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Measles and Rubella Surveillance in the Americas

Week ending
11 September 2010

Celebrating 50 Years of Measles Vaccine Use!

Measles vaccine was first used in Nigeria (Imesi-Ile) 50 years ago in 1960-61. It was later used simultaneously with smallpox and yellow fever vaccines in Burkina Faso (then Haute Volta) in 1962. It became available in combination with mumps and rubella as MMR in 1971.

References

(1) Katz SL, Morley DC, Krugman S. Attenuated measles vaccine in Nigerian children, *AmerJDisChild* 103:405,1962; (2) Meyer HM jr, Hostetler DD jr, Bernheim BC, Rogers NG, Lambin P, Chassary A, Smadel JE. Response of Volta children to live attenuated measles virus vaccine. *Bull World Health Organ.* 1964;30:769-81 (<http://www.vaccineinformation.org/measle/s/qandavax.asp>).

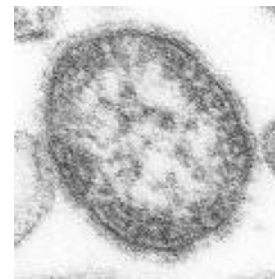
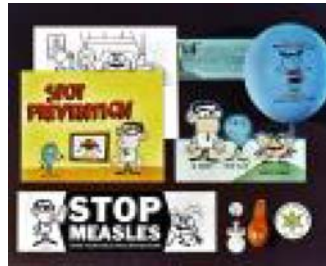


Table.1
Classification of Suspect Measles, Rubella, and Congenital Rubella Syndrome (CRS) Cases for the Period of Weeks 01-36, 2010

Subregion and Country	Suspect Cases 2010	Measles Confirmed 2010			Year/Week Last Confr. Measles Case	Rubella Confirmed 2010			Year/Week Last Confr. Rubella Case	Diagnosis of Discarded Cases 2010		Congenital Rubella Syndrome		CRI *	
		Clinic.	Lab.	Total		Clinic.	Lab.	Total		Dengue	Other	Suspect	Conf.		
AND	BOL	63	0	0	0	00/40	0	0	0	06/03	0	59	...	...	...
	COL	1090	0	0	0	02/39	0	0	0	07/31	1	1031	141	0	...
	ECU	434	0	0	0	08/21	0	0	0	04/45	73	361	1	0	...
	PER	450	0	0	0	08/18	0	0	0	06/45	1	405	...	...	...
	VEN	452	0	0	0	07/06	0	0	0	07/34	97	287	...	...	...
BRA	BRA	5703	1	4	5	10/33	0	0	0	09/41	505	4005	0	0	...
CAP	COR	21	0	0	0	05/22	0	0	0	01/42	0	0	0	0	0
	ELS	71	0	0	0	01/19	0	0	0	06/30	9	62	...	...	...
	GUT	207	0	0	0	98/05	0	0	0	06/30	14	193	0	0	0
	HON	118	0	0	0	97/29	0	0	0	04/11	28	81	10	0	0
	NIC	70	0	0	0	94/14	0	0	0	04/19	0	70	...	...	...
	PAN	56	0	0	0	95/49	0	0	0	02/48	0	44	0	0	0
CAR	CAR	234	0	0	0	08/26	0	0	0	08/18	11	209	0	0	...
LAC	CUB	614	0	0	0	93/27	0	0	0	04/06	0	614	0	0	...
	DOR	104	0	0	0	01/23	0	0	0	06/44	0	43	...	...	...
	FGU	23	0	2	2	10/15	0	1	1	10/06	11	9	...	...	...
	GUA	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	HAI	9	0	0	0	01/39	0	0	0	06/47	0	3	0	0	...
	MAR	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	PUR	...	...	...	...	...	...	...	...	...	...	...	...	...	...
MEX	MEX	2172	0	0	0	06/49	0	0	0	08/20	0	2007	1	0	...
NOA	CAN	...	0	92	92 ^a	10/34	0	7	7 ^a	10/17	...	...	...	...	...
	USA	...	0	51	51 ^a	10/34	0	7	7 ^a	10/22	...	...	0	0	...
SOC	ARG	70	0	13	13	10/34	0	0	0	09/05	2	67	1	0	...
	CHI	92	0	0	0	09/07	0	0	0	08/30	0	76	113	0	...
	PAR	278	0	0	0	98/44	0	0	0	05/21	18	260	0	0	...
	URU	0	0	0	0	99/08	0	0	0	01/37	0	0	...	...	...
TOTAL		12331	1	162	163	--	0	15	15	--	770	9886	267	0	0

... No report received; * Congenital rubella infection; (a) Provisional data.



Measles / Rubella Surveillance

Table No.2
Infection Source of Measles and Rubella Confirmed Cases for the Period of Weeks 01-36, 2010

Subregion and Country		Measles			Rubella			
		I	IR	U	I	IR	U	IN
AND	BOL							
	COL							
	ECU							
	PER							
	VEN							
BRA	BRA	2	3					
CAP	COR							
	ELS							
	GUT							
	HON							
	NIC							
CAR	PAN							
	CAR							
	LAC							
	CUB							
	DOR							
FGU	1	1		1				
GUA								
HAI								
MAR								
PUR								
MEX	MEX							
NOA	CAN	7	25	60	2	5		
	USA	35	8	8	5		2	
SOC	ARG	2	2	5				
	CHI							
	PAR							
	URU							
TOTAL		47	39	73	8	5	2	

Table No.3
Measles/Rubella Suspect Cases Under Investigation for the Period of Weeks 01-36, 2010

Country	Pending Cases 2009	Cumulative 2010	Week of Rash Onset							Unkn.
			1-31	32	33	34	35	36		
BOL	0	4	4	...	...	...	...	...	...
COL	1	58	29	7	6	5	4	7		
ECU	0	0	0	0	0	0	0	0		
PER	0	44	38	3	3	...	...	...
VEN	0	68	60	0	3	0	0	0		5
BRA	0	1190	906	57	64	110	53	...		
COR	0	21	19	0	2	0	0	0		
ELS	0	0	0	...	...	...	...	...
GUT	0	0	0	0	0	0	0	0		
HON	0	9	8	1	0	0	0	0		
NIC	0	0	0	0	0	0	...	...
PAN	1	8	7	0	0	1	0	0		
CAR	0	14	14	0	0	0	0	0		
CUB	0	0	0	0	0	0	0	0		
DOR	0	61	54	2	1	1	1	0		2
FGU	0	0	0	...	...	...	...	...
GUA	...	...	...	...	...	...	...	...
HAI	2	6	5	...	...	...	...	...		1
MAR	...	...	...	...	...	...	...	...
PUR	...	...	...	...	...	...	...	...
MEX	0	75	68	4	3	0	...	...
CAN	...	...	...	...	...	...	...	...
USA	...	...	...	...	...	...	...	...
ARG	0	2	2	...	...	...	...	...
CHI	0	16	9	0	1	2	2	2		
PAR	0	0	0	0	0	0	0	0		
URU	0	0	0	0	0	0	0	0		
TOTAL		4	1576	1223	74	83	119	60	9	8

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 01-36, 2010

Subregion and Country		% Sites Reporting Weekly	% Cases with Adequate Investigation	% Cases with Adequate Sample	% Lab Received ≤5 days	% Lab Result ≤4 days	Chains of Transmission With Representative Samples for Viral Isolation	
							Measles	Rubella
AND	BOL	77	100	98	76	63		
	COL	76	82	93	95	94		
	ECU	93	64	99	97	93		
	PER	97	86	94	67	55		
	VEN	85	57	89	63	66		
BRA	BRA	80	69	85	...	...
CAP	COR	0 ^a	24	76	75	25		
	ELS	...	83	100	94	86		
	GUT	21 ^a	43	100	100	79		
	HON	92	90	98	78	94		
	NIC	100	89	97	93	71		
CAR	PAN	76 ^a	77	98	98	77		
	CAR	99	69	93	38	84		
	LAC	CUB	100	100	100	100	100	
	DOR	86	41	88	55	34		
	FGU	...	...	...	...	...
GUA	...	...	...	...	...
HAI	100	50	56	...	...	
MAR	...	...	...	...	...
PUR	...	...	...	...	...
MEX	MEX	...	...	...	...	...
NOA	CAN	...	...	...	...	...
	USA	...	...	...	...	...
SOC	ARG	30	20	100	80	100		
	CHI	99	10	77	59	93		
	PAR	90	62	98	82	94		
	URU	0 ^a	0	0	0	0		
Total and Average		81	71	89	83	84		

... No report received; (a) ISIS countries reporting only current week.