



Monitoring TAG's Recommendation to Lower the Age of MMR2 to 18 Months Between 2016 and 2019



*at 15 months
 ** 7 of 13 provinces administer at 18 months
 **at 13 months

Sources: PAHO-WHO/UNICEF 2019 joint reporting form (JRF) on immunization (2018 data).

Table.1
 Classification of Suspect Measles, Rubella, and Congenital Rubella Syndrome (CRS) Cases for Weeks 01-41, 2019

| Subregion and Country | Susp. Cases 2019 | Measles Confirmed 2019 | | | | Year/Week Last Conf. Measles case | Rubella Confirmed 2019 | | | Year/Week Last Conf. Rubella Case | Diagnosis of Discarded Cases 2019 | | Congenital Rubella Syndrome | | | Year/Week Last Conf. CRS Case | |
|-----------------------|------------------|------------------------|------------|-------------|-------------|-----------------------------------|------------------------|----------|----------|-----------------------------------|-----------------------------------|------------|-----------------------------|------------|----------|-------------------------------|-----------|
| | | Clin. | Lab. | EPI link | Total | | Clin. | Lab. | Total | | Dengue | Others | Susp. | Conf. | CRI* | | |
| AND | BOL | 72 | 0 | 0 | ... | 0 | 0 | 0 | 2006-03 | 1 | 30 | 8 | 0 | 0 | ... | | |
| | COL | 3782 | 0 | 208 | ... | 0 | 0 | 0 | 2012-31 | 1 | 3119 | 264 | 0 | 0 | 2005-34 | | |
| | ECU | 83 | 0 | 0 | 0 | 0 | 0 | 0 | 2004-49 | 0 | 78 | 0 | ... | ... | 2011-14 | | |
| | PER | 385 | 0 | 2 | ... | 0 | 0 | 0 | 2009-04 | 0 | 358 | 0 | 0 | 0 | 2007-16 | | |
| | VEN | 461 | 32 | 394 | 23 | 0 | 0 | 0 | 2019-34 | 9 | 186 | 19 | 0 | 0 | ... | | |
| BRA | BRA | 31650 | 259 | 4217 | ... | ... | ... | ... | 2019-37 | 0 | 5839 | 28 | 0 | 0 | 2009-34 | | |
| CAP | CRI | 49 | 0 | 10 | ... | 0 | 0 | 0 | 2019-13 | 0 | 38 | 25 | 0 | 0 | ... | | |
| | GTM | 337 | 0 | 0 | ... | 0 | 0 | 0 | 2018-03 | 1 | 201 | 2 | 0 | 0 | 2005-00 | | |
| | HND | 312 | 0 | 0 | ... | 0 | 0 | 0 | 1998-16 | 0 | 300 | 17 | 0 | 0 | 2001-00 | | |
| | NIC | 645 | 0 | 0 | ... | 0 | 0 | 0 | 1994-14 | 9 | 612 | 25 | 0 | 0 | 2005-00 | | |
| | PAN | 59 | 0 | 0 | ... | 0 | 0 | 0 | 2011-20 | 0 | 55 | 0 | 0 | 0 | ... | | |
| | SLV | 416 | 0 | 0 | ... | 0 | 0 | 0 | 2001-19 | 0 | 416 | 0 | 0 | 0 | 2001-00 | | |
| CAR | CAR | 300 | 0 | 3 | 1 | 4 | 0 | 0 | 2019-07 | 0 | 287 | 43 | 0 | 0 | 1999-00 | | |
| LAC | CUB | 2397 | 0 | 1 | ... | 1 ^b | 0 | 0 | 2019-24 | 0 | 2397 | 0 | 0 | 0 | 1989-10 | | |
| | DOM | 140 | 0 | 0 | ... | 0 | 0 | 0 | 2011-18 | 7 | 123 | 0 | 0 | 0 | ... | | |
| | HTI | 182 | 0 | 0 | ... | 0 | 0 | 0 | 2001-39 | 0 | 93 | 18 | 0 | 0 | ... | | |
| MEX | MEX | 4385 | 0 | 17 | ... | 17 ^b | 0 | 0 | 2019-37 | 0 | 3606 | 0 | 0 | 0 | ... | | |
| NOA | CAN | ... | ... | 103 | 9 | 112 | ... | ... | 2019-39 | 0 | 0 | 0 | ... | ... | 2018-39 | | |
| | USA | ... | ... | 42 | 1208 | 1250 ^c | ... | 1 | 1 | 2019-03 | 0 | 0 | 0 | ... | 2017-00 | | |
| SOC | ARG | 176 | 0 | 35 | ... | 35 | 0 | 3 | 2019-40 | 0 | 136 | 0 | 0 | 0 | 2009-27 | | |
| | CHL | 712 | 0 | 9 | ... | 9 | 0 | 1 | 2019-40 | 0 | 682 | 111 | 0 | 0 | ... | | |
| | PRY | 1186 | 0 | 0 | ... | 0 | 0 | 0 | 1998-44 | 88 | 872 | 3 | 0 | 0 | 2003-06 | | |
| | URY | 70 | 0 | 9 | ... | 9 | ... | ... | 2019-22 | 0 | 58 | 0 | 0 | ... | ... | | |
| TOTAL | | 47799 | 291 | 5050 | 1241 | 6582 | -- | 0 | 5 | 5 | -- | 116 | 19486 | 563 | 0 | 0 | -- |

*Congenital Rubella Infection.

...No updated report received

(a) *Boletín Epidemiológico Semanal, SE 40-2019, Instituto Nacional de Salud, Colombia*; (b) PAHO/WHO. Epidemiological Update: Measles. 25 September 2019, Washington, D.C.: PAHO/WHO; 2019; (c) Centers for Disease Control and Prevention (<https://www.cdc.gov/measles/cases-outbreaks.html>). Cases as of 3 October 2019. Case count is preliminary and subject to change. Data are updated every Monday.



Table No.2
Infection Source of Measles and Rubella Confirmed Cases for the Period of Weeks 01-41, 2019

| Subregion and Country | | Measles | | | | Rubella | | | |
|-----------------------|-----|------------|-------------|------------|-------------|----------|----------|----------|----------|
| | | I | IR | En. | U | I | IR | CAC | U |
| AND | BOL | | | | 17 | | | | |
| | COL | 65 | 126 | | | | | | |
| | ECU | | | | | | | | |
| | PER | 1 | 1 | | | | | | |
| | VEN | | | 449 | | | | | |
| BRA | BRA | 39 | | 48 | 4389 | | | | |
| | CRI | 1 | 9 | | | | | | |
| | GTM | | | | | | | | |
| | HND | | | | | | | | |
| | NIC | | | | | | | | |
| CAP | PAN | | | | | | | | |
| | SLV | | | | | | | | |
| | CAR | 4 | | | | | | | |
| | LAC | 1 | | | | | | | |
| | DOM | | | | | | | | |
| MEX | MEX | 5 | 12 | | | | | | |
| | CAN | 41 | 62 | | 9 | | | | |
| NOA | USA | 57 | 1176 | | 17 | 1 | | | |
| | ARG | 5 | 1 | | 29 | 3 | | | |
| SOC | CHL | 4 | 5 | | | 1 | | | |
| | PRY | | | | | | | | |
| | URY | 2 | 6 | | 1 | | | | |
| TOTAL | | 225 | 1398 | 497 | 4462 | 5 | 0 | 0 | 0 |

Table No.3
Measles/Rubella Suspect Cases Under Investigation for the Period of Weeks 01-41, 2019

| Country | Pending Cases 2018 | Cumulative 2019 | Week of Onset | | | | | | | % Pend. Cases |
|--------------|--------------------|-----------------|---------------|--------------|------------|-----------|-----------|-----------|-----------|---------------|
| | | | 1-36 | 37 | 38 | 39 | 40 | 41 | | |
| BOL | 3 | 41 | 41 | ... | ... | ... | ... | ... | ... | 57 |
| COL | 184 | 455 | 455 | ... | ... | ... | ... | ... | ... | 12 |
| ECU | 84 | 1 | 1 | 0 | 0 | 0 | ... | ... | ... | 1 |
| PER | 1 | 25 | 22 | 0 | 0 | 2 | 1 | 0 | 0 | 6 |
| VEN | 2 | 4 | 4 | 0 | 0 | ... | ... | ... | ... | 1 |
| BRA | 465 | 20873 | 20479 | 394 | ... | ... | ... | ... | ... | 66 |
| CRI | 23 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| GTM | 12 | 135 | 126 | 5 | 2 | 2 | 0 | 0 | ... | 40 |
| HND | 0 | 12 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| NIC | 0 | 24 | 12 | 0 | 7 | 4 | 0 | 1 | 1 | 4 |
| PAN | 0 | 4 | 1 | 0 | 1 | 0 | 0 | 2 | 7 | 7 |
| SLV | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ... | 0 | 0 |
| CAR | 0 | 9 | 5 | 0 | 1 | 1 | 1 | 1 | 1 | 3 |
| LAC | 0 | 0 | 0 | ... | ... | ... | ... | ... | ... | 0 |
| DOM | 0 | 10 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| HTI | 56 | 89 | 89 | 0 | 0 | 0 | 0 | 0 | 0 | 49 |
| MEX | 0 | 763 | 565 | 34 | 43 | 37 | 42 | 42 | 42 | 17 |
| CAN | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| USA | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ARG | 139 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| CHL | 0 | 19 | 6 | 3 | 2 | 1 | 6 | 1 | 3 | 3 |
| PRY | 9 | 226 | 152 | 5 | 11 | 14 | 33 | 11 | 19 | 19 |
| URY | 0 | 3 | 2 | 1 | 0 | 0 | 0 | ... | 4 | 4 |
| TOTAL | | 978 | 22696 | 21985 | 442 | 67 | 61 | 83 | 58 | 47 |

I: Imported; IR: Import-related; En: Endemic case; U: Unknown.

... No updated report received

(a) PAHO/WHO. Epidemiological Update: Measles. 25 September 2019, Washington, D.C.: PAHO/WHO; 2019

Table 4
Indicators of Integrated Measles/Rubella Surveillance for Period of Weeks 01-41, 2019

| 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 (2018/42-2019/41) | |
|---------------------------|-----|------------------------|-------------|-------------------------------------|------------------------------|--|------------------------|---|-----------------|
| | | Total Units | % This Week | | | | | Measles/Rubella (100,000 pop.) | CRS (10,000 lb) |
| AND | BOL | 2657 | ... | 63 | 81 | 77 | 77 | 1.0 | 0.3 |
| | COL | 5246 | 98 | 93 | 96 | 92 | 97 | 6.8 | 8.7 |
| | ECU | 2184 | ... | 87 | 98 | 80 | 89 | 1.4 | 0.0 |
| | PER | 7781 | ... | 86 | 97 | 82 | 47 | 1.9 | 0.0 |
| | VEN | 13092 | ... | 100 | 57 | 10 | 17 | 1.9 | 0.3 |
| CAP | BRA | ... | ... | ... | ... | ... | ... | 14.8 | 0.1 |
| | CRI | 57 | ... | 73 | 86 | 86 | 79 | 1.2 | 3.7 |
| | GTM | 1541 | ... | 85 | 97 | 63 | 86 | 2.1 | 0.0 |
| | HND | 470 | 87 | 79 | 99 | 81 | 98 | 3.9 | 2.2 |
| | NIC | 185 | 100 | 97 | 95 | 93 | 83 | 11.3 | 6.1 |
| CAR | PAN | 324 | ... | 97 | 95 | 76 | 95 | 1.6 | 0.0 |
| | SLV | 1281 | ... | 74 | 99 | 97 | 94 | 7.8 | 0.0 |
| | CAR | 763 | 67 | 86 | 97 | 8 | 85 | 4.6 | 13.2 |
| | LAC | 168 | ... | 100 | 100 | 100 | 100 | 27.6 | 0.0 |
| | DOM | 247 | ... | 19 | 96 | 84 | 76 | 1.3 | 0.0 |
| MEX | HTI | 652 | 85 | 90 | 93 | 74 | 65 | 1.8 | 0.7 |
| | MEX | 20322 | 97 | 95 | 99 | 91 | 89 | 3.6 | 0.0 |
| NOA | CAN | ... | ... | ... | ... | ... | ... | ... | ... |
| | USA | ... | ... | ... | ... | ... | ... | ... | ... |
| SOC | ARG | 784 | ... | 18 | 95 | 80 | 57 | 0.8 | 0.0 |
| | CHL | 767 | ... | 23 | 96 | 96 | 98 | 5.4 | 10.7 |
| | PRY | 1259 | 98 | 75 | 87 | 85 | 77 | 21.1 | 0.2 |
| | URY | 155 | ... | 97 | 54 | 54 | 46 | 2.0 | 0.0 |
| Total and Average* | | 59935 | 46 | 88 | 95 | 87 | 88 | 7.7 | 1.1 |

*Weighted

... No updated report received