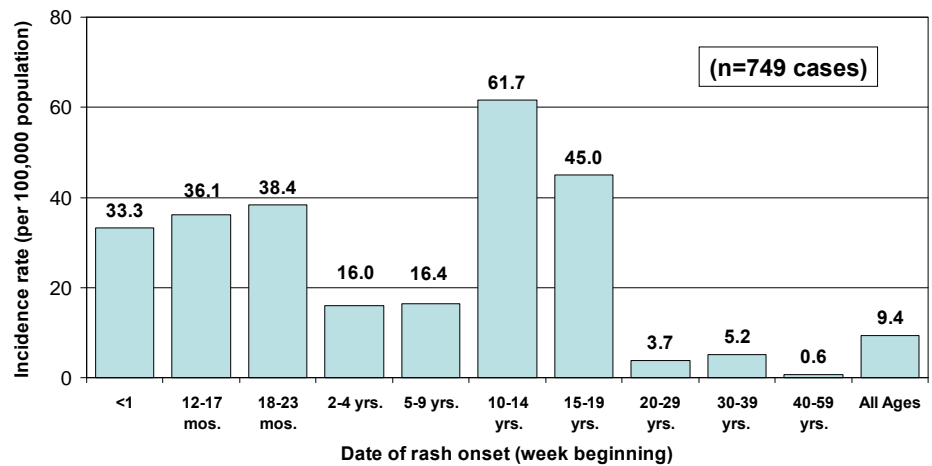




Health authorities in Quebec launched a province-wide school-based vaccination campaign, which is expected to finish in January 2012. Through this effort, Quebec hopes to decrease the number of susceptibles as much as possible. Especially among the age groups between 10 and 19 years, which have been the hardest hit by this outbreak.

A measles outbreak, caused by an importation from France (genotype D4), continues to affect Quebec since April 2011. As of 2 November of the current year, this importation has generated 749 confirmed cases.

Incidence rate of confirmed measles cases by age group (per 100,000). Quebec, Canada, 2011*



*Data from 3 April to 2 November 2011.
Source: Public Health Agency of Canada

Table.1
Classification of Suspect Measles, Rubella, and Congenital Rubella Syndrome (CRS) Cases for the Period of Weeks 01-44, 2011

Subregion and Country	Susp. Cases 2011	Measles Confirmed 2011			Year/Week Last Conf. Measles case	Rubella Confirmed 2011			Year/Week Last Conf. Rubella Case	Diagnosis of Discarded Cases 2011		Congenital Rubella Syndrome			Year/Week Last Conf. CRS Case	
		Clin.	Lab.	Total		Clin.	Lab.	Total		Dengue	Others	Susp.	Conf.	CRS*		
AND	BOL	144	0	0	2000/40	0	0	0	2006/03	2	139	...	...	...	...
	COL	2296	0	7	2011/37	0	0	0	2009/18	3	2164	236	0	...	2005/34	
	ECU	605	0	116	2011/43	0	0	0	2004/45	51	378	0	0	0	...	
	PER	515	0	0	2008/18	0	0	0	2006/45	2	479	0	0	0	2007/16	
	VEN	489	0	0	2007/07	0	0	0	2007/51	61	389	0	0	0	...	
BRA	BRA	6241	0	20	2011/22	0	0	0	2009/41	0	5488	40	0	0	2009/34	
CAP	COR	20	0	0	2005/22	0	0	0	2001/42	0	5	0	0	0	...	
	ELS	288	0	0	2001/19	0	0	0	2006/30	4	284	46	0	0	2001/xx	
	GUT	200	0	0	1998/05	0	0	0	2006/30	12	162	0	0	0	2005/00	
	HON	67	0	0	1997/29	0	0	0	2004/11	4	54	30	0	0	2002/00	
	NIC	165	0	0	1994/14	0	0	0	2004/19	0	157	0	0	0	...	
	PAN	242	0	4	2011/20	0	0	0	2002/48	25	196	0	0	0	...	
CAR	CAR	334	0	0	2008/21	0	0	0	2008/18	0	0	0	0	0	1999/xx	
LAC	CUB	946	0	0	1993/27	0	0	0	2004/06	0	946	0	0	0	...	
	DOR	96	1	1	2011/18	0	0	0	2006/44	0	75	0	0	0	...	
	FGU	20	0	5	2011/26	...	...	...	2010/06	0	12	...	...	...	...
	GUA	21	0	13	2011/28	0	0	0	...	0	8	...	...	...	2005/00
	HAI	36	0	0	2001/39	0	0	0	2006/47	0	5	0	0	0	...	
	MAR	10	...	3	2011/27	...	...	...	...	0	7	...	...	...	...
	PUR	...	...	...	...	...	...	...	...	...	...	...	...	...	...
MEX	MEX	5780	0	3	2011/12	0	0	0	2008/20	0	4698	0	0	0	...	
NOA	CAN	...	73	715	2011/40	0	1	1	2011/25	...	...	1	1 ^b	...	...
	USA	...	0	220	2011/38	0	4	4	2011/18	...	...	0	0	0	...
SOC	ARG	255	0	3	2011/12	0	1	1	2011/20	0	29	46	0	0	2009/27	
	CHI	430	0	6	2011/25	0	1	1	2011/25	0	399	91	0	0	...	
	PAR	429	0	0	1998/44	0	0	0	2005/21	5	423	0	0	0	2005/00	
	URU	13	0	0	199/08	0	0	0	2001/37	0	10	0	0	0	...	
TOTAL		19642	74	1116	1190	--	0	7	7	--	169	16507	490	1	0	--

... No report received; * Congenital Rubella Infection; (a) Provisional data; (b) imported;

(c) Five cases have been notified in the island of Saint Martin (1 import and 4 import-related), For the surveillance of vaccine-preventable diseases, Saint Martin reports cases to Guadeloupe's Regional Agency of Health.



Measles / Rubella Surveillance

Table No.2
Infection Source of Measles and Rubella Confirmed Cases for the Period of Weeks 01-44, 2011

Subregion and Country		Measles				Rubella			
		I	IR	CAC	U	I	IR	CAC	U
AND	BOL								
	COL	1	6						
	ECU	1	115						
	PER								
	VEN								
BRA	BRA	7	10		3				
	CAP								
	COR								
	ELS								
	GUT								
CAR	HON								
	NIC								
	PAN	4							
	CAR								
	LAC								
MEX	CUB								
	DOR	1			1				
	FGU	2	3						
	GUA	7	5		1				
	HAI								
NOA	MAR	2			1				
	PUR								
	MEX	3							
	CAN	17	25		746				1
	USA	104	89		27	2	1		1
SOC	ARG	1	2						
	CHI	3	3			1	1		
	PAR								
	URU								
	TOTAL	153	258		779	3	2		2

Table No.3
Measles/Rubella Suspect Cases Under Investigation for the Period of Weeks 01-44, 2011

Country	Pending Cases 2010	Cumulative 2011	Week of Onset							% Pend.Cases
			1-39	40	41	42	43	44		
BOL	0	3	3	...	...	...	...	...	...	2
COL	3	122	90	17	7	7	1	0	0	5
ECU	0	49	49	0	0	0	0	0	0	8
PER	0	34	34	...	...	...	...	...	...	7
VEN	0	39	36	1	1	0	1	0	0	8
BRA	17	733	557	56	52	47	21	...	...	12
COR	0	15	14	1	0	0	0	0	0	75
ELS	0	0	0	0	0	0	0	0	0	0
GUT	0	26	26	0	0	0	0	0	0	13
HON	0	0	0	0	0	0	0	0	0	0
NIC	0	8	8	0	0	0	0	0	0	5
PAN	0	17	13	1	1	1	1	0	0	7
CAR	0	334	325	7	2	0	0	0	0	100
CUB	0	0	0	0	0	0	0	0	0	0
DOR	4	19	19	0	0	0	0	0	0	20
FGU	0	0	0	0	0	0	0	0	0	0
GUA	0	0	0	0	0	0	0	0	0	0
HAI	0	11	7	0	0	3	0	1	0	31
MAR	0	0	0	0	0	0	0	0	0	0
PUR	...	...	...	...	...	...	...	...	...	...
MEX	0	344	338	3	1	1	1	0	0	6
CAN	...	...	...	...	...	...	...	...	...	...
USA	...	...	...	...	...	...	...	...	...	...
ARG	0	177	173	2	1	1	0	0	0	69
CHI	3	24	8	0	2	6	7	1	0	6
PAR	1	0	0	0	0	0	0	0	0	0
URU	2	2	2	0	0	0	0	0	0	15
TOTAL	30	1957	1702	88	67	66	32	2	10	

I: Imported; IR: Import-related; CAC: Country-acquired case
U: Unknown.

... No report received

Table 4.
Indicators of Integrated Measles/Rubella Surveillance for the Period of Weeks 01-44, 2011

Subregion and Country		Sites Reporting Weekly		% Cases with Adequate Investigation	% Cases with Adequate Sample	% Blood Samples Received in Lab. ≤5 days	% Lab. Results ≤4 days	Rate of Suspected Cases Last 52 weeks (2010/45-2011/44)	
		Total Units	% This Week					Measles/Rubella (100,000 pop.)	CRS (10,000 lb)
AND	BOL	0	...	99	99	92	91	1.6	0.0
	COL	4827	93	73	95	91	94	5.9	2.6
	ECU ^a	1773	0	73	99	84	64	5.2	0.0
	PER	0	..	76	97	75	73	2.2	0.0
	VEN ^a	3283	0	68	96	82	56	1.9	0.0
BRA	BRA	270	75	25	...	99	...	3.1	0.1
	CAP	57	0	35	90	78	50	0.5	0.0
	ELS ^a	256	0	66	100	95	76	5.0	3.8
	GUT ^a	1506	54	95	98	98	86	1.6	0.0
	HON ^a	469	92	55	100	100	93	1.0	1.6
CAR	NIC	0	0	89	96	86	88	3.0	0.0
	PAN ^a	214	91	46	93	93	90	7.2	0.0
	CAR ^a	130	0	75	83	97	94	5.0	0.0
	LAC	150	100	100	100	100	100	0.0	0.0
	DOR	0	0	47	90	69	53	1.1	0.0
MEX	FGU	...	...	...	...	...	...	0.0	0.0
	GUA	...	...	...	...	...	...	0.0	0.0
	HAI	90	...	0	0	0	0	0.0	0.0
	MAR	...	...	...	...	...	...	0.0	0.0
	PUR	0	0	0	0	0	0	0.0	0.0
NOA	MEX	11138	...	99	0	0	0	0.0	0.0
	CAN	...	...	...	...	...	...	0.0	0.0
	USA	...	...	...	...	...	...	0.0	0.0
SOC	ARG ^a	779	0	8	66	69	40	0.6	0.7
	CHI	569	99	19	81	81	98	2.9	0.0
	PAR ^a	622	0	51	100	88	83	6.8	0.0
	URU ^a	155	0	8	15	50	0	0.4	0.0
Total and Average		26757	81	64	94	93	84	3.3	0.5

... No report received

(a) Countries using ISIS