

Measles/Rubella Weekly Bulletin



Comprehensive Family Immunization Project/Family and Community Health Area

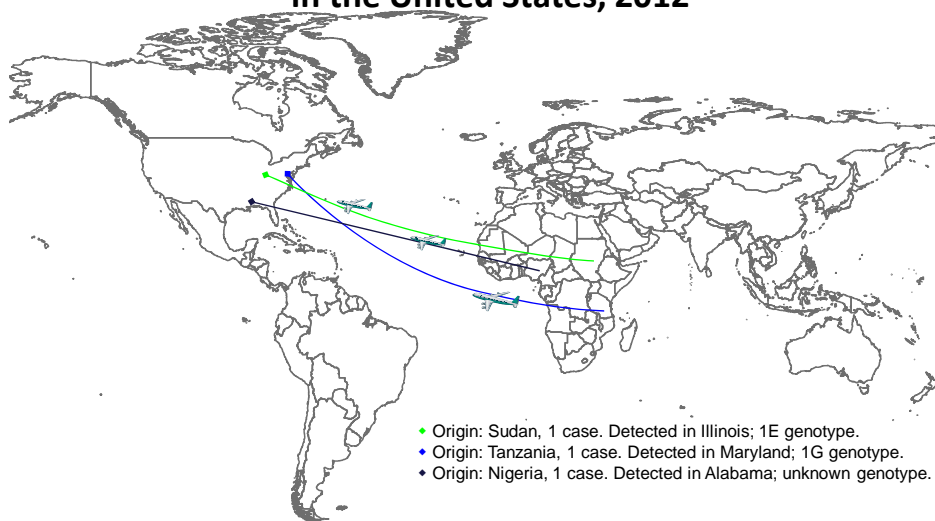
Measles and Rubella Surveillance in the Americas

Vol. 19, No. 12

Week ending 23 March 2013



Imported congenital rubella syndrome (CRS) cases in the United States, 2012*



- ◆ Origin: Sudan, 1 case. Detected in Illinois; 1E genotype.
- ◆ Origin: Tanzania, 1 case. Detected in Maryland; 1G genotype.
- ◆ Origin: Nigeria, 1 case. Detected in Alabama; unknown genotype.

The United States documented elimination of endemic rubella virus transmission in 2004, after implementation of a universal vaccination program, and evidence suggests that endemic rubella virus transmission is eliminated in the Americas. However, rubella virus continues to circulate outside the Western Hemisphere, especially in regions where rubella vaccination programs are not well established placing the region including the United States at risk for imported cases of rubella and CRS from these regions. From 2004 through 2012, six cases of CRS were reported in the United States. Three of these cases occurred during 2012. All three mothers were in Africa early during their pregnancies. Despite the low number of cases of CRS currently reported in the United States, health-care providers and public health departments should remember the potential for future cases, as rubella virus continues to circulate in some parts of the world.

Source: "Three Cases of Congenital Rubella Syndrome in the Post-Elimination Era-- Alabama, Illinois, and Maryland, 2012". *Morbidity and Mortality Weekly Report*. March 29, 2013

** Data as of epidemiological week 12/2013.

Source: Country reports to PAHO/WHO.

Table.1
Classification of Suspect Measles, Rubella, and Congenital Rubella Syndrome (CRS) Cases for the Period of Weeks 01-12, 2013

Subregion and Country	Susp. Cases 2013	Measles Confirmed 2013			Year/Week Last Conf. Measles case	Rubella Confirmed 2013			Year/Week Last Conf. Rubella Case	Diagnosis of Discarded Cases 2013		Congenital Rubella Syndrome			Year/Week Last Conf. CRS Case	
		Clin.	Lab.	Total		Clin.	Lab.	Total		Dengue	Others	Susp.	Conf.	CRI*		
AND	BOL	6	0	0	0	2000/40	0	0	0	2006/03	0	2	0	...	...	...
	COL	248	0	0	0	2012/05	0	0	0	2012/42	1	225	33	0	0	2005/34
	ECU	0	...	...	...	2012/28	...	...	...	2004/45	0	0	0	...	...	...
	PER	97	0	0	0	2008/18	0	0	0	2006/45	0	89	0	...	...	2007/16
	VEN	11	0	0	0	2012/16	0	0	0	2007/51	0	5	0	0	0	...
BRA	BRA	771	2	3	5	2013/11	0	0	0	2009/41	0	511	0	0	0	2009/34
	CRI	3	0	0	0	2005/22	0	0	0	2001/42	1	1	0	0	...	...
	GTM	39	0	0	0	1998/05	0	0	0	2006/30	9	28	0	0	0	2005/00
	HND	6	0	0	0	1997/29	0	0	0	2004/11	1	5	27	0	0	2001/00
	NIC	31	0	0	0	1994/14	0	0	0	2004/19	0	30	0	0	...	2005/00
CAR	PAN	33	0	0	0	2011/20	0	0	0	2002/48	0	33	1	0	...	...
	SLV	74	0	0	0	2001/19	0	0	0	2006/30	0	0	29	0	0	2001/00
	CAR	14	0	0	0	2011/48	0	0	0	2008/18	0	0	0	...	...	1999/00
	CUB	75	0	0	0	1993/27	0	0	0	2004/06	0	75	0	0	...	...
	DOM	15	0	0	0	2011/18	0	0	0	2006/44	0	15	0	...	...	...
LAC	GLP	1	0	0	0	2011/28	0	0	0	...	0	1	0	0	...	2005/00
	GUF	0	0	0	0	2011/26	0	0	0	2010/06	0	0	0	0	...	...
	HTI	36	0	0	0	2001/39	0	0	0	2006/47	0	1	0	0	...	...
	MTQ	0	0	0	0	2011/27	0	0	0	...	0	0	0	0	...	...
	PRI	...	...	...	...	...	...	...	...	...	0	0	0	...	...	...
MEX	MEX	402	0	0	0	2011/12	0	0	0	2012/49	0	349	0	0	...	...
	CAN	...	...	11 ^a	11	2013/12	0	0	0	2012/03	0	0	0	...	...	2011/12
	USA	...	...	17 ^a	17	2013/11	0	1	1	2013/05	0	0	0	...	...	2012/44
SOC	ARG	36	0	0	0	2012/20	0	0	0	2011/20	0	2	26	...	...	2009/27
	CHL	29	0	0	0	2011/25	0	0	0	2011/25	0	28	12	0	0	...
	PRY	185	0	0	0	1998/44	0	0	0	2005/21	73	94	0	0	0	2003/06
	URY	0	0	0	0	1999/08	0	0	0	2001/37	0	0	0	0	0	...
TOTAL	2112	2	31	33	--	0	1	1	--	85	1494	128	0	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 01-12, 2013

Subregion and Country		Measles				Rubella			
		I	IR	CAC	U	I	IR	CAC	U
AND	BOL								
	COL								
	ECU								
	PER								
	VEN								
BRA	BRA	2	3						
	CAP								
	CRI								
	GTM								
	HND								
CAR	NIC								
	PAN								
	SLV								
	CAR								
	LAC								
	CUB								
	DOM								
	GLP								
	GUF								
	HTI								
MEX	MTQ								
	PRI								
	MEX								
NOA	CAN	3	3		5				
	USA	11	6						1
SOC	ARG								
	CHL								
	PRY								
	URY								
TOTAL		16	12		5				1

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 01-12, 2013

Country	Pending Cases 2012	Cumulative 2013	Week of Onset							% Pend.Cases	
			1-7	8	9	10	11	12			
BOL	8	4	4	0	0	0	0	...	67		
COL	18	22	14	2	2	2	2	0	9		
ECU	78	...	...	...	...	...	...	...	...
PER	1	8	5	0	0	2	0	1	8		
VEN	45	6	6	0	0	0	0	0	55		
BRA	618	297	149	46	47	33	21	1	39		
CAP	0	1	1	0	0	0	0	0	33		
CRI	0	2	2	0	0	0	0	0	5		
GTM	0	0	0	0	0	0	0	0	0		
HND	0	1	1	0	0	0	0	0	3		
NIC	0	0	0	0	0	0	0	0	0		
PAN	0	14	5	1	3	2	...	...	19
SLV	0	14	10	3	0	1	0	0	100		
CAR	0	0	0	0	0	0	0	0	0		
LAC	0	0	0	0	0	0	0	0	0		
CUB	0	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	35	9	9	3	8	4	2	97		
MTQ	0	0	0	0	0	0	0	0	0		
PRI	...	...	...	...	...	...	...	...	...
MEX	0	53	34	6	4	4	3	2	13		
NOA	...	...	...	...	...	...	...	...	...
CAN	...	...	...	...	...	...	...	...	...
USA	...	...	...	...	...	...	...	...	...
ARG	164	34	24	2	5	1	1	1	94		
CHL	2	1	0	1	0	0	0	0	3		
PRY	3	18	18	0	0	0	0	0	10		
URY	0	0	0	0	0	0	0	0	0		
TOTAL			937	510	282	70	64	54	33	7	24

... No report received

Table 4.

Indicators of Integrated Measles/Rubella Surveillance for the Period of Weeks 01-12, 2013

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 (2012/13-2013/12)	
		Total Units	% This Week					Measles/Rubella (100,000 pop.)	CRS (10,000 lb)
AND	BOL	...	...	100	100	100	67	1.2	0.4
	COL	5029	97	77	94	96	97	5.0	2.7
	ECU	2184	...	0	0	0	0	1.0	0.5
	PER	0	0	71	95	76	62	1.9	0.0
	VEN	13092	...	82	91	60	50	1.6	0.0
BRA	BRA	13231	83	99	...	99	...	2.8	0.4
	CAP	57	0	0	100	67	100	0.7	0.0
	GTM	1506	9	0	97	79	77	2.2	0.0
	HND	469	93	67	100	100	100	1.2	5.3
	NIC	185	...	90	94	74	90	2.1	0.0
CAR	PAN	217	73	85	100	76	85	3.4	0.1
	SLV	1173	...	81	76	76	82	5.0	10.2
	CAR	738	...	29	0	0	0	5.7	0.0
	LAC	150	...	100	100	100	100	9.3	0.0
	CUB	103	92	13	93	73	60	1.2	0.0
	DOM	...	...	...	...	...	...	0.7	...
	GLP	...	...	...	...	...	...	2.7	...
	GUF	...	...	...	...	...	...	...	...
	HTI	100	92	64	100	67	50	1.5	0.1
	MTQ	...	...	...	...	...	...	0.0	...
MEX	PRI	...	...	...	...	...	...	0.0	...
	MEX	11138	0	98	0	0	0	4.5	0.0
NOA	CAN	...	...	...	...	...	...	...	...
	USA	...	...	...	...	...	...	...	...
SOC	ARG	779	0	3	92	70	36	0.6	1.6
	CHL	569	100	66	93	90	93	1.0	4.2
	PRY	892	87	71	90	97	81	10.9	0.0
	URY	155	0	0	0	0	0	0.2	0.0
Total and Average*		51767	81	87	94	93	82	3.0	0.8

*Weighted

... No report received