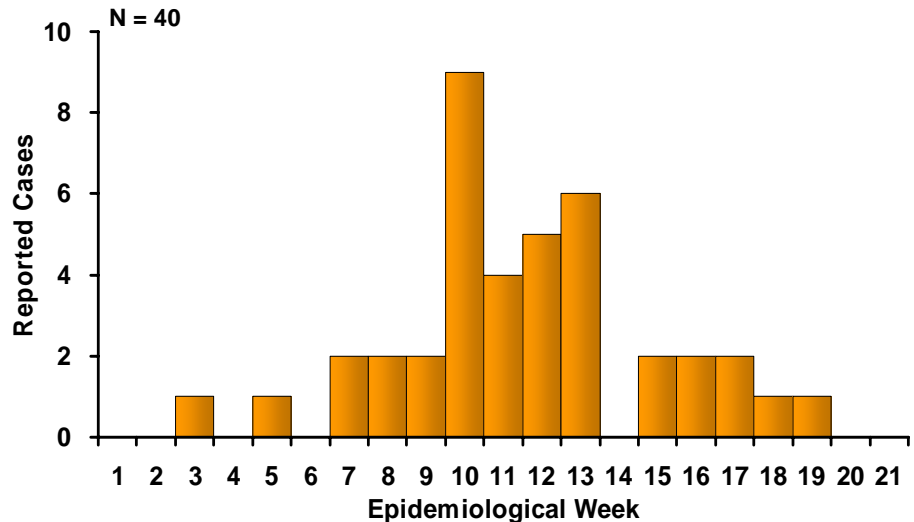




This week's graph shows the epidemic curve of a measles outbreak that occurred in Grosseto, Italy. The index case was a 23-year old woman who fell ill upon returning from India. She was hospitalized on 20 January with the initial diagnosis of drug reaction. The second case was a nursing student who developed measles 14 days later. Of the 40 reported cases, 12 were thought to have acquired infection nosocomially. This outbreak resulted in 14 hospitalizations, but no deaths. Measles virus of genotype D4 was detected in seven patients. D4 genotype is circulating in India. This outbreak highlights the risk of importations and measles transmission in hospital and health-care settings, similar to what has occurred in the 2006 Venezuela outbreak.

**Measles Outbreak in Grosseto, Central Italy, 2006 \***



\* Cases reported until 5 May 2006 (Epidemiological Week 19).

Source: Eurosurveillance, August 3, 2006, vol. 11, no. 8  
(<http://www.eurosurveillance.org/ew/2006/060803.asp#4>)

**Table No.1**  
**Classification of Suspected Measles, Rubella, and Congenital Rubella Syndrome (CRS) Cases for the Period Between Weeks 01-31, 2006**

Subregion and Country	Suspect Cases 2006	Measles Confirmed 2006			Year/Week Last Confr. Measles Case	Rubella Confirmed 2006			Year/Week Last Confr. Rubella Case	Diagnosis of Discarded Cases 2006		Congenital Rubella Syndrome		CRI *	
		Clinic.	Lab.	Total		Clinic.	Lab.	Total		Dengue	Other	Suspect	Conf.		
AND	BOL	117	0	0	0	00/40	0	3	3	06/27	1	108	...	...	2
	COL	1003	0	0	0	02/39	1	1	2	05/48	34	948	118	0	
	ECU	282	0	0	0	01/14	0	0	0	04/45	30	250	3	0	
	PER	1170	0	0	0	00/13	22	311	333	06/27	0	606	60	1	
	VEN	934	0	74	74	06/24	0	90	90	06/27	97	676	...	...	
BRA	BRA	7712	0	0	0	05/29	13	43	56	06/30	0	6996	57	0	
CAP	COR	17	0	0	0	05/22	0	0	0	01/42	0	14	0	0	
	ELS	56	0	0	0	01/19	0	0	0	03/31	2	54	...	...	
	GUT	386	0	0	0	98/05	0	3	3	06/12	7	371	0	0	
	HON	73	0	0	0	97/29	0	0	0	04/11	2	71	11	0	
	NIC	97	0	0	0	94/14	0	0	0	04/19	2	95	0	0	
	PAN	129	0	0	0	95/49	0	0	0	02/48	1	124	0	0	
CAR	CAR	118	0	0	0	98/23	0	0	0	01/27	6	72	1	0	
LAC	CUB	799	0	0	0	93/27	0	0	0	04/11	0	587	0	0	
	DOR	178	0	0	0	01/23	0	4	4	05/37	0	89	...	...	
	FGU	66	0	0	0	...	...	...	...	...	0	66	...	...	
	GUA	...	...	...	...	...	...	...	...	...	...	...	...	...	
	HAI	58	0	0	0	01/39	0	0	0	04/25	0	44	9	0	
	MAR	...	...	...	...	...	...	...	...	...	...	...	...	...	
	PUR	...	...	...	...	...	...	...	...	...	...	...	...	...	
MEX	MEX	2537	0	22	22	06/07	0	27	27	06/24	0	2267	0	0	
NOA	CAN	...	0	11	11	06/29	...	...	...	05/25	...	...	...	...	
	USA	...	0	25	25	06/24	0	4	4	06/23	...	...	...	1	
SOC	ARG	200	0	0	0	00/11	0	0	0	04/50	0	185	...	...	
	CHI	176	0	0	0	03/19	0	0	0	05/21	0	164	133	0	
	PAR	372	0	0	0	98/44	0	0	0	05/21	17	354	1	0	
	URU	2	0	0	0	99/08	0	0	0	01/37	0	0	0	0	
TOTAL		16482	0	132	132	-	36	486	522	-	199	14141	393	2	2

... No report received

\* Congenital Rubella Infection



# Measles / Rubella Surveillance

**Table No.2**  
Infection Source of Measles and Rubella Confirmed  
Cases for the Period Between Weeks 01-31, 2006

Subregion and Country		Measles			Rubella			
		I	IR	U	I	IR	U	IN
AND	BOL							
	COL							
	ECU							
	PER							
	VEN	1	41	32				
BRA	BRA							
	CAP							
	COR							
	ELS							4
	GUT							
CAR	HON							
	NIC							
	PAN							
	LAC							
	CUB							
MEX	DOR							
	FGU							
	GUA							
	HAI							
	MAR							
NOA	PUR							
	MEX	22						
	CAN	2		5				
SOC	USA	3	7	10				
	ARG							
	CHI							
	PAR							
TOTAL	28	48	47				4	

**Table No.3**  
Measles/Rubella Suspected Cases Under Investigation  
for the Period Between Weeks 01-31, 2006

Country	Pending Cases 2005	Cumulative 2006	Week of Rash Onset							Unkn.
			1-26	27	28	29	30	31		
BOL	0	5	5	0	0	0	...	...		
COL	17	19	10	0	2	0	0	3	4	
ECU	0	2	0	0	0	0	0	2		
PER	38	231	228	3	...	...	...	...		
VEN	0	0	0	0	0	0	0	...		
BRA	0	660	337	81	88	100	54	...		
COR	0	3	3	...	...	...	...	...		
ELS	0	0	0	...	...	...	...	...		
GUT	0	5	5	0	0	0	0	0		
HON	0	0	0	0	0	0	0	0		
NIC	0	0	0	0	0	0	0	0		
PAN	0	4	2	2	0	0	0	0		
CAR	1	40	26	4	5	2	3	0		
LAC	CUB	62	212	0	11	40	22	139	...	
DOR	0	85	68	10	5	0	0	0	2	
FGU	0	0	0	...	...	...	...	...		
GUA	...	...	...	...	...	...	...	...		
HAI	0	14	11	0	0	2	0	0	1	
MAR	...	...	...	...	...	...	...	...		
PUR	...	...	...	...	...	...	...	...		
MEX	0	221	149	28	16	20	8	...		
CAN	...	...	...	...	...	...	...	...		
USA	...	...	...	...	...	...	...	...		
ARG	0	15	7	2	2	1	1	...	2	
CHI	0	12	1	0	2	5	0	4		
PAR	0	1	0	0	0	1	0	0		
URU	0	2	2	0	0	0	0	0		
TOTAL	118	1531	854	141	160	153	205	9	9	

I: Imported – IR: Import-related – U: Unknown – IN: Indigenous

... No report received

**Table No.4**  
Indicators of Integrated Measles/Rubella Surveillance for the Period Between Weeks 01-31, 2006

Sub-region and Country		% Sites Reporting Weekly	% Cases with Adequate Investigation	% Cases with Adequate Sample	% Lab Received ≤5 days	% Lab Result ≤4 days	% Cases Discarded by Lab	Chains of Transmission With Representative Samples for Viral Isolation	
								Measles	Rubella
AND	BOL	74	97	98	79	84	100		
	COL	91	52	94	77	82	97		
	ECU	70	60	99	87	85	99		
	PER	100	89	95	80	53	95		
	VEN	72	86	97	67	77	98	2	
BRA	BRA	92	73 <sup>a</sup>	76	43	87	98		
	CAP	COR	82	85	100	78	100	100	
	ELS	92	54	96	95	89	100		
	GUT	49	92	98	76	94	98		
	HON	94	93	100	78	93	97		
CAR	NIC	100	90	100	53	97	99		
	PAN	94	80	99	66	95	99		
	LAC	CAR	99	77	95	38	93	99	
	CUB	96	86 <sup>a</sup>	100	30	100	74		
	DOR	84	67	97	65	74	99		
MEX	FGU	...	...	...	...	...	...		
	GUA	...	...	...	...	...	...		
	HAI	70	96	93	26	35	91		
	MAR	...	...	...	...	...	...		
	PUR	...	...	...	...	...	...		
NOA	MEX	93	99 <sup>a</sup>	98	96	72	99	4	
	CAN	...	...	...	...	...	...		
	USA	...	...	...	...	...	...		
SOC	ARG	75	11	91	72	83	99		
	CHI	93	24	91	77	89	98		
	PAR	91	75	99	84	100	100		
	URU	57	0	100	...	...	...		
Total and Average	88	78	87	61	82	97	6		

... No report received

<sup>a</sup> Also includes information on active case-searches

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