



Acute Flaccid Paralysis Surveillance in the Americas

Vol. 31, No. 20

Week ending 21 May 2016

Table No.1
Expected and reported AFP cases, 2016

| Sub Region | Country | Population <15 years* | Expected AFP cases | Reported AFP cases 2016/20 |
|--------------|---------|-----------------------|--------------------|----------------------------|
| AND | BOL | 3,830,147 | 38 | 5 |
| | COL | 12,900,000 | 129 | 77 |
| | ECU | 4,982,359 | 50 | 7 |
| | PER | 9,308,490 | 93 | 22 |
| | VEN | 8,569,000 | 86 | 29 |
| BRA | BRA | 47,062,224 | 471 | 95 |
| CAP | CRI | 1,121,000 | 11 | 8 |
| | GTM | 4,229,000 | 42 | 11 |
| | HND | 3,155,746 | 32 | 20 |
| | NIC | 2,019,000 | 20 | 11 |
| | PAN | 1,087,657 | 11 | 3 |
| | SLV | 1,827,000 | 18 | 4 |
| CAR | CAR | 2,019,000 | 20 | 7 |
| LAC | CUB | 1,929,000 | 19 | 1 |
| | DOM | 3,023,000 | 30 | 0 |
| | HTI | 3,919,255 | 39 | 2 |
| MEX | MEX | 34,583,967 | 346 | 166 |
| NOA | CAN | 5,645,000 | 56 | 1 |
| | USA | 60,921,000 | NR | NR |
| SOC | ARG | 10,165,000 | 102 | 65 |
| | CHL | 3,863,000 | 39 | 27 |
| | PRY | 2,181,224 | 22 | 4 |
| | URY | 772,000 | 8 | 1 |
| Total | | 229,113,069 | 1682 | 566 |

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

| Country | Total 2015 | Cumm. 2016 | Week | | | | | | | | | | |
|--------------|------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|----------|--|
| | | | 1-12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | | |
| BOL | 9 | 5 | 5 | 0 | 0 | 0 | 0 | ... | ... | ... | ... | ... | |
| COL | 0 | 8 | 1 | 0 | 2 | 2 | 1 | 1 | 1 | 0 | ... | ... | |
| ECU | 1 | 6 | 4 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | ... | ... | |
| PER | 1 | 13 | 3 | 1 | 0 | 4 | 2 | 3 | 0 | 0 | 0 | 0 | |
| VEN | 0 | 9 | 3 | 1 | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 1 | |
| BRA | 0 | 46 | 31 | 3 | 3 | 2 | 4 | 3 | 0 | 0 | 0 | 0 | |
| CRI | 0 | 6 | 5 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| GTM | 11 | 3 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | |
| HND | 0 | 9 | 1 | 2 | 1 | 0 | 0 | 1 | 2 | 2 | 0 | 0 | |
| NIC | 0 | 5 | 0 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| PAN | 5 | 3 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SLV | 8 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | ... | ... | ... | ... | |
| CAR | 1 | 10 | 3 | 0 | 1 | 3 | 0 | 1 | 0 | 2 | 0 | 0 | |
| CUB | 1 | 1 | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| DOM | 8 | 0 | 0 | 0 | 0 | ... | ... | ... | ... | ... | ... | ... | |
| HTI | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | |
| MEX | 0 | 33 | 2 | 0 | 0 | 5 | 4 | 8 | 7 | 6 | 1 | 1 | |
| CAN | 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 | |
| ARG | 1 | 22 | 5 | 0 | 0 | 0 | 5 | 5 | 3 | 4 | ... | ... | |
| CHL | 19 | 20 | 12 | 3 | 0 | 3 | 0 | 1 | 0 | 0 | 1 | 0 | |
| PRY | 1 | 4 | 3 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | |
| URY | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | ... | ... | |
| Total | 66 | 209 | 86 | 12 | 13 | 23 | 17 | 27 | 13 | 15 | 3 | 3 | |

*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 (2015/21 - 2016/20) | | | | | 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 | 31 | 0.81 | 94 | 87 | 82 | 0 | 0 | 35 | 0.91 | 89 | 94 | 83 |
| | COL | 0 | 0 | 162 | 1.26 | 72 | 81 | 93 | 0 | 0 | 148 | 1.15 | 70 | 77 | 92 |
| | ECU | 0 | 0 | 22 | 0.44 | 64 | 91 | ... | 0 | 0 | 24 | 0.48 | 54 | 96 | ... |
| | PER | 0 | 0 | 68 | 0.73 | 66 | 63 | ... | 0 | 0 | 75 | 0.81 | 75 | 68 | ... |
| | VEN | 0 | 0 | 79 | 0.92 | 86 | 77 | 60 | 0 | 0 | 90 | 1.05 | 82 | 74 | 27 |
| BRA | BRA | 0 | 0 | 393 | 0.84 | 97 | 65 | ... | 0 | 0 | 486 | 1.03 | 97 | 71 | ... |
| CAP | CRI | 0 | 0 | 21 | 1.87 | 62 | 95 | ... | 0 | 0 | 22 | 1.96 | 36 | 95 | ... |
| | GTM | 0 | 0 | 28 | 0.66 | ... | 68 | 81 | 0 | 0 | 25 | 0.59 | ... | 60 | 80 |
| | HND | 0 | 0 | 53 | 1.68 | 38 | 81 | 90 | 0 | 0 | 63 | 2.00 | 32 | 83 | 89 |
| | NIC | 0 | 0 | 24 | 1.19 | 88 | 100 | 100 | 0 | 0 | 20 | 0.99 | 90 | 95 | 100 |
| | PAN | 0 | 0 | 13 | 1.20 | 85 | 85 | 86 | 0 | 0 | 14 | 1.29 | 79 | 86 | 84 |
| | SLV | 0 | 0 | 24 | 1.31 | 46 | 88 | 52 | 0 | 0 | 28 | 1.53 | 32 | 96 | 50 |
| CAR | CAR | 0 | 0 | 11 | 0.54 | 73 | 36 | 86 | 0 | 0 | 9 | 0.45 | 56 | 33 | 85 |
| LAC | CUB | 0 | 0 | 5 | 0.26 | 100 | 100 | 100 | 0 | 0 | 8 | 0.41 | 100 | 88 | 100 |
| | DOM | 0 | 0 | 10 | 0.33 | 20 | 70 | ... | 0 | 0 | 14 | 0.46 | 14 | 79 | ... |
| | HTI | 0 | 0 | 7 | 0.18 | 57 | 57 | 65 | 0 | 0 | 12 | 0.31 | 75 | 67 | 55 |
| MEX | MEX | 0 | 0 | 510 | 1.47 | 100 | 73 | ... | 0 | 0 | 534 | 1.54 | 99 | 81 | ... |
| NOA | CAN | 0 | 0 | 16 | 0.28 | ... | 13 | ... | 0 | 0 | 23 | 0.37 | ... | 14 | ... |
| | USA | 0 | 0 | NR | NR | NR | NR | NR | 0 | 0 | NR | NR | NR | NR | NR |
| SOC | ARG | 0 | 0 | 181 | 1.78 | 55 | 71 | 85 | 0 | 0 | 215 | 2.12 | 64 | 82 | 88 |
| | CHL | 0 | 0 | 70 | 1.81 | 80 | 64 | ... | 0 | 0 | 69 | 1.79 | 77 | 58 | ... |
| | PRY | 0 | 0 | 19 | 0.87 | 95 | 95 | 86 | 0 | 0 | 26 | 1.19 | 85 | 77 | 84 |
| | URY | 0 | 0 | 4 | 0.52 | 100 | 25 | ... | 0 | 0 | 4 | 0.52 | 100 | 50 | ... |
| Total § | | 0 | 0 | 1751 | 1.04 | 82 | 72 | - | 0 | 0 | 1944 | 1.16 | 82 | 76 | - |

+ Taken within 14 days of onset of paralysis

... - No data

CAR includes reports from all CAREC 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 2015/21 - 2016/20

| Lab. | Country | Number of specimens from AFP cases | Virus Isolation Test | | | | | | | | | | | | | |
|----------------|---------|------------------------------------|----------------------|-------------------|-------------------|-----------------|-------------------|-----------|-------------|----------|------------|-------------------------------|------------------------------|-------------------------------------|---------------------|-----|
| | | | Pending results | | | With results | | | | | | % Positive specimens for NPEV | Timing of isolation results | | | |
| | | | Not yet in lab. | Received ≤14 Days | Received >14 Days | Only poliovirus | Poliovirus & NPEV | Only NPEV | Negative | Others | Inadequate | | Total specimens with results | Total with reception & result dates | % Results ≤ 14 days | |
| CAR | BLZ | 4 | 1 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 2 | 100 | |
| | DMA | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | DOM | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 100 | |
| | GRD | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 100 | |
| | GUY | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 100 | |
| | HND | 48 | 0 | 0 | 2 | 0 | 0 | 6 | 40 | 0 | 0 | 13 | 46 | 46 | 59 | |
| | HTI | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 5 | 4 | 75 | |
| | JAM | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | NIC | 25 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 22 | 0 | 0 | 4 | 23 | 23 | 52 |
| | PAN | 13 | 4 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 0 | 0 | 11 | 9 | 9 | 100 |
| CDC | GTM | 27 | 7 | 0 | 1 | 0 | 0 | 0 | 19 | 0 | 0 | 0 | 19 | 8 | 0 | |
| | PRY | 17 | 4 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 0 | 0 | 13 | 13 | 100 | |
| | SLV | 24 | 0 | 0 | 2 | 0 | 0 | 0 | 22 | 0 | 0 | 0 | 22 | 22 | 0 | |
| FIO | BRA | 285 | 19 | 0 | 12 | 2 | 2 | 11 | 239 | 0 | 0 | 5 | 252 | 244 | 65 | |
| | PER | 45 | 2 | 0 | 1 | 0 | 0 | 1 | 41 | 0 | 0 | 2 | 42 | 33 | 64 | |
| IEC | BRA | 44 | 5 | 0 | 0 | 2 | 0 | 1 | 36 | 0 | 0 | 8 | 39 | 36 | 50 | |
| INDRE | MEX | 426 | 5 | 4 | 24 | 4 | 0 | 45 | 348 | 0 | 0 | 12 | 397 | 397 | 99 | |
| INH | VEN | 3 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 50 | 2 | 2 | 50 | |
| INS | COL | 156 | 1 | 0 | 2 | 0 | 0 | 6 | 146 | 1 | 0 | 4 | 153 | 153 | 84 | |
| | CRI | 33 | 0 | 0 | 2 | 0 | 0 | 3 | 25 | 1 | 0 | 11 | 29 | 29 | 79 | |
| | ECU | 19 | 2 | 0 | 4 | 0 | 0 | 1 | 12 | 0 | 0 | 8 | 13 | 13 | 100 | |
| IPK | CUB | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 3 | 3 | 100 | |
| ISP | CHL | 52 | 0 | 0 | 0 | 1 | 0 | 3 | 48 | 0 | 0 | 8 | 52 | 52 | 90 | |
| MAL | ARG | 166 | 0 | 0 | 20 | 16 | 0 | 10 | 120 | 0 | 0 | 18 | 146 | 146 | 86 | |
| | BOL | 31 | 14 | 0 | 0 | 0 | 0 | 1 | 16 | 0 | 0 | 6 | 17 | 17 | 100 | |
| | URY | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 100 | |
| (no lab. name) | BRA | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | CAN | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 4 | 0 | 0 | |
| | DOM | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | ECU | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 1 | 0 | |
| | HND | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | PER | 7 | 5 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 100 | |
| | PRY | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| VEN | 67 | 6 | 0 | 1 | 0 | 0 | 0 | 5 | 55 | 0 | 0 | 8 | 60 | 60 | 68 | |
| Total | | 1532 | 98 | 4 | 75 | 26 | 2 | 95 | 1232 | 2 | 0 | 9 | 1355 | 1318 | 80 | |

... 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 2015/21 - 2016/20

| Lab. | Country | Number of poliovirus isolated | Poliovirus Intratypic Differentiation Results | | | | | | | | | ITD Indicators | | | | | |
|--------------|---------|-------------------------------|---|-----------|-----------|----------|----------|----------|----------|----------|----------|---------------------|--------------------------------------|---|--|---|---|
| | | | Sabin | | | VDPV | | | Wild | | | 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 |
| | | | P1 | P2 | P3 | P1 | P2 | P3 | P1 | P2 | P3 | | | | | | |
| FIO | BRA | 2 | 2 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 6 | 67 | 83 | 100 |
| IEC | BRA | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | - | - | - |
| INDRE | MEX | 4 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 100 | 100 | 100 |
| INH | VEN | 1 | 0 | 0 | 1 | 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 | 0 | - | - | - |
| MAL | ARG | 16 | 5 | 12 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 16 | 100 | 100 | 100 |
| Total | | 26 | 9 | 17 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 27 | 27 | 93 | 96 | 100 |