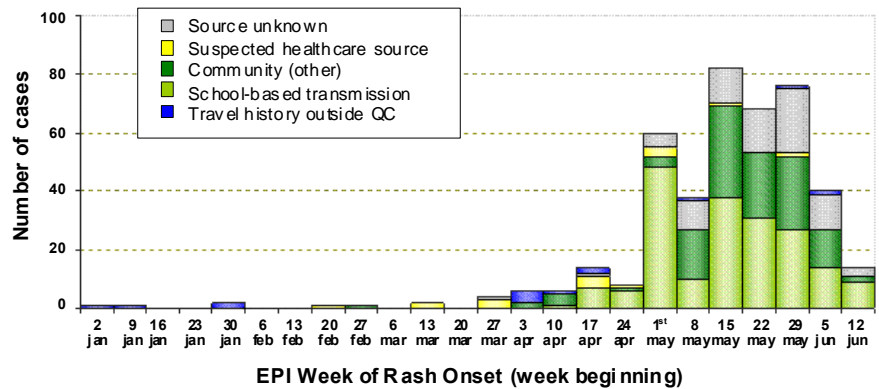




"As of June 17, 2011, 380 cases of measles have been confirmed in the province of Quebec, Canada, since the beginning of the year 2011. Of the 380 cases, it is estimated that 78% (n=295 cases) were not immune (they either received 0 doses of measles-containing vaccine, had no proof of immunization, were not eligible for immunization or the information was unknown). As part of the PAHO recommended strategies to maintain measles and rubella elimination, countries are encouraged to provide a second opportunity for the measles-rubella containing vaccine (MR) through the implementation of high quality follow up campaigns to monitor and reduce the accumulation of susceptibles, and in prevention of importations and secondary cases associated with imported cases".

The distribution of measles cases, by date of rash onset and exposure source Quebec, Canada, 2011*



* Data as of 15 June 2011 (12:00pm).

Source: Bureau de surveillance et de vigilie et Unité de maladies infectieuses, Quebec(QC), Canada

Table.1
Classification of Suspect Measles, Rubella, and Congenital Rubella Syndrome (CRS) Cases for the Period of Weeks 01-24, 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 | 62 | 0 | 0 | 0 | 00/40 | 0 | 0 | 0 | 06/03 | 2 | 56 | ... | ... | ... | ... |
| | COL | 621 | 0 | 0 | 0 | 02/39 | 0 | 0 | 0 | 09/18 | 0 | 564 | 112 | 0 | ... | 2005/34 |
| | ECU | 194 | 0 | 0 | 0 | 08/21 | 0 | 0 | 0 | 04/45 | 14 | 160 | 0 | 0 | ... | ... |
| | PER | 283 | 0 | 0 | 0 | 08/18 | 0 | 0 | 0 | 06/45 | 0 | 253 | ... | ... | ... | 2007/16 |
| | VEN | 25 | 0 | 0 | 0 | 07/07 | 0 | 0 | 0 | 10/03 | 5 | 11 | 0 | 0 | 0 | ... |
| BRA | BRA | 3039 | 0 | 13 | 13 | 11/22 | 0 | 0 | 0 | 09/41 | 0 | 2483 | 0 | 0 | ... | 2009/34 |
| CAP | COR | 0 | 0 | 0 | 0 | 05/22 | 0 | 0 | 0 | 01/42 | 0 | 0 | 0 | 0 | 0 | ... |
| | ELS | 188 | 0 | 0 | 0 | 01/19 | 0 | 0 | 0 | 06/30 | 4 | 184 | 46 | 0 | 0 | 2001/xx |
| | GUT | 113 | 0 | 0 | 0 | 98/05 | 0 | 0 | 0 | 06/30 | 2 | 82 | 1 | 0 | 0 | 2005/00 |
| | HON | 31 | 0 | 0 | 0 | 97/29 | 0 | 0 | 0 | 04/11 | 2 | 26 | 14 | 0 | 0 | ... |
| | NIC | 48 | 0 | 0 | 0 | 94/14 | 0 | 0 | 0 | 04/19 | 0 | 48 | ... | ... | ... | ... |
| CAR | PAN | 137 | 0 | 4 | 4 | 11/20 | 0 | 0 | 0 | 02/48 | 2 | 102 | 0 | 0 | 0 | 1999/xx |
| LAC | CAR | 179 | 0 | 0 | 0 | 08/21 | 0 | 0 | 0 | 08/18 | 0 | 0 | 0 | 0 | 0 | ... |
| | CUB | 529 | 0 | 0 | 0 | 93/27 | 0 | 0 | 0 | 04/06 | 0 | 529 | 0 | 0 | ... | ... |
| | DOR | 63 | 0 | 1 | 1 | 11/18 | 0 | 0 | 0 | 06/44 | 0 | 58 | 0 | 0 | ... | ... |
| | FGU | 10 | 0 | 0 | 0 | 10/15 | 0 | 0 | 0 | 10/06 | 3 | 7 | ... | ... | ... | ... |
| | GUA | ... | ... | 11 | 11 ^c | 11/18 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | HAI | ... | 0 | 0 | 0 | 01/39 | 0 | 0 | 0 | 06/47 | ... | ... | ... | ... | ... | ... |
| | MAR | ... | ... | 2 | 2 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | PUR | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| MEX | MEX | 1275 | 0 | 0 | 0 | 06/49 | 0 | 0 | 0 | 08/20 | 0 | 1124 | ... | ... | ... | ... |
| NOA | CAN | ... | ... | 400 | 400 ^a | 11/23 | 0 | 0 | 0 | 10/17 | ... | ... | 1 | 1 ^b | ... | ... |
| | USA | ... | ... | 156 | 156 ^a | 11/23 | 0 | 3 | 3 | 11/18 | ... | ... | 0 | 0 | ... | ... |
| SOC | ARG | 5 | ... | 3 | 3 | 11/11 | ... | 3 | 3 | 11/05 | ... | ... | 0 | 0 | 0 | ... |
| | CHI | 257 | 0 | 5 | 5 | 11/16 | 0 | 0 | 0 | 08/30 | 0 | 191 | 23 | 0 | ... | ... |
| | PAR | 276 | 0 | 0 | 0 | 98/44 | 0 | 0 | 0 | 05/21 | 8 | 268 | 0 | 0 | 0 | ... |
| | URU | 0 | 0 | 0 | 0 | 99/08 | 0 | 0 | 0 | 01/37 | 0 | 0 | 0 | 0 | 0 | ... |
| TOTAL | | 7335 | 0 | 595 | 595 | -- | 0 | 6 | 6 | -- | 42 | 6146 | 197 | 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 01-24, 2011

| Subregion and Country | | Measles | | | | Rubella | | | |
|-----------------------|-----|------------|------------|-----|------------|----------|----------|-----|----------|
| | | I | IR | CAC | U | I | IR | CAC | U |
| AND | BOL | | | | | | | | |
| | COL | | | | | | | | |
| | ECU | | | | | | | | |
| | PER | | | | | | | | |
| | VEN | | | | | | | | |
| BRA CAP | BRA | 7 | 3 | | 3 | | | | |
| | COR | | | | | | | | |
| | ELS | | | | | | | | |
| | GUT | | | | | | | | |
| | HON | | | | | | | | |
| CAR LAC | NIC | 4 | | | | | | | |
| | PAN | | | | | | | | |
| | CAR | | | | | | | | |
| | CUB | | | | | | | | |
| | DOR | 1 | | | | | | | |
| MEX NOA | FGU | | | | | | | | |
| | GUA | 3 | 8 | | | | | | |
| | HAI | | | | | | | | |
| | MAR | 2 | | | | | | | |
| | PUR | | | | | | | | |
| SOC | MEX | | | | | | | | |
| | CAN | 19 | 22 | | 359 | | | | |
| | USA | 74 | 62 | | 20 | 2 | 1 | | |
| SOC | ARG | 1 | 2 | | | | | | 3 |
| | CHI | 1 | 4 | | | | | | |
| | PAR | | | | | | | | |
| | URU | | | | | | | | |
| TOTAL | | 112 | 101 | | 382 | 2 | 1 | | 3 |

Table No.3
Measles/Rubella Suspect Cases Under Investigation for the Period of Weeks 01-24, 2011

| Country | Pending Cases 2010 | Cumulative 2011 | Week of Onset | | | | | | | % Pend.Cases |
|--------------|--------------------|-----------------|---------------|-----------|-----------|-----------|-----------|-----------|-----------|--------------|
| | | | 1-19 | 20 | 21 | 22 | 23 | 24 | | |
| BOL | 0 | 4 | 4 | 0 | ... | ... | ... | ... | 6 | |
| COL | 27 | 57 | 40 | 7 | 7 | 1 | 2 | 0 | 9 | |
| ECU | 1 | 28 | 9 | 6 | 3 | 10 | ... | ... | 14 | |
| PER | 16 | 30 | 23 | 4 | 2 | 1 | 0 | ... | 11 | |
| VEN | 2 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 36 | |
| BRA | 94 | 543 | 366 | 45 | 36 | 57 | 39 | ... | 18 | |
| COR | 0 | 0 | 0 | ... | ... | ... | ... | ... | 0 | |
| ELS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| GUT | 0 | 27 | 20 | 3 | 1 | 3 | 0 | 0 | 24 | |
| HON | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| NIC | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| PAN | 1 | 29 | 3 | 1 | 2 | 8 | 11 | 4 | 21 | |
| CAR | 0 | 179 | 154 | 3 | 9 | 7 | 6 | 0 | 100 | |
| CUB | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| DOR | 3 | 4 | 1 | 1 | 2 | 0 | 0 | 0 | 6 | |
| FGU | 0 | 0 | 0 | 0 | ... | ... | ... | ... | 0 | |
| GUA | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| HAI | 21 | ... | ... | ... | ... | ... | ... | ... | ... | |
| MAR | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| PUR | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| MEX | 0 | 151 | 133 | 5 | 5 | 5 | 3 | 0 | 12 | |
| CAN | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| USA | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| ARG | 1 | 5 | 5 | ... | ... | ... | ... | ... | 100 | |
| CHI | 15 | 61 | 28 | 7 | 7 | 3 | 9 | 6 | 24 | |
| PAR | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| URU | 0 | 0 | 0 | ... | ... | ... | ... | ... | 0 | |
| TOTAL | 183 | 1127 | 795 | 82 | 74 | 95 | 70 | 10 | 15 | |

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 01-24, 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 (2010/25-2011/24) | |
|--------------------------|------------------|------------------------|-------------|-------------------------------------|------------------------------|--|------------------------|---|-----------------|
| | | Total Units | % This Week | | | | | Measles/Rubella (100,000 pop.) | CRS (10,000 lb) |
| AND | BOL | 2657 | ... | 100 | 100 | 91 | 89 | 1.2 | 0.0 |
| | COL | 4827 | ... | 74 | 91 | 94 | 95 | 4.8 | 1.2 |
| | ECU ^a | 472 | ... | 76 | 97 | 94 | 82 | 4.8 | 0.0 |
| | PER | 3703 | ... | 77 | 97 | 72 | 72 | 1.3 | 0.0 |
| | VEN ^a | 3283 | 0 | 96 | 100 | 80 | 32 | 0.6 | 0.0 |
| BRA CAP | BRA | ... | 81 | 94 | ... | 97 | ... | 4.4 | 0.0 |
| | COR ^a | 57 | ... | 0 | 0 | 0 | 0 | 0.6 | 0.0 |
| | ELS ^a | 893 | 0 | 80 | 99 | 96 | 79 | 5.1 | 3.8 |
| | GUT ^a | 1506 | 0 | 93 | 96 | 96 | 88 | 2.2 | 0.0 |
| | HON ^a | 469 | 91 | 74 | 100 | 100 | 90 | 1.1 | 0.7 |
| CAR LAC | NIC | 185 | 100 | 92 | 100 | 94 | 85 | 1.6 | 0.0 |
| | PAN ^a | 202 | 79 | 67 | 96 | 96 | 88 | 4.9 | 0.0 |
| | CAR ^a | 748 | 0 | 58 | 81 | 96 | 88 | 5.7 | 0.0 |
| | CUB | 444 | 100 | 100 | 100 | 100 | 100 | 8.6 | 0.0 |
| | DOR | 251 | ... | 48 | 90 | 71 | 55 | 1.3 | 0.0 |
| MEX NOA | FGU | ... | ... | ... | ... | ... | ... | 0.0 | ... |
| | GUA | ... | ... | ... | ... | ... | ... | ... | ... |
| | HAI | 76 | ... | ... | ... | ... | ... | 0.1 | 0.0 |
| | MAR | ... | ... | ... | ... | ... | ... | ... | ... |
| | PUR | ... | ... | ... | ... | ... | ... | ... | ... |
| SOC | MEX | ... | 37 | 98 | ... | ... | ... | 2.2 | 0.0 |
| | CAN | ... | ... | ... | ... | ... | ... | ... | ... |
| | USA | ... | ... | ... | ... | ... | ... | ... | ... |
| SOC | ARG ^a | 409 | ... | 20 | 0 | 0 | 0 | 0.0 | 0.0 |
| | CHI | 569 | 99 | 17 | 72 | 83 | 98 | 1.9 | 0.9 |
| | PAR ^a | 600 | 92 | 48 | 98 | 86 | 99 | 5.8 | 0.0 |
| | URU ^a | 155 | ... | 0 | 0 | 0 | 0 | 0.4 | 0.0 |
| Total and Average | | 21506 | 83 | 86 | 93 | 94 | 90 | 3.1 | 0.2 |

... No report received; (a) Countries using ISIS.