



Epidemiological Surveillance of Measles in Mexico:
Summary of an official report from the Secretary of Health, Mexico

“The “Febrile Rash Illness (FRI)” Epidemiological Surveillance System reported the timely detection of a new measles case from the Federal District during epidemiological week 22 of 2003. The case is a female of 11 months of age with a completed vaccination schedule for her age (MR vaccine is administered at age 12 months) and who resides in the Federal District. Date of rash onset is 9 May. The case was diagnosed according to clinical, epidemiological and laboratory criteria.

Actions taken have included clinical and epidemiological studies of the case and of her family; active case search around the home and in business centers; vaccination of susceptibles age 6 months to 4 years, as well as susceptible adults; retrospective search for suspected cases in health units, and rapid coverage monitoring in risk areas. As of today, more than 7,000 homes have been visited and more than 81,000 diagnoses have been reviewed. As a result of this search, 172 suspected cases were detected, of which 166 were discarded; the other six were confirmed according to the same criteria listed above. Epidemiological alerts were sent to all levels and to all institutions of the National Health System so as to identify the chain of transmission.

Since our country has a dynamic FRI epidemiologic surveillance system, which has demonstrated that no cases have occurred in Mexico for over 30 months (since 2000), and since there has been no new cases in the Region of the Americas since November 2002, it is believed that this case is the result of an importation into the country, with implications regarding the possible appearance of new cases. Therefore, rapid detection and control is necessary to avoid further dissemination throughout the country.” (20-Jun-03)

Table No. 1
Classification of Suspected Measles & Rubella Cases for the Period between Weeks 01-24, 2003

Subregion and Country		Reported Cases 2003		Measles Confirmed 2003			Measles Confirmed 2002		Year/Week of Last Confir. Case	Rubella Confirmed 2003			Diagnosis of Discarded Cases 2003		
		Total	Under Inv.	Clinic.	Lab.	Total	Week 1-24	Total		Clinic.	Lab.	Total	Dengue	Other	
AND	BOL	272	1	0	0	0	0	0	00/40	0	11	11	0	260	
	COL	729	12	0	0	0	79	140**	02/37	3	6	9	47	661	
	ECU	245	2	0	0	0	0	0	01/14	37	10	47	10	186	
	PER	442	38	0	0	0	0	0	00/13	0	35	35	0	369	
	VEN	759	0	0	0	0	2305	2392	02/47	0	10	10	77	672	
BRA	BRA	6415	1311	0	0	0	1	1*	02/11	30	131	161	0	4943	
CAP	COR	6	0	0	0	0	0	0	99/23	...	...	...	...	6
	ELS	123	0	0	0	0	0	0	01/19	0	2	2	11	110	
	GUT	184	2	0	0	0	0	0	98/05	0	0	0	0	182	
	HON	78	0	0	0	0	0	0	97/29	0	0	0	7	71	
	NIC	102	0	0	0	0	0	0	94/14	0	2	2	12	88	
CAR	PAN	104	0	0	0	0	0	0	95/49	0	0	0	4	100	
	CAR	109	5	0	0	0	0	0	98/23	0	0	0	14	90	
	LAC	CUB	411	107	0	0	0	0	0	93/27	0	0	0	0	304
	DOR	340	2	0	0	0	0	0	01/23	0	2	2	1	335	
	FGU	7	0	0	0	0	...	...	...	...	...	...	...	7
MEX	GUA	...	...	...	...	...	...	...	...	...	...	...	...	...
	HAI	5	0	0	0	0	0	0	01/39	0	0	0	0	5	
	MAR	...	...	...	...	...	...	...	...	...	...	...	...	...
	PUR	0	0	0	0	0	0	0	...	0	0	0	0	0	
	MEX	418	135	0	7	7#	0	0	03/24	0	4	4	0	272	
NOA	CAN	8	...	0	8	8*	5	6*	03/14	...	...	...	...	...
	USA	21	...	0	17	17*	13	37*†	03/20	0	4	4	...	...
SOC	ARG	163	28	0	0	0	0	0	99/52	0	4	4	0	131	
	CHI	36	1	0	1	1*	0	0	03/19	0	0	0	0	34	
	PAR	102	0	0	0	0	0	0	99/03	0	3	3	1	98	
	URU	2	0	0	0	0	0	0	...	0	0	0	0	2	
Total		11081	1644	0	33	33	2403	2576	---	70	224	294	184	8926	

... No report received during 2003 * Due to importation ** Of which 53 cases are imported †Provisional #Suspected as import-related



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Table No. 2

Measles Suspected Cases Under Investigation for the Period between Weeks 01-24, 2003

Region	Country	Pending cases from 2002	Cumulative 2003	Week of Rash Onset										Unknown
				1-4	5-8	9-12	13-16	17-20	21	22	23	24		
AND	BOL	0	0	0	0	0	0	0	0	0	0	0	0	2
	COL	0	8	0	0	1	1	2	0	0	2	0	0	
	ECU	0	0	0	0	0	0	0	0	0	0	0	0	
	PER	0	3	0	0	0	2	1	0	0	0	0	0	
	VEN	0	0	0	0	0	0	0	0	0	0	0	0	
BRA	BRA	9	143	12	7	10	35	36	15	13	15	...	403	
	CAP	0	0	0	0	0	0	0	0	0	0	0		
	ELS	0	0	0	0	0	0	0	0	0	0	0		
	GUT	0	1	0	0	0	0	0	0	1	0	0		
	HON	0	0	0	0	0	0	0	0	0	0	0		
	NIC	0	0	0	0	0	0	0	0	0	0	0		
	PAN	0	0	0	0	0	0	0	0	0	0	0		
CAR	CAR	0	2	0	0	1	0	1	0	0	0	0		403
	LAC	0	411	8	0	0	0	0	0	0	0	0		
	DOR	0	2	0	0	0	0	0	0	1	0	1		
	FGU	0	0	0	0	0	0	0	0	0	0	0		
	GUA	0	0	0	0	0	0	0	0	0	0	0		
	HAI	0	0	0	0	0	0	0	0	0	0	0		
	MAR	0	0	0	0	0	0	0	0	0	0	0		
	PUR	0	0	0	0	0	0	0	0	0	0	0		
MEX	MEX	0	134	16	17	39	44	19	0	...	...	...
NOA	CAN	0	0	0	0	0	0	0	0	0	0	0		
	USA	0	0	0	0	0	0	0	0	0	0	0		
SOC	ARG	0	24	1	3	2	3	9	4	2	0	0		
	CHI	0	1	0	0	0	0	0	0	0	0	1		
	PAR	0	0	0	0	0	0	0	0	0	0	0		
	URU	0	0	0	0	0	0	0	0	0	0	0		
Total		9	729	37	27	53	85	68	19	17	17	2	405	

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

Table No. 3

Measles Surveillance Indicators for the Period between Weeks 01-24, 2003

Region	Country	% Sites Reporting Weekly	% Cases Timely Home Visit	% Cases Adequate Sample	% Lab Result Received <=5 days	% Lab Result <=4 days	% Cases Discarded by Lab	Number of Active Municipalities
AND	BOL	...	100	97	87	80	62	0
	COL	87	46	94	68	83	98	0
	ECU	89	38	99	89	94	99	0
	PER	99	100	100	59	97	100	0
	VEN	80	97	97	57	69	98	0
BRA	BRA	91	81	80	64	79	99	0
	CAP	...	...	...	...	...	...	0
	ELS	74	56	92	72	92	96	0
	GUT	24	99	100	65	99	99	0
	HON	93	96	100	74	97	100	0
	NIC	100	94	100	86	88	100	0
	PAN	84	76	96	59	100	100	0
CAR	CAR	100	99	92	18	99	94	0
	LAC	96	100	100	...	...	74	0
	DOR	92	100	98	46	94	100	0
	FGU	...	...	...	...	...	100	0
	GUA	...	...	...	...	...	...	0
	HAI	...	100	100	100	100	100	0
	MAR	...	...	...	...	...	...	0
	PUR	...	...	...	...	...	...	0
MEX	MEX	95	98	97	80	44	100	1*
NOA	CAN	...	...	...	...	...	...	...
	USA	...	...	...	...	...	...	...
SOC	ARG	98	26	82	74	83	99	0
	CHI	98	69	89	83	100	97	0
	PAR	88	63	100	86	100	100	0
	URU	39	...	...	...	...	...	0
Total and Average		91	81	85	61	75	97	1

... No report received during 2003

* Mexico, DF

Issues of Measles Surveillance Bulletin can be accessed at:
<http://www.paho.org/english/ad/fch/im/measles.htm>