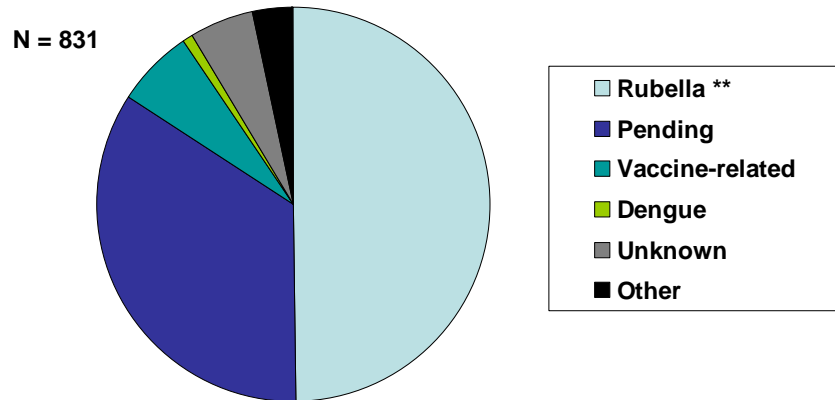




As we advance toward the elimination of rubella and congenital rubella syndrome, countries of the Americas should be aware of the possibility of cross-reactions between rubella and other virus resulting in rubella IgM-positive results. In cases where the diagnosis of rubella is not clear and for pregnant women, taking a second serum sample is recommended. This second sample should be collected 14-21 days after rash onset and at least 7 days after the first sample, and tested for both IgM and IgG in paired samples. Additionally, attempts should be made to conduct viral isolation within 7 days of rash onset, when a sample (ideally a throat swab) can be obtained.

Final Classification of Measles/Rubella Suspect Cases with a Positive Rubella IgM Result, The Americas, 2006 *



* Data as of 11 October 2006.
** Rubella cases with IgM positive from Bolivia, Colombia, Dominican Republic, El Salvador, Guatemala, Peru, and Venezuela. Cases from Brazil, Canada, Mexico, and the United States are not included.

Source: Countries reporting to MESS.

Table No.1
Classification of Suspected Measles, Rubella, and Congenital Rubella Syndrome (CRS) Cases for the Period Between Weeks 01-40, 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 | 166 | 0 | 0 | 0 | 00/40 | 0 | 2 | 2 | 06/03 | 1 | 160 | ... | ... | 2 |
| | COL | 1419 | 0 | 0 | 0 | 02/39 | 1 | 1 | 2 | 06/18 | 44 | 1326 | 122 | 0 | |
| | ECU | 348 | 0 | 0 | 0 | 01/14 | 0 | 0 | 0 | 04/45 | 31 | 309 | 3 | 0 | |
| | PER | 1170 | 0 | 0 | 0 | 00/13 | 22 | 311 | 333 | 06/27 | 0 | 606 | 60 | 1 | |
| | VEN | 1662 | 0 | 81 | 81 | 06/24 | 0 | 146 | 146 | 06/39 | 219 | 1216 | ... | ... | |
| BRA | BRA | 10739 | 0 | 0 | 0 | 05/29 | 17 | 170 | 187 | 06/39 | 0 | 9649 | 125 | 2 | |
| | CAP | COR | ... | ... | ... | ... | ... | ... | ... | 01/42 | ... | ... | ... | ... | |
| CAR | ELS | 136 | 0 | 0 | 0 | 01/19 | 0 | 9 | 9 | 06/39 | 9 | 118 | ... | ... | |
| | GUT | 430 | 0 | 0 | 0 | 98/05 | 0 | 3 | 3 | 06/30 | 8 | 415 | 0 | 0 | |
| | HON | 104 | 0 | 0 | 0 | 97/29 | 0 | 0 | 0 | 04/11 | 4 | 97 | 14 | 0 | |
| | NIC | 130 | 0 | 0 | 0 | 94/14 | 0 | 0 | 0 | 04/19 | 2 | 128 | 0 | 0 | |
| | PAN | 174 | 0 | 0 | 0 | 95/49 | 0 | 0 | 0 | 02/48 | 4 | 163 | 0 | 0 | |
| | LAC | CAR | 155 | 0 | 0 | 0 | 98/23 | 0 | 0 | 0 | 01/27 | 6 | 136 | 1 | 0 |
| | | CUB | 915 | 0 | 0 | 0 | 93/27 | 0 | 0 | 0 | 04/11 | 0 | 672 | 0 | 0 |
| | DOR | 198 | 0 | 0 | 0 | 01/23 | 0 | 10 | 10 | 05/37 | 0 | 110 | ... | ... | |
| | FGU | 70 | 0 | 0 | 0 | ... | ... | ... | ... | ... | 1 | 69 | ... | ... | |
| | GUA | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| HAI | 61 | 0 | 0 | 0 | 01/39 | 0 | 0 | 0 | 04/25 | 0 | 47 | 9 | 0 | | |
| MAR | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| PUR | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| MEX | MEX | 3296 | 0 | 22 | 22 | 06/07 | 0 | 36 | 36 | 06/37 | 0 | 2993 | 0 | 0 | |
| NOA | CAN | ... | 0 | 12 | 12 | 06/30 | 0 | 2 | 2 | 06/36 | ... | ... | ... | ... | |
| | USA | ... | 0 | 43 | 43 | 06/24 | 0 | 8 | 8 | 06/40 | ... | ... | ... | 1 | |
| SOC | ARG | 272 | 0 | 0 | 0 | 00/11 | 0 | 0 | 0 | 04/50 | 0 | 262 | ... | ... | |
| | CHI | 214 | 0 | 0 | 0 | 03/19 | 0 | 0 | 0 | 05/21 | 0 | 208 | 169 | 0 | |
| | PAR | 456 | 0 | 0 | 0 | 98/44 | 0 | 0 | 0 | 05/21 | 17 | 437 | 1 | 0 | |
| | URU | 3 | 0 | 0 | 0 | 99/08 | 0 | 0 | 0 | 01/37 | 0 | 0 | 0 | 0 | |
| TOTAL | 22118 | 0 | 158 | 158 | - | 40 | 698 | 738 | - | 346 | 19121 | 504 | 4 | 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 01-40, 2006

| Subregion and Country | | Measles | | | Rubella | | | |
|-----------------------|-----|---------|----|----|---------|----|---|----|
| | | I | IR | U | I | IR | U | IN |
| AND | BOL | | | | | | | |
| | COL | | | | | | | |
| | ECU | | | | | | | |
| | PER | | | | | | | |
| | VEN | 1 | 41 | 32 | | | | |
| BRA CAP | BRA | | | | | | | |
| | COR | | | | | | | |
| | ELS | | | | | | | 4 |
| | GUT | | | | | | | |
| | HON | | | | | | | |
| CAR LAC | NIC | | | | | | | |
| | PAN | | | | | | | |
| | CAR | | | | | | | |
| | CUB | | | | | | | |
| | DOR | | | | | | | |
| MEX NOA | FGU | | | | | | | |
| | GUA | | | | | | | |
| | HAI | | | | | | | |
| | MAR | | | | | | | |
| | PUR | | | | | | | |
| SOC | MEX | 22 | | | | | | |
| | CAN | 4 | 2 | 2 | | | | |
| | USA | 6 | 7 | 10 | | | | |
| | ARG | | | | | | | |
| | CHI | | | | | | | |
| | PAR | | | | | | | |
| | URU | | | | | | | |
| TOTAL | | 33 | 50 | 44 | | | | 4 |

Table No.3

Measles/Rubella Suspected Cases Under Investigation for the Period Between Weeks 01-40, 2006

| Country | Pending Cases 2005 | Cumulative 2006 | Week of Rash Onset | | | | | | | Unkn. |
|---------|--------------------|-----------------|--------------------|-----|-----|-----|-----|-----|---|-------|
| | | | 1-35 | 36 | 37 | 38 | 39 | 40 | | |
| BOL | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | |
| COL | 13 | 47 | 24 | 6 | 4 | 7 | 2 | 1 | | 3 |
| ECU | 0 | 8 | 0 | 1 | 2 | 0 | 4 | 1 | | |
| PER | 38 | 231 | 231 | ... | ... | ... | ... | ... | | |
| VEN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ... | | |
| BRA | 0 | 903 | 439 | 73 | 137 | 138 | 116 | ... | | |
| COR | 0 | ... | ... | ... | ... | ... | ... | ... | | |
| ELS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| GUT | 0 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | | |
| HON | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | | |
| NIC | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| PAN | 0 | 7 | 4 | 0 | 3 | 0 | 0 | 0 | | |
| CAR | 0 | 13 | 4 | 0 | 3 | 1 | 3 | 2 | | |
| CUB | 0 | 243 | 160 | 0 | 0 | 25 | 58 | ... | | |
| DOR | 0 | 78 | 76 | 0 | 0 | 0 | 0 | ... | | 2 |
| FGU | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ... | | |
| GUA | ... | ... | ... | ... | ... | ... | ... | ... | | |
| HAI | 0 | 14 | 11 | 0 | 2 | 0 | 0 | ... | | 1 |
| MAR | ... | ... | ... | ... | ... | ... | ... | ... | | |
| PUR | ... | ... | ... | ... | ... | ... | ... | ... | | |
| MEX | 0 | 245 | 155 | 16 | 26 | 16 | 21 | 11 | | |
| CAN | ... | ... | ... | ... | ... | ... | ... | ... | | |
| USA | ... | ... | ... | ... | ... | ... | ... | ... | | |
| ARG | 0 | 10 | 4 | 1 | 4 | 0 | 0 | ... | | 1 |
| CHI | 0 | 6 | 3 | 1 | 0 | 0 | 1 | 1 | | |
| PAR | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | | |
| URU | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 1 | | |
| TOTAL | 51 | 1820 | 1122 | 98 | 181 | 187 | 205 | 20 | | 7 |

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 01-40, 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 | 43 | 96 | 99 | 82 | 79 | 99 | | |
| | COL | 92 | 59 | 94 | 80 | 83 | 98 | | |
| | ECU | 72 | 59 | 98 | 87 | 83 | 99 | | |
| | PER | 100 | 89 | 95 | 80 | 53 | 95 | | |
| | VEN | 72 | 87 | 98 | 68 | 81 | 99 | 2 | |
| BRA CAP | BRA | 95 | 75 ^a | 77 | 44 | 90 | 98 | | |
| | COR | ... | ... | ... | ... | ... | ... | | |
| | ELS | 89 | 63 | 99 | 95 | 93 | 98 | | |
| | GUT | 49 | 92 | 98 | 75 | 94 | 98 | | |
| | HON | 94 | 93 | 98 | 80 | 88 | 98 | | |
| CAR LAC | NIC | 100 | 82 | 99 | 54 | 95 | 99 | | |
| | PAN | 93 | 74 | 99 | 70 | 96 | 99 | | |
| | CAR | 99 | 82 | 95 | 31 | 89 | 98 | | |
| | CUB | 95 | 92 ^a | 100 | 30 | 100 | 74 | | |
| | DOR | 83 | 68 | 97 | 61 | 74 | 99 | | |
| SOC | FGU | ... | ... | ... | ... | ... | ... | | |
| | GUA | ... | ... | ... | ... | ... | ... | | |
| | HAI | 71 | 93 | 93 | 28 | 36 | 91 | | |
| | MAR | ... | ... | ... | ... | ... | ... | | |
| | PUR | ... | ... | ... | ... | ... | ... | | |
| MEX NOA | MEX | 93 | 99 ^a | 97 | 86 | 76 | 99 | 4 | |
| | CAN | ... | ... | ... | ... | ... | ... | | |
| | USA | ... | ... | ... | ... | ... | ... | | |
| SOC | ARG | 80 | 11 | 92 | 75 | 86 | 99 | | |
| | CHI | 95 | 27 | 93 | 78 | 90 | 98 | | |
| | PAR | 92 | 73 | 99 | 85 | 100 | 100 | | |
| | URU | 58 | 33 | 100 | ... | ... | ... | | |
| Total and Average | | 88 | 79 | 87 | 60 | 85 | 97 | 6 | |

... No report received

^a 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>