



Acute Flaccid Paralysis Surveillance in the Americas

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Week ending 8 April 2017

Table No.1
Expected and reported AFP cases, 2017

| Sub Region | Country | Population <15 years* | Expected AFP cases | Reported AFP cases 2017/14 |
|--------------|---------|-----------------------|--------------------|----------------------------|
| AND | BOL | 3,488,083 | 35 | 8 |
| | COL | 11,622,602 | 116 | 41 |
| | ECU | 4,705,464 | 47 | ... |
| | PER | 8,786,980 | 88 | 9 |
| | VEN | 8,765,312 | 88 | 17 |
| BRA | BRA | 47,426,629 | 474 | 19 |
| CAP | CRI | 1,065,783 | 11 | 7 |
| | GTM | 6,032,750 | 60 | 4 |
| | HND | 3,221,178 | 32 | 14 |
| | NIC | 1,814,682 | 18 | 2 |
| | PAN | 1,073,291 | 11 | 4 |
| | SLV | 1,625,466 | 16 | 6 |
| CAR | CAR | 1,758,319 | 18 | 2 |
| LAC | CUB | 1,830,247 | 18 | 3 |
| | DOM | 3,155,763 | 32 | 1 |
| | HTI | 3,616,958 | 36 | 2 |
| MEX | MEX | 34,977,953 | 350 | 107 |
| NOA | CAN | 5,797,902 | 58 | 1 |
| | USA | 61,098,121 | NR | NR |
| SOC | ARG | 10,987,085 | 110 | 37 |
| | CHL | 3,603,758 | 36 | 16 |
| | PRY | 2,077,285 | 21 | 6 |
| | URY | 731,231 | 7 | ... |
| Total | | 229,262,842 | 1682 | 306 |

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

| Country | Total 2016 | Cumm. 2017 | Week | | | | | | | | | | |
|--------------|------------|------------|-----------|----------|----------|-----------|-----------|-----------|-----------|----------|----------|----------|----------|
| | | | 1-6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | | |
| BOL | 3 | 8 | 5 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 |
| COL | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 3 | 1 | 1 | 1 |
| ECU | 7 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| PER | 3 | 7 | 1 | 0 | 1 | 0 | 2 | 1 | 1 | 1 | 1 | 0 | 0 |
| VEN | 2 | 17 | 9 | 2 | 0 | 4 | 2 | 0 | 0 | 0 | 0 | ... | ... |
| BRA | 0 | 8 | 5 | 0 | 0 | 1 | 0 | 2 | 0 | ... | ... | ... | ... |
| CRI | 0 | 8 | 2 | 0 | 1 | 0 | 2 | 2 | 1 | 0 | ... | ... | ... |
| GTM | 14 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| HND | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NIC | 2 | 2 | 2 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| PAN | 3 | 4 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 |
| SLV | 9 | 6 | 2 | 0 | 0 | 0 | 1 | 2 | 1 | 0 | ... | ... | ... |
| CAR | 0 | 5 | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 |
| CUB | 17 | 3 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| DOM | 0 | 1 | 1 | 0 | 0 | ... | ... | ... | ... | ... | ... | ... | ... |
| HTI | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MEX | 31 | 8 | 3 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 2 | 2 |
| 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 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| CHL | 6 | 14 | 9 | 0 | 0 | 1 | 3 | 0 | 0 | 1 | 0 | 0 | 0 |
| PRY | 0 | 7 | 5 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 |
| URY | 3 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Total | 103 | 114 | 52 | 4 | 3 | 10 | 12 | 13 | 10 | 5 | 5 | 5 | 5 |

*As reported by countries NR - No reporting ... - No data

Table No.3 Confirmed and compatible polio cases, and AFP surveillance indicators, 2017 and 2016

| Sub Region | Country | Polio 2017 | | AFP Cases and indicators, last 52 weeks (2016/15 - 2017/14) | | | | | Polio 2016 | | AFP Cases and indicators, 2016 (2016/1 - 2016/52) | | | | |
|---------------------------|---------|------------|------------|---|-------------|-----------------|----------------|-------------------|------------|------------|---|-------------|-----------------|----------------|-------------------|
| | | 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 | 24 | 0.69 | 92 | 83 | ... | 0 | 0 | 24 | 0.69 | 92 | 79 | 79 |
| | COL | 0 | 0 | 163 | 1.40 | 77 | 83 | 94 | 0 | 0 | 185 | 1.59 | 76 | 83 | 93 |
| | ECU | 0 | 0 | 17 | 0.36 | 100 | 82 | ... | 0 | 0 | 25 | 0.53 | 100 | 84 | ... |
| | PER | 0 | 0 | 52 | 0.59 | 77 | 75 | 74 | 0 | 0 | 56 | 0.64 | 80 | 75 | 70 |
| | VEN | 0 | 0 | 82 | 0.94 | 91 | 73 | 84 | 0 | 0 | 113 | 1.29 | 88 | 78 | 84 |
| BRA | BRA | 0 | 0 | 347 | 0.73 | 99 | 67 | 92 | 0 | 0 | 500 | 1.05 | 99 | 64 | 93 |
| CAP | CRI | 0 | 0 | 30 | 2.81 | 53 | 87 | ... | 0 | 0 | 31 | 2.91 | 55 | 90 | ... |
| | GTM | 0 | 0 | 25 | 0.41 | ... | 60 | 77 | 0 | 0 | 30 | 0.50 | ... | 67 | 77 |
| | HND | 0 | 0 | 64 | 1.99 | 41 | 86 | 90 | 0 | 0 | 65 | 2.02 | 49 | 83 | 90 |
| | NIC | 0 | 0 | 18 | 0.99 | 94 | 100 | 97 | 0 | 0 | 26 | 1.43 | 88 | 100 | 100 |
| | PAN | 0 | 0 | 19 | 1.77 | 74 | 89 | 77 | 0 | 0 | 17 | 1.58 | 76 | 88 | 80 |
| | SLV | 0 | 0 | 39 | 2.40 | 31 | 74 | 42 | 0 | 0 | 47 | 2.89 | 38 | 72 | 36 |
| CAR | CAR | 0 | 0 | 21 | 1.19 | 95 | 24 | 85 | 0 | 0 | 24 | 1.36 | 92 | 21 | 86 |
| LAC | CUB | 0 | 0 | 17 | 0.93 | 100 | 94 | 100 | 0 | 0 | 17 | 0.93 | 100 | 88 | 100 |
| | DOM | 0 | 0 | 31 | 0.98 | 6 | 84 | ... | 0 | 0 | 33 | 1.05 | 6 | 82 | ... |
| | HTI | 0 | 0 | 15 | 0.41 | 73 | 60 | 78 | 0 | 0 | 14 | 0.39 | 71 | 50 | 78 |
| MEX | MEX | 0 | 0 | 564 | 1.61 | 98 | 71 | ... | 0 | 0 | 584 | 1.67 | 98 | 73 | ... |
| NOA | CAN | 0 | 0 | 32 | 0.55 | ... | 34 | ... | 0 | 0 | 36 | 0.62 | ... | 33 | ... |
| | USA | 0 | 0 | NR | NR | NR | NR | NR | 0 | 0 | NR | NR | NR | NR | NR |
| SOC | ARG | 0 | 0 | 198 | 1.80 | 42 | 73 | 85 | 0 | 0 | 207 | 1.88 | 41 | 71 | 85 |
| | CHL | 0 | 0 | 69 | 1.91 | 70 | 65 | ... | 0 | 0 | 75 | 2.08 | 80 | 71 | ... |
| | PRY | 0 | 0 | 32 | 1.54 | 88 | 88 | 83 | 0 | 0 | 29 | 1.40 | 93 | 86 | 80 |
| | URY | 0 | 0 | 5 | 0.68 | 100 | 60 | ... | 0 | 0 | 5 | 0.68 | 100 | 60 | ... |
| Total [§] | | 0 | 0 | 1864 | 1.11 | 79 | 72 | - | 0 | 0 | 2143 | 1.27 | 81 | 72 | - |

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

... - No data
NR - No reporting

CAR includes reports from all CARPHA 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 2016/15 - 2017/14

| Lab. | Country | Number of specimens from AFP cases | Virus Isolation Test | | | | | | | | | | | Timing of isolation results | | |
|----------------|---------|------------------------------------|----------------------|-------------------|-------------------|-----------------|-------------------|-----------|-------------|----------|------------|-------------------------------|------------------------------|-------------------------------------|---------------------|----|
| | | | Pending results | | | With results | | | | | | % Positive specimens for NPEV | 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 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 2 | 2 | 50 |
| | DOM | 31 | 1 | 0 | 0 | 0 | 0 | 2 | 28 | 0 | 0 | 7 | 30 | 30 | 100 | |
| | HND | 64 | 0 | 0 | 1 | 0 | 0 | 6 | 57 | 0 | 0 | 10 | 63 | 63 | 97 | |
| | HTI | 14 | 2 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 12 | 12 | 92 | |
| | JAM | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 5 | 5 | 100 | |
| | NIC | 18 | 3 | 0 | 0 | 0 | 0 | 2 | 13 | 0 | 0 | 13 | 15 | 15 | 100 | |
| | PAN | 18 | 6 | 0 | 0 | 0 | 0 | 3 | 9 | 0 | 0 | 25 | 12 | 12 | 100 | |
| | TTO | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 100 | |
| CDC | GTM | 21 | 12 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 9 | 8 | 0 | |
| | PRY | 31 | 5 | 0 | 0 | 0 | 0 | 0 | 26 | 0 | 0 | 0 | 26 | 26 | 88 | |
| | SLV | 32 | 0 | 0 | 2 | 0 | 0 | 0 | 30 | 0 | 0 | 0 | 30 | 30 | 0 | |
| FIO | BRA | 244 | 12 | 0 | 4 | 0 | 0 | 5 | 223 | 0 | 0 | 2 | 228 | 227 | 63 | |
| | PER | 36 | 0 | 0 | 0 | 0 | 0 | 0 | 36 | 0 | 0 | 0 | 36 | 31 | 29 | |
| IEC | BRA | 58 | 4 | 0 | 0 | 0 | 0 | 2 | 52 | 0 | 0 | 4 | 54 | 54 | 74 | |
| INDRE | MEX | 439 | 1 | 15 | 15 | 3 | 0 | 31 | 377 | 0 | 0 | 8 | 411 | 411 | 100 | |
| INH | VEN | 74 | 7 | 0 | 11 | 1 | 0 | 2 | 53 | 0 | 0 | 5 | 55 | 55 | 75 | |
| INS | COL | 155 | 0 | 6 | 2 | 0 | 0 | 16 | 131 | 0 | 0 | 11 | 147 | 147 | 99 | |
| | CRI | 42 | 0 | 3 | 4 | 0 | 0 | 3 | 32 | 0 | 0 | 9 | 35 | 35 | 97 | |
| | ECU | 17 | 3 | 0 | 0 | 0 | 0 | 1 | 13 | 0 | 0 | 7 | 14 | 14 | 29 | |
| INS | PER | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| IPK | CUB | 16 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| ISP | CHL | 55 | 0 | 0 | 0 | 0 | 0 | 5 | 50 | 0 | 0 | 9 | 55 | 55 | 93 | |
| MAL | ARG | 190 | 0 | 0 | 4 | 3 | 0 | 19 | 164 | 0 | 0 | 12 | 186 | 181 | 76 | |
| | BOL | 24 | 11 | 0 | 0 | 0 | 0 | 1 | 12 | 0 | 0 | 8 | 13 | 13 | 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 | |
| | CAN | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 0 | 0 | 14 | 0 | 0 | |
| | HND | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | PER | 6 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | VEN | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Total | | 1614 | 92 | 24 | 44 | 7 | 0 | 99 | 1351 | 0 | 0 | 7 | 1456 | 1430 | 83 | |

... 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 2016/15 - 2017/14

| 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 | | | | | | |
| INDRE | MEX | 3 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 100 | 100 | 100 |
| INH | VEN | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 100 | 100 | 100 |
| INS | COL | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 100 | 100 | 100 |
| MAL | ARG | 3 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 100 | 100 | 100 |
| Total | | 7 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 8 | 100 | 100 | 100 |