

# Measles/Rubella Weekly Bulletin

## Remembering a Hero



Dr. Ciro de Quadros, a Brazilian epidemiologist who was a central figure in the eradication of polio from Latin America and the Caribbean, and a Public Health Hero of the Americas, passed away on May 28, 2014. His contributions and the impact he made on the world will live on forever.

In 1974 de Quadros founded the Expanded Program on Immunization (EPI) at PAHO, which encouraged and supported the countries of Latin America and the Caribbean in making vaccines available for their populations that had previously been available only in wealthier countries. He was also the key figure behind the creation of the PAHO Revolving Fund for Vaccine Procurement, established in 1979, which

pools demand for vaccines and other supplies, achieving economies of scale that allow participating PAHO member countries to purchase vaccines at low prices.

In addition to founding the EPI program at PAHO, de Quadros was influential in the development of the national immunization programs across the Americas, the training and development of human resources, the overall strategy of the regular program, and the planning and execution of vaccination campaigns. Under his leadership, the Americas became the first Region of the world to eradicate polio and to eliminate measles and rubella. His influence expanded to other Regions of the world as well. He was a visionary and a dreamer and has provided the Americas and the rest of the world with a strong example of public health excellence.

In honoring de Quadros with this Public Health Hero award in April 2014, Dr. Carissa Etienne, Director of PAHO, stated "We at PAHO believe that no single person has done more to extend the benefits of immunization to people throughout the Americas."

Table.1  
Classification of Suspect Measles, Rubella, and Congenital Rubella Syndrome (CRS) Cases for the Period of Weeks 01-21, 2014

Subregion and Country	Susp. Cases 2014	Measles Confirmed 2014			Year/Week Last Conf. Measles case	Rubella Confirmed 2014			Year/Week Last Conf. Rubella Case	Diagnosis of Discarded Cases 2014		Congenital Rubella Syndrome			Year/Week Last Conf. CRS Case		
		Clin.	Lab.	Total		Clin.	Lab.	Total		Dengue	Others	Susp.	Conf.	CRI*			
AND	BOL	54	0	0	0	2000/40	0	0	0	2006/03	0	50	0	...	...	...	
	COL	567	0	0	0	2013/25	0	0	0	2012/42	0	530	106	0	0	2005/34	
	ECU	...	...	...	...	2012/28	...	...	...	2004/45	...	...	...	...	...	...	
	PER	142	0	0	0	2008/18	0	0	0	2006/45	0	123	0	0	0	2007/16	
	VEN	177	0	0	0	2012/16	0	0	0	2007/51	19	145	5	...	...	...	
BRA	BRA	2116	17	190	207	2014/19	0	0	0	2009/41	0	1549	26	0	0	2009/34	
	CAP	CRI	11	0	0	0	2005/22	0	0	0	2001/42	1	8	0	0	...	
	GTM	38	0	0	0	1998/05	0	0	0	2006/30	1	36	1	...	...	2005/00	
	HND	13	0	0	0	1997/29	0	0	0	2004/11	0	0	6	0	0	2001/00	
	NIC	41	0	0	0	1994/14	0	0	0	2004/19	1	7	9	0	0	2005/00	
CAR	PAN	120	0	0	0	2011/20	0	0	0	2002/48	0	118	0	...	...	...	
	SLV	261	0	0	0	2001/19	0	0	0	2006/30	0	108	0	0	0	2001/00	
	LAC	CAR	143	0	0	0	2011/48	0	0	0	2008/18	0	135	0	...	...	1999/00
	CUB	399	0	0	0	1993/27	0	0	0	2004/06	0	399	0	0	0	...	
	DOM	29	0	0	0	2011/18	0	0	0	2006/44	0	28	0	...	...	...	
MEX	GLP	0	0	0	0	2011/28	0	0	0	...	...	...	...	0	...	2005/00	
	GUF	0	0	0	0	2011/26	0	0	0	2010/06	...	...	...	0	...	...	
	HTI	69	0	0	0	2001/39	0	0	0	2006/21	0	55	7	0	0	...	
	MTQ	0	0	0	0	2011/27	0	0	0	...	...	...	...	0	...	...	
	PRI	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
NOA	MEX	1329	0	2	2	2014/04	0	0	0	2012/49	0	1068	0	0	0	...	
	CAN	...	385 <sup>a</sup>	111	496 <sup>b</sup>	2014/21	0	1	1	2014/10	0	0	0	0	0	2011/12	
SOC	USA	...	...	288	288 <sup>b</sup>	2014/19	0	1	1	2014/16	...	...	...	...	...	2012/44	
	ARG	86	0	0	0	2012/20	0	0	0	2011/20	1	50	8	...	...	2009/27	
	CHL	38	0	0	0	2011/25	0	0	0	2011/25	0	25	46	0	0	...	
	PRY	119	0	0	0	1998/44	0	0	0	2005/21	0	107	2	0	0	2003/06	
	URY	...	...	...	...	1999/08	...	...	...	2001/37	...	...	...	...	...	...	
<b>TOTAL</b>	<b>5473</b>	<b>402</b>	<b>591</b>	<b>993</b>	<b>--</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>--</b>	<b>23</b>	<b>4541</b>	<b>216</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>--</b>	

\*Congenital Rubella Infection; (a) Provisional data and subject to change. Cases are epidemiologically linked and pending investigation. (b)Provisional data.

...No report received



# Measles/Rubella Surveillance

**Table No.2**  
Infection Source of Measles and Rubella Confirmed Cases for the Period of Weeks 01-21, 2014

Subregion and Country		Measles				Rubella			
		I	IR	CAC	U	I	IR	CAC	U
AND	BOL								
	COL								
BRA	ECU								
	PER								
CAP	VEN				207				
	BRA								
CAR	CRI								
	GTM								
LAC	HND								
	NIC								
MEX	PAN								
	SLV								
NOA	CAR								
	CUB								
SOC	DOM								
	GLP								
URY	GUF								
	HTI								
URY	MTQ								
	PRI								
URY	MEX			2					
	NOA	21	40		435	1			
URY	CAN	78	101		8	1			
	SOC								
URY	ARG								
	CHL								
URY	URY								
	TOTAL	99	141		652	2	0	0	0

**Table No.3**  
Measles/Rubella Suspect Cases Under Investigation for the Period of Weeks 01-21, 2014

Country	Pending Cases 2013	Cumulative 2014	Week of Onset							% Pend.Cases
			1-16	17	18	19	20	21		
BOL	1	4	0	2	2	0	...	...	7	
COL	14	37	28	2	3	4	0	...	7	
ECU	...	...	...	...	...	...	...	...	...	
PER	15	19	15	1	2	0	1	0	15	
VEN	2	13	10	1	1	1	0	0	8	
BRA	311	360	0	0	0	0	360	0	18	
CRI	0	2	2	0	0	0	0	0	18	
GTM	11	1	1	...	...	...	...	...	3	
HND	0	0	0	...	...	...	...	...	0	
NIC	0	33	17	3	2	4	4	3	100	
PAN	0	2	2	0	0	0	0	0	2	
SLV	0	150	111	17	10	12	0	...	57	
CAR	0	8	4	0	0	1	2	1	6	
LAC	0	0	0	0	0	0	0	0	0	
CUB	0	1	1	0	0	0	0	...	3	
DOM	0	0	0	0	0	0	0	...	0	
GLP	0	0	0	0	0	0	0	...	0	
GUF	0	0	0	0	0	0	0	...	0	
HTI	0	14	6	3	4	1	0	...	20	
MTQ	0	0	0	0	0	0	0	...	0	
PRI	...	...	...	...	...	...	...	...	...	
MEX	35	4	4	0	0	0	0	0	0	
CAN	...	...	...	...	...	...	...	...	...	
USA	...	...	...	...	...	...	...	...	...	
ARG	84	35	25	2	4	1	3	0	48	
CHL	0	13	13	0	0	0	0	0	34	
PRY	6	10	10	0	0	0	0	0	8	
URY	...	...	...	...	...	...	...	...	...	
TOTAL	479	706	249	31	28	24	370	4	13	

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

... No report received

**Table 4.**  
Indicators of Integrated Measles/Rubella Surveillance for the Period of Weeks 01-21, 2014

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 (2013/22-2014/21)	
		Total Units	% This Week					Measles/Rubella (100,000 pop.)	CRS (10,000 lb)
AND	BOL	3123	...	98	98	82	86	1.5	0.5
	COL	6215	...	74	94	92	97	4.7	1.2
BRA	ECU	2184	...	...	...	...	...	0.0	0.0
	PER	...	...	84	91	78	45	1.4	0.0
CAP	VEN	13092	...	91	98	58	40	1.7	0.1
	BRA	10809	79	99	79	79	54	2.9	0.1
CAR	CRI	57	...	18	82	70	50	0.6	0.0
	GTM	1506	...	26	95	62	70	1.7	0.0
LAC	HND	469	...	38	100	92	100	1.9	0.3
	NIC	185	100	41	95	82	79	2.7	0.7
MEX	PAN	223	86	94	98	79	89	5.9	0.3
	SLV	893	...	23	72	76	70	7.3	3.8
NOA	CAR	719	44	10	88	5	91	4.6	0.0
	CUB	150	100	100	100	100	100	11.0	0.0
SOC	DOM	...	...	10	100	68	73	0.9	0.0
	GLP	...	...	...	...	...	...	0.4	...
URY	GUF	...	...	...	...	...	...	0.4	...
	HTI	126	...	91	99	80	56	2.9	0.3
URY	MTQ	...	...	...	...	...	...	...	...
	PRI	...	...	...	...	...	...	...	...
URY	MEX	11138	...	98	95	89	80	3.8	0.0
	NOA	...	...	...	...	...	...	...	...
URY	USA	...	...	...	...	...	...	...	...
	SOC	779	...	19	93	59	20	0.7	0.1
URY	CHL	749	100	61	86	92	96	0.9	0.0
	PRY	988	...	54	94	94	97	4.6	0.1
URY	URY	155	...	...	...	...	...	0.0	0.0
	TOTAL and Average*	53560	81	86	88	82	71	2.8	0.7

\*Weighted