



Acute Flaccid Paralysis Surveillance in the Americas

Vol. 34, No. 19

Week ending 11 May 2019

Table No.1

Expected and reported AFP cases, 2019

| Sub Region | Country | Population <15 years* | Expected AFP cases | Reported AFP cases 2019/19 |
|--------------|-----------|-----------------------|--------------------|----------------------------|
| AND | BOL | 3,488,083 | 35 | 4 |
| | COL | 11,622,602 | 116 | 31 |
| | ECU | 4,705,464 | 47 | 0 |
| | PER | 8,786,980 | 88 | 21 |
| | VEN | 8,765,312 | 88 | 0 |
| BRA | BRA | 47,426,629 | 474 | 52 |
| CAP | CRI | 1,065,783 | 11 | 1 |
| | GTM | 6,032,750 | 60 | 15 |
| | HND | 3,221,178 | 32 | 12 |
| | NIC | 1,814,682 | 18 | 12 |
| | PAN | 1,073,291 | 11 | 0 |
| SLV | 1,625,466 | 16 | 6 | |
| CAR | CAR | 1,758,319 | 18 | 1 |
| LAC | CUB | 1,830,247 | 18 | 6 |
| | DOM | 3,155,763 | 32 | 8 |
| | HTI | 3,616,958 | 36 | 1 |
| MEX | MEX | 34,977,953 | 350 | 215 |
| NOA | CAN | 5,797,902 | 58 | 0 |
| | USA | 61,098,121 | NR | NR |
| SOC | ARG | 10,987,085 | 110 | 38 |
| | CHL | 3,603,758 | 36 | 10 |
| | PRY | 2,077,285 | 21 | 7 |
| | URY | 731,231 | 7 | ... |
| Total | | 229,262,842 | 1682 | 440 |

Table No.2

AFP cases under investigation (All ages)

| Country | Total 2018 | Cumm. 2019 | Week | | | | | | | | | | |
|--------------|------------|------------|-----------|----------|----------|----------|----------|-----------|----------|----------|----------|----------|----------|
| | | | 1-11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | | |
| BOL | 1 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| COL | 0 | 2 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ECU | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PER | 13 | 13 | 7 | 1 | 1 | 1 | 0 | 2 | 1 | 0 | 0 | 0 | 0 |
| VEN | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ... |
| BRA | 0 | 17 | 15 | 2 | 0 | 0 | 0 | 0 | 0 | ... | ... | ... | ... |
| CRI | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GTM | 2 | 8 | 2 | 2 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| HND | 0 | 3 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| NIC | 0 | 7 | 3 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| PAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SLV | 1 | 6 | 3 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | ... |
| CAR | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| CUB | 0 | 6 | 2 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| DOM | 0 | 8 | 2 | 0 | 1 | 1 | 0 | 2 | 2 | 0 | 0 | 0 | 0 |
| HTI | 8 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MEX | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 0 | 0 |
| CAN | 0 | 0 | 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| USA | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| ARG | 0 | 29 | 23 | 2 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| CHL | 0 | 8 | 5 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 |
| PRY | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| URY | 2 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Total | 66 | 120 | 69 | 9 | 5 | 8 | 8 | 10 | 7 | 3 | 1 | 0 | 0 |

*As reported by countries

NR - No reporting

... - No data

Table No.3 Confirmed and compatible polio cases, and AFP surveillance indicators, 2019 and 2018

| Sub Region | Country | Polio 2019 | | AFP Cases and indicators, last 52 weeks (2018/20 - 2019/19) | | | | | Polio 2018 | | AFP Cases and indicators, 2018 (2018/1 - 2018/52) | | | | |
|----------------|---------|------------|------------|---|-------------|-----------------|----------------|-------------------|------------|------------|---|-------------|-----------------|----------------|-------------------|
| | | 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 | 29 | 0.82 | 86 | 72 | 0 | 0 | 0 | 46 | 1.32 | 96 | 80 | 0 |
| | COL | 0 | 0 | 148 | 1.27 | 55 | 87 | 96 | 0 | 0 | 168 | 1.45 | 51 | 85 | 96 |
| | ECU | 0 | 0 | 27 | 0.57 | 100 | 67 | 15 | 0 | 0 | 39 | 0.83 | 100 | 69 | 15 |
| | PER | 0 | 0 | 68 | 0.77 | 63 | 71 | 6 | 0 | 0 | 77 | 0.88 | 78 | 71 | 6 |
| | VEN | 0 | 0 | 57 | 0.65 | 98 | 54 | 0 | 0 | 0 | 76 | 0.87 | 99 | 58 | 0 |
| BRA | BRA | 0 | 0 | 366 | 0.77 | 97 | 65 | 92 | 0 | 1 | 501 | 1.06 | 98 | 65 | 90 |
| CAP | CRI | 0 | 0 | 12 | 1.13 | 42 | 100 | 0 | 0 | 0 | 16 | 1.50 | 50 | 100 | 0 |
| | GTM | 0 | 0 | 54 | 0.88 | 54 | 70 | 100 | 0 | 0 | 58 | 0.96 | 36 | 76 | 99 |
| | HND | 0 | 0 | 45 | 1.40 | 62 | 91 | 90 | 0 | 0 | 50 | 1.55 | 60 | 92 | 90 |
| | NIC | 0 | 0 | 23 | 1.27 | 100 | 100 | 100 | 0 | 0 | 19 | 1.05 | 100 | 100 | 100 |
| | PAN | 0 | 0 | 7 | 0.65 | 71 | 86 | 87 | 0 | 0 | 16 | 1.49 | 81 | 81 | 87 |
| SLV | 0 | 0 | 34 | 2.09 | 38 | 94 | 21 | 0 | 0 | 42 | 2.58 | 31 | 93 | 23 | |
| CAR | CAR | 0 | 0 | 4 | 0.23 | 75 | 100 | 91 | 0 | 0 | 4 | 0.23 | 50 | 75 | 89 |
| LAC | CUB | 0 | 0 | 23 | 1.26 | 70 | 96 | 100 | 0 | 0 | 27 | 1.48 | 81 | 96 | 100 |
| | DOM | 0 | 0 | 17 | 0.54 | 47 | 94 | 0 | 0 | 0 | 15 | 0.48 | 33 | 93 | 0 |
| | HTI | 0 | 0 | 5 | 0.14 | 80 | 20 | 86 | 0 | 0 | 9 | 0.25 | 89 | 22 | 84 |
| MEX | MEX | 0 | 0 | 715 | 2.04 | 100 | 88 | 93 | 0 | 0 | 705 | 2.02 | 99 | 90 | 56 |
| NOA | CAN | 0 | 0 | ... | ... | ... | ... | ... | 0 | 0 | 49 | ... | ... | ... | ... |
| | USA | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| SOC | ARG | 0 | 0 | 173 | 1.57 | 27 | 65 | 8 | 0 | 0 | 198 | 1.80 | 35 | 80 | 14 |
| | CHL | 0 | 0 | 50 | 1.39 | 56 | 62 | 79 | 0 | 0 | 64 | 1.78 | 70 | 61 | 79 |
| | PRY | 0 | 0 | 33 | 1.59 | 82 | 91 | 91 | 0 | 0 | 36 | 1.73 | 83 | 94 | 87 |
| | URY | 0 | 0 | 3 | 0.41 | 100 | -- | 0 | 0 | 0 | 4 | 0.55 | 100 | 0 | 0 |
| Total § | | 0 | 0 | 1893 | 1.13 | 81 | 78 | - | 0 | 1 | 2219 | 1.32 | 82 | 79 | - |

+ 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 2018/20 - 2019/19

| 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 | ATG | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | BLZ | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 100 |
| | DOM | 16 | 8 | 0 | 0 | 0 | 0 | 1 | 7 | 0 | 0 | 13 | 8 | 8 | 8 | 100 |
| | GUY | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 100 |
| | HTI | 5 | 1 | 0 | 1 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 3 | 3 | 3 | 33 |
| | NIC | 27 | 7 | 0 | 0 | 0 | 0 | 4 | 16 | 0 | 0 | 20 | 20 | 20 | 20 | 85 |
| | PAN | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 5 | 5 | 5 | 100 |
| | TTO | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 0 |
| CDC | CRI | 3 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 100 | 2 | 2 | 2 | 100 |
| | DOM | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| | GTM | 55 | 10 | 0 | 0 | 0 | 0 | 1 | 43 | 0 | 1 | 2 | 45 | 40 | 40 | 98 |
| | HND | 43 | 0 | 0 | 0 | 0 | 0 | 3 | 40 | 0 | 0 | 7 | 42 | 42 | 42 | 86 |
| | PAN | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 2 | 2 | 100 |
| | PRY | 34 | 2 | 0 | 0 | 0 | 0 | 1 | 31 | 0 | 0 | 3 | 32 | 31 | 31 | 100 |
| SLV | 34 | 0 | 0 | 8 | 0 | 0 | 0 | 26 | 0 | 0 | 0 | 26 | 26 | 26 | 0 | |
| FIO | BRA | 275 | 11 | 0 | 18 | 6 | 1 | 4 | 234 | 0 | 0 | 4 | 244 | 243 | 61 | 61 |
| | PER | 59 | 16 | 0 | 10 | 0 | 0 | 1 | 32 | 0 | 0 | 3 | 33 | 33 | 33 | 88 |
| IEC | BRA | 46 | 3 | 0 | 2 | 0 | 0 | 1 | 40 | 0 | 0 | 2 | 41 | 41 | 41 | 68 |
| INDRE | MEX | 659 | 3 | 16 | 5 | 4 | 0 | 58 | 577 | 0 | 0 | 10 | 639 | 637 | 91 | 91 |
| INH | VEN | 41 | 6 | 0 | 7 | 1 | 0 | 2 | 25 | 0 | 0 | 11 | 28 | 28 | 28 | 21 |
| INS | COL | 146 | 0 | 0 | 1 | 0 | 0 | 1 | 144 | 0 | 0 | 1 | 145 | 145 | 145 | 93 |
| | CRI | 20 | 0 | 0 | 6 | 0 | 0 | 0 | 14 | 0 | 0 | 0 | 14 | 14 | 14 | 50 |
| | ECU | 26 | 17 | 0 | 0 | 0 | 0 | 2 | 7 | 0 | 0 | 22 | 9 | 9 | 9 | 89 |
| IPK | CUB | 23 | 0 | 0 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ISP | CHL | 41 | 0 | 0 | 0 | 0 | 0 | 2 | 39 | 0 | 0 | 5 | 41 | 41 | 41 | 98 |
| MAL | ARG | 133 | 0 | 0 | 5 | 2 | 0 | 4 | 122 | 0 | 0 | 5 | 128 | 128 | 128 | 63 |
| | BOL | 25 | 9 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 0 | 0 | 16 | 1 | 1 | 100 |
| (no lab. name) | BRA | 1 | 1 | 0 | 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 | 0 |
| | PER | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | VEN | 4 | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 50 | 2 | 2 | 2 | 0 |
| Total | | 1735 | 104 | 16 | 87 | 13 | 1 | 88 | 1428 | 0 | 1 | 7 | 1529 | 1504 | 80 | 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 2018/20 - 2019/19

| 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 | 7 | 4 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 7 | 100 | 71 | 100 |
| IEC | BRA | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 100 | 100 | 100 |
| INDRE | MEX | 4 | 2 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 100 | 100 | 100 |
| INH | VEN | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 100 | 100 | 100 |
| MAL | ARG | 2 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 100 | 100 | 100 |
| Total | | 14 | 10 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 15 | 100 | 87 | 100 |