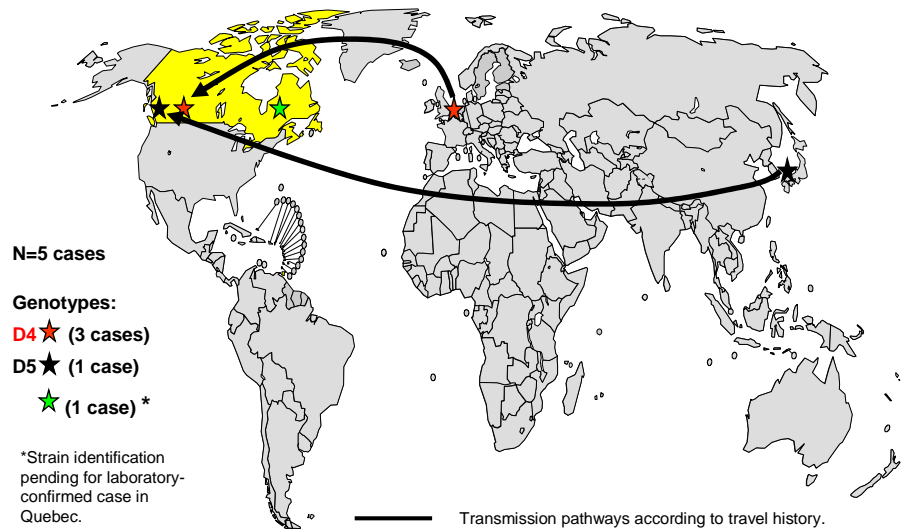




Canada has confirmed 5 measles cases in 2007. All cases had rash onset between epidemiological weeks 16 and 17, but only three cases with probable exposure in Europe are linked by time and place. Case 1, a 31-year old male reported in the province of British Columbia, traveled to Korea and Japan during the exposure period. Cases 2-4, reported in the province of Alberta, include 3-year old twins and an unrelated 29-year old woman who shared a flight between London and Calgary in early April. Case 5, a 37-year old male reported in the province of Quebec, has no history of recent travel. Measles strain identification is still pending for the last case.

Measles Importations to Canada, 2007



Source: Immunization and Respiratory Infections Division, Public Health Agency of Canada.

Table No.1
Classification of Suspected Measles, Rubella, and Congenital Rubella Syndrome (CRS) Cases for the Period of Weeks 01-18, 2007

| Subregion and Country | Suspect Cases 2007 | Measles Confirmed 2007 | | | Year/Week Last Confr. Measles Case | Rubella Confirmed 2007 | | | Year/Week Last Confr. Rubella Case | Diagnosis of Discarded Cases 2007 | | Congenital Rubella Syndrome | | CRI * | |
|-----------------------|--------------------|------------------------|------|-------|------------------------------------|------------------------|------|-------|------------------------------------|-----------------------------------|-------|-----------------------------|-------|-------|--|
| | | Clinic. | Lab. | Total | | Clinic. | Lab. | Total | | Dengue | Other | Suspect | Conf. | | |
| AND | BOL | 25 | 0 | 0 | 0 | 00/40 | 0 | 0 | 0 | 06/03 | 4 | 21 | ... | ... | |
| | COL | 371 | 0 | 0 | 0 | 02/39 | 0 | 0 | 0 | 06/18 | 12 | 353 | 9 | 0 | |
| | ECU | 107 | 0 | 0 | 0 | 01/14 | 0 | 0 | 0 | 04/45 | 10 | 94 | 0 | 0 | |
| | PER | 327 | 0 | 0 | 0 | 00/13 | 0 | 1 | 1 | 06/45 | 0 | 126 | ... | ... | |
| | VEN | 449 | 0 | 23 | 23 | 07/06 | 0 | 11 | 11 | 07/18 | 115 | 299 | ... | ... | |
| BRA | BRA | 7135 | 0 | 0 | 0 | 06/48 | 9 | 537 | 546 | 07/17 | 0 | 4556 | 0 | 0 | |
| CAP | COR | 8 | 0 | 0 | 0 | 05/22 | 0 | 0 | 0 | 01/42 | 0 | 0 | ... | ... | |
| | ELS | 40 | 0 | 0 | 0 | 01/19 | 0 | 0 | 0 | 06/43 | 6 | 34 | ... | ... | |
| | GUT | 141 | 0 | 0 | 0 | 98/05 | 0 | 1 | 1 | 07/15 | 1 | 139 | 0 | 0 | |
| | HON | 35 | 0 | 0 | 0 | 97/29 | 0 | 0 | 0 | 04/11 | 8 | 26 | 9 | 0 | |
| | NIC | 63 | 0 | 0 | 0 | 94/14 | 0 | 0 | 0 | 04/19 | 0 | 63 | 0 | 0 | |
| | PAN | 41 | 0 | 0 | 0 | 95/49 | 0 | 0 | 0 | 02/48 | 2 | 39 | 1 | 0 | |
| CAR | CAR | 106 | 0 | 0 | 0 | 98/23 | 0 | 0 | 0 | 01/27 | 2 | 96 | 0 | 0 | |
| LAC | CUB | 165 | 0 | 0 | 0 | 93/27 | 0 | 0 | 0 | 04/06 | 0 | 126 | 0 | 0 | |
| | DOR | 45 | 0 | 0 | 0 | 01/23 | 0 | 0 | 0 | 06/44 | 0 | 0 | ... | ... | |
| | FGU | 7 | 0 | 0 | 0 | ... | 0 | 0 | 0 | ... | 0 | 7 | ... | ... | |
| | GUA | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| | HAI | 19 | 0 | 0 | 0 | 01/39 | 0 | 0 | 0 | 06/47 | 0 | 17 | 0 | 0 | |
| | MAR | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| | PUR | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| MEX | MEX | 999 | 0 | 0 | 0 | 06/49 | 0 | 25 | 25 | 07/15 | 0 | 664 | 0 | 0 | |
| NOA | CAN | ... | 0 | 5 | 5 | 07/17 | 0 | 0 | 0 | 06/48 | ... | ... | ... | ... | |
| | USA | ... | 0 | 6 | 6 | 07/13 | 0 | 8 | 8 | 07/17 | ... | ... | 0 | 0 | |
| SOC | ARG | 40 | 0 | 0 | 0 | 00/11 | 0 | 0 | 0 | 04/50 | 0 | 33 | 0 | 0 | |
| | CHI | 87 | 0 | 0 | 0 | 03/19 | 0 | 6 | 6 | 07/17 | 0 | 73 | 86 | 0 | |
| | PAR | 172 | 0 | 0 | 0 | 98/44 | 0 | 0 | 0 | 05/21 | 9 | 161 | 1 | 0 | |
| | URU | 6 | 0 | 0 | 0 | 99/08 | 0 | 0 | 0 | 01/37 | 0 | 1 | 0 | 0 | |
| TOTAL | | 10388 | 0 | 34 | 34 | - | 9 | 589 | 598 | - | 169 | 6928 | 106 | 0 | |

... No report received

* Congenital Rubella Infection



Measles / Rubella Surveillance

Table No.2
Infection Source of Measles and Rubella Confirmed
Cases for the Period of Weeks 01-18, 2007

| Subregion and Country | | Measles | | | Rubella | | | |
|-----------------------|-----|---------|----|---|---------|----|----|-----|
| | | I | IR | U | I | IR | U | IN |
| AND | BOL | | | | | | | |
| | COL | | | | | | | |
| | ECU | | | | | | | |
| | PER | | | | | | | |
| | VEN | | | | | | | 9 |
| BRA | BRA | | | | | | | 546 |
| | CAP | COR | | | | | | |
| | | ELS | | | | | | |
| | | GUT | | | | 1 | | |
| | | HON | | | | | | |
| CAR | NIC | | | | | | | |
| | PAN | | | | | | | |
| | LAC | CAR | | | | | | |
| | | CUB | | | | | | |
| | | DOR | | | | | | |
| MEX | FGU | | | | | | | |
| | GUA | | | | | | | |
| | HAI | | | | | | | |
| | MAR | | | | | | | |
| | PUR | | | | | | | |
| NOA | MEX | | | | | | 25 | |
| | CAN | 4 | | 1 | | | | |
| | USA | 5 | 1 | | | | | |
| SOC | ARG | | | | | | | |
| | CHI | | | | | | 6 | |
| | PAR | | | | | | | |
| | URU | | | | | | | |
| TOTAL | | 9 | 1 | 1 | 1 | | 31 | 555 |

Table No.3
Measles/Rubella Suspected Cases Under Investigation
for the Period of Weeks 01-18, 2007

| Country | Pending Cases 2006 | Cumulative 2007 | Week of Rash Onset | | | | | | | Unkn. |
|---------|--------------------|-----------------|--------------------|-----|-----|-----|-----|-----|-----|-------|
| | | | 1-13 | 14 | 15 | 16 | 17 | 18 | | |
| BOL | 0 | 0 | 0 | 0 | ... | ... | ... | ... | ... | |
| COL | 10 | 6 | 2 | 0 | 1 | 2 | 1 | 0 | 0 | |
| ECU | 0 | 3 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | |
| PER | 137 | 200 | 155 | 14 | 6 | 15 | 10 | ... | ... | |
| VEN | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| BRA | 902 | 2033 | 1562 | 125 | 113 | 120 | 113 | ... | ... | |
| COR | 0 | 8 | 8 | 0 | ... | ... | ... | ... | ... | |
| ELS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ... | ... | |
| GUT | 6 | 0 | 0 | 0 | 0 | 0 | ... | ... | ... | |
| HON | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | |
| NIC | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ... | ... | |
| PAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ... | ... | |
| CAR | 0 | 8 | 3 | 0 | 1 | 1 | 1 | 2 | 2 | 23 |
| CUB | 0 | 39 | 0 | 0 | 0 | 8 | 8 | 0 | 0 | |
| DOR | 1 | 45 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | |
| FGU | 0 | 0 | 0 | 0 | ... | ... | ... | ... | ... | |
| GUA | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| HAI | 17 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | |
| MAR | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| PUR | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| MEX | 0 | 310 | 247 | 13 | 23 | 19 | 6 | 2 | 2 | |
| CAN | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| USA | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| ARG | 3 | 7 | 5 | 1 | 1 | 0 | 0 | 0 | 0 | |
| CHI | 0 | 13 | 7 | 2 | 1 | 2 | 1 | 0 | 0 | |
| PAR | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | |
| URU | 2 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL | 1078 | 2683 | 2043 | 155 | 147 | 169 | 142 | 4 | 23 | |

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 01-18, 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 | 76 | 100 | 100 | 72 | 60 | 100 | | | |
| | COL | 90 | 73 | 94 | 83 | 91 | 97 | | | |
| | ECU | 65 | 58 | 97 | 80 | 77 | 99 | | | |
| | PER | 95 | 88 | 91 | 74 | 1 | 91 | | | |
| | VEN | 75 | 93 | 99 | 66 | 94 | 99 | | | |
| BRA | BRA | 86 | 42 ^a | 43 | 43 | 79 | 99 | | | |
| | CAP | COR | ... | 13 | 75 | 100 | 100 | ... | | |
| | | ELS | 79 | 28 | 100 | 95 | 90 | 98 | | |
| | | GUT | ... | 89 | 98 | 80 | 84 | 92 | | |
| | | HON | 92 | 97 | 100 | 71 | 91 | 100 | | |
| CAR | NIC | 100 | 73 | 98 | 73 | 98 | 100 | | | |
| | PAN | 91 | 83 | 95 | 66 | 100 | 98 | | | |
| | LAC | CAR | 99 | 81 | 92 | 14 | 96 | 98 | | |
| | | CUB | 98 | 100 ^a | 100 | 90 | 100 | 76 | | |
| | | DOR | 85 | 73 | 100 | 51 | 44 | ... | | |
| MEX | FGU | ... | ... | ... | ... | ... | ... | | | |
| | GUA | ... | ... | ... | ... | ... | ... | | | |
| | HAI | 76 | 95 | 100 | 26 | 47 | 100 | | | |
| | MAR | ... | ... | ... | ... | ... | ... | | | |
| | PUR | ... | ... | ... | ... | ... | ... | | | |
| NOA | MEX | 89 | 99 | 100 | 94 | 93 | 100 | | | |
| | CAN | ... | ... | ... | ... | ... | ... | 3 | | |
| | USA | ... | ... | ... | ... | ... | ... | | | |
| SOC | ARG | 81 | 18 | 95 | 77 | 67 | 100 | | | |
| | CHI | 100 | 19 | 90 | 71 | 98 | 99 | | | |
| | PAR | 91 | 54 | 100 | 83 | 100 | 100 | | | |
| | URU | 58 | ... | 0 | ... | ... | ... | | | |
| Total and Average | | 87 | 55 | 60 | 54 | 80 | 98 | | | |

... No report received

^a Also includes information on active case-searches.