

Measles/Rubella Weekly Bulletin



CHALLENGES for sustaining measles and rubella elimination

Increase quality of MR surveillance at all levels to rapidly respond to imported MR cases

Reach vaccination coverage equal to or more than 95% with two doses of MMR among 95% of the country's municipalities

Ensure high quality follow-up campaigns

Maintain MR surveillance during Zika, dengue, and Chikungunya epidemics



Table.1

Classification of Suspect Measles, Rubella, and Congenital Rubella Syndrome (CRS) Cases for the Period of Weeks 01-42, 2016

| Subregion and Country | Susp. Cases 2016 | Measles Confirmed 2016 | | | Year/Week Last Conf. Measles case | Rubella Confirmed 2016 | | | Year/Week Last Conf. Rubella Case | Diagnosis of Discarded Cases 2016 | | Congenital Rubella Syndrome | | | Year/Week Last Conf. CRS Case | |
|-----------------------|------------------|------------------------|-----------|-----------|-----------------------------------|------------------------|----------|----------|-----------------------------------|-----------------------------------|-------------|-----------------------------|----------|----------|-------------------------------|---------|
| | | Clin. | Lab. | Total | | Clin. | Lab. | Total | | Dengue | Others | Susp. | Conf. | CRI* | | |
| AND | BOL | 87 | 0 | 0 | 0 | 2000/40 | 0 | 0 | 0 | 2006/03 | 0 | 77 | 0 | 0 | 0 | ... |
| | COL | 1160 | 0 | 0 | 0 | 2015/36 | 0 | 0 | 0 | 2012/42 | 0 | 1077 | 416 | 0 | 0 | 2005/34 |
| | ECU | 189 | 0 | 1 | 1 | 2016/14 | 0 | 0 | 0 | 2004/45 | 0 | 166 | 0 | 0 | 0 | 2002/00 |
| | PER | 280 | 0 | 0 | 0 | 2015/25 | 0 | 0 | 0 | 2006/45 | 0 | 243 | 0 | 0 | 0 | 2007/16 |
| BRA | VEN | 348 | 0 | 0 | 0 | 2012/16 | 0 | 0 | 0 | 2007/51 | 6 | 341 | 4 | 0 | 0 | ... |
| | BRA | 1595 | 0 | 0 | 0 | 2015/32 | 0 | 0 | 0 | 2014/40 | 0 | 1490 | 50 | 0 | 0 | 2009/34 |
| | CAP | 21 | 0 | 0 | 0 | 2005/22 | 0 | 0 | 0 | 2001/42 | 3 | 18 | 70 | 0 | 0 | ... |
| | GTM | 153 | 0 | 0 | 0 | 1998/05 | 0 | 0 | 0 | 2006/30 | 5 | 144 | 0 | 0 | 0 | 2005/00 |
| | HND | 52 | 0 | 0 | 0 | 1997/29 | 0 | 0 | 0 | 2004/11 | 1 | 50 | 15 | 0 | 0 | 2001/00 |
| | NIC | 98 | 0 | 0 | 0 | 1994/14 | 0 | 0 | 0 | 2004/19 | 0 | 98 | 39 | 0 | 0 | 2005/00 |
| | PAN | 46 | 0 | 0 | 0 | 2011/20 | 0 | 0 | 0 | 2002/48 | 0 | 45 | 0 | 0 | 0 | ... |
| | SLV | 133 | 0 | 0 | 0 | 2001/19 | 0 | 0 | 0 | 2006/30 | 0 | 119 | 0 | 0 | 0 | 2001/00 |
| CAR | CAR | 461 | 0 | 0 | 0 | 2011/48 | 0 | 0 | 0 | 2008/18 | 0 | 451 | 29 | 0 | 0 | 1999/00 |
| | LAC | CUB | 617 | 0 | 0 | 0 | 1993/27 | 0 | 0 | 0 | 2004/06 | 0 | 617 | 0 | 0 | 0 |
| MEX | DOM | 92 | 0 | 0 | 0 | 2011/18 | 0 | 0 | 0 | 2006/44 | 0 | 21 | 0 | 0 | 0 | ... |
| | HTI | 34 | 0 | 0 | 0 | 2001/39 | 0 | 0 | 0 | 2006/21 | 0 | 31 | 6 | 0 | 0 | ... |
| NOA | MEX | 3401 | 0 | 0 | 0 | 2015/02 | 0 | 0 | 0 | 2012/49 | 0 | 3304 | 0 | 0 | 0 | ... |
| | CAN | ... | ... | 11 | 11 ^a | 2016/37 | 0 | 1 | 1 | 2016/06 | 0 | 0 | 0 | ... | ... | 2015/50 |
| SOC | USA | ... | ... | 53 | 53 ^a | 2016/35 | ... | 1 | 1 | 2016/03 | 0 | 0 | 0 | ... | ... | 2015/00 |
| | ARG | 218 | 0 | 0 | 0 | 2014/36 | 0 | 0 | 0 | 2014/22 | 8 | 133 | 93 | 0 | 0 | 2009/27 |
| | CHL | 161 | 0 | 0 | 0 | 2015/27 | 0 | 0 | 0 | 2011/25 | 0 | 154 | 66 | 0 | 0 | ... |
| | PRY | 275 | 0 | 0 | 0 | 1998/44 | 0 | 0 | 0 | 2005/21 | 23 | 237 | 0 | 0 | 0 | 2003/06 |
| URY | 0 | 0 | 0 | 0 | 1999/08 | 0 | 0 | 0 | 2001/37 | 0 | 0 | 0 | ... | ... | ... | |
| TOTAL | 9421 | 0 | 65 | 65 | -- | 0 | 2 | 2 | -- | 46 | 8816 | 788 | 0 | 0 | -- | |

*Congenital Rubella Infection; (a) Provisional data.

...No report received



Measles/Rubella Surveillance

Table No.2

Infection Source of Measles and Rubella Confirmed Cases for the Period of Weeks 01-42, 2016

| Subregion and Country | | Measles | | | | Rubella | | | |
|-----------------------|-----|-----------|-----------|----------|----------|----------|----------|----------|----------|
| | | I | IR | CAC | U | I | IR | CAC | U |
| AND | BOL | | | | | | | | |
| | COL | | | | | | | | |
| | ECU | 1 | | | | | | | |
| | PER | | | | | | | | |
| | VEN | | | | | | | | |
| BRA | BRA | | | | | | | | |
| | CRI | | | | | | | | |
| CAP | GTM | | | | | | | | |
| | HND | | | | | | | | |
| | NIC | | | | | | | | |
| | PAN | | | | | | | | |
| | SLV | | | | | | | | |
| CAR | CAR | | | | | | | | |
| | LAC | | | | | | | | |
| MEX | DOM | | | | | | | | |
| | HTI | | | | | | | | |
| | MEX | | | | 1 | 1 | | | |
| NOA | CAN | 10 | | | 1 | | | | |
| | USA | 26 | 24 | | 3 | 1 | | | |
| SOC | ARG | | | | | | | | |
| | CHL | | | | | | | | |
| | PRY | | | | | | | | |
| | URY | | | | | | | | |
| TOTAL | | 37 | 24 | 0 | 4 | 2 | 0 | 0 | 0 |

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

Table No.3

Measles/Rubella Suspect Cases Under Investigation for the Period of Weeks 01-42, 2016

| Country | Pending Cases 2015 | Cumulative 2016 | Week of Onset | | | | | | % Pend. Cases |
|--------------|--------------------|-----------------|---------------|-----------|-----------|-----------|-----------|-----------|---------------|
| | | | 1-37 | 38 | 39 | 40 | 41 | 42 | |
| BOL | 0 | 10 | 7 | 0 | 1 | 0 | 0 | 2 | 11 |
| COL | 2 | 83 | 62 | 5 | 5 | 8 | 2 | 1 | 7 |
| ECU | 0 | 22 | 21 | 1 | 0 | ... | ... | ... | 12 |
| PER | 0 | 37 | 28 | 3 | 0 | 1 | 0 | 5 | 13 |
| VEN | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| BRA | 234 | 105 | 77 | 10 | 6 | 5 | 7 | 0 | 7 |
| CRI | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GTM | 1 | 4 | 3 | 1 | 0 | 0 | 0 | 0 | 3 |
| HND | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 2 |
| NIC | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ... | 0 |
| PAN | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 2 |
| SLV | 9 | 14 | 6 | 1 | 1 | 2 | 4 | 0 | 11 |
| CAR | 0 | 10 | 4 | 0 | 1 | 1 | 4 | 0 | 2 |
| LAC | 0 | 0 | 0 | 0 | 0 | 0 | ... | ... | 0 |
| DOM | 62 | 71 | 71 | 0 | 0 | ... | ... | ... | 77 |
| HTI | 0 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 9 |
| MEX | 0 | 61 | 13 | 6 | 6 | 14 | 14 | 8 | 2 |
| CAN | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| USA | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ARG | 3 | 77 | 62 | 5 | 3 | 4 | 3 | 0 | 35 |
| CHL | 0 | 7 | 4 | 1 | 0 | 0 | 0 | 2 | 4 |
| PRY | 3 | 15 | 12 | 0 | 2 | 0 | 1 | 0 | 5 |
| URY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL | 314 | 522 | 372 | 35 | 25 | 35 | 37 | 18 | 6 |

... No report received

Table 4

Indicators of Integrated Measles/Rubella Surveillance for the Period of Weeks 01-42, 2016

| 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 (2015/43-2016/42) | |
|---------------------------|-----|------------------------|-------------|-------------------------------------|------------------------------|------------------------------------------|------------------------|---------------------------------------------------------|-----------------|
| | | Total Units | % This Week | | | | | Measles/Rubella (100,000 pop.) | CRS (10,000 lb) |
| AND | BOL | 3514 | ... | 99 | 97 | 41 | 73 | 1.1 | 0.0 |
| | COL | 5355 | 94 | 71 | 96 | 87 | 92 | 3.4 | 11.3 |
| | ECU | 3208 | ... | 92 | 96 | 75 | 72 | 1.5 | 0.0 |
| | PER | 7061 | ... | 84 | 89 | 75 | 31 | 1.2 | 0.0 |
| | VEN | 13092 | ... | 88 | 98 | 71 | 66 | 1.4 | 0.1 |
| CAP | BRA | 12224 | 76 | ... | 38 | 38 | 54 | 1.0 | 0.2 |
| | CRI | 57 | ... | 57 | 95 | 86 | 90 | 0.5 | 10.5 |
| | GTM | 1506 | 51 | 3 | 94 | 53 | 62 | 1.0 | 0.0 |
| | HND | 470 | 91 | 63 | 100 | 73 | 100 | 0.7 | 0.9 |
| | NIC | 370 | ... | 95 | 97 | 98 | 85 | 1.9 | 3.3 |
| CAR | PAN | 306 | 4 | 87 | 100 | 67 | 98 | 1.4 | 0.0 |
| | SLV | 1246 | ... | 68 | 91 | 93 | 80 | 3.2 | 0.0 |
| | CAR | 714 | 81 | 87 | 98 | 20 | 72 | 6.7 | 0.7 |
| | LAC | CUB | 168 | ... | 100 | 100 | 100 | 100 | 6.0 |
| MEX | DOM | 247 | ... | ... | 98 | 9 | 13 | 1.0 | 0.0 |
| | HTI | 320 | 77 | 85 | 97 | 82 | 76 | 0.4 | 0.2 |
| | MEX | 139 | ... | 99 | 96 | 91 | 86 | 6.4 | 0.0 |
| NOA | CAN | ... | ... | ... | ... | ... | ... | ... | ... |
| | USA | ... | ... | ... | ... | ... | ... | ... | ... |
| SOC | ARG | 809 | ... | 20 | 86 | 73 | 44 | 0.7 | 0.0 |
| | CHL | 799 | 88 | 38 | 88 | 93 | 95 | 1.5 | 2.8 |
| | PRY | 1063 | 91 | 83 | 97 | 81 | 66 | 5.6 | 0.0 |
| | URY | 345 | ... | 0 | 0 | 0 | 0 | 0.1 | 0.0 |
| Total and Average* | | 53013 | 79 | 86 | 86 | 74 | 76 | 1.3 | 2.0 |

*Weighted

... No report received