



Acute Flaccid Paralysis Surveillance in the Americas

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Week ending 10 December 2016

Table No.1
Expected and reported AFP cases, 2016

| Sub Region | Country | Population <15 years* | Expected AFP cases | Reported AFP cases 2016/49 |
|--------------|---------|-----------------------|--------------------|----------------------------|
| AND | BOL | 3,488,083 | 35 | 22 |
| | COL | 11,622,602 | 116 | 182 |
| | ECU | 4,705,464 | 47 | 25 |
| | PER | 8,786,980 | 88 | 46 |
| | VEN | 8,765,312 | 88 | 110 |
| BRA | BRA | 47,426,629 | 474 | 360 |
| CAP | CRI | 1,065,783 | 11 | 23 |
| | GTM | 6,032,750 | 60 | 20 |
| | HND | 3,221,178 | 32 | 64 |
| | NIC | 1,814,682 | 18 | 26 |
| | PAN | 1,073,291 | 11 | 14 |
| SLV | SLV | 1,625,466 | 16 | 43 |
| | CAR | CAR | 1,758,319 | 18 |
| LAC | CUB | 1,830,247 | 18 | 1 |
| | DOM | 3,155,763 | 32 | 32 |
| | HTI | 3,616,958 | 36 | 13 |
| MEX | MEX | 34,977,953 | 350 | 558 |
| NOA | CAN | 5,797,902 | 58 | 21 |
| | USA | 61,098,121 | NR | NR |
| SOC | ARG | 10,987,085 | 110 | 189 |
| | CHL | 3,603,758 | 36 | 69 |
| | PRY | 1,998,950 | 20 | 28 |
| | URY | 731,231 | 7 | 5 |
| Total | | 229,184,507 | 1681 | 1875 |

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

| Country | Total 2015 | Cumm. 2016 | Week | | | | | | | | | | |
|--------------|------------|------------|------------|-----------|-----------|----------|----------|-----------|-----------|-----------|----------|-----|-----|
| | | | 1-41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | | |
| BOL | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| COL | 0 | 16 | 5 | 0 | 0 | 1 | 0 | 2 | 2 | 4 | 2 | ... | ... |
| ECU | 0 | 7 | 7 | 0 | 0 | 0 | 0 | 0 | ... | ... | ... | ... | ... |
| PER | 0 | 9 | 4 | 0 | 2 | 0 | 1 | 1 | 1 | 0 | ... | ... | ... |
| VEN | 0 | 4 | 2 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | ... | ... |
| BRA | 0 | 98 | 84 | 3 | 5 | 1 | 3 | 1 | 1 | 0 | ... | ... | ... |
| CRI | 0 | 4 | 4 | 0 | 0 | 0 | 0 | ... | ... | ... | ... | ... | ... |
| GTM | 0 | 12 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| HND | 0 | 9 | 0 | 1 | 2 | 2 | 0 | 1 | 2 | 1 | 0 | ... | ... |
| NIC | 0 | 7 | 4 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | ... | ... |
| PAN | 0 | 14 | 12 | 0 | 1 | 0 | 1 | 0 | 0 | ... | ... | ... | ... |
| SLV | 1 | 27 | 22 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | ... |
| CAR | 0 | 48 | 47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| CUB | 1 | 1 | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| DOM | 0 | 7 | 6 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| HTI | 0 | 4 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MEX | 0 | 25 | 14 | 0 | 0 | 0 | 1 | 1 | 4 | 4 | 1 | ... | ... |
| CAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| USA | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| ARG | 0 | 5 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 2 | 0 | ... | ... |
| CHL | 0 | 42 | 37 | 2 | 1 | 0 | 0 | 1 | 1 | 0 | ... | ... | ... |
| PRY | 0 | 13 | 6 | 3 | 0 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| URY | 0 | 3 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 2 | 356 | 272 | 13 | 14 | 9 | 9 | 10 | 12 | 12 | 5 | ... | ... |

*As reported by countries

NR - No reporting

... - No data

Table No.3 Confirmed and compatible polio cases, and AFP surveillance indicators, 2016 and 2015

| Sub Region | Country | Polio 2016 | | AFP Cases and indicators, last 52 weeks (2015/50 - 2016/49) | | | | | Polio 2015 | | AFP Cases and indicators, 2015 (2015/1 - 2015/52) | | | | |
|----------------|---------|------------|------------|---|-------------|-----------------|----------------|-------------------|------------|------------|---|-------------|-----------------|----------------|-------------------|
| | | 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 | 27 | 0.76 | 93 | 85 | 80 | 0 | 0 | 36 | 1.01 | 86 | 92 | 83 |
| | COL | 0 | 0 | 189 | 1.47 | 74 | 79 | 93 | 0 | 0 | 135 | 1.05 | 70 | 79 | 92 |
| | ECU | 0 | 0 | 26 | 0.52 | 96 | 85 | ... | 0 | 0 | 24 | 0.48 | 54 | 96 | ... |
| | PER | 0 | 0 | 53 | 0.60 | 60 | 72 | ... | 0 | 0 | 75 | 0.86 | 75 | 68 | ... |
| | VEN | 0 | 0 | 114 | 1.30 | 88 | 79 | 81 | 0 | 0 | 91 | 1.10 | 81 | 75 | 27 |
| BRA | BRA | 0 | 0 | 384 | 0.81 | 99 | 65 | 86 | 0 | 0 | 485 | 1.02 | 97 | 71 | ... |
| CAP | CRI | 0 | 0 | 24 | 2.24 | 54 | 88 | ... | 0 | 0 | 22 | 2.05 | 36 | 95 | ... |
| | GTM | 0 | 0 | 23 | 0.36 | ... | 74 | 78 | 0 | 0 | 25 | 0.39 | ... | 60 | 80 |
| | HND | 0 | 0 | 65 | 2.02 | 46 | 83 | 90 | 0 | 0 | 63 | 0.02 | 32 | 83 | 89 |
| | NIC | 0 | 0 | 27 | 1.34 | 89 | 100 | 100 | 0 | 0 | 20 | 0.99 | 90 | 95 | 100 |
| | PAN | 0 | 0 | 14 | 1.30 | 71 | 86 | 76 | 0 | 0 | 14 | 1.28 | 86 | 86 | 84 |
| SLV | 0 | 0 | 46 | 2.54 | 30 | 74 | 47 | 0 | 0 | 30 | 1.66 | 30 | 93 | 36 | |
| CAR | CAR | 0 | 0 | 24 | 1.36 | 92 | 25 | 88 | 0 | 0 | 9 | 0.51 | 56 | 33 | 85 |
| LAC | CUB | 0 | 0 | 2 | 0.11 | 100 | 100 | 100 | 0 | 0 | 8 | 0.42 | 100 | 88 | 100 |
| | DOM | 0 | 0 | 32 | 1.01 | 6 | 81 | ... | 0 | 0 | 14 | 0.48 | 14 | 93 | ... |
| | HTI | 0 | 0 | 13 | 0.36 | 77 | 54 | 77 | 0 | 0 | 12 | 0.33 | 83 | 67 | 55 |
| MEX | MEX | 0 | 0 | 579 | 1.66 | 99 | 75 | ... | 0 | 0 | 533 | 1.59 | 99 | 81 | ... |
| NOA | CAN | 0 | 0 | 22 | 0.38 | ... | 18 | ... | 0 | 0 | 23 | 0.40 | ... | 17 | ... |
| | USA | 0 | 0 | NR | NR | NR | NR | NR | 0 | 0 | NR | NR | NR | NR | NR |
| SOC | ARG | 0 | 0 | 200 | 1.82 | 41 | 70 | 84 | 0 | 0 | 217 | 2.00 | 64 | 82 | 88 |
| | CHL | 0 | 0 | 74 | 2.02 | 81 | 70 | ... | 0 | 0 | 70 | 1.91 | 89 | 60 | ... |
| | PRY | 0 | 0 | 29 | 1.40 | 86 | 86 | 87 | 0 | 0 | 26 | 1.19 | 85 | 77 | 83 |
| | URY | 0 | 0 | 5 | 0.68 | 100 | 60 | ... | 0 | 0 | 4 | 19.19 | 100 | 50 | ... |
| Total § | | 0 | 0 | 1972 | 1.17 | 80 | 73 | - | 0 | 0 | 1936 | 1.15 | 82 | 77 | - |

+ Taken within 14 days of onset of paralysis

... - No data

CAR includes reports from all CARPHA member countries

§ Excluding USA

NR - No reporting

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 2015/50 - 2016/49

| 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 | 3 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 100 | | |
| | DOM | 32 | 7 | 0 | 0 | 0 | 0 | 0 | 25 | 0 | 0 | 0 | 25 | 25 | 100 | | |
| | GRD | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 100 | | |
| | HND | 57 | 0 | 0 | 0 | 0 | 0 | 7 | 50 | 0 | 0 | 12 | 57 | 57 | 79 | | |
| | HTI | 13 | 4 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 9 | 8 | 88 | | |
| | JAM | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 4 | 4 | 100 | | |
| | NIC | 26 | 6 | 0 | 0 | 0 | 0 | 0 | 20 | 0 | 0 | 0 | 20 | 20 | 95 | | |
| | PAN | 13 | 6 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 7 | 7 | 100 | | |
| | SUR | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 100 | | |
| | TTO | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 100 | | |
| CDC | GTM | 22 | 12 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 10 | 6 | 0 | | |
| | PRY | 29 | 13 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 0 | 0 | 16 | 16 | 81 | | |
| | SLV | 39 | 0 | 0 | 13 | 0 | 0 | 0 | 28 | 0 | 0 | 0 | 28 | 28 | 0 | | |
| FIO | BRA | 268 | 28 | 0 | 7 | 1 | 0 | 7 | 225 | 0 | 0 | 3 | 233 | 230 | 75 | | |
| | PER | 39 | 3 | 0 | 4 | 0 | 0 | 0 | 32 | 0 | 0 | 0 | 32 | 32 | 47 | | |
| IEC | BRA | 52 | 7 | 0 | 1 | 1 | 0 | 2 | 41 | 0 | 0 | 7 | 44 | 40 | 73 | | |
| INDRE | MEX | 473 | 3 | 14 | 6 | 4 | 0 | 36 | 414 | 0 | 0 | 9 | 454 | 454 | 100 | | |
| INH | VEN | 109 | 1 | 0 | 13 | 2 | 0 | 3 | 90 | 0 | 0 | 5 | 94 | 94 | 66 | | |
| INS | COL | 175 | 2 | 4 | 0 | 0 | 0 | 14 | 155 | 0 | 0 | 8 | 169 | 169 | 96 | | |
| | CRI | 36 | 4 | 0 | 0 | 0 | 0 | 3 | 29 | 0 | 0 | 9 | 32 | 32 | 100 | | |
| | ECU | 28 | 4 | 0 | 1 | 0 | 0 | 1 | 22 | 0 | 0 | 4 | 23 | 22 | 18 | | |
| INS | PER | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| IPK | CUB | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| ISP | CHL | 63 | 0 | 0 | 0 | 0 | 0 | 5 | 58 | 0 | 0 | 8 | 63 | 63 | 89 | | |
| MAL | ARG | 184 | 0 | 0 | 7 | 5 | 0 | 24 | 148 | 0 | 0 | 16 | 177 | 174 | 76 | | |
| | BOL | 27 | 1 | 0 | 2 | 0 | 0 | 4 | 20 | 0 | 0 | 17 | 24 | 24 | 100 | | |
| | URY | 3 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 50 | 2 | 2 | 0 | | |
| (no lab. name) | ARG | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 100 | | |
| | BRA | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | CAN | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 6 | 0 | 0 | | |
| | HND | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | NIC | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | PER | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| VEN | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 4 | 4 | 75 | | | |
| Total | | 1728 | 120 | 18 | 57 | 13 | 0 | 107 | 1419 | 0 | 0 | 8 | 1538 | 1516 | 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 2015/50 - 2016/49

| Lab. | Country | Number of poliovirus isolated | Poliovirus Intratypic Differentiation Results | | | | | | | | | Pending ITD results | Number of specimens with ITD results | ITD Indicators | | | |
|--------------|---------|-------------------------------|---|----------|-----------|----------|----------|----------|----------|----------|----------|---------------------|--------------------------------------|---|--|---|---|
| | | | Sabin | | | VDPV | | | Wild | | | | | 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 |
| | | | P1 | P2 | P3 | P1 | P2 | P3 | P1 | P2 | P3 | | | | | | |
| FIO | BRA | 2 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 50 | 100 | 100 |
| INDRE | MEX | 4 | 2 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 100 | 100 | 100 |
| INH | VEN | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 100 | 100 | 100 | |
| MAL | ARG | 5 | 0 | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 100 | 100 | 100 |
| | BOL | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 100 | 0 | 0 |
| Total | | 13 | 4 | 6 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 14 | 14 | 93 | 86 | 86 |