



PAN AMERICAN HEALTH ORGANIZATION
PAN AMERICAN HEALTH SANITARY BUREAU REGIONAL OFFICE OF THE
WORLD HEALTH ORGANIZATION



Vol. 16, No. 42

Division of Vaccines and Immunization
Expanded Program on Immunization
Poliomyelitis Surveillance in the Americas

Weekly Bulletin for the week
ending 20 October 2001

Poliovirus Surveillance

POLIO HAS BEEN ERADICATED FROM THE AMERICAS
The last wild poliovirus was detected on September 5 1991, in Peru

Table No. 1
Status of Case Stool Sample Analysis
Last 52 Weeks (2000/43 - 2001/42)

| Lab. | Country | Total* | WITHOUT RESULTS | | | ENTEROVIRUS ISOLATION | | | | | |
|-------|---------|--------|-----------------|----------|----------|-----------------------|----------|-------------------|---------|--------------------|------|
| | | | Not yet in Lab. | <6 weeks | >6 Weeks | % Isolation | Negative | Other Enterovirus | Pending | Poliovirus Vaccine | Wild |
| BEL | BRA | 85 | 15 | 0 | 21 | 16.3 | 41 | 6 | 0 | 2 | 0 |
| CAR | DOR | 97 | 0 | 4 | 2 | 26.4 | 67 | 14 | 0 | 10** | 0 |
| | GUY | 5 | 3 | 0 | 0 | 0.0 | 2 | 0 | 0 | 0 | 0 |
| | HAI | 17 | 0 | 0 | 1 | 50.0 | 8 | 1 | 0 | 7** | 0 |
| | HON | 44 | 3 | 3 | 1 | 13.5 | 32 | 4 | 0 | 1 | 0 |
| | JAM | 2 | 1 | 0 | 0 | 0.0 | 1 | 0 | 0 | 0 | 0 |
| | SUR | 3 | 2 | 0 | 0 | 0.0 | 1 | 0 | 0 | 0 | 0 |
| | TRT | 3 | 0 | 0 | 0 | 0.0 | 3 | 0 | 0 | 0 | 0 |
| CDC | DOR | 3 | 0 | 0 | 0 | 100.0 | 0 | 0 | 0 | 3** | 0 |
| FIO | BOL | 37 | 0 | 3 | 0 | 29.4 | 24 | 9 | 0 | 1 | 0 |
| | BRA | 145 | 26 | 0 | 4 | 16.5 | 96 | 15 | 0 | 4 | 0 |
| | PER | 91 | 3 | 8 | 1 | 11.4 | 70 | 8 | 0 | 1 | 0 |
| INC | COR | 12 | 0 | 0 | 0 | 0.0 | 12 | 0 | 0 | 0 | 0 |
| | ELS | 51 | 5 | 0 | 1 | 11.1 | 40 | 4 | 0 | 1 | 0 |
| | GUT | 89 | 1 | 6 | 6 | 6.6 | 71 | 5 | 0 | 0 | 0 |
| | NIC | 21 | 0 | 0 | 0 | 4.8 | 20 | 0 | 0 | 1 | 0 |
| | PAN | 11 | 0 | 0 | 0 | 0.0 | 11 | 0 | 0 | 0 | 0 |
| INDRE | MEX | 305 | 0 | 17 | 6 | 21.6 | 221 | 58 | 0 | 3 | 0 |
| INH | VEN | 99 | 6 | 0 | 0 | 8.6 | 85 | 8 | 0 | 0 | 0 |
| INS | COL | 128 | 5 | 12 | 3 | 13.9 | 93 | 14 | 0 | 1 | 0 |
| | ECU | 27 | 0 | 1 | 1 | 8.0 | 23 | 2 | 0 | 0 | 0 |
| ISP | CHI | 40 | 0 | 6 | 0 | 8.8 | 31 | 2 | 0 | 1 | 0 |
| MAL | ARG | 125 | 2 | 6 | 2 | 10.4 | 103 | 9 | 0 | 3 | 0 |
| | CHI | 39 | 0 | 0 | 0 | 20.5 | 31 | 5 | 0 | 3 | 0 |
| | PAR | 20 | 0 | 0 | 0 | 35.0 | 13 | 5 | 0 | 2 | 0 |
| | URU | 12 | 0 | 0 | 0 | 25.0 | 9 | 2 | 0 | 1 | 0 |
| REC | BRA | 179 | 24 | 2 | 25 | 11.7 | 113 | 12 | 0 | 3 | 0 |
| TOTAL | | 1690 | 96 | 68 | 74 | 16.0 | 1221 | 183 | 0 | 48 | 0 |

* Each sample relates to an individual

Case samples only

**Type 1 vaccine derived virus

Table No. 2
Status of Poliovirus Pending Intratypic Differentiation
Last 52 Weeks (2000/43 - 2001/42)

| LAB | COUNTRY | POLIOVIRUS | | | | | | | | | | | | TOTAL |
|-------|---------|----------------|----|----|-----|------------------|----|----|-----|------------------|----|----|-----|-------|
| | | NOT YET IN LAB | | | | IN LAB < 4 Weeks | | | | IN LAB > 4 Weeks | | | | |
| | | P1 | P2 | P3 | MIX | P1 | P2 | P3 | MIX | P1 | P2 | P3 | MIX | |
| TOTAL | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Case samples only



Acute Flaccid Paralysis Surveillance

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Table No. 1
CASES OF ACUTE FLACCID PARALYSIS UNDER INVESTIGATION
BY WEEK OF REPORT

| SITE | TOTAL | CUM. | Week | | | | | | | | | | | | | | | |
|-------|-------|------|------|------|-----|-----|------|-------|-------|-------|-------|-------|-------|----|----|----|----|----|
| | | | 2000 | 2001 | 1-4 | 5-8 | 9-12 | 13-16 | 17-20 | 21-24 | 25-28 | 29-32 | 33-36 | 37 | 38 | 39 | 40 | 41 |
| ARG | 0 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 3 | 0 | 3 | 2 | 2 |
| BOL | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| BRA | 0 | 152 | 3 | 8 | 4 | 5 | 13 | 17 | 21 | 35 | 42 | 4 | 0 | 0 | 0 | 0 | 0 | |
| CAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| CAR | 0 | 11 | 0 | 1 | 0 | 0 | 2 | 4 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | |
| CHI | 0 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 2 | 2 | 0 | 2 | 2 | 1 | |
| COL | 0 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 0 | 1 | 3 | 6 | 2 | 0 | |
| COR | 0 | 11 | 3 | 1 | 2 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| CUB | 0 | 12 | 0 | 2 | 1 | 3 | 0 | 0 | 2 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | |
| DOR | 0 | 18 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 1 | 4 | 1 | 0 | 4 | 2 | 0 | 2 | |
| ECU | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | |
| ELS | 0 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 8 | 1 | 2 | 0 | 0 | 0 | 0 | |
| GUT | 0 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 2 | 2 | 0 | 1 | 0 | 0 | |
| HAI | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | |
| HON | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | 1 | 0 | 2 | 1 | |
| MEX | 0 | 152 | 7 | 2 | 5 | 9 | 9 | 26 | 21 | 29 | 29 | 8 | 6 | 1 | 0 | 0 | 0 | |
| NIC | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 2 | 0 | 0 | 0 | 1 | |
| PAN | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| PAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| PER | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 3 | 2 | 0 | 1 | 3 | 0 | |
| URU | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | |
| USA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| VEN | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 3 | 0 | |
| TOTAL | 0 | 483 | 13 | 14 | 14 | 18 | 25 | 47 | 51 | 80 | 118 | 24 | 24 | 10 | 24 | 14 | 7 | |

Table No.2
CASES OF AFP REPORTED, RATE PER 100,000 <15 yrs.,
% INVESTIGATED WITHIN 48 hrs., % WITH 1 ADEQUATE
SAMPLE AND % OF SITES REPORTING WEEKLY

| SITE | Total 2000 | | Last 52 weeks (2000/43-2001/42) | | | | |
|--------|------------|------|---------------------------------|------|-----------------|-------------|-------------------|
| | CASES | RATE | CASES | RATE | % INV. <48 hrs. | %1 Sample + | % Sites Reporting |
| ARG | 133 | 1.30 | 143 | 1.39 | 100 | 73 | 100 |
| BOL | 25 | 0.77 | 37 | 1.14 | 89 | 76 | 0 |
| BRA | 529 | 1.01 | 512 | 0.98 | 91 | 63 | 95 |
| CAN | 59 | 1.01 | 0 | 0.00 | 0 | 0 | 0 |
| CAR | 14 | 0.63 | 15 | 0.68 | 87 | 60 | 97 |
| CHI | 94 | 2.20 | 81 | 1.90 | 86 | 90 | 93 |
| COL | 161 | 1.18 | 132 | 0.97 | 84 | 83 | 84 |
| COR | 22 | 1.59 | 16 | 1.16 | 88 | 56 | 0 |
| CUB | 27 | 1.10 | 14 | 0.57 | 100 | 93 | 98 |
| DOR | 67 | 2.11 | 106 | 3.33 | 99 | 68 | 0 |
| ECU | 45 | 1.06 | 30 | 0.70 | 93 | 90 | 90 |
| ELS | 79 | 3.57 | 61 | 2.76 | 84 | 85 | 75 |
| GUT | 87 | 1.78 | 91 | 1.86 | 88 | 79 | 52 |
| HAI | 15 | 0.59 | 20 | 0.78 | 90 | 65 | 0 |
| HON | 47 | 1.87 | 44 | 1.75 | 89 | 95 | 89 |
| MEX | 386 | 1.16 | 340 | 1.02 | 94 | 79 | 90 |
| NIC | 32 | 1.45 | 28 | 1.27 | 100 | 96 | 100 |
| PAN | 10 | 1.12 | 11 | 1.24 | 73 | 91 | 83 |
| PAR | 19 | 0.89 | 20 | 0.93 | 75 | 60 | 89 |
| PER | 102 | 1.19 | 91 | 1.06 | 99 | 97 | 98 |
| URU | 9 | 0.69 | 15 | 1.16 | 73 | 73 | 47 |
| USA | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 |
| VEN | 114 | 1.39 | 103 | 1.26 | 99 | 95 | 87 |
| Total♦ | 2076 | 1.21 | 1910 | 1.15 | 92 | 77 | 89 |

+ Taken within 14 days of onset of paralysis
♦ Excluding Canada and USA

Table No. 3
CONFIRMED POLIO CASES
BY WEEK OF ONSET

| SITE | TOTAL 2000 | AS OF WEEK 42 Cumulative | |
|-------|------------|-----------------------------|------|
| | | 2000 | 2001 |
| ARG | 0 | 0 | 0 |
| BOL | 0 | 0 | 0 |
| BRA | 0 | 0 | 0 |
| CAN | 0 | 0 | 0 |
| CAR | 0 | 0 | 0 |
| CHI | 0 | 0 | 0 |
| COL | 0 | 0 | 0 |
| COR | 0 | 0 | 0 |
| CUB | 0 | 0 | 0 |
| DOR | 11* | 5* | 3* |
| ECU | 0 | 0 | 0 |
| ELS | 0 | 0 | 0 |
| GUT | 0 | 0 | 0 |
| HAI | 1* | 0 | 7* |
| HON | 0 | 0 | 0 |
| MEX | 0 | 0 | 0 |
| NIC | 0 | 0 | 0 |
| PAN | 0 | 0 | 0 |
| PAR | 0 | 0 | 0 |
| PER | 0 | 0 | 0 |
| URU | 0 | 0 | 0 |
| USA | 0 | 0 | 0 |
| VEN | 0 | 0 | 0 |
| Total | 12* | 5* | 10* |

CAR Includes reports from all CAREC member countries
* Type 1 vaccine derived virus

Table No. 4
POLIO COMPATIBLE CASES
BY WEEK OF ONSET

| SITE | TOTAL 2000 | AS OF WEEK 42 Cumulative | |
|-------|------------|-----------------------------|------|
| | | 2000 | 2001 |
| ARG | 0 | 0 | 0 |
| BOL | 0 | 0 | 0 |
| BRA | 12 | 12 | 0 |
| CAN | 0 | 0 | 0 |
| CAR | 0 | 0 | 0 |
| CHI | 0 | 0 | 0 |
| COL | 0 | 0 | 0 |
| COR | 0 | 0 | 0 |
| CUB | 0 | 0 | 0 |
| DOR | 13 | 10 | 1 |
| ECU | 0 | 0 | 0 |
| ELS | 0 | 0 | 0 |
| GUT | 3 | 3 | 1 |
| HAI | 0 | 0 | 1 |
| HON | 0 | 0 | 0 |
| MEX | 0 | 0 | 0 |
| NIC | 0 | 0 | 0 |
| PAN | 0 | 0 | 0 |
| PAR | 0 | 0 | 0 |
| PER | 0 | 0 | 0 |
| URU | 0 | 0 | 0 |
| USA | 0 | 0 | 0 |
| VEN | 0 | 0 | 0 |
| Total | 28 | 25 | 3 |

CAR Includes reports from all CAREC member countries

Issues of polio surveillance bulletin can be accessed at:
<http://www.paho.org> (search: "polio weekly")