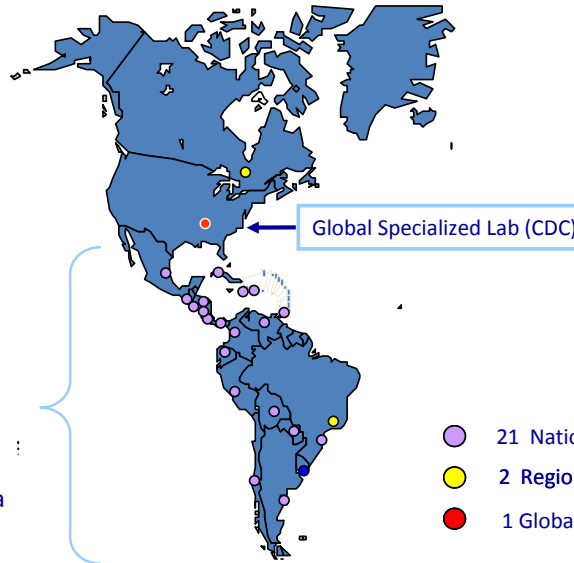




PAHO Measles and Rubella Laboratory Network

As in-depth laboratory analysis plays a critical role in the measles-rubella elimination programs, Member States are being urged to ensure complete laboratory investigation of all suspected cases, improve molecular genotyping of the confirmed cases throughout outbreaks and enhance collaboration between epidemiological and laboratory teams to improve measles and rubella surveillance and the final classification of the suspected cases.



124 Sub-National Labs:
Argentina, Brazil, Colombia
Ecuador, Mexico, Venezuela

- 21 National Labs
- 2 Regional Reference Labs
- 1 Global Specialized Lab

Table.1
Classification of Suspect Measles, Rubella, and Congenital Rubella Syndrome (CRS) Cases for the Period of Weeks 01-33, 2012

Subregion and Country	Susp. Cases 2012	Measles Confirmed 2012			Year/Week Last Conf. Measles case	Rubella Confirmed 2012			Year/Week Last Conf. Rubella Case	Diagnosis of Discarded Cases 2012		Congenital Rubella Syndrome			Year/Week Last Conf. CRS Case		
		Clin.	Lab.	Total		Clin.	Lab.	Total		Dengue	Others	Susp.	Conf.	CRI*			
AND	BOL	147	0	0	0	2000/40	...	...	...	2006/03	30	107	0	...	...	...
	COL	1381	0	1	1	2012/05	0	1	1	2012/12	4	1311	114	0	0	2005/34	
	ECU	1331	0	69	69	2012/28	...	...	...	2004/45	18	86	14	...	...	...
	PER	320	0	0	0	2008/18	0	0	0	2006/45	0	307	0	...	...	2007/16
BRA	VEN	222	0	1	1	2012/16	0	0	0	2007/51	25	156	0	0	0	...	
	BRA	3232	0	1	1	2012/02	0	0	0	2009/41	0	2809	62	...	...	2009/34
	CRI	18	0	0	0	2005/22	0	0	0	2001/42	1	15	0	0	0	...	
	GTM	275	0	0	0	1998/05	0	0	0	2006/30	27	233	0	0	0	2005/00	
CAP	HND	61	0	0	0	1997/29	0	0	0	2004/11	12	39	81	0	0	2001/00	
	NIC	86	0	0	0	1994/14	0	0	0	2004/19	1	79	0	0	0	2005/00	
	PAN	75	0	0	0	2011/20	0	0	0	2002/48	1	74	0	0	0	...	
	SLV	265	0	0	0	2001/19	0	0	0	2006/30	0	265	0	...	...	2001/00
CAR	CAR	338	0	0	0	2011/48	0	0	0	2008/18	0	197	0	0	0	1999/00	
	LAC	CUB	739	0	0	0	1993/27	0	0	0	2004/06	0	739	0	0	0	...
	DOM	76	0	0	0	2011/18	0	0	0	2006/44	2	74	0	...	...	...
	GLP	3	0	0	0	2012/10	0	0	0	...	0	3	0	0	0	2005/00	
MEX	GUF	12	0	0	0	2011/26	0	0	0	2010/06	3	9	0	0	0	...	
	HTI	118	0	0	0	2001/39	0	0	0	2006/47	0	0	3	0	...	...
	MTQ	1	0	0	0	2011/27	0	0	0	...	0	1	0	0	0	...	
	PRI	...	...	...	...	...	...	...	...	...	0	0	0	...	...	...
NOA	MEX	1930	0	0	0	2011/12	0	0	0	2008/20	0	1794	0	0	0	...	
	CAN	...	...	6	6	2012/21	0	1	1	2012/03	0	0	0	0	0	...
SOC	USA	...	...	48	48 ^a	2012/29	0	4	4	2012/17	0	0	0	2	0	...
	ARG	147	0	1	1	2012/20	0	0	0	2011/20	0	20	29	0	0	2009/27	
	CHL	111	0	0	0	2011/25	0	0	0	2011/25	0	108	68	0	0	...	
	PRY	435	0	0	0	1998/44	0	0	0	2005/21	30	405	0	0	0	2003/06	
URY	0	0	0	0	1999/08	0	0	0	2001/37	0	0	0	0	0	...		
TOTAL	11323	0	127	127	--	0	6	6	--	154	8831	371	2	0	--		

*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 01-33, 2012

Subregion and Country	Measles				Rubella			
	I	IR	CAC	U	I	IR	CAC	U
AND								
BOL								
COL	1							1
ECU		69						
PER								
VEN	1							
BRA	1							
CAP								
CRI								
GTM								
HND								
NIC								
PAN								
SLV								
CAR								
LAC								
CUB								
DOM								
GLP								
GUF								
HTI								
MTQ								
PRI								
MEX								
NOA								
CAN	5			1	1			
USA	20	22		6	1			3
SOC								
ARG	1							
CHL								
PRY								
URY								
TOTAL	29	91		7	2			4

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

Table No.3

Measles/Rubella Suspect Cases Under Investigation for the Period of Weeks 01-33, 2012

Country	Pending Cases 2011	Cumulative 2012	Week of Onset							% Pend.Cases
			1-28	29	30	31	32	33		
BOL	1	10	9	0	1	0	0	0	7	
COL	0	64	59	2	0	3	0	0	5	
ECU	41	96	68	17	2	2	4	3	7	
PER	0	13	13	0	0	0	...	...	4
VEN	1	40	40	0	0	0	...	...	18
BRA	79	422	354	19	20	20	9	...	13	
CRI	1	2	1	1	0	0	0	...	11	
GTM	0	15	3	2	2	8	0	0	5	
HND	0	0	0	0	0	0	0	0	0	
NIC	0	5	5	0	0	0	0	...	6	
PAN	6	0	0	0	0	0	0	...	0	
SLV	0	0	0	0	0	0	0	...	0	
CAR	0	141	133	6	1	1	0	0	42	
CUB	0	0	0	0	0	0	0	...	0	
DOM	0	0	0	0	0	0	0	0	0	
GLP	0	0	0	0	0	0	0	0	0	
GUF	0	0	0	0	0	0	0	0	0	
HTI	0	118	117	1	0	0	0	0	100	
MTQ	0	0	0	0	0	0	0	0	0	
PRI	...	...	...	...	...	...	...	...	...
MEX	0	136	130	3	1	1	1	...	7	
CAN	...	...	...	...	...	...	...	...	...
USA	...	...	...	...	...	...	...	...	...
ARG	247	126	125	0	0	0	1	0	86	
CHL	0	3	0	0	0	2	1	0	3	
PRY	0	0	0	0	0	0	0	0	0	
URY	4	0	...	...	...	...	...	...	...
TOTAL	380	1191	1057	51	27	37	16	3	11	

... No report received

Table 4.

Indicators of Integrated Measles/Rubella Surveillance for the Period of Weeks 01-33, 2012

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 (2011/34-2012/33)	
	Total Units	% This Week					Measles/Rubella (100,000 pop.)	CRS (10,000 lb)
AND								
BOL	...	...	100	99	76	99	2.6	0.8
COL	5683	80	74	96	91	95	8.1	2.5
ECU	2203	83	85	98	98	87	6.6	0.5
PER	...	...	73	87	81	62	2.8	0.0
VEN	13092	...	69	97	25	21	1.7	0.0
BRA								
BRA	270	84	61	...	...	...	3.2	0.4
CAP								
CRI	57	...	11	89	89	56	0.5	0.0
GTM	1506	...	9	97	75	92	2.6	0.0
HND	469	96	56	100	80	85	1.3	4.7
NIC	185	...	93	100	84	99	2.8	0.0
PAN	215	80	44	93	81	93	3.9	0.0
SLV	893	...	55	99	75	77	7.4	0.0
CAR								
CAR	752	93	97	92	27	94	7.1	0.0
LAC								
CUB	150	...	100	100	100	100	9.8	0.0
DOM	0	...	59	100	69	69	1.2	0.0
GLP	...	...	...	...	...	...	0.9	...
GUF	...	...	...	...	...	...	5.8	...
HTI	78	85	13	90	46	...	1.2	0.1
MTQ	...	...	...	...	...	...	0.0	...
PRI	...	...	...	...	...	...	0.0	...
MEX								
MEX	11138	...	97	...	...	...	3.8	0.0
NOA								
CAN	...	...	...	...	...	...	0.0	...
USA	...	...	...	...	...	...	0.0	...
SOC								
ARG	779	...	10	90	65	42	0.6	0.9
CHL	569	99	79	96	84	90	1.4	5.5
PRY	871	90	74	98	95	98	10.7	0.0
URY	155	...	...	...	...	...	1.3	0.0
Total and Average*	39065	84	74	96	83	86	2.3	0.6

*Weighted

... No report received