



## Acute Flaccid Paralysis Surveillance in the Americas

Vol. 31, No. 31

Week ending 6 August 2016

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

| Sub Region   | Country | Population <15 years* | Expected AFP cases | Reported AFP cases 2016/31 |
|--------------|---------|-----------------------|--------------------|----------------------------|
| AND          | BOL     | 3,830,147             | 38                 | 13                         |
|              | COL     | 12,900,000            | 129                | 125                        |
|              | ECU     | 4,982,359             | 50                 | 16                         |
|              | PER     | 9,308,490             | 93                 | 29                         |
|              | VEN     | 8,569,000             | 86                 | 79                         |
| BRA          | BRA     | 47,062,224            | 471                | 137                        |
| CAP          | CRI     | 1,121,000             | 11                 | 13                         |
|              | GTM     | 4,229,000             | 42                 | 11                         |
|              | HND     | 3,155,746             | 32                 | 42                         |
|              | NIC     | 2,019,000             | 20                 | 13                         |
|              | PAN     | 1,087,657             | 11                 | 7                          |
|              | SLV     | 1,827,000             | 18                 | 24                         |
| CAR          | CAR     | 2,019,000             | 20                 | 21                         |
| LAC          | CUB     | 1,929,000             | 19                 | 1                          |
|              | DOM     | 3,023,000             | 30                 | 0                          |
|              | HTI     | 3,919,255             | 39                 | 5                          |
| MEX          | MEX     | 34,583,967            | 346                | 297                        |
| NOA          | CAN     | 5,645,000             | 56                 | 1                          |
|              | USA     | 60,921,000            | NR                 | NR                         |
| SOC          | ARG     | 10,165,000            | 102                | 115                        |
|              | CHL     | 3,863,000             | 39                 | 37                         |
|              | PRY     | 2,181,224             | 22                 | 9                          |
|              | URY     | 772,000               | 8                  | 2                          |
| <b>Total</b> |         | <b>229,113,069</b>    | <b>1682</b>        | <b>997</b>                 |

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

| Country      | Total 2015 | Cumm. 2016 | Week       |           |           |           |           |           |           |           |          |     |  |
|--------------|------------|------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|-----|--|
|              |            |            | 1-23       | 24        | 25        | 26        | 27        | 28        | 29        | 30        | 31       |     |  |
| BOL          | 9          | 13         | 13         | 0         | 0         | 0         | 0         | ...       | ...       | ...       | ...      | ... |  |
| COL          | 0          | 13         | 1          | 0         | 0         | 1         | 1         | 1         | 6         | 3         | 0        | ... |  |
| ECU          | 0          | 14         | 14         | 0         | 0         | ...       | ...       | ...       | ...       | ...       | ...      | ... |  |
| PER          | 1          | 9          | 5          | 0         | 2         | 2         | 0         | 0         | 0         | 0         | 0        | ... |  |
| VEN          | 0          | 59         | 46         | 6         | 1         | 3         | 1         | 2         | 0         | 0         | 0        | ... |  |
| BRA          | 0          | 55         | 51         | 1         | 2         | 1         | 0         | ...       | ...       | ...       | ...      | ... |  |
| CRI          | 0          | 5          | 2          | 0         | 0         | 1         | 1         | 1         | 0         | 0         | ...      | ... |  |
| GTM          | 0          | 3          | 3          | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0        | ... |  |
| HND          | 0          | 21         | 7          | 0         | 0         | 2         | 4         | 2         | 3         | 2         | 1        | ... |  |
| NIC          | 0          | 4          | 4          | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0        | ... |  |
| PAN          | 5          | 7          | 6          | 0         | 1         | 0         | 0         | 0         | 0         | 0         | ...      | ... |  |
| SLV          | 5          | 16         | 10         | 1         | 1         | 1         | 2         | 1         | 0         | ...       | ...      | ... |  |
| CAR          | 0          | 81         | 41         | 8         | 7         | 5         | 5         | 4         | 6         | 2         | 3        | ... |  |
| CUB          | 1          | 1          | 1          | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...      | ... |  |
| DOM          | 0          | 0          | 0          | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...      | ... |  |
| HTI          | 0          | 3          | 3          | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0        | ... |  |
| MEX          | 0          | 35         | 9          | 0         | 1         | 3         | 4         | 5         | 7         | 4         | 2        | ... |  |
| CAN          | 0          | 0          | 0          | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0        | ... |  |
| USA          | NR         | NR         | NR         | NR        | NR        | NR        | NR        | NR        | NR        | NR        | NR       | ... |  |
| ARG          | 1          | 22         | 11         | 1         | 3         | 2         | 1         | 2         | 2         | 0         | 0        | ... |  |
| CHL          | 1          | 22         | 19         | 0         | 0         | 1         | 1         | 1         | 0         | 0         | 0        | ... |  |
| PRY          | 0          | 5          | 1          | 1         | 2         | 0         | 1         | 0         | 0         | 0         | 0        | ... |  |
| URY          | 0          | 2          | 2          | 0         | 0         | 0         | 0         | ...       | ...       | ...       | ...      | ... |  |
| <b>Total</b> | <b>23</b>  | <b>390</b> | <b>249</b> | <b>18</b> | <b>20</b> | <b>22</b> | <b>21</b> | <b>19</b> | <b>24</b> | <b>11</b> | <b>6</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 (2015/32 - 2016/31) |             |                 |                |                   | 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          | 28  | 0.73        | 93              | 89             | 82                | 0          | 0          | 35  | 0.91        | 89              | 94             | 83                |
|                | COL     | 0          | 0          | 180   | 1.40        | 76              | 80             | 93                | 0          | 0          | 147   | 1.14        | 71              | 78             | 92                |
|                | ECU     | 0          | 0          | 23  | 0.46        | 78              | 87             | ...               | 0          | 0          | 24  | 0.48        | 54              | 96             | ...               |
|                | PER     | 0          | 0          | 60  | 0.64        | 57              | 73             | ...               | 0          | 0          | 75  | 0.81        | 75              | 68             | ...               |
|                | VEN     | 0          | 0          | 105   | 1.23        | 82              | 73             | 60                | 0          | 0          | 90  | 1.05        | 82              | 76             | 27                |
| BRA            | BRA     | 0          | 0          | 321   | 0.68        | 98              | 68             | 86                | 0          | 0          | 485   | 1.03        | 97              | 71             | ...               |
| CAP            | CRI     | 0          | 0          | 21  | 1.87        | 52              | 95             | ...               | 0          | 0          | 22  | 1.96        | 36              | 95             | ...               |
|                | GTM     | 0          | 0          | 24  | 0.57        | ...             | 67             | 79                | 0          | 0          | 25  | 0.59        | ...             | 60             | 80                |
|                | HND     | 0          | 0          | 55  | 1.74        | 40              | 84             | 90                | 0          | 0          | 63  | 2.00        | 32              | 83             | 89                |
|                | NIC     | 0          | 0          | 25  | 1.24        | 84              | 100            | 100               | 0          | 0          | 20  | 0.99        | 90              | 95             | 100               |
|                | PAN     | 0          | 0          | 12  | 1.10        | 83              | 83             | 84                | 0          | 0          | 14  | 1.29        | 86              | 86             | 84                |
|                | SLV     | 0          | 0          | 36  | 1.97        | 42              | 64             | 49                | 0          | 0          | 31  | 1.70        | 29              | 90             | 47                |
| CAR            | CAR     | 0          | 0          | 23  | 1.14        | 91              | 22             | 88                | 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          | 8   | 0.26        | 25              | 100            | ...               | 0          | 0          | 14  | 0.46        | 14              | 93             | ...               |
|                | HTI     | 0          | 0          | 8   | 0.20        | 75              | 63             | 69                | 0          | 0          | 12  | 0.31        | 75              | 67             | 55                |
| MEX            | MEX     | 0          | 0          | 493   | 1.43        | 99              | 72             | ...               | 0          | 0          | 534   | 1.54        | 99              | 81             | ...               |
| NOA            | CAN     | 0          | 0          | 11  | 0.19        | ...             | 18             | ...               | 0          | 0          | 23  | 0.41        | ...             | 17             | ...               |
|                | USA     | 0          | 0          | NR  | NR          | NR              | NR             | NR                | 0          | 0          | NR  | NR          | NR              | NR             | NR                |
| SOC            | ARG     | 0          | 0          | 196   | 1.93        | 46              | 70             | 85                | 0          | 0          | 215   | 2.12        | 64              | 82             | 88                |
|                | CHL     | 0          | 0          | 69  | 1.79        | 86              | 64             | ...               | 0          | 0          | 70  | 1.81        | 76              | 57             | ...               |
|                | PRY     | 0          | 0          | 19  | 0.87        | 89              | 89             | 87                | 0          | 0          | 26  | 1.19        | 85              | 77             | 84                |
|                | URY     | 0          | 0          | 4   | 0.52        | 100             | ...            | ...               | 0          | 0          | 4   | 0.52        | 100             | 50             | ...               |
| <b>Total</b> § |         | <b>0</b>   | <b>0</b>   | <b>1726</b>   | <b>1.03</b> | <b>80</b>       | <b>72</b>      | <b>-</b>          | <b>0</b>   | <b>0</b>   | <b>1946</b>                                       | <b>1.16</b> | <b>82</b>       | <b>77</b>      | <b>-</b>          |

+ 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 2015/32 - 2016/31**

| 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     | 4                                  | 0                    | 0                 | 2                 | 0               | 0                 | 0         | 2           | 0        | 0          | 0                             | 2           | 2                            | 100                                 |                     |
|                | DMA     | 1                                  | 0                    | 0                 | 0                 | 0               | 0                 | 0         | 1           | 0        | 0          | 0                             | 1           | 1                            | 100                                 |                     |
|                | DOM     | 8                                  | 0                    | 0                 | 0                 | 0               | 0                 | 0         | 8           | 0        | 0          | 0                             | 8           | 8                            | 100                                 |                     |
|                | GRD     | 1                                  | 0                    | 0                 | 0                 | 0               | 0                 | 0         | 1           | 0        | 0          | 0                             | 1           | 1                            | 100                                 |                     |
|                | HND     | 49                                 | 15                   | 0                 | 0                 | 0               | 0                 | 5         | 29          | 0        | 0          | 15                            | 34          | 34                           | 47                                  |                     |
|                | HTI     | 8                                  | 3                    | 0                 | 0                 | 0               | 0                 | 0         | 5           | 0        | 0          | 0                             | 5           | 4                            | 50                                  |                     |
|                | JAM     | 3                                  | 1                    | 0                 | 0                 | 0               | 0                 | 0         | 2           | 0        | 0          | 0                             | 2           | 2                            | 100                                 |                     |
|                | NIC     | 26                                 | 4                    | 0                 | 0                 | 0               | 0                 | 1         | 21          | 0        | 0          | 5                             | 22          | 22                           | 50                                  |                     |
|                | 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                                 |                     |
| CDC            | GTM     | 23                                 | 3                    | 0                 | 0                 | 0               | 0                 | 2         | 18          | 0        | 0          | 10                            | 20          | 12                           | 17                                  |                     |
|                | PRY     | 17                                 | 4                    | 0                 | 0                 | 0               | 0                 | 0         | 13          | 0        | 0          | 0                             | 13          | 13                           | 100                                 |                     |
|                | SLV     | 27                                 | 0                    | 0                 | 2                 | 0               | 0                 | 0         | 25          | 0        | 0          | 0                             | 25          | 25                           | 0                                   |                     |
| FIO            | BRA     | 237                                | 17                   | 0                 | 11                | 2               | 1                 | 8         | 198         | 0        | 0          | 5                             | 208         | 203                          | 68                                  |                     |
|                | PER     | 44                                 | 1                    | 0                 | 4                 | 0               | 0                 | 0         | 39          | 0        | 0          | 0                             | 39          | 37                           | 57                                  |                     |
| IEC            | BRA     | 32                                 | 4                    | 0                 | 0                 | 2               | 0                 | 0         | 26          | 0        | 0          | 7                             | 28          | 25                           | 64                                  |                     |
|                | CRI     | 1                                  | 1                    | 0                 | 0                 | 0               | 0                 | 0         | 0           | 0        | 0          | 0                             | 0           | 0                            | 0                                   |                     |
| INDRE          | MEX     | 399                                | 2                    | 12                | 8                 | 4               | 0                 | 35        | 342         | 0        | 0          | 10                            | 381         | 381                          | 99                                  |                     |
| INH            | VEN     | 8                                  | 5                    | 0                 | 1                 | 1               | 0                 | 0         | 1           | 0        | 0          | 50                            | 2           | 2                            | 50                                  |                     |
| INS            | COL     | 169                                | 0                    | 2                 | 4                 | 0               | 0                 | 9         | 153         | 1        | 0          | 6                             | 163         | 163                          | 92                                  |                     |
|                | CRI     | 28                                 | 3                    | 0                 | 0                 | 0               | 0                 | 0         | 25          | 0        | 0          | 0                             | 25          | 25                           | 92                                  |                     |
|                | ECU     | 19                                 | 5                    | 0                 | 5                 | 0               | 0                 | 0         | 9           | 0        | 0          | 0                             | 9           | 9                            | 56                                  |                     |
| INS            | PER     | 1                                  | 0                    | 0                 | 1                 | 0               | 0                 | 0         | 0           | 0        | 0          | 0                             | 0           | 0                            | 0                                   |                     |
| IPK            | CUB     | 5                                  | 2                    | 0                 | 0                 | 0               | 0                 | 0         | 3           | 0        | 0          | 0                             | 3           | 3                            | 100                                 |                     |
| ISP            | CHL     | 51                                 | 0                    | 0                 | 0                 | 1               | 0                 | 5         | 45          | 0        | 0          | 12                            | 51          | 51                           | 88                                  |                     |
| MAL            | ARG     | 177                                | 0                    | 0                 | 17                | 13              | 0                 | 19        | 128         | 0        | 0          | 20                            | 160         | 157                          | 78                                  |                     |
|                | BOL     | 28                                 | 22                   | 0                 | 0                 | 0               | 0                 | 0         | 6           | 0        | 0          | 0                             | 6           | 6                            | 100                                 |                     |
| (no lab. name) | BRA     | 1                                  | 1                    | 0                 | 0                 | 0               | 0                 | 0         | 0           | 0        | 0          | 0                             | 0           | 0                            | 0                                   |                     |
|                | CAN     | 3                                  | 0                    | 0                 | 0                 | 0               | 0                 | 0         | 3           | 0        | 0          | 0                             | 3           | 0                            | 0                                   |                     |
|                | ECU     | 3                                  | 1                    | 0                 | 0                 | 0               | 0                 | 0         | 2           | 0        | 0          | 0                             | 2           | 1                            | 0                                   |                     |
|                | HND     | 6                                  | 6                    | 0                 | 0                 | 0               | 0                 | 0         | 0           | 0        | 0          | 0                             | 0           | 0                            | 0                                   |                     |
|                | PER     | 5                                  | 4                    | 0                 | 0                 | 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     | 83                                 | 38                   | 0                 | 5                 | 0               | 0                 | 0         | 2           | 38       | 0          | 0                             | 5           | 40                           | 40                                  | 73                  |
| <b>Total</b>   |         | <b>1482</b>                        | <b>149</b>           | <b>14</b>         | <b>60</b>         | <b>23</b>       | <b>1</b>          | <b>86</b> | <b>1152</b> | <b>1</b> | <b>0</b>   | <b>9</b>                      | <b>1262</b> | <b>1236</b>                  | <b>81</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 2015/32 - 2016/31**

| 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     | 5                             | 2   | 2         | 4         | 0        | 0        | 0        | 0        | 0        | 0        | 0                   | 5                                    | 5   | 67   | 83  | 100   |
| 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                                    | -   | -  | -   |   |
| MAL          | ARG     | 13                            | 2   | 7         | 9         | 0        | 0        | 0        | 0        | 0        | 0        | 0                   | 13                                   | 13  | 100  | 100   | 100   |
| <b>Total</b> |         | <b>24</b>                     | <b>6</b>                                      | <b>11</b> | <b>16</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>1</b>            | <b>23</b>                            | <b>23</b>   | <b>91</b>  | <b>96</b>                                     | <b>100</b>                                    |