



Measles outbreak in Costa Rica, 2019*



Measles was confirmed among unvaccinated French parents aged 30 and 34 years old, respectively, and their son, 5 years old.



Family arrived to Puntarenas, Costa Rica on 18 February, from Paris, **France**, via Air France. Onset of rash for the 5-year-old was **20 February**.



314 passengers were on the same flight, 10 of which are Costa Rican and 6 are from Canada, Chile, Honduras, Guatemala, Nicaragua and Panama. These passengers have been contacted and remain asymptomatic.



Outbreak control measures are ongoing. Genotype results are pending.

Source: Ministry of Health of Costa Rica. Data as of 28 February 2019.

Table.1
Classification of Suspect Measles, Rubella, and Congenital Rubella Syndrome (CRS) Cases for Week 08, 2019

Subregion and Country	Susp. Cases 2019	Measles Confirmed 2019			Year/Week Last Conf. Measles case	Rubella Confirmed 2019			Year/Week Last Conf. Rubella Case	Diagnosis of Discarded Cases 2019		Congenital Rubella Syndrome			Year/Week Last Conf. CRS Case
		Clin.	Lab.	Total		Clin.	Lab.	Total		Dengue	Others	Susp.	Conf.	CRI*	
AND	BOL	1	0	0	0	0	0	0	2006-03	0	0	0	0	0	...
	COL	373	0	20	20	0	0	0	2012-31	0	297	42	0	0	2005-34
	ECU	...	...	...	...	...	...	...	2004-49	...	...	...	...	...	2011-14
	PER	32	0	0	0	0	0	0	2009-04	0	6	0	0	0	2007-16
	VEN	3	0	0	0	0	0	0	2007-51	0	2	0	0	0	...
BRA	BRA	...	...	21	21 ^a	...	...	...	2014-40	...	...	...	...	...	2009-34
CAP	CRI	5	0	3	3	0	0	0	2001-39	0	2	37	0	0	...
	GTM	11	0	0	0	0	0	0	2006-31	0	9	0	0	0	2005-00
	HND	26	0	0	0	0	0	0	2004-11	0	20	2	0	0	2001-00
	NIC	43	0	0	0	0	0	0	2004-19	0	17	6	0	0	2005-00
	PAN	10	0	0	0	0	0	0	2002-48	0	8	0	0	0	...
	SLV	6	0	0	0	0	0	0	2006-30	0	6	0	0	0	2001-00
CAR	CAR	35	0	1	1	0	0	0	2008-18	0	25	2	0	0	1999-00
LAC	CUB	458	0	0	0	0	0	0	2004-06	0	6	0	0	0	1989-10
	DOM	6	0	0	0	0	0	0	2007-45	0	3	0	0	0	...
	HTI	16	0	0	0	0	0	0	2006-21	0	0	5	0	0	...
MEX	MEX	337	0	0	0	0	0	0	2018-14	0	248	0	0	0	...
NOA	CAN	...	...	17	17	...	...	...	2016-06	...	...	...	...	...	2018-39
	USA	...	...	206	206 ^b	...	...	...	2017-16	...	...	...	...	...	2017-00
SOC	ARG	1	0	1	1	0	0	0	2014-22	0	0	0	0	0	2009-27
	CHL	296	0	3	3	0	0	0	2011-25	0	245	15	0	0	...
	PRY	221	0	0	0	0	0	0	2005-21	5	112	2	0	0	2003-06
	URY	...	...	...	...	...	...	...	2001-37	...	...	...	...	...	...
TOTAL		1880	0	272	272	0	0	0	0	5	1006	111	0	0	0

*Congenital Rubella Infection.

(a) Unofficial data; (b) Provisional data.

...No updated report received



Table No.2
Infection Source of Measles and Rubella Confirmed Cases for the Period of Weeks 01-08, 2019

Subregion and Country		Measles				Rubella			
		I	IR	CAC	U	I	IR	CAC	U
AND	BOL	11			9				
	COL								
	ECU								
	PER								
	VEN								
BRA	BRA	1	2		21				
	CAP								
CAP	CRI	1							
	GTM								
	HND								
	NIC								
	PAN								
CAR	SLV	1							
	CAR								
	CUB								
LAC	DOM								
	HTI								
	MEX								
NOA	CAN	9	6		2				
	USA								
SOC	ARG	1			2				
	CHL								
	PRY								
	URY								
TOTAL		20	72		38	0	0	0	0

Table No.3
Measles/Rubella Suspect Cases Under Investigation for the Period of Weeks 01-08, 2019

Country	Pending Cases 2018	Cumulative 2019	Week of Onset							
			1-3	4	5	6	7	8	% Pend. Cases	
BOL	3	1	1	0	...	...	...	...	100
COL	176	56	26	9	6	10	5	0	15	
ECU	84	...	...	...	...	...	...	...	...
PER	6	26	12	1	6	6	1	0	81	
VEN	34	0	0	0	0	0	0	...	0	
BRA	...	...	...	...	...	...	...	...	...
CAP	23	0	0	0	0	0	0	0	0	
GTM	12	2	1	1	0	0	0	0	18	
HND	0	6	1	0	2	3	0	0	23	
NIC	0	26	4	3	4	7	8	0	60	
PAN	0	2	1	1	0	0	...	...	20
SLV	0	0	0	0	0	0	0	...	0	
CAR	1	9	1	1	0	2	4	1	26	
LAC	0	386	145	60	62	59	60	0	84	
CUB	18	3	1	1	1	...	...	...	50
DOM	54	16	14	2	0	0	0	0	100	
HTI	68	88	17	16	18	17	10	10	26	
MEX	...	...	...	...	...	...	...	...	...
CAN	...	...	...	...	...	...	...	...	...
USA	...	...	...	...	...	...	...	...	...
ARG	401	0	0	0	0	0	0	0	0	
CHL	21	48	12	8	7	5	10	6	16	
PRY	41	104	28	13	10	10	23	20	47	
URY	1	...	...	...	...	...	...	...	...
TOTAL	943	773	264	116	116	119	121	37	41	

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

... No updated report received

Table 4
Indicators of Integrated Measles/Rubella Surveillance for Period of Weeks 01-08, 2019

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 (2018/09-2019/08)	
		Total Units	% This Week					Measles/Rubella (100,000 pop.)	CRS (10,000 lb)
AND	BOL	2657	...	0	100	100	100	2.0	0.0
	COL	6952	73	77	94	90	98	12.6	5.6
	ECU	2184	...	...	...	...	...	3.2	0.0
	PER	7781	...	84	88	50	7	3.3	0.0
	VEN	13092	...	100	67	50	50	10.1	0.0
CAP	BRA	...	...	...	...	...	...	5.2	0.2
	CRI	57	...	60	100	100	80	1.1	5.5
	GTM	1541	...	73	91	30	70	2.1	0.1
	HND	470	90	65	100	85	100	2.1	1.3
	NIC	185	...	98	98	98	98	4.2	4.5
CAR	PAN	324	...	90	100	60	100	1.7	0.0
	SLV	...	...	50	100	100	100	6.7	0.0
	CAR	763	97	74	89	10	77	4.1	10.0
	LAC	CUB	168	...	100	100	100	26.0	0.0
	DOM	247	...	17	100	100	67	1.1	0.0
MEX	HTI	652	84	88	100	44	31	1.5	0.6
	MEX	41120	96	95	100	88	86	3.0	0.0
	NOA	CAN	...	...	...	...	...	...	...
SOC	USA	...	...	...	...	...	...	...	...
	ARG	784	...	0	100	100	100	1.8	0.3
	CHL	768	82	43	96	97	99	4.6	5.9
	PRY	1238	97	71	92	83	71	13.9	0.0
	URY	155	...	...	...	...	...	0.3	0.0
Total and Average*		81138	59	80	97	89	90	5.2	1.0

*Weighted

... No updated report received