



Acute Flaccid Paralysis Surveillance in the Americas

Vol. 30, No. 49

Week ending 12 December 2015

Table No.1
Expected and reported AFP cases, 2015

| Sub Region | Country | Population <15 years* | Expected AFP cases | Reported AFP cases 2015/49 |
|--------------|---------|-----------------------|--------------------|----------------------------|
| AND | BOL | 3,830,147 | 38 | 30 |
| | COL | 12,900,000 | 129 | 122 |
| | ECU | 4,982,359 | 50 | 22 |
| | PER | 9,308,490 | 93 | 55 |
| | VEN | 8,569,000 | 86 | 84 |
| BRA | BRA | 47,062,224 | 471 | 299 |
| CAP | CRI | 1,121,000 | 11 | 21 |
| | GTM | 4,229,000 | 42 | 15 |
| | HND | 3,155,746 | 32 | 60 |
| | NIC | 2,019,000 | 20 | 17 |
| | PAN | 1,087,657 | 11 | 14 |
| | SLV | 1,827,000 | 18 | 12 |
| CAR | CAR | 2,019,000 | 20 | 8 |
| LAC | CUB | 1,929,000 | 19 | 6 |
| | DOM | 3,023,000 | 30 | 10 |
| | HTI | 3,919,255 | 39 | 12 |
| MEX | MEX | 34,583,967 | 346 | 513 |
| NOA | CAN | 5,645,000 | 56 | 12 |
| | USA | 60,921,000 | NR | NR |
| SOC | ARG | 10,165,000 | 102 | 191 |
| | CHL | 3,863,000 | 39 | 60 |
| | PRY | 2,181,224 | 22 | 25 |
| | URY | 772,000 | 8 | 4 |
| Total | | 229,113,069 | 1682 | 1592 |

Table No.2
AFP cases under investigation (All ages)

| Country | Total 2014 | Cumm. 2015 | Week | | | | | | | | | | |
|--------------|------------|------------|------------|----------|----------|----------|-----------|-----------|----------|----------|----------|--|--|
| | | | 1-41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | | |
| BOL | 0 | 12 | 6 | 0 | 0 | 1 | 1 | 3 | 1 | 0 | ... | | |
| COL | 0 | 17 | 14 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | | |
| ECU | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ... | | |
| PER | 0 | 9 | 8 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | ... | | |
| VEN | 0 | 14 | 8 | 0 | 1 | 2 | 1 | 2 | 0 | 0 | 0 | | |
| BRA | 0 | 94 | 93 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | ... | | |
| CRI | 0 | 4 | 2 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | ... | | |
| GTM | 0 | 6 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| HND | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | | |
| NIC | 0 | 9 | 2 | 1 | 0 | 0 | 2 | 2 | 1 | 1 | ... | | |
| PAN | 0 | 9 | 6 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | | |
| SLV | 0 | 7 | 6 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | ... | | |
| CAR | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| CUB | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | ... | | |
| DOM | 0 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| HTI | 0 | 6 | 5 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | ... | | |
| MEX | 0 | 10 | 1 | 1 | 0 | 0 | 5 | 1 | 0 | 0 | 2 | | |
| CAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ... | | |
| USA | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | | |
| ARG | 0 | 8 | 0 | 0 | 0 | 0 | 3 | 4 | 0 | 1 | 0 | | |
| CHL | 0 | 34 | 29 | 0 | 0 | 0 | 0 | 3 | 0 | 1 | 1 | | |
| PRY | 0 | 15 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| URY | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | ... | | |
| Total | 0 | 267 | 208 | 4 | 5 | 6 | 14 | 17 | 5 | 5 | 3 | | |

*As reported by countries

NR - No reporting

... - No data

Table No.3
Confirmed and compatible polio cases, and AFP surveillance indicators, 2015 and 2014

| Sub Region | Country | Polio 2015 | | AFP Cases and indicators, last 52 weeks (2014/51 - 2015/49) | | | | | Polio 2014 | | AFP Cases and indicators, 2014 (2014/1 - 2014/53) | | | | |
|---------------------------|---------|------------|------------|---|-------------|-----------------|----------------|-------------------|------------|------------|---|-------------|-----------------|----------------|-------------------|
| | | Confirmed | Compatible | Cases | Rate | % Inv. <48 hrs. | % Adeq. spec.* | % Sites reporting | Confirmed | Compatible | Cases | Rate | % Inv. <48 hrs. | % Adeq. spec.* | % Sites reporting |
| AND | BOL | 0 | 0 | 30 | 0.78 | 87 | 93 | 83 | 0 | 0 | 41 | 1.07 | 95 | 79 | 83 |
| | COL | 0 | 0 | 128 | 0.99 | 60 | 79 | 92 | 0 | 0 | 166 | 1.29 | 25 | 81 | 92 |
| | ECU | 0 | 0 | 22 | 0.44 | 59 | 100 | ... | 0 | 0 | 22 | 0.44 | ... | 68 | ... |
| | PER | 0 | 0 | 58 | 0.62 | 83 | 67 | ... | 0 | 0 | 58 | 0.62 | 57 | 62 | 88 |
| VEN | 0 | 0 | 85 | 0.99 | 81 | 73 | 8 | 0 | 0 | 64 | 0.75 | 97 | 88 | ... | |
| BRA | BRA | 0 | 0 | 311 | 0.66 | 96 | 69 | ... | 0 | 0 | 444 | 0.94 | 95 | 69 | 80 |
| CAP | CRI | 0 | 0 | 21 | 1.87 | 38 | 100 | ... | 0 | 0 | 18 | 1.61 | 56 | 94 | ... |
| | GTM | 0 | 0 | 16 | 0.38 | ... | 81 | 80 | 0 | 0 | 31 | 0.73 | 6 | 61 | 60 |
| | HND | 0 | 0 | 68 | 2.15 | 24 | 84 | 89 | 0 | 0 | 60 | 1.90 | 28 | 90 | 90 |
| | NIC | 0 | 0 | 17 | 0.84 | 88 | 82 | 100 | 0 | 0 | 28 | 1.39 | 82 | 100 | 100 |
| | PAN | 0 | 0 | 15 | 1.38 | 87 | 80 | 84 | 0 | 0 | 14 | 1.29 | 64 | 71 | 75 |
| | SLV | 0 | 0 | 13 | 0.71 | 38 | 92 | 55 | 0 | 0 | 50 | 2.74 | 58 | 84 | 50 |
| CAR | CAR | 0 | 0 | 8 | 0.40 | 50 | 38 | 84 | 0 | 0 | 10 | 0.50 | 60 | 60 | 72 |
| LAC | CUB | 0 | 0 | 6 | 0.31 | 100 | 83 | 100 | 0 | 0 | 10 | 0.52 | 100 | 80 | 100 |
| | DOM | 0 | 0 | 11 | 0.36 | ... | 91 | ... | 0 | 0 | 23 | 0.76 | 9 | 78 | 49 |
| | HTI | 0 | 0 | 14 | 0.36 | 71 | 64 | 93 | 0 | 0 | 22 | 0.54 | 71 | 52 | 67 |
| MEX | MEX | 0 | 0 | 538 | 1.56 | 99 | 75 | ... | 0 | 0 | 599 | 1.73 | 99 | 80 | ... |
| NOA | CAN | 0 | 0 | 13 | 0.23 | ... | 23 | ... | 0 | 0 | 28 | 0.50 | ... | 7 | ... |
| | USA | 0 | 0 | NR | NR | NR | NR | NR | 0 | 0 | NR | NR | NR | NR | NR |
| SOC | ARG | 0 | 0 | 199 | 1.96 | 62 | 79 | 87 | 0 | 0 | 213 | 2.10 | 53 | 83 | 87 |
| | CHL | 0 | 0 | 61 | 1.58 | 46 | 54 | 100 | 0 | 0 | 71 | 1.84 | 58 | 83 | 99 |
| | PRY | 0 | 0 | 26 | 1.19 | 85 | 73 | 86 | 0 | 0 | 16 | 0.73 | 50 | 63 | 81 |
| | URY | 0 | 0 | 4 | 0.52 | 100 | 50 | ... | 0 | 0 | 3 | 0.39 | 67 | 100 | ... |
| Total [§] | | 0 | 0 | 1664 | 0.99 | 79 | 75 | - | 0 | 0 | 1991 | 1.18 | 74 | 76 | - |

+ Taken within 14 days of onset of paralysis
§ Excluding USA

... - No data
NR - No reporting

CAR includes reports from all CAREC member countries

Only data for AFP cases in children < 15 years shown on Table 1 and 3

Issues of the Polio Weekly Bulletin can be accessed at: <http://www.paho.org/immunization/PolioBulletin>



Table No.1
Virus isolation results and indicators, last 52 weeks
Epidemiological weeks 2014/51 - 2015/49

| Lab. | Country | Number of specimens from AFP cases | Virus Isolation Test | | | | | | | | | | | % Positive specimens for NPEV | Timing of isolation results | | |
|----------------|---------|------------------------------------|----------------------|-------------------|-------------------|-----------------|-------------------|------------|-------------|----------|------------|------------------------------|-------------------------------------|-------------------------------|-----------------------------|----|--|
| | | | Pending results | | | With results | | | | | | Total specimens with results | Total with reception & result dates | | % Results ≤ 14 days | | |
| | | | Not yet in lab. | Received ≤14 Days | Received >14 Days | Only poliovirus | Poliovirus & NPEV | Only NPEV | Negative | Others | Inadequate | | | | | | |
| CAR | BLZ | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 100 | | |
| | DOM | 7 | 1 | 0 | 0 | 0 | 0 | 1 | 5 | 0 | 0 | 17 | 6 | 6 | 100 | | |
| | GUY | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 100 | | |
| | HND | 64 | 0 | 0 | 2 | 0 | 0 | 11 | 53 | 0 | 0 | 17 | 62 | 62 | 68 | | |
| | HTI | 14 | 8 | 0 | 1 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 5 | 4 | 100 | | |
| | JAM | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 2 | 50 | | |
| | NIC | 12 | 3 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 9 | 9 | 78 | | |
| | PAN | 15 | 4 | 0 | 0 | 0 | 0 | 0 | 2 | 9 | 0 | 0 | 18 | 11 | 11 | 64 | |
| TTO | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 1 | 100 | | | |
| CDC | GTM | 17 | 6 | 0 | 1 | 0 | 0 | 10 | 0 | 0 | 0 | 10 | 2 | 50 | | | |
| | PRY | 22 | 12 | 0 | 0 | 0 | 0 | 2 | 8 | 0 | 0 | 20 | 10 | 10 | 90 | | |
| | SLV | 20 | 0 | 0 | 6 | 0 | 0 | 14 | 0 | 0 | 0 | 14 | 14 | 0 | | | |
| FIO | BRA | 227 | 25 | 0 | 14 | 2 | 0 | 11 | 175 | 0 | 0 | 7 | 188 | 186 | 65 | | |
| | PER | 36 | 2 | 0 | 0 | 0 | 0 | 1 | 33 | 0 | 0 | 3 | 34 | 25 | 24 | | |
| IEC | BRA | 38 | 0 | 0 | 2 | 0 | 0 | 1 | 35 | 0 | 0 | 3 | 36 | 34 | 82 | | |
| INDRE | MEX | 457 | 0 | 4 | 19 | 5 | 0 | 47 | 379 | 0 | 0 | 12 | 434 | 434 | 99 | | |
| INH | CRI | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 100 | | |
| INS | COL | 124 | 0 | 0 | 3 | 0 | 0 | 6 | 115 | 1 | 0 | 5 | 121 | 121 | 85 | | |
| | CRI | 37 | 0 | 0 | 4 | 0 | 0 | 7 | 25 | 1 | 0 | 22 | 33 | 32 | 50 | | |
| | ECU | 22 | 0 | 0 | 0 | 0 | 0 | 3 | 19 | 0 | 0 | 14 | 22 | 20 | 100 | | |
| IPK | CUB | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 4 | 4 | 100 | | |
| ISP | CHL | 47 | 0 | 0 | 1 | 1 | 0 | 0 | 45 | 0 | 0 | 2 | 46 | 46 | 91 | | |
| MAL | ARG | 196 | 0 | 0 | 17 | 16 | 0 | 10 | 153 | 0 | 0 | 15 | 179 | 179 | 93 | | |
| | BOL | 30 | 12 | 0 | 0 | 0 | 0 | 4 | 14 | 0 | 0 | 21 | 18 | 18 | 100 | | |
| | URY | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 2 | 50 | | |
| (no lab. name) | CAN | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 3 | 0 | 0 | | |
| | ECU | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | HND | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | NIC | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | PER | 14 | 9 | 0 | 3 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 2 | 50 | | |
| VEN | 77 | 11 | 0 | 2 | 0 | 0 | 4 | 60 | 0 | 0 | 6 | 64 | 55 | 64 | | | |
| Total | | 1504 | 105 | 4 | 75 | 24 | 0 | 110 | 1184 | 2 | 0 | 10 | 1320 | 1282 | 84 | | |

... No data

Only stool specimens from AFP cases < 15 years shown

Table No.2
Status of Intratypic Differentiation (ITD) testing for specimens with isolated poliovirus, last 52 weeks
Epidemiological weeks 2014/51 - 2015/49

| Lab. | Country | Number of poliovirus isolated | Poliovirus Intratypic Differentiation Results | | | | | | | | | Pending ITD results | Number of specimens with ITD results | ITD Results w/ reception or detection and results dates | % ITD results ≤ 7 days of reception or detection | % ITD results ≤ 45 days of onset of paralysis | % ITD results ≤ 60 days of onset of paralysis |
|--------------|---------|-------------------------------|---|-----------|-----------|----------|----------|----------|----------|----------|----------|---------------------|--------------------------------------|---|--|---|---|
| | | | Sabin | | | VDPV | | | Wild | | | | | | | | |
| | | | P1 | P2 | P3 | P1 | P2 | P3 | P1 | P2 | P3 | | | | | | |
| FIO | BRA | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 100 | 100 | 100 |
| INDRE | MEX | 5 | 3 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 100 | 100 | 100 |
| INS | COL | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 100 | 100 | 100 |
| ISP | CHL | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | - | - | - | |
| MAL | ARG | 16 | 8 | 11 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 16 | 100 | 100 | 100 |
| Total | | 24 | 13 | 14 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 25 | 25 | 100 | 100 | 100 |