

# Measles/Rubella Weekly Bulletin



## Measles, rubella and Zika suspected case definitions

Definition of suspected case of Zika virus disease	Definition of suspected measles and rubella case
Patient with rash* with <b>two or more</b> of the following signs or symptoms: <ul style="list-style-type: none"> <li>• fever, usually &lt;38.5 ° C</li> <li>• conjunctivitis (non-purulent/hyperemic)</li> <li>• arthralgia</li> <li>• myalgia</li> <li>• peri-articular edema</li> </ul>	A patient in whom a health care worker suspects measles or rubella infection or a patient with fever and maculopapular rash.

\*usually pruritic and maculopapular

Sources:  
 Guideline for Zika virus disease and complications surveillance, 2016. Available here:  
[http://www.paho.org/hq/index.php?option=com\\_docman&task=doc\\_view&Itemid=270&gid=34188&lang=en](http://www.paho.org/hq/index.php?option=com_docman&task=doc_view&Itemid=270&gid=34188&lang=en)

Plan of Action for the Documentation and Verification of Measles, Rubella and CRS Elimination in the Americas. Available here:  
[http://www.paho.org/hq/index.php?option=com\\_docman&task=doc\\_download&gid=16739&Itemid=270&lang=en](http://www.paho.org/hq/index.php?option=com_docman&task=doc_download&gid=16739&Itemid=270&lang=en)

**Table.1**  
**Classification of Suspect Measles, Rubella, and Congenital Rubella Syndrome (CRS) Cases for the Period of Weeks 01-20, 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.	CRI*			
AND	BOL	31	0	0	0	2000/40	0	0	0	2006/03	0	31	0	0	0	...	
	COL	560	0	0	0	2015/36	0	0	0	2012/42	0	525	199	0	0	2005/34	
	ECU	80	0	1	1	2016/14	0	0	0	2004/45	0	68	0	0	0	2011/14	
	PER	136	0	0	0	2015/25	0	0	0	2006/45	0	96	0	0	0	2007/16	
	VEN	72	0	0	0	2012/16	0	0	0	2007/51	6	66	0	0	0	...	
BRA	BRA	864	0	0	0	2015/32	0	0	0	2014/40	0	649	31	0	0	2009/34	
	CAP	6	0	0	0	2005/22	0	0	0	2001/42	1	3	0	0	0	...	
CAR	GTM	33	0	0	0	1998/05	0	0	0	2006/30	1	32	0	0	0	2005/00	
	HND	24	0	0	0	1997/29	0	0	0	2004/11	1	23	6	0	0	2001/00	
	NIC	29	0	0	0	1994/14	0	0	0	2004/19	0	28	25	0	0	2005/00	
	PAN	25	0	0	0	2011/20	0	0	0	2002/48	0	22	0	0	0	...	
	SLV	24	0	0	0	2001/19	0	0	0	2006/30	0	18	0	0	0	2001/00	
	CAR	180	0	0	0	2011/48	0	0	0	2008/18	0	168	13	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	...	...	...	
MEX	HTI	17	0	0	0	2001/39	0	0	0	2006/21	0	10	1	0	0	...	
	MTQ	2	0	0	0	2011/27	0	0	0	...	0	2	0	...	...	...	
	MEX	1122	0	0	0	2015/02	0	0	0	2012/49	0	982	0	0	0	...	
NOA	CAN	...	...	7	7 <sup>a</sup>	2016/19	0	1	1	2016/06	...	...	...	...	...	2015/50	
	USA	...	...	4	4 <sup>a</sup>	2016/11	...	1	1	2016/03	...	...	...	...	...	2015/00	
SOC	ARG	95	0	0	0	2014/36	0	0	0	2014/22	5	36	34	0	0	2009/27	
	CHL	74	0	0	0	2015/27	0	0	0	2011/25	0	64	10	0	0	...	
	PRY	179	0	0	0	1998/44	0	0	0	2005/21	22	110	0	0	0	2003/06	
	URY	0	0	0	0	1999/08	0	0	0	2001/37	0	0	0	...	...	...	
<b>TOTAL</b>	<b>3657</b>	<b>0</b>	<b>12</b>	<b>12</b>	<b>--</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>--</b>	<b>36</b>	<b>3037</b>	<b>319</b>	<b>0</b>	<b>0</b>	<b>--</b>		

\*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, 2016

Subregion and Country		Measles				Rubella			
		I	IR	CAC	U	I	IR	CAC	U
AND	BOL								
	COL								
	ECU	1							
	PER								
	VEN								
BRA	BRA								
	CAP								
	CRI								
	GTM								
	HND								
CAR	NIC								
	PAN								
	SLV								
	LAC								
	CUB								
MEX	DOM								
	GLP								
	GUF								
	HTI								
	MTQ								
NOA	MEX				1				
	CAN	6				1			
SOC	USA	4				1			
	ARG								
	CHL								
	PRY								
	URY								
<b>TOTAL</b>		<b>11</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>

**Table No.3**  
Measles/Rubella Suspect Cases Under Investigation for the Period of Weeks 01-20, 2016

Country	Pending Cases 2015	Cumulative 2016	Week of Onset							% Pend.Cases	
			1-15	16	17	18	19	20			
BOL	0	0	0	0	...	...	...	...	0		
COL	18	35	24	3	2	6	0	...	6		
ECU	42	11	11	0	0	0	...	...	14		
PER	21	40	25	2	3	2	6	2	29		
VEN	0	0	0	0	0	0	0	...	0		
BRA	234	215	179	15	8	7	6	0	25		
CAP	0	2	2	0	0	0	0	0	33		
CRI	0	0	0	0	0	0	0	0	0		
GTM	1	0	0	0	0	0	0	0	0		
HND	0	0	0	0	0	0	0	0	0		
NIC	0	1	0	0	1	0	0	0	3		
PAN	0	3	0	0	0	0	2	1	12		
SLV	8	6	6	...	...	...	...	...	25		
CAR	1	12	5	1	1	2	2	1	7		
LAC	0	0	0	...	...	...	...	...	0		
CUB	48	0	0	...	...	...	...	...	0		
DOM	0	0	0	0	0	0	...	...	0		
GLP	0	0	0	0	0	0	...	...	0		
GUF	0	0	0	0	0	0	...	...	0		
HTI	0	7	5	0	0	0	2	0	41		
MTQ	0	0	0	0	0	0	...	...	0		
MEX	0	0	0	0	0	0	0	0	0		
NOA											
	CAN	...	...	...	...	...	...	...	...		
	USA	...	...	...	...	...	...	...	...		
SOC	ARG	2	54	45	3	2	3	1	57		
	CHL	23	10	4	0	1	1	3	14		
	PRY	10	47	34	5	1	3	3	26		
	URY	0	0	0	0	0	0	0	0		
<b>TOTAL</b>			<b>408</b>	<b>443</b>	<b>340</b>	<b>29</b>	<b>19</b>	<b>24</b>	<b>25</b>	<b>6</b>	<b>12</b>

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, 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 (2015/21-2016/20)		
		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	5313	...	74	96	85	93	4.3	2.2	
	ECU	2184	...	83	98	76	83	1.5	0.0	
	PER	7314	0	86	89	78	26	2.1	0.0	
	VEN	13092	...	97	100	68	69	1.7	0.1	
CAP	BRA	10267	71	0	31	31	25	1.6	0.1	
	CRI	57	0	50	83	80	80	0.6	0.0	
	GTM	1506	82	12	94	64	85	0.9	0.5	
	HND	470	91	83	100	75	100	0.8	0.3	
	NIC	185	100	86	100	100	90	1.9	1.8	
CAR	PAN	271	79	84	100	64	96	1.8	0.1	
	SLV	1243	...	75	100	92	71	3.1	3.8	
	LAC	CAR	714	96	86	97	17	77	4.4	2.0
	CUB	168	...	100	100	100	100	7.6	0.0	
	DOM	247	...	0	0	0	0	0.1	0.0	
MEX	GLP	0	...	...	...	...	...	0.0	0.0	
	GUF	0	...	...	...	...	...	0.4	0.0	
	HTI	320	74	94	94	76	71	1.0	0.0	
	MTQ	0	...	...	...	...	...	0.5	0.0	
	NOA	MEX	139	...	99	95	92	81	1.0	0.0
SOC	CAN	...	...	...	...	...	...	...	...	
	USA	...	...	...	...	...	...	...	...	
	ARG	784	...	21	83	78	53	1.0	0.5	
	CHL	817	76	11	84	92	97	4.0	0.4	
	PRY	1109	84	82	97	79	84	7.6	0.3	
	URY	165	...	0	0	0	0	0.2	0.0	
<b>Total and Average*</b>		<b>49879</b>	<b>74</b>	<b>84</b>	<b>80</b>	<b>70</b>	<b>68</b>	<b>1.9</b>	<b>0.6</b>	

\*Weighted

... No report received