# Measles/RubellaWeeklyBulletin



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

Week ending 5 May 2018



### **Development of a timeline**

## Where the case was infected?

- Identification of the exposure/incubation period
- Direct/indirect contacts
- Places visited

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- Means of transportation used

#### Who did the case infected?

- Identification of the communicable period
- Direct/indirect contacts
- Identification of the routes made by the case
- People with whom the case leave
- Places visited

#### How to identify secondary cases?

- Identification of the period of secondary cases
- Follow up of all contacts that have fever and rash at least for 30 days

#### **Exposition/incubation period**

7 to 21 days between exposure and onset of rash

#### Communicable period

4 days before and 4 days after onset of rash

#### Period for appearance of secondary cases

7 days after the first day of communicable period up to 21 days after the last day of communicable period



#### Table.1

Classification of Suspect Measles, Rubella, and Congenital Rubella Syndrome (CRS) Cases for the Period of Weeks 01-18, 2018

Classification of Suspect Measies, Rubella, and Congenital Rubella Syndrome (CRS)																	
Subregion and Country		Susp. Cases 2018	es 2018			Year/Week Last Conf. Measles	Rube	ella Conf 2018	irmed	Year/Week Last Conf. Rubella	Diagnosis of Discarded Cases 2018		Congenital Rubella Syndrome			Year/Week Last Conf. CRS Case	
		2010	Clin.	Lab.	Total	case	Clin.	Lab.	Total	Case	Dengue	Others	Susp.	Conf.	CRI*	CR3 Case	
AND	BOL	64	0	0	0	2000-40	0	0	0	2006-03	0	57	0	0	0		
	COL	977	0	22	22	2018-18	0	0	0	2012-31	0	931	140	0	0	2005-34	
	ECU	169	0	1	1	2018-13	0	0	0	2004-49	0	115	0	0	0	2011-14	
	PER	184	0	2	2	2018-08	0	0	0	2009-04	0	166	1	0	0	2007-16	
	VEN		0	904	904 <sup>a</sup>	2018-17	0	0	0	2007-51			0	0	0		
BRA	BRA	1202	0	105	105	2018-17	0	0	0	2014-40	0	447	10	0	0	2009-34	
CAP	CRI	16	0	0	0	2014-09	0	0	0	2001-39	0	11	19	0	0		
	GTM	260	0	1	1	2018-03	0	0	0	2006-31	17	215	3	0	0	2005-00	
	HND	121	0	0	0	1998-16	0	0	0	2004-11	0	121	6	0	0	2001-00	
	NIC	126	0	0	0	1994-14	0	0	0	2004-19	0	114	18	0	0	2005-00	
	PAN	27	0	0	0	2011-20	0	0	0	2002-48	0	26	3	0	0		
	SLV	124	0	0	0	2001-19	0	0	0	2006-30	0	105	0	0	0	2001-00	
CAR	CAR	131	0	1	1	2018-03	0	0	0	2008-18	0	120	18	0	0	1999-00	
LAC	CUB	247	0	0	0	1993-27	0	0	0	2004-06	0	247	0	0	0	1989-10	
	DOM	31	0	0	0	2011-18	0	0	0	2007-45	0	0	0	0	0		
	HTI	71	0	0	0	2001-39	0	0	0	2006-21	0	16	5	0	0		
MEX	MEX	1550	0	4	4 <sup>a</sup>	2018-14	0	0	0	2017-19	0	1196	0	0	0		
NOA	CAN			10	10	2018-18				2016-06	0	0	0			2015-50	
	USA			63	63 <sup>b</sup>	2018-16				2017-16	0	0	0			2017-00	
SOC	ARG	130	0	3	3	2018-12	0	0	0	2014-22	0	24	14	0	0	2009-27	
	CHL	57	0	0	0	2015-27	0	0	0	2011-25	0	46	44	0	0		
	PRY	302	0	0	0	1998-44	0	0	0	2005-21	34	256	0	0	0	2003-06	
	URY	0	0	0	0	1999-08	0	0	0	2001-37	0	0	0	0	0		
TO	TOTAL		0	1116	1116		0	0	0		51	4270	281	0	0		

\*Congenital Rubella Infection.

...No updated report received

(a) Pan American Health Organization / World Health Organization. Epidemiological Update: Measles. 7 May 2018, Washington, D.C.: PAHO/WHO; 2018; (b) Provisional data.



## Measles/Rubella Surveillance

Infection Source of Measles and Rubella Confirmed Cases for the Period of Weeks 01-18, 2018

#### Table No.3 Measles/Rubella Suspect Cases Under Investigation for the Period of Weeks 01-18, 2018

the remoder weeks or 16, 2010								1	To the Ferrod of Weeks 91 to 2010											
Subre	gion and		Mea	asles		Rubella						Pending Cases	Cumu- lative	Week of Onset						
	Country		IR	CAC	U	ı	IR	CAC	U		Country	2017	2018	1-13	14	15	16	17	18	% Pend. Cases
AND	BOL										BOL	1	7	2	1	1	0	2	1	11
	COL	22									COL	14	24	12	3	7	1	1	0	2
	ECU	1									ECU	0	53	49	4	0				31
	PER				2						PER	5	16	10	2	1	2	1		9
	VENa				904						VEN									
BRA	BRA	59	46								BRA	27	661	217	92	122	108	112	10	55
CAP	CRI										CRI	0	5	5	0	0	0	0	0	31
	GTM	1									GTM	31	27	27	0	0	0	0	0	10
	HND										HND	0	0	0	0	0	0	0	0	0
	NIC										NIC	0	12	2	0	3	2	5	0	10
	PAN										PAN	0	1	0	0	0	0	1	0	4
	SLV										SLV	1	19	16	2	1	0	0		15
CAR	CAR	1									CAR	1	10	7	0	0	0	1	2	8
LAC	CUB										CUB	0	0	0	0	0	0	0	0	0
	DOM										DOM	243	31	31	0	0	0	0	0	100
	HTI										HTI	27	55	46	1	0	4	3	1	77
MEX	MEX	2	2								MEX	554	354	196	35	27	31	39	26	23
NOA	CAN	10									CAN									
	USA	26	37								USA									
SOC	ARG	2	1								ARG	26	103	60	30	9	2	1	1	79
	CHL										CHL	0	11	3	0	3	3	2	0	19
	PRY										PRY	0	12	6	3	2	1	0	0	4
	URY										URY	0	0	0						0
T	OTAL	124	86	0	906	0	0	0	0		TOTAL	933	1402	690	173	176	154	168	41	24
	Imported: I	R· Imr	ort-rel	ated: C	AC: Cd	nuntry-	acquir	ed case		-							No ur	odated r	enort re	ceived

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

U: Unknown. (a) Pan American Health Organization / World Health Organization. Epidemiological Update: Measles. 7 May 2018, Washington, D.C.: PAHO/WHO; 2018

Table 4 Indicators of Integrated Measles/Rubella Surveillance for the Period of Weeks 01-18, 2018

Indicators of Integrated Measles/Rubella Surveillance for the Period of Weeks 01-18, 2018												
Subregion and		Sites Re Wee	kly	% Cases with Adequate	% Cases with	% Blood Samples	% Lab. Results	Rate of Suspected Cases Last 52 weeks (2017/19-2018/18)				
Coun	Country		% This Week	Investigation	Adequate Sample	Received in Lab. ≤5 days	<ul><li>&lt;4 days</li></ul>	Measles/Rubella (100,000 pop.)	CRS (10,000 lb)			
AND	BOL			100	100	83	80	0.9	0.0			
	COL	5193	96	79	97	91	95	3.8	2.1			
	ECU	2184		99	98	60	66	2.5	0.0			
	PER	7781		90	95	85	64	1.1	0.0			
	VEN	13092		100	98	65	72	3.8	0.6			
	BRA	14212	77		76	76	67	0.6	0.0			
CAP	CRI	57		75	94	75	88	1.3	28.8			
	GTM	1541	98	2	99	72	88	2.3	0.0			
	HND	470	90	78	97	85	98	2.8	2.4			
	NIC	185	100	97	99	95	97	5.1	4.3			
	PAN	324		85	89	74	85	1.4	0.5			
	SLV	1266		67	98	98	92	5.2	0.0			
CAR	CAR	766	79	85	96	22	62	3.0	8.3			
LAC	CUB	168		100	100	100	100	12.6	0.0			
	DOM	247		16	100	0	0	3.3	0.0			
	HTI	652	70	94	97	34	0	1.5	1.0			
MEX	MEX	20146		98	99	91	81	3.0	0.0			
NOA	CAN											
	USA											
SOC	ARG	784		6	53	74	74	0.9	1.8			
	CHL	783	76	39	82	94	86	0.9	7.0			
	PRY	1168	95	82	100	87	94	9.5	0.3			
	URY	155		0	0	0	0	0.1	0.0			
Total and A	Total and Average*		e* 73831 28		93	83	81	2.2	0.6			

\*Weighted ... No updated report received