



**PAN AMERICAN HEALTH ORGANIZATION**  
**PAN AMERICAN SANITARY BUREAU REGIONAL OFFICE OF THE**  
**WORLD HEALTH ORGANIZATION**



Vol. 6 No. 12

*Division of Vaccines and Immunization*  
*Expanded Program on Immunization*  
*Measles Surveillance in the Americas*

*Weekly Bulletin for the week*  
*ending 25 March 2000*

**ACTIVE MUNICIPALITIES**  
**(MUNICIPALITIES WITH MEASLES TRANSMISSION)**

Active municipalities are those with confirmed measles cases with onset within the last 12 weeks.

The following is essential in all active municipalities:

- Regular visits (weekly if necessary) to verify through active search and careful investigation of cases and their contacts the existence of additional cases. Case investigations must necessarily include a survey of place of residence and/or workplace to determine who has shown symptoms of measles, to collect the necessary blood and urine samples, and to determine in which places the cases have been within: (a) 7 -18 days prior to rash onset (source of infection) and (b) between the beginning of the first symptoms (cough, coriza and/or conjunctivitis) until the 4 days following the beginning of rash (places where cases could have infected others). These places should also be investigated.
- Monitor measles vaccination coverage for children 6 months to 4 years of age in two or more blocks defined by the epidemiologist as high-risk (hard-to reach, and/or with high migrant population, and/or with recent cases).
- If vaccination coverage in a municipality is found to be under 95%, house-to-house vaccination of all children 6 months to 4 years of age should be carried out in the entire municipality.
- If, either through case investigations or because of previous epidemiological knowledge, other risk groups are identified, these groups should also be vaccinated.

Table No. 1  
 Classification of Suspected Measles & Rubella Cases  
 for the period between weeks 01 to 12, 2000

Site	Reported Cases		Measles Confirmed			Measles Confirmed 1999		Rubella Confirmed			Diagnosis of Discarded Cases			
	Total	In Inv.	Clinic.	Lab.	Total	Week 1- 12	Total	Clinic.	Lab.	Total	Dengue	Other		
AND	BOL	118	13	5	30	35	391	1.461	0	14	14	0	56	
	COL	115	4	0	0	0	18	37	0	19	19	1	91	
	ECU	167	47	0	0	0	0	0	0	43	43	0	77	
	PER	350	68	0	0	0	0	12	0	108	108	0	174	
	VEN	77	12	0	0	0	0	0	0	0	0	2	63	
BRA	BRA	4,350	2,440	0	16	16	43	789	116	260	376	0	1,518	
CAP	COR	10	7	0	0	0	0	24	0	0	0	0	3	
	ELS	100	1	0	0	0	0	0	0	12	12	8	79	
	GUT	207	18	0	0	0	0	0	0	0	0	0	189	
CAR	HON	89	22	0	0	0	0	0	20	7	27	3	37	
	NIC	128	0	0	0	0	0	0	0	37	37	7	84	
	PAN	3	0	0	0	0	0	0	0	1	1	0	2	
	LAC	CAR	68	19	0	0	0	0	0	0	0	0	7	42
		CUB	69	56	0	0	0	0	0	0	0	0	0	13
	DOR	870	372	0	58	58	82	220	0	215	215	0	225	
	FGU	0	0	0	0	0	0	0	0	0	0	0	0	
	GUA	0	0	0	0	0	0	0	0	0	0	0	0	
	HAI	27	2	0	17	17	0	0	0	0	0	0	0	
	MAR	0	0	0	0	0	0	0	0	0	0	0	0	
PUR	0	0	0	0	0	0	0	0	0	0	0	0		
MEX	MEX	80	60	0	0	0	0	0	0	0	0	0	20	
	CAN	1	0	0	1	1	3	20	0	0	0	0	0	
	USA	4	0	0	4	4	11	86	0	0	0	0	0	
SOC	ARG	33	1	1	3	4	113	247	0	1	1	0	27	
	CHI	13	5	0	0	0	26	31	0	1	1	0	7	
	PAR	185	40	0	0	0	0	0	0	1	1	71	73	
	URU	1	0	0	0	0	9	34	0	0	0	0	1	
Total		7,065	3,187	6	129	135	696	2,961	136	719	855	99	2,781	

No report received

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Table No. 2

Measles Suspect Cases Under Investigation for the period between weeks 01 to 12, 2000

Region	Country	Pending cases from 1999	Cumulative 2000	Week of Rash Onset						
				1-4	5-8	9	10	11	12	
AND	BOL	10	13	5	3	2	2	...	1	
	COL	0	4	0	1	1	2	0	0	
	ECU	0	47	6	32	6	3	0	...	
	PER	0	32	24	8	0	0	...	...	
	VEN	0	12	0	5	3	2	2	...	
BRA CAP	BRA	120	0	...	...	...	...	...	...	
	COR	1	0	...	...	...	...	...	...	
	ELS	0	1	0	0	1	0	0	0	
	GUT	0	18	...	5	8	4	1	...	
	HON	0	6	1	3	0	2	0	0	
	NIC	0	0	0	0	0	0	0	0	
	PAN	0	0	...	...	...	...	...	...	
	CAR LAC	CAR	0	19	5	5	4	1	4	...
	CUB	0	0	...	...	...	...	...	...	
DOR	1	307	2	199	77	29	...	...		
MEX NOA	FGU	0	0	...	...	...	...	...	...	
	GUA	0	0	...	...	...	...	...	...	
	HAI	0	0	...	...	...	...	...	...	
	MAR	0	0	...	...	...	...	...	...	
	PUR	0	0	...	...	...	...	...	...	
	MEX	0	5	2	3	...	...	...	...	
	CAN	0	0	...	...	...	...	...	...	
	USA	0	0	...	...	...	...	...	...	
	SOC	ARG	69	1	0	1	0	0	0	0
		CHI	1	5	1	3	0	0	1	...
PAR		0	40	0	11	12	16	1	...	
URU		0	0	...	...	...	...	...	...	
TOTAL		202	510	46	279	114	61	9	1	

... No report received through the Measles Elimination Surveillance System

Table No. 3

Measles Surveillance Indicators for the period between weeks 01 to 12, 2000

Region	Country	% Sites Reporting Weekly	% Cases Investigated ≤48 Hours	% Cases W/Complete Inves. Form	% Cases W/Adequate Sample	% Lab. Results ≤7 Days	Number of Active Municipalities	
AND	BOL	...	98	9	84	84	8	
	COL	86	85	54	99	95	0	
	ECU	95	95	1	16	68	0	
	PER	88	99	69	98	84	0	
	VEN	85	89	96	92	98	0	
BRA CAP	BRA	...	...	...	...	...	...	
	COR	...	...	...	...	...	0	
	ELS	100	85	15	97	91	0	
	GUT	...	92	3	91	97	0	
	HON	100	95	86	100	57	0	
	NIC	99	93	89	98	100	0	
	PAN	...	100	0	100	100	0	
	CAR LAC	CAR	99	75	68	96	94	0
	CUB	...	...	...	...	...	0	
DOR	0	97	1	97	40	19		
MEX NOA	FGU	...	...	...	...	...	0	
	GUA	...	...	...	...	...	0	
	HAI	...	...	...	...	...	1	
	MAR	...	...	...	...	...	0	
	PUR	...	...	...	...	...	0	
	MEX	95	100	50	100	25	0	
	CAN	...	...	...	...	...	1	
	USA	...	...	...	...	...	3	
	SOC	ARG	100	50	0	50	...	1
		CHI	100	85	15	92	100	0
PAR		87	90	29	72	36	0	
URU		...	...	...	...	...	0	
TOTAL		91	94	24	86	64	33	

... No report received