



Vol. 15, No. 07

Measles and Rubella Surveillance in the Americas

Week ending
21 February 2009

Route of Importation of a Measles Case to the Americas

Argentina reported a measles outbreak in twins aged 10 months, related to an imported case from England.

The country is intensifying its outbreak control measures, including follow-up of international contacts who were sharing the same accommodations with the primary case during the infectious period.

Red: route from London to Buenos Aires
Black: route from Buenos Aires to London
Case 1: imported (from England)
Cases 2 & 3: import-related (Argentina)
Case 4: sister of case 1 (England)
Contact: waiting room of hospital emergency services



Source: Ministry of Health, Argentina; Health Protection Agency, London; PAHO.

Table No.1
Classification of Suspect Measles, Rubella, and Congenital Rubella Syndrome (CRS) Cases for the Period of Weeks 01-07, 2009

Subregion and Country	Suspect Cases 2009	Measles Confirmed 2009			Year/Week Last Confr. Measles Case	Rubella Confirmed 2009			Year/Week Last Confr. Rubella Case	Diagnosis of Discarded Cases 2009		Congenital Rubella Syndrome		CRI *
		Clinic.	Lab.	Total		Clinic.	Lab.	Total		Dengue	Other	Suspect	Conf.	
AND	BOL	22	0	0	0	00/40	0	0	0	06/03	0	19	...	...
	COL	33	0	0	0	02/39	0	0	0	07/31	0	31	16	...
	ECU	67	0	0	0	08/21	0	0	0	04/45	10	57	0	0
	PER	87	0	0	0	08/18	0	0	0	06/45	1	60	...	...
	VEN	30	0	0	0	07/06	0	0	0	07/34	4	19	...	...
BRA	BRA	646	0	0	0	06/48	0	0	0	08/53	1	302	0	0
CAP	COR	1	0	0	0	05/22	0	0	0	01/42	0	0	...	...
	ELS	17	0	0	0	01/19	0	0	0	06/30	0	17	...	...
	GUT	18	0	0	0	98/05	0	0	0	06/30	0	15	11	0
	HON	11	0	0	0	97/29	0	0	0	04/11	0	10	4	0
	NIC	17	0	0	0	94/14	0	0	0	04/19	0	17	0	0
	PAN	11	0	0	0	95/49	0	0	0	02/48	0	11	0	0
CAR	CAR	41	0	0	0	08/26	0	0	0	08/18	0	30	0	0
LAC	CUB	25	0	0	0	93/27	0	0	0	04/06	0	25	0	0
	DOR	6	0	0	0	01/23	0	0	0	06/44	0	5	...	...
	FGU	1	0	0	0	...	0	0	0	...	1	0	...	...
	GUA	...	...	...	...	...	...	...	...	...	...	...	...	...
	HAI	2	0	0	0	01/39	0	0	0	06/47	0	0	1	0
	MAR	...	...	...	...	...	...	...	...	...	...	...	...	...
	PUR	...	...	...	...	...	...	...	...	...	...	...	...	...
MEX	MEX	263	0	0	0	06/49	0	0	0	08/42	0	127	0	0
NOA	CAN	...	0	5	5 ^a	09/07	0	0	0	07/15	...	...	...	...
	USA	...	0	8	8 ^a	09/07	0	1	1	09/07	...	...	...	...
SOC	ARG	27	0	2	2 ^a	09/02	0	2	2	09/04	0	17	0	0
	CHI	20	0	0	0	03/19	0	0	0	08/31	0	12	18	0
	PAR	30	0	0	0	98/44	0	0	0	05/21	1	29	1	0
	URU	0	0	0	0	99/08	0	0	0	01/37	0	0	...	...
TOTAL		1375	0	15	15	-	0	3	3	-	18	803	51	0

... No report received; * Congenital rubella infection; (a) See Table 2 for infection source.



Measles / Rubella Surveillance

Table No.2
Infection Source of Measles and Rubella Confirmed Cases for the Period of Weeks 01-07, 2009

Subregion and Country		Measles			Rubella				
		I	IR	U	I	IR	U	IN	
AND	BOL								
	COL								
	ECU								
	PER								
	VEN								
BRA	BRA								
	CAP								
	COR								
	ELS								
	GUT								
HON	HON								
	NIC								
	PAN								
	CAR	CAR							
		LAC							
CUB									
DOR									
FGU									
GUA	GUA								
	HAI								
	MAR								
	PUR								
	MEX	MEX							
NOA					1	4			
CAN									
USA		6	2						
SOC		ARG		2					
	CHI								
	PAR								
	URU								
	TOTAL	6	4		1	4			

Table No.3
Measles/Rubella Suspect Cases Under Investigation for the Period of Weeks 01-07, 2009

Country	Pending Cases 2008	Cumulative 2009	Week of Rash Onset							Unkn.
			1-2	3	4	5	6	7		
BOL	1	3	0	0	0	1	1	1		
COL	95	2	1	1	0	0	0	0		
ECU	0	0	0	0	0	0	0	0		
PER	33	26	1	8	1	6	5	5		
VEN	56	7	2	4	1	0	0	0		
BRA	1581	342	111	55	70	56	50	...		
COR	23	1	0	0	...	...	...	...	1
ELS	0	0	0	0	0	0	0	...		
GUT	12	3	0	1	0	0	1	1		
HON	0	1	0	0	0	0	1	0		
NIC	4	0	0	0	0	0	0	0		
PAN	1	0	0	0	0	0	0	...		
CAR	1	11	2	0	2	4	3	0		
CUB	0	0	0	0	0	0	0	0		
DOR	11	1	1	0	0	0	...	...
FGU	0	0	0	0	...	...	...	...
GUA	...	...	...	...	...	...	...	...
HAI	0	2	1	0	1	0	0	...		
MAR	...	...	...	...	...	...	...	...
PUR	...	...	...	...	...	...	...	...
MEX	698	135	47	35	25	9	13	6		
CAN	...	...	...	...	...	...	...	...
USA	...	...	...	...	...	...	...	...
ARG	...	6	0	0	2	2	1	1		
CHI	43	8	3	0	0	1	1	3		
PAR	0	0	0	0	0	0	0	0		
URU	0	0	0	0	0	0	...	...
TOTAL	2561	548	169	104	102	79	76	17	1	

I: Imported; IR: Import-related; U: Unknown; IN: Indigenous

... No report received

Table No.4
Indicators of Integrated Measles/Rubella Surveillance for the Period of Weeks 01-07, 2009

Sub-region and Country		% Sites Reporting Weekly	% Cases with Adequate Investigation	% Cases with Adequate Sample	% Lab Received ≤5 days	% Lab Result ≤4 days	% Cases Discarded by Lab	Chains of Transmission With Representative Samples for Viral Isolation		
								Measles	Rubella	
9AND	BOL	...	99	100	89	95	100			
	COL	60	59	94	81	94	100			
	ECU	82	53	99	94	96	97			
	PER	...	92	99	61	57	77			
	VEN	...	70	83	79	75	96			
BRA	BRA	71	...	...	...	...	99		
	CAP	...	54	0	0	0	...			
	COR	...	54	0	0	0	...			
	ELS	85	45	100	94	82	100			
	GUT	...	83	94	100	75	100			
HON	HON	94	94	100	91	100	100			
	NIC	100	82	94	100	100	100			
	PAN	81	76	91	73	73	100			
	CAR	CAR	99	72	98	38	100	100		
		LAC	CUB	100	100	100	100	95	100	
DOR		77	65	100	50	50	100			
FGU		...	...	...	...	...	...
GUA		...	...	...	...	...	...
HAI	HAI	100	88	100	50	50	...			
	MAR	...	...	...	...	...	...
	PUR	...	...	...	...	...	...
	MEX	MEX	95	98	98	66	99	100		
		NOA	CAN		
USA		...	...	...	...	...	...
SOC		ARG	60	80	100	89	90	100		
		CHI	100	15	75	80	100	83		
	PAR	87	72	100	93	100	100			
	URU	96	33	...	...	...	...
	Total and Average	85	79	97	70	89	93			

... No report received.