0	0	2004-11	0	65	12	0	0	2001/00
	NIC	53	0	0	0	0	1994/14	0	0	0	2004-19	0	45	24	0	0	2005/00
	PAN	26	0	0	0	0	2011-20	0	0	0	2002-48	0	23	0	0	0	...
	SLV	89	0	0	0	0	2001-19	0	0	0	2006-30	0	73	0	0	0	2001/00
LAC	CAR	96	0	0	0	0	2011/48	0	0	0	2008/18	0	94	51	0	0	1999/00
	CUB	284	0	0	0	0	1993/27	0	0	0	2004/06	0	284	0	0	0	...
	DOM	19	0	0	0	0	2011-18	0	0	0	2007-45	0	16	0	0	0	...
	HTI	62	0	0	0	0	2001-39	0	0	0	2006-21	0	48	10	0	0	...
MEX	MEX	1629	0	0	0	0	2015-02	0	0	0	2001-25	0	1293	0	0	0	...
	NOA	...	0	43	43 ^a	0	2017/21	0	0	0	2016/06	0	0	0	...	...	2015/50
SOC	USA	...	0	108	108 ^a	0	2017/20	0	1	1	2017/20	0	0	0	...	...	2015/00
	ARG	146	0	3	3	0	2017-17	0	0	0	2014-22	0	93	68	0	0	2009/27
	CHL	76	0	0	0	0	2015-27	0	0	0	2011-25	0	72	53	0	0	...
	PRY	257	0	0	0	0	1998-44	0	0	0	2005-21	1	251	0	0	0	2003/06
URY	0	0	0	0	0	1999/08	0	0	0	2001/37	0	0	0	0	0	...	
TOTAL	4539	0	154	154	--	0	1	1	--	5	3939	537	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 01-25, 2017

Subregion and Country		Measles				Rubella			
		I	IR	CAC	U	I	IR	CAC	U
AND	BOL								
	COL								
	ECU								
	PER								
	VEN								
BRA	BRA								
	CRI								
	GTM								
	HND								
	NIC								
CAR	PAN								
	SLV								
	CAR								
	CUB								
	DOM								
MEX	HTI								
	MEX								
NOA	CAN	7	31		13				
	USA	16	84			1			
SOC	ARG	1	2						
	CHL								
	PRY								
	URY								
TOTAL		24	117	0	13	1	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 01-25, 2017

Country	Pending Cases 2016	Cumulative 2017	Week of Onset							% Pend. Cases
			1-20	21	22	23	24	25		
BOL	0	2	2	0	0	...	...	...	8
COL	11	9	5	1	2	1	0	0	2	
ECU	11	19	12	4	3	0	0	0	13	
PER	0	21	12	4	3	0	0	2	15	
VEN	0	0	0	0	0	0	0	0	0	
BRA	184	0	0	14	11	7	1	0	0	
CRI	1	0	0	0	0	0	0	0	0	
GTM	3	0	0	0	0	0	0	...	0	
HND	0	2	2	0	0	0	0	0	4	
NIC	0	8	0	0	4	0	3	1	17	
PAN	0	3	1	0	1	0	0	1	12	
SLV	2	16	7	2	3	2	2	...	18	
CAR	0	2	1	0	1	0	0	0	2	
CUB	0	0	0	0	0	0	0	0	0	
DOM	2	3	3	0	0	0	0	...	16	
HTI	0	14	13	0	1	0	0	0	23	
MEX	0	335	182	23	24	19	28	59	22	
CAN	...	...	...	...	...	...	...	...	...
USA	...	...	...	...	...	...	...	...	...
ARG	2	50	35	6	3	2	1	3	35	
CHL	0	4	2	0	1	0	1	0	5	
PRY	0	5	5	0	0	0	0	0	2	
URY	0	0	0	...	...	...	...	...	0
TOTAL	216	493	282	54	57	31	36	66	12	

... No report received

Table 4

Indicators of Integrated Measles/Rubella Surveillance for the Period of Weeks 01-25, 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 (2017/26-2017/25)	
		Total Units	% This Week					Measles/Rubella (100,000 pop.)	CRS (10,000 lb)
AND	BOL	3514	...	96	100	75	64	0.7	0.0
	COL	5230	96	76	98	86	98	2.4	10.3
	ECU	3208	...	95	100	73	78	1.8	0.0
	PER	7771	...	84	92	73	54	1.2	0.0
	VEN	13092	...	100	100	61	70	2.0	0.7
CAP	BRA	14876	...	...	...	...	...	0.7	0.2
	CRI	57	...	75	94	75	88	0.7	18.1
	GTM	1541	...	0	95	54	80	1.0	0.0
	HND	470	91	57	100	79	100	1.1	1.8
	NIC	185	100	96	100	96	83	2.1	6.2
CAR	PAN	345	83	77	100	92	96	1.2	0.0
	SLV	1256	...	71	94	98	88	3.1	0.0
	CAR	700	86	95	97	12	74	4.1	6.6
	LAC	168	...	100	100	100	100	12.2	0.0
	DOM	247	...	0	100	68	37	0.4	0.0
MEX	HTI	368	88	90	95	48	65	0.9	1.5
	MEX	20146	...	96	98	90	87	3.0	0.0
NOA	CAN	...	...	...	...	...	...	...	...
	USA	...	...	...	...	...	...	...	...
SOC	ARG	809	...	26	82	66	70	0.7	2.3
	CHL	782	81	39	84	83	100	1.1	7.0
	PRY	1159	94	81	98	90	94	6.5	0.0
	URY	335	...	0	0	0	0	0	0.0
Total and Average*		76259	11	87	97	83	86	1.8	1.1

*Weighted

... No report received