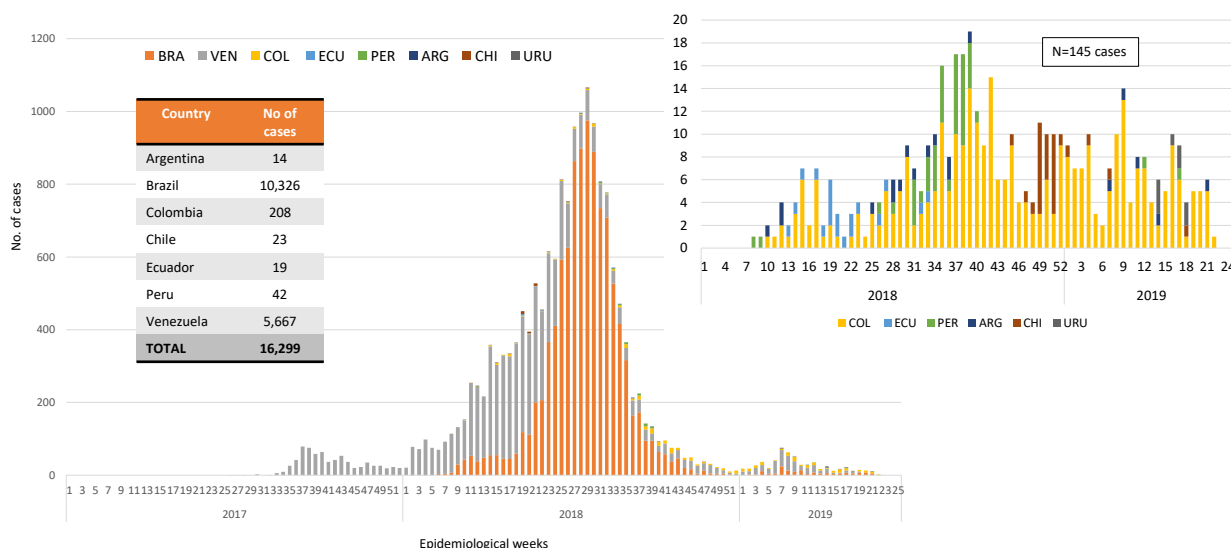




Distribution of confirmed measles cases by date of onset of rash South America, 2017 to 2019*



Source: MESS, ISIS and PAHO/WHO Measles Epidemiological Alert, 18 June, 2019

*Data as of epidemiological week 25, 2019

Table.1
Classification of Suspect Measles, Rubella, and Congenital Rubella Syndrome (CRS) Cases for Week 25, 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 | 37 | 0 | 0 | ... | 0 | 0 | 0 | 2000-40 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | ... |
| | COL | 1412 | 0 | 125 | ... | 125 | 0 | 0 | 0 | 2012-31 | 1 | 1195 | 141 | 0 | 0 | 0 | 0 | 2005-34 |
| | ECU | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2004-49 | 0 | 2 | 0 | ... | ... | ... | ... | 2011-14 |
| | PER | 260 | 0 | 2 | ... | 2 | 0 | 0 | 0 | 2009-04 | 0 | 247 | 0 | 0 | 0 | 0 | 0 | 2007-16 |
| | VEN | 230 | 32 | 277 | 23 | 332 ^a | 0 | 0 | 0 | 2007-51 | 9 | 66 | 19 | 0 | 0 | 0 | 0 | ... |
| BRA | BRA | 2007 | 12 | 131 | ... | 143 | ... | ... | ... | 2014-40 | 0 | 1302 | 22 | 0 | 0 | 0 | 0 | 2009-34 |
| CAP | CRI | 45 | 0 | 10 | ... | 10 ^a | 0 | 0 | 0 | 2001-39 | 0 | 34 | 25 | 0 | 0 | 0 | 0 | ... |
| | GTM | 208 | 0 | 0 | ... | 0 | 0 | 0 | 0 | 2006-31 | 1 | 201 | 2 | 0 | 0 | 0 | 0 | 2005-00 |
| | HND | 154 | 0 | 0 | ... | 0 | 0 | 0 | 0 | 2004-11 | 0 | 142 | 9 | 0 | 0 | 0 | 0 | 2001-00 |
| | NIC | 334 | 0 | 0 | ... | 0 | 0 | 0 | 0 | 2004-19 | 3 | 254 | 11 | 0 | 0 | 0 | 0 | 2005-00 |
| | PAN | 32 | 0 | 0 | ... | 0 | 0 | 0 | 0 | 2002-48 | 0 | 29 | 0 | 0 | 0 | 0 | 0 | ... |
| | SLV | 195 | 0 | 0 | ... | 0 | 0 | 0 | 0 | 2006-30 | 0 | 195 | 0 | 0 | 0 | 0 | 0 | 2001-00 |
| CAR | CAR | 179 | 0 | 2 | 1 | 3 | 0 | 0 | 0 | 2008-18 | 0 | 145 | 6 | 0 | 0 | 0 | 0 | 1999-00 |
| LAC | CUB | 1146 | 0 | 1 | ... | 1 ^a | 0 | 0 | 0 | 2004-06 | 0 | 1146 | 0 | 0 | 0 | 0 | 0 | 1989-10 |
| | DOM | 79 | 0 | 0 | ... | 0 | 0 | 0 | 0 | 2007-45 | 4 | 58 | 0 | 0 | 0 | 0 | 0 | ... |
| | HTI | 131 | 0 | 0 | ... | 0 | 0 | 0 | 0 | 2006-21 | 0 | 23 | 14 | 0 | 0 | 0 | 0 | ... |
| MEX | MEX | 2067 | 0 | 2 | ... | 2 | 0 | 0 | 0 | 2018-14 | 0 | 1858 | 0 | 0 | 0 | 0 | 0 | ... |
| NOA | CAN | ... | ... | 67 | 5 | 72 | ... | ... | ... | 2016-06 | 0 | 0 | 0 | ... | ... | ... | ... | 2018-39 |
| | USA | ... | ... | 42 | 1035 | 1077 ^b | ... | ... | ... | 2017-16 | 0 | 0 | 0 | ... | ... | ... | ... | 2017-00 |
| SOC | ARG | 27 | 0 | 5 | ... | 5 ^a | 0 | 3 | 3 | 2019-16 | 0 | 20 | 0 | 0 | 0 | 0 | 0 | 2009-27 |
| | CHL | 554 | 0 | 5 | ... | 5 | 0 | 1 | 1 | 2019-14 | 0 | 531 | 75 | 0 | 0 | 0 | 0 | ... |
| | PRY | 861 | 0 | 0 | ... | 0 | 0 | 0 | 0 | 2005-21 | 83 | 557 | 2 | 0 | 0 | 0 | 0 | 2003-06 |
| | URY | 33 | 0 | 9 | ... | 9 ^c | ... | ... | ... | 2001-37 | 0 | 23 | 0 | 0 | 0 | 0 | 0 | ... |
| TOTAL | | 9993 | 44 | 378 | 1064 | 1786 | -- | 0 | 4 | 4 | -- | 101 | 8033 | 326 | 0 | 0 | 0 | -- |

*Congenital Rubella Infection.

...No updated report receive

(a) PAHO/WHO. Epidemiological Update: Measles. 18 June 2019, Washington, D.C.: PAHO/WHO; 2019;

(b) Centers for Disease Control and Prevention (<https://www.cdc.gov/measles/cases-outbreaks.html>). Cases as of 20 June 2019. Case count is preliminary and subject to change. Data are updated every Monday; (c) Ministry of Health, Uruguay.



Table No.2
Infection Source of Measles and Rubella Confirmed Cases for the Period of Weeks 01-25, 2019

| Subregion and Country | | Measles | | | | Rubella | | | |
|-----------------------|------------------|------------|-------------|------------|-----------|----------|----------|----------|----------|
| | | I | IR | En. | U | I | IR | CAC | U |
| AND | BOL | | | | 11 | | | | |
| | COL | 114 | | | | | | | |
| BRA | PER | 1 | 1 | | | | | | |
| | VEN ^a | | | 332 | | | | | |
| CAP | BRA | 39 | | 48 | 56 | | | | |
| | CRI ^a | 4 | 6 | | | | | | |
| CAR | GTM | | | | | | | | |
| | HND | | | | | | | | |
| LAC | NIC | | | | | | | | |
| | PAN | | | | | | | | |
| MEX | SLV | | | | | | | | |
| | CAR | 3 | | | | | | | |
| NOA | CUB ^a | 1 | | | | | | | |
| | DOM | | | | | | | | |
| SOC | HTI | | | | | | | | |
| | MEX | 2 | | | 7 | | | | |
| URY ^b | CAN | 36 | 29 | | 17 | | | | |
| | USA | 57 | 1003 | | | | | | |
| URY ^b | ARG | 3 | 1 | | 1 | 3 | | | |
| | CHL ^a | 3 | 2 | | | 1 | | | |
| TOTAL | | 263 | 1050 | 380 | 93 | 4 | 0 | 0 | 0 |

Table No.3
Measles/Rubella Suspect Cases Under Investigation for the Period of Weeks 01-25, 2019

| Country | Pending Cases 2018 | Cumulative 2019 | Week of Onset | | | | | | | % Pend. Cases | |
|--------------|--------------------|-----------------|---------------|-------------|------------|------------|------------|------------|-----------|---------------|-----------|
| | | | 1-20 | 21 | 22 | 23 | 24 | 25 | | | |
| BOL | 2 | 32 | 32 | ... | ... | ... | ... | ... | ... | 86 | |
| COL | 184 | 91 | 87 | 0 | 3 | 1 | 0 | 0 | 0 | 6 | |
| ECU | 84 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ... | 0 | |
| PER | 1 | 11 | 2 | 0 | 0 | 2 | 4 | 3 | ... | 4 | |
| VEN | 7 | 8 | 8 | 0 | 0 | 0 | 0 | ... | ... | 3 | |
| BRA | 465 | 522 | 270 | 74 | 63 | 45 | 25 | 45 | ... | 26 | |
| CRI | 23 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | ... | 2 | |
| GTM | 12 | 6 | 6 | 0 | 0 | 0 | 0 | 0 | ... | 3 | |
| HND | 0 | 12 | 12 | 0 | 0 | 0 | 0 | 0 | ... | 8 | |
| NIC | 0 | 77 | 63 | 9 | 5 | ... | ... | ... | ... | 23 | |
| PAN | 0 | 3 | 2 | 0 | 0 | 1 | ... | ... | ... | 9 | |
| SLV | 0 | 0 | 0 | 0 | 0 | 0 | ... | ... | ... | 0 | |
| CAR | 0 | 31 | 8 | 3 | 6 | 7 | 5 | 2 | ... | 17 | |
| CUB | 0 | 0 | 0 | 0 | 0 | ... | ... | ... | ... | 0 | |
| DOM | 18 | 17 | 17 | 0 | 0 | 0 | 0 | 0 | ... | 22 | |
| HTI | 56 | 108 | 104 | 3 | 1 | 0 | 0 | 0 | ... | 82 | |
| MEX | 0 | 207 | 80 | 6 | 19 | 39 | 30 | 33 | ... | 10 | |
| CAN | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| USA | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| ARG | 333 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ... | 0 | |
| CHL | 2 | 17 | 11 | 0 | 1 | 0 | 2 | 3 | ... | 3 | |
| PRY | 24 | 221 | 129 | 20 | 7 | 16 | 29 | 20 | ... | 26 | |
| URY | 0 | 2 | 2 | 0 | ... | ... | ... | ... | ... | 6 | |
| TOTAL | | | 1211 | 1366 | 834 | 115 | 105 | 111 | 95 | 106 | 14 |

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

... No updated report received

(a) PAHO/WHO. Epidemiological Update: Measles. 18 June 2019, Washington, D.C.: PAHO/WHO; 2019

(b) Ministry of Health, Uruguay

Table 4
Indicators of Integrated Measles/Rubella Surveillance for Period of Weeks 01-25, 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 (2018/26-2019/25) | |
|---------------------------|-----|------------------------|-------------|-------------------------------------|------------------------------|--|------------------------|---|-----------------|
| | | Total Units | % This Week | | | | | Measles/Rubella (100,000 pop.) | CRS (10,000 lb) |
| AND | BOL | 2657 | ... | 19 | 24 | 78 | 89 | 1.0 | 0.0 |
| | COL | 5156 | 97 | 92 | 96 | 92 | 96 | 9.9 | 7.0 |
| | ECU | 2184 | ... | 100 | 100 | 100 | 100 | 2.1 | 0.0 |
| | PER | 7781 | ... | 91 | 98 | 89 | 45 | 3.1 | 0.0 |
| | VEN | 13092 | ... | 100 | 69 | 12 | 16 | 2.3 | 0.3 |
| CAP | BRA | 7680 | 74 | 49 | 85 | 70 | 48 | 0.6 | 0.1 |
| | CRI | 57 | 100 | 73 | 89 | 88 | 80 | 1.5 | 3.1 |
| | GTM | 1541 | 98 | 81 | 97 | 65 | 91 | 1.7 | 0.2 |
| | HND | 470 | 91 | 74 | 98 | 82 | 99 | 2.5 | 1.7 |
| | NIC | 185 | ... | 95 | 97 | 94 | 79 | 7.6 | 4.9 |
| CAR | PAN | 324 | ... | 91 | 91 | 75 | 94 | 1.6 | 0.0 |
| | SLV | 0 | ... | 73 | 98 | 97 | 95 | 6.5 | 0.0 |
| | CAR | 763 | 85 | 83 | 97 | 7 | 79 | 4.0 | 10.2 |
| | LAC | 168 | ... | 100 | 100 | 100 | 100 | 27.1 | 0.0 |
| | DOM | 247 | ... | 30 | 95 | 86 | 72 | 1.0 | 0.0 |
| MEX | HTI | 652 | 79 | 90 | 95 | 73 | 69 | 1.7 | 0.9 |
| | MEX | 20239 | 97 | 96 | 99 | 90 | 90 | 2.7 | 0.0 |
| NOA | CAN | ... | ... | ... | ... | ... | ... | ... | ... |
| | USA | ... | ... | ... | ... | ... | ... | ... | ... |
| SOC | ARG | 784 | ... | 19 | 100 | 89 | 85 | 1.3 | 0.3 |
| | CHL | 767 | 78 | 28 | 98 | 95 | 99 | 5.1 | 8.5 |
| | PRY | 1253 | 97 | 65 | 85 | 79 | 69 | 19.2 | 0.1 |
| URY | 155 | ... | 94 | 64 | 64 | 61 | 1.2 | 0.0 | |
| Total and Average* | | 66155 | 53 | 77 | 94 | 84 | 80 | 3.1 | 0.8 |

*Weighted

... No updated report received