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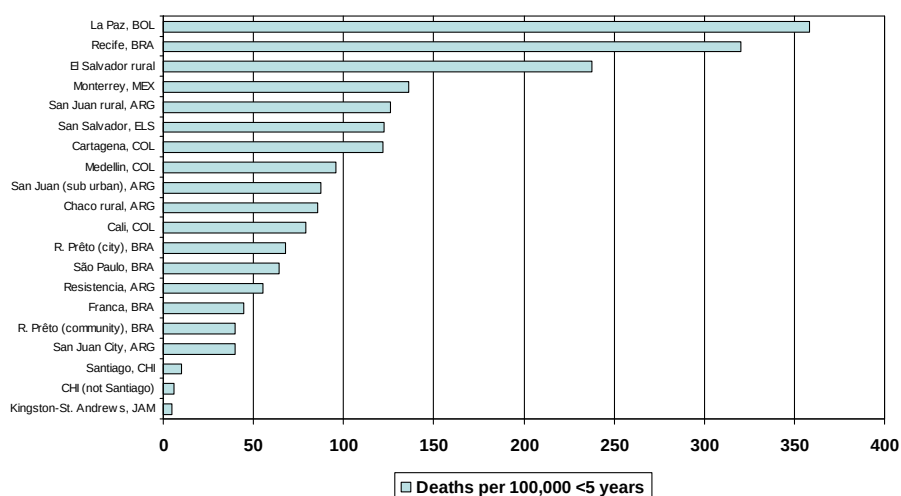
Measles and Rubella Surveillance in the Americas

Week ending
24 July 2010

Measles Mortality in selected areas of Latin America and the Caribbean, 1968-1970

Forty years ago, measles was the first or the second cause of mortality among children aged less than 5 years, according to a study on mortality implemented in selected areas in Latin America and the Caribbean.* In this study, measles was the cause of death in 6% of children < 5 years; and of 19.9% of deaths in the second year of life. Thanks to the immunization programs, the last measles death in the Americas was reported in Venezuela in 2002. With measles elimination in the Americas, an estimated of 16,000 deaths will have been prevented for the period 2000-2020.

Puffer, RR and Serrano CV. *Patterns of Mortality in Childhood. Report of the Inter-American Investigation of mortality in Childhood*. Scientific Publication No. 262. Pan American Health Organization, Washington D.C., 1973.



Adapted from Puffer, RR and Serrano CV. *Patterns of Mortality in Childhood. Report of the Inter-American Investigation of mortality in Childhood*. Scientific Publication No. 262. Pan American Health Organization, Washington D.C., 1973.
Viacha, Bolivia had the highest mortality rate of the study at 746.3 deaths per 100,000 children <5 years; data not shown in this graph.

Table.1
Classification of Suspect Measles, Rubella, and Congenital Rubella Syndrome (CRS) Cases for the Period of Weeks 01-29, 2010

Classification of Suspect Measles, Rubella, and Congenital Rubella Syndrome (CRS) Cases for the Period of Weeks 01-25, 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 Dis-carded Cases 2010		Congenital Ru-bella 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	744	0	0	0	02/39	0	0	0	07/31	1	701	94	0	...
	ECU	334	0	0	0	08/21	0	0	0	04/45	62	271	0	0	...
	PER	344	0	0	0	08/18	0	0	0	06/45	1	296	...	...	...
	VEN	305	0	0	0	07/06	0	0	0	07/34	72	219	...	...	...
BRA CAP	BRA	4017	0	0	0	06/48	0	0	0	08/53	157	2868	0	0	...
	COR	9	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	134	0	0	0	98/05	0	0	0	06/30	9	125	0	0	0
	HON	93	0	0	0	97/29	0	0	0	04/11	21	67	10	0	0
CAR LAC	NIC	60	0	0	0	94/14	0	0	0	04/19	0	60	...	...	...
	PAN	47	0	0	0	95/49	0	0	0	02/48	0	31	0	0	0
	CAR	204	0	0	0	08/26	0	0	0	08/18	2	141	0	0	...
	CUB	582	0	0	0	93/27	0	0	0	04/06	0	582	0	0	...
	DOR	90	0	0	0	01/23	0	0	0	06/44	0	10	...	...	...
	FGU	23	0	2	2 ^a	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 NOA	MEX	1935	0	0	0	06/49	0	0	0	08/20	0	1808	0	0	...
	CAN	...	0	90	90 ^a	10/22	0	7	7 ^a	10/17	...	...	...	...	...
	USA	...	0	37	37 ^a	10/27	0	7	7 ^a	10/22	...	...	0	0	...
SOC	ARG	70	0	0	0	09/15	0	0	0	09/05	2	67	1	0	...
	CHI	69	0	0	0	09/07	0	0	0	08/30	0	58	113	0	...
	PAR	234	0	0	0	98/44	0	0	0	05/21	18	216	0	0	...
	URU	0	0	0	0	99/08	0	0	0	01/37	0	0	...	...	...
TOTAL		9437	0	129	129	--	0	15	15	--	365	7653	218	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 01-29, 2010

Subregion and Country		Measles			Rubella			
		I	IR	U	I	IR	U	IN
AND	BOL							
	COL							
	ECU							
	PER							
	VEN							
BRA	BRA							
CAP	COR							
	ELS							
	GUT							
	HON							
	NIC							
PAN	PAN							
CAR	CAR							
LAC	CUB							
	DOR							
	FGU	1	1		1			
	GUA							
	HAI							
	MAR							
	PUR							
MEX	MEX							
NOA	CAN	5	25	60	2	5		
	USA	23	5	9	5		2	
SOC	ARG							
	CHI							
	PAR							
	URU							
TOTAL		29	31	69	8	5	2	

Table No.3
Measles/Rubella Suspect Cases Under Investigation
for the Period of Weeks 01-29, 2010

Country	Pending Cases 2009	Cumulative 2010	Week of Rash Onset						
			1-24	25	26	27	28	29	Unkn.
BOL	0	4	2	2	0	0	0	0	
COL	0	42	35	5	1	0	1	0	
ECU	0	1	0	0	0	0	0	1	
PER	2	47	38	1	5	3	0	0	
VEN	0	14	13	0	0	0	0	0	1
BRA	490	1084	961	28	28	23	44	...	
COR	8	9	9	0	0	0	0	...	
ELS	0	0	0	0	0	0	0	0	
GUT	0	0	0	0	0	0	0	...	
HON	0	5	5	0	0	0	0	0	
NIC	0	0	0	0	0	0	0	0	
PAN	1	12	6	2	0	0	4	0	
CAR	0	61	40	8	8	4	1	0	
CUB	0	0	0	0	0	0	0	0	
DOR	0	80	70	4	3	1	2	0	
FGU	0	0	0	...	...	...	...	...	
GUA	...	...	...	...	...	...	...	...	
HAI	2	6	5	0	0	0	0	0	1
MAR	...	...	...	...	...	...	...	...	
PUR	...	...	...	...	...	...	...	...	
MEX	0	0	0	0	0	0	0	0	
CAN	...	...	...	...	...	...	...	...	
USA	...	...	...	...	...	...	...	...	
ARG	0	2	2	...	...	...	...	...	
CHI	0	11	6	0	2	1	2	0	
PAR	0	0	0	0	0	0	0	0	
URU	0	0	0	0	0	0	0	0	
TOTAL	503	1378	1192	50	47	32	54	1	2

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 01-29, 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	79	76	95	94	93		
	ECU	94	67	99	97	93		
	PER	97	83	92	67	53		
	VEN	85	49	89	67	61		
BRA	BRA	78	69	85	...	...		
CAP	COR	0 ^a	22	89	75	25		
	ELS	...	83	100	94	86		
	GUT	0 ^a	40	100	99	74		
	HON	92	90	99	78	92		
	NIC	100	87	97	92	68		
PAN	PAN	0 ^a	74	98	98	70		
CAR	CAR	99	70	96	40	71		
LAC	CUB	100	100	100	100	100		
	DOR	86	40	89	58	39		
	FGU	...	...	...	...	...		
	GUA	...	...	...	...	...		
	HAI	100	50	56	...	...		
	MAR	...	...	...	...	...		
	PUR	...	...	...	...	...		
MEX	MEX	...	...	...	...	...		
NOA	CAN	...	...	...	...	...		
	USA	...	...	...	...	...		
SOC	ARG	30	20	100	80	100		
	CHI	99	7	78	61	95		
	PAR	90	61	98	80	93		
	URU	53	...	...	...	...		
Total and Average		84	70	90	84	82		

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