



Acute Flaccid Paralysis Surveillance in the Americas

Vol. 33, No. 40

Week ending 6 October 2018

Table No.1
Expected and reported AFP cases, 2018

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

| Sub Region | Country | Population <15 years* | Expected AFP cases | Reported AFP cases 2018/40 | Country | Total 2017 | Cumm. 2018 | Week | | | | | | | | |
|--------------|---------|-----------------------|--------------------|----------------------------|--------------|------------|------------|------------|----------|-----------|-----------|-----------|-----------|-----------|----------|----------|
| | | | | | | | | 1-32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| AND | BOL | 3,488,083 | 35 | 35 | BOL | 0 | 21 | 15 | 1 | 2 | 2 | 0 | 1 | 0 | 0 | 0 |
| | COL | 11,622,602 | 116 | 113 | COL | 0 | 6 | 4 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | ... |
| | ECU | 4,705,464 | 47 | 25 | ECU | 0 | 14 | 12 | 2 | ... | ... | ... | ... | ... | ... | ... |
| | PER | 8,786,980 | 88 | 52 | PER | 0 | 9 | 6 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| | VEN | 8,765,312 | 88 | 46 | VEN | 1 | 11 | 8 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| BRA | BRA | 47,426,629 | 474 | 262 | BRA | 0 | 72 | 61 | 1 | 2 | 3 | 1 | 4 | 0 | ... | ... |
| CAP | CRI | 1,065,783 | 11 | 12 | CRI | 0 | 9 | 6 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 |
| | GTM | 6,032,750 | 60 | 33 | GTM | 0 | 6 | 3 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 |
| | HND | 3,221,178 | 32 | 36 | HND | 0 | 6 | 0 | 0 | 1 | 1 | 1 | 2 | 1 | 0 | 0 |
| | NIC | 1,814,682 | 18 | 13 | NIC | 0 | 2 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | ... | ... |
| | PAN | 1,073,291 | 11 | 13 | PAN | 0 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| CAR | SLV | 1,625,466 | 16 | 36 | SLV | 0 | 11 | 6 | 0 | 0 | 0 | 1 | 1 | 2 | 1 | 0 |
| | CAR | 1,758,319 | 18 | 3 | CAR | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | CUB | 1,830,247 | 18 | 22 | CUB | 0 | 9 | 7 | 0 | 1 | 1 | 0 | 0 | ... | ... | |
| LAC | DOM | 3,155,763 | 32 | 13 | DOM | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | HTI | 3,616,958 | 36 | 8 | HTI | 0 | 5 | 3 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| | MEX | 34,977,953 | 350 | 492 | MEX | 0 | 27 | 10 | 1 | 1 | 0 | 1 | 4 | 4 | 2 | 4 |
| NOA | CAN | 5,797,902 | 58 | 0 | CAN | 0 | 0 | 0 | ... | ... | ... | ... | ... | ... | ... | ... |
| | USA | 61,098,121 | NR | NR | USA | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| SOC | ARG | 10,987,085 | 110 | 100 | ARG | 0 | 7 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ... |
| | CHL | 3,603,758 | 36 | 42 | CHL | 0 | 25 | 17 | 0 | 1 | 1 | 2 | 0 | 3 | 1 | 0 |
| | PRY | 2,077,285 | 21 | 25 | PRY | 0 | 10 | 5 | 0 | 0 | 1 | 2 | 1 | 1 | 0 | 0 |
| | URY | 731,231 | 7 | 0 | URY | 0 | 0 | 0 | ... | ... | ... | ... | ... | ... | ... | ... |
| Total | | 229,262,842 | 1682 | 1381 | Total | 1 | 261 | 180 | 9 | 11 | 13 | 11 | 14 | 13 | 6 | 4 |

*As reported by countries

NR - No reporting

... - No data

Table No.3 Confirmed and compatible polio cases, and AFP surveillance indicators, 2018 and 2017

| Sub Region | Country | Polio 2018 | | AFP Cases and indicators, last 52 weeks (2017/41 - 2018/40) | | | | | Polio 2017 | | AFP Cases and indicators, 2017 (2017/1 - 2017/52) | | | | |
|---------------------------|---------|------------|------------|---|-------------|-----------------|----------------|-------------------|------------|------------|---|-------------|-----------------|----------------|-------------------|
| | | 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 | 39 | 1.12 | 90 | 82 | ... | 0 | 0 | 14 | 0.40 | 21 | 79 | ... |
| | COL | 0 | 0 | 142 | 1.22 | 55 | 83 | 96 | 0 | 0 | 156 | 1.34 | 60 | 83 | 95 |
| | ECU | 0 | 0 | 30 | 0.64 | 100 | 73 | 15 | 0 | 0 | 38 | 0.81 | 97 | 84 | ... |
| | PER | 0 | 0 | 62 | 0.71 | 94 | 77 | 5 | 0 | 0 | 51 | 0.58 | 73 | 71 | 47 |
| | VEN | 0 | 0 | 58 | 0.66 | 97 | 57 | ... | 0 | 3 | 86 | 0.98 | 87 | 80 | 84 |
| BRA | BRA | 0 | 0 | 349 | 0.74 | 99 | 64 | 88 | 0 | 1 | 486 | 1.02 | 99 | 69 | 29 |
| CAP | CRI | 0 | 0 | 13 | 1.22 | 85 | 100 | ... | 0 | 0 | 27 | 2.53 | 78 | 89 | ... |
| | GTM | 0 | 0 | 42 | 0.70 | 12 | 71 | 96 | 0 | 0 | 44 | 0.73 | ... | 73 | 83 |
| | HND | 0 | 0 | 45 | 1.40 | 51 | 93 | 90 | 0 | 0 | 48 | 1.49 | 48 | 92 | 90 |
| | NIC | 0 | 0 | 19 | 1.05 | 100 | 95 | 100 | 0 | 0 | 19 | 1.05 | 74 | 95 | 99 |
| | PAN | 0 | 0 | 18 | 1.68 | 72 | 89 | 88 | 0 | 0 | 22 | 2.05 | 50 | 95 | 84 |
| CAR | SLV | 0 | 0 | 41 | 2.52 | 27 | 88 | 29 | 0 | 0 | 41 | 2.52 | 34 | 93 | 29 |
| | CAR | 0 | 0 | 3 | 0.17 | 33 | 67 | 83 | 0 | 0 | 6 | 0.34 | 83 | 100 | 72 |
| | CUB | 0 | 0 | 26 | 1.42 | 77 | 77 | 100 | 0 | 0 | 15 | 0.82 | ... | ... | 100 |
| LAC | DOM | 0 | 0 | 15 | 0.48 | 13 | 93 | ... | 0 | 0 | 15 | 0.48 | ... | 87 | ... |
| | HTI | 0 | 0 | 10 | 0.28 | 90 | 20 | 76 | 0 | 0 | 8 | 0.22 | 63 | 50 | 46 |
| MEX | MEX | 0 | 0 | 623 | 1.78 | 99 | 85 | 95 | 0 | 0 | 569 | 1.63 | 99 | 83 | ... |
| NOA | CAN | 0 | 0 | 0 | ... | ... | ... | ... | 0 | 0 | 19 | 0.33 | ... | 26 | ... |
| | USA | 0 | 0 | NR | NR | NR | NR | NR | | | NR | NR | NR | NR | NR |
| SOC | ARG | 0 | 0 | 151 | 1.37 | 53 | 79 | 87 | 0 | 0 | 205 | 1.87 | 42 | 79 | 81 |
| | CHL | 0 | 0 | 55 | 1.53 | 82 | 56 | 78 | 0 | 0 | 69 | 1.91 | 97 | 71 | 74 |
| | PRY | 0 | 0 | 33 | 1.59 | 97 | 94 | 92 | 0 | 0 | 30 | 1.44 | 87 | 93 | 89 |
| | URY | 0 | 0 | 1 | 0.14 | 100 | ... | ... | 0 | 0 | 4 | 0.55 | 100 | ... | ... |
| Total [§] | | 0 | 0 | 1775 | 1.06 | 84 | 78 | - | 0 | 4 | 1972 | 1.17 | 79 | 78 | - |

+ 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 2017/41 - 2018/40

| 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 | ATG | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | DOM | 15 | 5 | 0 | 0 | 0 | 0 | 0 | 1 | 9 | 0 | 0 | 10 | 10 | 10 | 100 |
| | GUY | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 100 |
| | HND | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 9 | 9 | 100 |
| | HTI | 10 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 6 | 4 | 25 |
| | NIC | 22 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 18 | 0 | 0 | 10 | 20 | 20 | 100 |
| | PAN | 19 | 3 | 0 | 0 | 1 | 0 | 0 | 1 | 14 | 0 | 0 | 7 | 15 | 15 | 93 |
| CDC | GTM | 42 | 5 | 0 | 1 | 1 | 0 | 2 | 32 | 0 | 1 | 8 | 36 | 12 | 0 | |
| | HND | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 0 | 0 | 0 | 30 | 27 | 100 | |
| | PRY | 33 | 10 | 0 | 0 | 0 | 0 | 2 | 21 | 0 | 0 | 9 | 23 | 23 | 70 | |
| | SLV | 39 | 0 | 0 | 4 | 0 | 0 | 0 | 35 | 0 | 0 | 0 | 35 | 35 | 0 | |
| FIO | BRA | 227 | 12 | 0 | 14 | 2 | 1 | 2 | 195 | 0 | 0 | 2 | 199 | 199 | 52 | |
| | PER | 47 | 7 | 0 | 1 | 0 | 0 | 2 | 37 | 0 | 0 | 5 | 39 | 39 | 49 | |
| IEC | BRA | 51 | 5 | 0 | 2 | 0 | 0 | 5 | 39 | 0 | 0 | 11 | 44 | 44 | 75 | |
| INDRE | MEX | 554 | 3 | 27 | 1 | 1 | 0 | 38 | 485 | 0 | 0 | 7 | 524 | 524 | 99 | |
| INH | VEN | 53 | 4 | 0 | 3 | 3 | 0 | 5 | 38 | 0 | 0 | 17 | 46 | 45 | 44 | |
| INS | COL | 141 | 0 | 0 | 2 | 0 | 0 | 2 | 137 | 0 | 0 | 1 | 139 | 139 | 93 | |
| | CRI | 22 | 6 | 2 | 4 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 10 | 10 | 10 | |
| | ECU | 28 | 12 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 0 | 0 | 16 | 16 | 100 | |
| IPK | CUB | 20 | 5 | 0 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| ISP | CHL | 42 | 0 | 0 | 0 | 0 | 0 | 3 | 39 | 0 | 0 | 7 | 42 | 42 | 95 | |
| MAL | ARG | 135 | 0 | 0 | 1 | 1 | 0 | 8 | 125 | 0 | 0 | 7 | 134 | 131 | 80 | |
| | BOL | 39 | 21 | 0 | 0 | 0 | 0 | 2 | 16 | 0 | 0 | 11 | 18 | 18 | 100 | |
| (no lab. name) | ECU | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | HND | 8 | 6 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | |
| | PER | 8 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Total | | 1600 | 121 | 29 | 51 | 8 | 1 | 75 | 1313 | 0 | 1 | 6 | 1397 | 1363 | 81 | |

... 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 2017/41 - 2018/40

| 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 | | | | | | |
| CDC | GTM | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 100 | 100 | 100 |
| FIO | BRA | 3 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 100 | 100 | 100 |
| INDRE | MEX | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 100 | 100 | 100 |
| INH | VEN | 3 | 1 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 100 | 100 | 100 |
| MAL | ARG | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | - | - | - |
| Total | | 9 | 4 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 7 | 100 | 100 | 100 |