



In July 2006, Brazil experienced a large rubella outbreak in the states of Rio de Janeiro and Minas Gerais. The outbreak continued through 2007, resulting in 8,683 confirmed cases (data as of 14 July 2008) in 20 of the 27 States (74%). The genotype identified was 2B. Sixty-nine percent of cases were male and the group most affected, in both males and females, was the one aged 20-29 years (52%).

In 2001 and 2002, Brazil launched a mass rubella campaign targeting women aged 12-39 years. The campaign reached over 28 million women. On 9 August 2008, the country will launch the second phase of the mass rubella campaign and vaccinate 70 million men and women aged 20-39 years.

Distribution of Confirmed Rubella Cases Brazil, 2007

N = 8,683 *

* A total of 276 cases are not included in this map



1 dot = 1 case

Source: Ministry of Health, Brazil (data as of 14 July 2008).

Table No.1
Classification of Suspect Measles, Rubella, and Congenital Rubella Syndrome (CRS) Cases for the Period of Weeks 01-30, 2008

Subregion and Country	Suspect Cases 2008	Measles Confirmed 2008			Year/Week Last Confr. Measles Case	Rubella Confirmed 2008			Year/Week Last Confr. Rubella Case	Diagnosis of Discarded Cases 2008		Congenital Rubella Syndrome		CRI *	
		Clinic.	Lab.	Total		Clinic.	Lab.	Total		Dengue	Other	Suspect	Conf.		
AND	BOL	164	0	0	0	00/40	0	0	0	06/03	0	157	2
	COL	494	0	0	0	02/39	0	0	0	07/31	5	475	33	0	
	ECU	329	0	1	1 ^b	08/21	0	0	0	04/45	17	309	2	0	
	PER	660	0	1	1 ^b	08/18	0	0	0	06/45	0	582	...	...
	VEN	75	0	0	0	07/06	0	0	0	07/34	16	59	...	...
BRA	BRA	10760	0	0	0	06/48	44	826	870	08/29	427	7960	12	3	
	CAP	5	0	0	0	05/22	0	0	0	01/42	1	0	...	...
	ELS	82	0	0	0	01/19	0	0	0	06/43	5	77	...	...
	GUT	208	0	0	0	09/05	0	0	0	06/30	2	196	0	0	
	HON	96	0	0	0	09/29	0	0	0	04/11	16	78	17	0	
	NIC	72	0	0	0	04/14	0	0	0	04/19	0	67	0	...	
	PAN	72	0	0	0	09/49	0	0	0	02/48	1	71	0	0	
	CAR	287	0	2	2 ^b	08/26	0	1	1	08/18	0	276	0	0	
	LAC	395	0	0	0	09/27	0	0	0	04/06	0	355	0	0	
	DOR	27	0	0	0	01/23	0	0	0	06/44	0	4	...	...
FGU	9	0	0	0	...	0	0	0	...	0	8	...	...
GUA	...	...	...	...	...	...	...	...	...	...	...	...	...
HAI	6	0	0	0	01/39	0	0	0	06/47	0	5	1	0		
MAR	...	...	...	...	...	...	...	...	...	...	...	...	...
PUR	...	...	...	...	...	...	...	...	...	...	...	...	...
MEX	MEX	3444	0	0	0	06/49	0	18	18	08/20	0	2673	0	0	
NOA	CAN	...	0	51	51 ^b	08/28	0	0	0	07/15	...	...	...	...
USA	...	0	131	131 ^{a,b}	08/26	0	9	9	08/28	...	...	...	...
SOC	ARG	219	0	0	0	00/11	0	64	64	08/29	0	108	9	...	
	CHI	171	0	0	0	03/19	...	...	15	08/09	0	144	109	1
	PAR	148	0	0	0	09/44	0	0	0	05/21	3	144	0	0	
	URU	4	0	0	0	09/08	0	0	0	01/37	0	4	...	...
TOTAL		17727	0	186	186	-	44	918	977	-	493	13752	183	4	2

... No report received; * Congenital rubella infection; (a) Provisional data; (b) 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 01-30, 2008

Subregion and Country		Measles			Rubella			
		I	IR	U	I	IR	U	IN
AND	BOL							
	COL							
	ECU	1						
	PER	1						
	VEN							
BRA	BRA							870
	CAP							
	COR							
	ELS							
	GUT							
CAR	HON							
	NIC							
	PAN							
	CAR	1	1		1			
	LAC							
MEX	CUB							
	DOR							
	FGU							
	GUA							
	HAI							
NOA	MAR							
	PUR							
	MEX						18	
	CAN	5	42	4				
	USA	14	54	17				
SOC	ARG							
	CHI					2	13	
	PAR							
	URU							
	TOTAL	22	97	21	1	2	31	870

Table No.3
Measles/Rubella Suspect Cases Under Investigation
for the Period of Weeks 01-30, 2008

Country	Pending Cases 2007	Cumulative 2008	Week of Rash Onset							Unkn.
			01-25	26	27	28	29	30		
BOL	0	7	1	0	1	2	3	...		
COL	0	14	13	0	0	1	0	0		
ECU	0	2	1	0	1	0	0	...		
PER	0	78	66	3	2	3	4	...		
VEN	0	0	0	0	0	0	0	0		
BRA	260	1503	1204	45	73	96	85	...		
COR	2	4	4	0	0	0	...	...
ELS	0	0	0	0	0	0	0	0		
GUT	0	10	10	0	0	0	0	0		
HON	0	2	0	0	0	0	0	2		
NIC	0	5	5	0	0	0	0	0		
PAN	0	0	0	0	0	0	0	0		
CAR	0	8	5	0	2	0	0	...	1	
LAC	0	40	0	0	0	0	0	40		
DOR	19	23	23	0	0	0	0	0		
FGU	0	1	0	0	0	0	1	...		
GUA	...	...	...	...	...	...	...	...
HAI	0	1	1	0	0	0	...	...
MAR	...	...	...	...	...	...	...	...
PUR	...	...	...	...	...	...	...	...
MEX	0	753	688	27	18	10	9	1		
CAN	...	...	...	...	...	...	...	...
USA	...	...	...	...	...	...	...	...
ARG	0	47	27	2	3	2	3	1	9	
CHI	0	16	13	1	0	1	0	1		
PAR	0	1	0	0	0	0	0	1		
URU	0	0	0	0	0	0	0	0		
TOTAL	281	2515	2061	78	100	115	105	46	10	

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 01-30, 2008

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
AND	BOL	77	100	100	82	63	100		
	COL	80	65	98	80	90	98		
	ECU	83	49	98	89	85	100		
	PER	...	92	99	80	44	96		
	VEN	89	98	98	92	67	100		
BRA	BRA	79	54 ^a	63	...	...	98		
	CAP	...	60	100	100	60	100		
	COR	...	57	99	95	94	98		
	ELS	91	80	99	79	87	95		
	GUT	...	96	99	71	89	96		
CAR	HON	95	80	92	83	89	99		
	NIC	100	79	100	74	93	99		
	PAN	93	73	96	55	98	99		
	CAR	99	100 ^a	100	90	100	90		
	LAC	95	42	62	44	31	100		
SOC	DOR	80	...	...	...	...	...
	FGU	...	...	...	...	...	...
	GUA	...	...	...	...	...	...
	HAI	83	83	100	0	0	100		
	MAR	...	...	...	...	...	...
MEX	PUR	...	...	...	...	...	...
	MEX	89	98	98	76	83	100		
	NOA	...	...	...	...	...	...
	CAN	...	...	...	...	...	...
	USA	...	...	...	...	...	...
SOC	ARG	82	43	85	62	86	97		
	CHI	99	18	80	62	86	97		
	PAR	90	64	100	84	100	100		
	URU	5	33	75	100	100	100		
	Total and Average	84	66	76	77	82	98		

... No report received; (a) Also includes information on active case-searches.

Issues of the Measles/Rubella Surveillance Bulletin can be accessed at:
<http://www.paho.org/english/ad/fch/im/measles.htm>