



## Acute Flaccid Paralysis Surveillance in the Americas

Vol. 31, No. 47

Week ending 26 November 2016

**Table No.1**  
Expected and reported AFP cases, 2016

| Sub Region   | Country | Population <15 years* | Expected AFP cases | Reported AFP cases 2016/47 |
|--------------|---------|-----------------------|--------------------|----------------------------|
| AND          | BOL     | 3,488,083             | 35                 | 22                         |
|              | COL     | 11,622,602            | 116                | 173                        |
|              | ECU     | 4,705,464             | 47                 | 25                         |
|              | PER     | 8,786,980             | 88                 | 44                         |
|              | VEN     | 8,765,312             | 88                 | 109                        |
| BRA          | BRA     | 47,426,629            | 474                | 237                        |
| CAP          | CRI     | 1,065,783             | 11                 | 23                         |
|              | GTM     | 6,032,750             | 60                 | 20                         |
|              | HND     | 3,221,178             | 32                 | 60                         |
|              | NIC     | 1,814,682             | 18                 | 25                         |
|              | PAN     | 1,073,291             | 11                 | 14                         |
| SLV          | SLV     | 1,625,466             | 16                 | 39                         |
|              | CAR     | CAR                   | 1,758,319          | 18                         |
| LAC          | CUB     | 1,830,247             | 18                 | 1                          |
|              | DOM     | 3,155,763             | 32                 | 25                         |
|              | HTI     | 3,616,958             | 36                 | 11                         |
| MEX          | MEX     | 34,977,953            | 350                | 528                        |
| NOA          | CAN     | 5,797,902             | 58                 | 19                         |
|              | USA     | 61,098,121            | NR                 | NR                         |
| SOC          | ARG     | 10,987,085            | 110                | 181                        |
|              | CHL     | 3,603,758             | 36                 | 66                         |
|              | PRY     | 1,998,950             | 20                 | 28                         |
|              | URY     | 731,231               | 7                  | 5                          |
| <b>Total</b> |         | <b>229,184,507</b>    | <b>1681</b>        | <b>1679</b>                |

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

| Country      | Total 2015 | Cumm. 2016 | Week       |           |           |           |           |           |           |          |          |            |            |
|--------------|------------|------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|----------|----------|------------|------------|
|              |            |            | 1-39       | 40        | 41        | 42        | 43        | 44        | 45        | 46       | 47       |            |            |
| BOL          | 1          | 19         | 19         | 0         | 0         | 0         | 0         | 0         | 0         | 0        | 0        | 0          | 0          |
| COL          | 0          | 14         | 5          | 0         | 1         | 0         | 1         | 1         | 1         | 1        | 4        | 1          | ...        |
| ECU          | 0          | 7          | 6          | 1         | 0         | 0         | 0         | 0         | 0         | 0        | ...      | ...        | ...        |
| PER          | 0          | 7          | 4          | 0         | 0         | 0         | 2         | 0         | 1         | 0        | 0        | 0          | ...        |
| VEN          | 0          | 6          | 4          | 0         | 0         | 0         | 0         | 0         | 1         | 1        | 0        | 0          | ...        |
| BRA          | 0          | 69         | 69         | ...       | ...       | ...       | ...       | ...       | ...       | ...      | ...      | ...        | ...        |
| CRI          | 0          | 4          | 2          | 1         | 1         | 0         | 0         | 0         | 0         | 0        | ...      | ...        | ...        |
| GTM          | 0          | 12         | 12         | 0         | 0         | 0         | 0         | 0         | 0         | 0        | 0        | 0          | ...        |
| HND          | 0          | 12         | 3          | 1         | 3         | 1         | 2         | 2         | 0         | 0        | 0        | 0          | ...        |
| NIC          | 0          | 6          | 3          | 0         | 1         | 1         | 1         | 0         | 0         | ...      | ...      | ...        | ...        |
| PAN          | 0          | 14         | 12         | 0         | 0         | 0         | 1         | 0         | 1         | 0        | 0        | 0          | ...        |
| SLV          | 3          | 23         | 21         | 1         | 0         | 0         | 1         | 0         | 0         | 0        | 0        | 0          | ...        |
| CAR          | 0          | 47         | 47         | 0         | 0         | 0         | 0         | 0         | 0         | 0        | 0        | 0          | ...        |
| CUB          | 1          | 1          | 1          | ...       | ...       | ...       | ...       | ...       | ...       | ...      | ...      | ...        | ...        |
| DOM          | 0          | 0          | 0          | ...       | ...       | ...       | ...       | ...       | ...       | ...      | ...      | ...        | ...        |
| HTI          | 0          | 3          | 2          | 0         | 0         | 1         | 0         | 0         | 0         | 0        | 0        | 0          | ...        |
| MEX          | 0          | 55         | 19         | 5         | 3         | 4         | 5         | 7         | 10        | 2        | 0        | 0          | ...        |
| 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          | 0          | 4          | 1          | 0         | 0         | 1         | 0         | 2         | 0         | 0        | 0        | 0          | ...        |
| CHL          | 0          | 40         | 32         | 2         | 3         | 1         | 1         | 0         | 0         | 1        | 0        | 0          | ...        |
| PRY          | 0          | 13         | 3          | 3         | 0         | 3         | 0         | 3         | 0         | 1        | 0        | 0          | ...        |
| URY          | 0          | 3          | 2          | 0         | 0         | 0         | 0         | 0         | 1         | ...      | ...      | ...        | ...        |
| <b>Total</b> | <b>5</b>   | <b>359</b> | <b>267</b> | <b>14</b> | <b>12</b> | <b>12</b> | <b>14</b> | <b>15</b> | <b>15</b> | <b>9</b> | <b>1</b> | <b>...</b> | <b>...</b> |

\*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 (2015/48 - 2016/47) |             |                 |                |                   | 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          | 185   | 1.44        | 75              | 81             | 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          | 54  | 0.61        | 61              | 74             | ...               | 0          | 0          | 75  | 0.86        | 75              | 68             | ...               |
|                           | VEN     | 0          | 0          | 115   | 1.31        | 88              | 79             | 81                | 0          | 0          | 91  | 1.10        | 81              | 75             | 27                |
| BRA                       | BRA     | 0          | 0          | 276   | 0.58        | 99              | 67             | 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          | 24  | 0.37        | ...             | 71             | 77                | 0          | 0          | 25  | 0.39        | ...             | 60             | 80                |
|                           | HND     | 0          | 0          | 65  | 2.34        | 45              | 83             | 90                | 0          | 0          | 63  | 0.02        | 32              | 83             | 89                |
|                           | NIC     | 0          | 0          | 28  | 1.39        | 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          | 43         | 2.38  | 33          | 77              | 44             | 0                 | 0          | 31         | 1.72  | 29          | 90              | 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          | 25  | 0.79        | 8               | 80             | ...               | 0          | 0          | 14  | 0.48        | 14              | 93             | ...               |
|                           | HTI     | 0          | 0          | 11  | 0.30        | 82              | 55             | 76                | 0          | 0          | 12  | 0.33        | 83              | 67             | 55                |
| MEX                       | MEX     | 0          | 0          | 565   | 1.62        | 98              | 70             | ...               | 0          | 0          | 533   | 1.59        | 99              | 81             | ...               |
| NOA                       | CAN     | 0          | 0          | 20  | 0.34        | ...             | 15             | ...               | 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          | 197   | 1.79        | 40              | 71             | 84                | 0          | 0          | 217   | 2.00        | 64              | 82             | 88                |
|                           | CHL     | 0          | 0          | 74  | 2.02        | 82              | 72             | ...               | 0          | 0          | 70  | 1.91        | 89              | 60             | ...               |
|                           | PRY     | 0          | 0          | 29  | 1.33        | 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             | ...               |
| <b>Total</b> <sup>§</sup> |         | <b>0</b>   | <b>0</b>   | <b>1833</b>   | <b>1.09</b> | <b>79</b>       | <b>72</b>      | <b>-</b>          | <b>0</b>   | <b>0</b>   | <b>1937</b>                                       | <b>1.15</b> | <b>82</b>       | <b>77</b>      | <b>-</b>          |

+ 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 2015/48 - 2016/47**

| Lab.           | Country | Number of specimens from AFP cases | Virus Isolation Test |                   |                   |                 |                   |           |             |          |            |                               |             | Total specimens with results | Total with reception & result dates | % Results ≤ 14 days |
|----------------|---------|------------------------------------|----------------------|-------------------|-------------------|-----------------|-------------------|-----------|-------------|----------|------------|-------------------------------|-------------|------------------------------|-------------------------------------|---------------------|
|                |         |                                    | Pending results      |                   |                   | With results    |                   |           |             |          |            | % Positive specimens for NPEV |             |                              |                                     |                     |
|                |         |                                    | 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     | 25                                 | 0                    | 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     | 54                                 | 0                    | 0                 | 0                 | 0               | 0                 | 5         | 49          | 0        | 0          | 9                             | 54          | 54                           | 70                                  |                     |
|                | HTI     | 11                                 | 3                    | 0                 | 0                 | 0               | 0                 | 0         | 8           | 0        | 0          | 0                             | 8           | 7                            | 86                                  |                     |
|                | JAM     | 5                                  | 1                    | 0                 | 0                 | 0               | 0                 | 0         | 4           | 0        | 0          | 0                             | 4           | 4                            | 100                                 |                     |
|                | NIC     | 27                                 | 5                    | 0                 | 0                 | 0               | 0                 | 0         | 22          | 0        | 0          | 0                             | 22          | 22                           | 91                                  |                     |
|                | 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     | 23                                 | 12                   | 0                 | 0                 | 0               | 0                 | 0         | 11          | 0        | 0          | 0                             | 11          | 7                            | 0                                   |                     |
|                | PRY     | 28                                 | 12                   | 0                 | 0                 | 0               | 0                 | 0         | 16          | 0        | 0          | 0                             | 16          | 16                           | 81                                  |                     |
|                | SLV     | 37                                 | 0                    | 0                 | 9                 | 0               | 0                 | 0         | 29          | 0        | 0          | 0                             | 29          | 29                           | 0                                   |                     |
| FIO            | BRA     | 200                                | 14                   | 0                 | 5                 | 1               | 0                 | 4         | 176         | 0        | 0          | 3                             | 181         | 178                          | 77                                  |                     |
|                | PER     | 41                                 | 2                    | 0                 | 4                 | 0               | 0                 | 0         | 35          | 0        | 0          | 0                             | 35          | 35                           | 51                                  |                     |
| IEC            | BRA     | 34                                 | 4                    | 0                 | 1                 | 1               | 0                 | 1         | 27          | 0        | 0          | 7                             | 29          | 26                           | 69                                  |                     |
| INDRE          | MEX     | 447                                | 3                    | 0                 | 24                | 4               | 0                 | 34        | 386         | 0        | 0          | 9                             | 424         | 424                          | 100                                 |                     |
| INH            | VEN     | 106                                | 2                    | 0                 | 13                | 2               | 0                 | 3         | 86          | 0        | 0          | 5                             | 90          | 90                           | 68                                  |                     |
| INS            | COL     | 174                                | 2                    | 5                 | 1                 | 0               | 0                 | 12        | 154         | 0        | 0          | 7                             | 166         | 166                          | 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            | ARG     | 1                                  | 0                    | 0                 | 0                 | 0               | 0                 | 0         | 1           | 0        | 0          | 0                             | 1           | 1                            | 100                                 |                     |
|                | CHL     | 63                                 | 0                    | 0                 | 0                 | 0               | 0                 | 5         | 58          | 0        | 0          | 8                             | 63          | 63                           | 89                                  |                     |
| MAL            | ARG     | 183                                | 0                    | 0                 | 9                 | 6               | 0                 | 24        | 144         | 0        | 0          | 17                            | 174         | 171                          | 76                                  |                     |
|                | BOL     | 27                                 | 19                   | 0                 | 2                 | 0               | 0                 | 1         | 5           | 0        | 0          | 17                            | 6           | 6                            | 100                                 |                     |
|                | URY     | 3                                  | 1                    | 0                 | 0                 | 0               | 0                 | 1         | 1           | 0        | 0          | 50                            | 2           | 2                            | 0                                   |                     |
| (no lab. name) | BRA     | 2                                  | 2                    | 0                 | 0                 | 0               | 0                 | 0         | 0           | 0        | 0          | 0                             | 0           | 0                            | 0                                   |                     |
|                | CAN     | 5                                  | 0                    | 0                 | 0                 | 0               | 0                 | 0         | 5           | 0        | 0          | 0                             | 5           | 0                            | 0                                   |                     |
|                | HND     | 12                                 | 12                   | 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            | 10      | 4                                  | 0                    | 0                 | 0                 | 0               | 0                 | 0         | 6           | 0        | 0          | 6                             | 6           | 83                           |                                     |                     |
| <b>Total</b>   |         | <b>1607</b>                        | <b>117</b>           | <b>5</b>          | <b>72</b>         | <b>14</b>       | <b>0</b>          | <b>94</b> | <b>1310</b> | <b>0</b> | <b>0</b>   | <b>8</b>                      | <b>1417</b> | <b>1397</b>                  | <b>84</b>                           |                     |

... 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 2015/48 - 2016/47**

| Lab.         | Country | Number of poliovirus isolated | Poliovirus Intratypic Differentiation Results |          |           |          |          |          |          |          |          | 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 |
|--------------|---------|-------------------------------|---|----------|-----------|----------|----------|----------|----------|----------|----------|---------------------|--------------------------------------|---|--|---|---|
|              |         |                               | Sabin   |          |           | VDPV     |          |          | Wild     |          |          |                     |                                      |   |  |   |   |
|              |         |                               | 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                                    | 1   | 100  | 100   | 100   |
| MAL          | ARG     | 6                             | 0   | 3        | 5         | 0        | 0        | 0        | 0        | 0        | 0        | 0                   | 6                                    | 6   | 100  | 100   | 100   |
|              | BOL     | 0                             | 2   | 0        | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0                   | 2                                    | 2   | 100  | 0   | 0   |
| <b>Total</b> |         | <b>14</b>                     | <b>4</b>                                      | <b>7</b> | <b>10</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>1</b>            | <b>15</b>                            | <b>15</b>   | <b>93</b>  | <b>87</b>                                     | <b>87</b>                                     |