



Are we successful in vaccinating measles/rubella susceptibles in follow-up campaigns?

To eliminate diseases or sustain their elimination, it is essential to obtain coverage >95% during vaccination campaigns and in the routine program. Therefore, vaccination analysis by cohort are very useful to assess the protection in the population against measles and rubella. In the example presented, the cohort of children aged 6-10 years is not sufficiently protected because it was not routinely vaccinated and the follow-up campaign did not capture 100% of the target population.

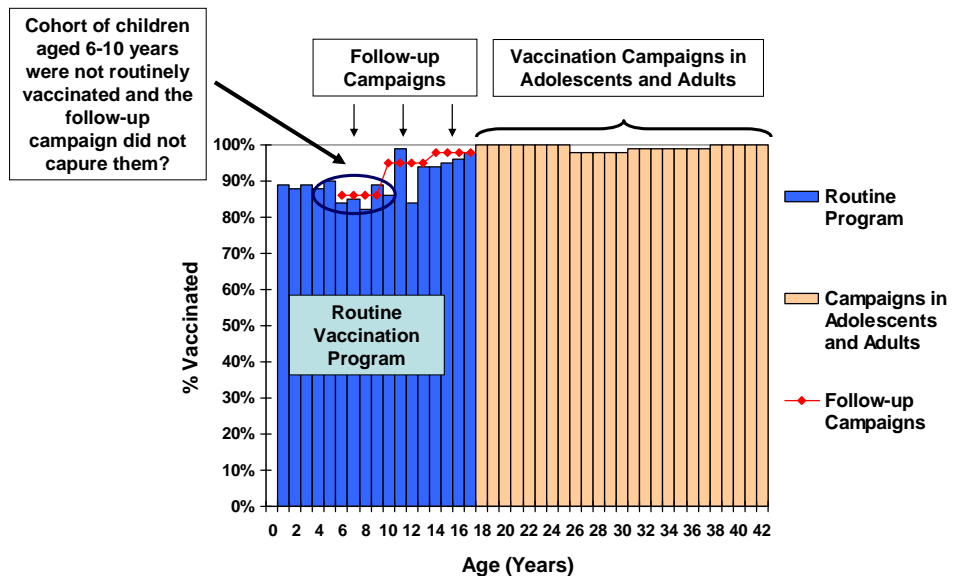


Table No.1

Classification of Suspected Measles, Rubella, and Congenital Rubella Syndrome (CRS) Cases for the Period of Weeks 01-46, 2007

Subregion and Country	Suspect Cases 2007	Measles Confirmed 2007			Year/Week Last Confir. Measles Case	Rubella Confirmed 2007			Year/Week Last Confir. Rubella Case	Diagnosis of Discarded Cases 2007		Congenital Rubella Syndrome		CRI *	
		Clinic.	Lab.	Total		Clinic.	Lab.	Total		Dengue	Other	Suspect	Conf.		
AND	BOL	93	0	0	0	00/40	0	0	0	06/03	4	81	1
	COL	1233	0	0	0	02/39	1	0	1	06/18	33	1191	48	0	
	ECU	407	0	0	0	01/14	0	0	0	04/45	31	372	0	0	
	PER	2039	0	0	0	00/13	0	0	0	06/45	0	1357	500	0	
	VEN	1260	0	23	23	07/06	0	48	48	07/34	255	924	...	...
BRA	BRA	27816	0	0	0	06/48	225	5215	5440	07/45	33	18964	4	3	1
	CAP														
CAR LAC	COR	51	0	0	0	05/22	0	0	0	01/42	0	0	...	...
	ELS	94	0	0	0	01/19	0	0	0	06/43	15	79	...	...
	GUT	401	0	0	0	98/05	0	0	0	06/30	1	385	0	0	
	HON	211	0	0	0	97/29	0	0	0	04/11	74	130	18	0	
	NIC	132	0	0	0	94/14	0	0	0	04/19	0	132	0	0	
	PAN	135	0	0	0	95/49	0	0	0	02/48	4	126	1	0	
	CAR	367	0	0	0	98/23	0	0	0	01/27	12	309	0	0	
	LAC	CUB	569	0	0	0	93/27	0	0	0	04/06	0	520	0	0
	DOR	135	0	0	0	01/23	0	0	0	06/44	2	40	...	...
	FGU	13	0	0	0	...	0	0	0	...	0	13	...	...
MEX	GUA	...	...	...	...	...	...	...	...	...	...	...	...	...
	HAI	31	0	0	0	01/39	0	0	0	06/47	0	29	6	0	
	MAR	...	...	...	...	...	...	...	...	...	...	...	...	...
	PUR	...	...	...	...	...	...	...	...	...	...	...	...	...
	MEX	3617	0	0	0	06/49	1	62	63	07/37	0	3190	0	0	
NOA	CAN	...	0	101	101	07/40	0	1	1	07/15	...	...	...	...
	USA	...	0	30	30	07/39	0	11	11	07/36	...	...	0	0
SOC	ARG	136	0	0	0	00/11	0	18 ^a	18	07/42	0	124	0	0	
	CHI	...	0	0	0	03/19	2553	775	3328	07/45	0	430	203	0	
	PAR	342	0	0	0	98/44	0	0	0	05/21	9	333	2	0	
URU	17	0	0	0	99/08	0	0	0	01/37	0	1	0	0		
TOTAL	39099	0	154	154	-	-	2780	6136	8910	-	473	28730	782	3	2

... No report received; * Congenital Rubella Infection; (a) **Laboratory-confirmed cases** include cases epidemiologically linked to a case with laboratory positive results. For definitions visit : http://www.paho.org/english/ad/fch/im/fieldguide_measles.pdf (pp.31).



Measles / Rubella Surveillance

Table No.2
Infection Source of Measles and Rubella Confirmed
Cases for the Period of Weeks 01-46, 2007

Subregion and Country		Measles			Rubella			
		I	IR	U	I	IR	U	IN
AND	BOL							
	COL							
	ECU							
	PER							
	VEN		23					48
BRA	BRA							5440
	CAP							
	COR							
	ELS							
	GUT							
CAR	HON							
	NIC							
	PAN							
	LAC							
	CUB							
MEX	DOR							
	FGU							
	GUA							
	HAI							
	MAR							
NOA	PUR							
	MEX						63	
	CAN	5	1	95	1			
	USA	8	4					
	SOC	ARG						
CHI						2795		
PAR								
URU								
TOTAL		13	28	95	1	2795	63	5488

Table No.3
Measles/Rubella Suspected Cases Under Investigation
for the Period of Weeks 01-46, 2007

Country	Pending Cases 2006	Cumulative 2007	Week of Rash Onset							Unkn.
			1-41	42	43	44	45	46		
BOL	0	8	7	0	1	0	0	...		
COL	0	8	5	2	0	0	...	...	1
ECU	0	4	0	1	0	1	1	0	1	
PER	0	682	649	7	10	7	8	...	1	
VEN	0	10	0	0	0	...	...	...
BRA	0	3379	1990	305	469	339	276	...		
COR	0	51	49	0	0	0	0	...	2	
ELS	0	0	0	0	0	0	0	...		
GUT	0	15	1	2	2	4	3	3		
HON	0	7	1	0	1	2	2	1		
NIC	0	0	0	0	0	0	...	...
PAN	0	5	5	0	0	0	0	0		
CAR	0	46	46	0	...	...	...	...
CUB	0	49	0	0	0	0	49	...		
DOR	0	93	93	0	0	0	0	...		
FGU	0	0	0	0	0	...	...	...
GUA	...	...	...	...	...	...	...	...
HAI	0	2	0	1	1	0	0	...		
MAR	...	...	...	...	...	...	...	...
PUR	...	0	0	0	0	0	0	0		
MEX	0	364	280	22	28	16	14	5		
CAN	...	...	...	...	...	...	...	...
USA	...	...	...	...	...	...	...	...
ARG	0	12	6	2	0	0	1	...	3	
CHI	0	712	657	14	15	10	13	2	1	
PAR	0	0	0	0	0	0	0	0		
URU	0	16	13	1	0	1	0	...	1	
TOTAL	0	5463	3812	357	527	380	367	11	10	

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 01-46, 2007

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	78	99	100	71	72	100			
	COL	88	69	97	79	88	98			
	ECU	66	57	98	87	78	98			
	PER	100	95	98	92	7	97			
	VEN	76	84	98	67	74	99			
BRA	BRA	89	52 ^a	63	44	90	97			
	CAP	COR	...	57	88	86	88	...		
		ELS	81	37	100	90	94	97		
		GUT	...	30	32	77	93	33		
		HON	94	95	95	83	93	99		
75		NIC	100	75	99	77	89	100		
CAR	PAN	91	77	98	65	94	99			
	LAC	CAR	99	72	95	27	96	98		
		CUB	96	100 ^a	100	94	100	91		
		DOR	82	64	99	54	67	100		
		FGU		
GUA		...	...	...	...	...	...
MEX	HAI	82	97	100	29	35	93			
	MAR	...	...	...	...	...	...
	PUR	...	...	...	...	...	...
	MEX	93	99	97	85	82	98			
	NOA	CAN	2		
USA		...	...	...	...	...	...
SOC		ARG	88	20	91	78	84	99		
		CHI	98	25	52	79	98	98		1
		PAR	90	55	100	87	100	99		
	URU	56	...	69	93	86	...			
	Total and Average	90	58	71	57	85	97	2	1	

... No report received; (a) Also includes information on active case-searches.