



Poliovirus Surveillance in the Americas

GLOBAL POLIO ERADICATION INITIATIVE – STATUS AS OF 8 OCTOBER 2003

Global Overview

- Seven countries in the world remain polio-endemic, the lowest-ever number. They are Nigeria, India, Pakistan, Egypt, Afghanistan, Niger and Somalia (Somalia's last wild poliovirus case was reported on 6 October 2002).
- As of 8 October 2003, 96 per cent of all new polio cases in 2003 are found in the three countries: Nigeria, India, and Pakistan.
- The goal is to have interrupted transmission of wild poliovirus and be in the process of global certification by 2005, specifically:
 - to interrupt transmission in Afghanistan, Egypt, Niger, and Somalia by end-2003;
 - to interrupt transmission in Nigeria, India and Pakistan by end-2004.

Funding gap

- The global funding gap of US\$210 million for activities through 2005 remains the single greatest risk to polio eradication.
- US\$30 million are urgently needed by 30 November 2003, for Q1 2004 operational costs, particularly surveillance activities.

Importations

- Importations will remain a risk until polio is eradicated everywhere and should be treated as a public health threat requiring a full and immediate immunization response.
- Importations are a particular threat to west and central Africa because of increasing transmission in Nigeria. Recent importations from Nigeria through Niger to Burkina Faso, Ghana, and Togo are requiring an international response costing US\$10 million.
- The risk of importations in west and central Africa, and around the world, is magnified by the funding gap, which limits the scope of immunization activities.

**Table No. 1
Summary of Status of Case Stool Sample Analysis of Countries By Reference Laboratory
Last 52 Weeks (2002/43- 2003/42)**

Lab.	Total*	WITHOUT RESULTS			ENTEROVIRUS ISOLATION					
		Not yet in lab.	<28 days	>28 Days	% Isolation	Negative	Other Enterovirus	Pending	Poliovirus Vaccine	Wild
BEL	71	17	0	10	6.8	41	3	0	0	0
CAR	103	1	0	0	19.6	82	16	0	4	0
FIO	492	111	2	30	26.4	257	85	0	7	0
INC	187	0	15	0	21.5	135	35	0	2	0
INDRE	321	1	1	24	21.4	232	58	0	5	0
INH	93	0	4	2	2.3	85	2	0	0	0
INS	151	0	7	3	11.3	125	16	0	0	0
ISP	27	0	0	1	3.8	25	1	0	0	0
MAL	228	5	7	0	12.5	189	17	0	10	0
TOTAL	1673	135	36	70	18.2	1171	233	0	28	0

* Each sample relates to an individual

Case samples only

Table No. 2

There are no Poliovirus Pending Intratypic Differentiation this last 52 Weeks (2002/43 - 2003/42)



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. 2003	Week													
			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	8	0	0	0	0	1	0	1	0	0	0	0	2	3	1
BOL	0	2	0	0	0	0	0	0	0	0	2	0	0	0	0	0
BRA	0	151	4	5	2	7	5	10	12	26	43	15	10	8	2	0
CAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CAR	0	3	0	0	0	0	1	0	0	0	2	0	0	0	0	0
CHI	0	7	0	1	0	0	1	0	0	3	0	2	0	0	0	0
COL	0	23	1	0	2	1	1	1	2	3	3	2	1	3	2	1
COR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUB	0	16	2	1	4	1	0	1	2	1	2	0	0	2	0	0
DOR	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0
ECU	0	8	0	0	0	0	1	0	1	0	1	2	1	1	1	0
ELS	0	29	0	0	0	0	0	0	0	0	7	4	4	2	2	4
GUT	0	11	0	0	0	0	0	0	0	0	0	0	1	2	4	2
HAI	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0
HON	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0
MEX	0	199	4	6	16	17	26	15	37	34	43	1	0	0	0	0
NIC	0	6	0	0	0	0	0	0	0	0	4	0	1	1	0	0
PAN	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
PAR	0	6	0	0	0	0	0	0	0	0	0	0	0	2	2	2
PER	0	24	0	0	0	0	1	2	1	5	9	2	2	0	1	0
URU	1	8	0	1	2	0	0	1	0	0	2	0	0	1	1	0
USA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VEN	0	6	0	0	0	0	0	0	0	0	0	1	1	4	0	0
TOTAL	1	511	11	14	26	26	38	30	56	69	123	27	23	21	19	11

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 2002		Last 52 weeks (2002/43-2003/42)				
	CASES	RATE	CASES	RATE	% INV. <48 hrs.	%1 Sam-ple+	% Sites Report ing
ARG	129	1.19	129	1.17	84	71	93
BOL	64	1.95	51	1.51	98	67	0
BRA	636	1.23	516	1.00	96	75	92
CAN	NR	NR	NR	NR	NR	NR	NR
CAR	22	1.00	23	1.04	96	65	100
CHI	114	2.64	81	1.88	89	84	97
COL	121	0.86	139	0.99	66	74	83
COR	29	2.38	0	0.00	0	0	NR
CUB	37	0.83	19	0.42	100	100	96
DOR	36	1.12	23	0.68	100	87	90
ECU	43	1.00	46	1.06	76	96	85
ELS	110	4.82	100	4.34	88	86	60
GUT	72	1.58	86	1.89	92	90	46
HAI	12	0.38	12	0.38	67	58	40
HON	72	2.95	49	1.80	98	98	94
MEX	384	1.18	346	1.06	95	84	91
NIC	28	1.25	29	1.27	97	100	100
PAN	4	0.41	5	0.53	100	80	83
PAR	27	1.21	19	0.85	63	58	88
PER	111	1.29	99	1.15	98	94	99
URU	9	1.10	10	1.22	80	40	33
USA	NR	NR	NR	NR	NR	NR	NR
VEN	106	1.39	94	1.23	95	88	82
Total †	2166	1.30	1876	1.12	91	81	89

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

NR - No reporting

Table No. 3
CONFIRMED POLIO CASES
BY WEEK OF ONSET

AS OF WEEK 42

SITE	TOTAL 2002	Cumulative	
		2002	2003
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	0	0	0
ECU	0	0	0
ELS	0	0	0
GUT	0	0	0
HAI	0	0	0
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	0	0	0

CAR Includes reports from all CAREC member countries

Table No. 4
POLIO COMPATIBLE CASES
BY WEEK OF ONSET

AS OF WEEK 42

SITE	TOTAL 2002	Cumulative	
		2002	2003
ARG	0	0	0
BOL	2	2	1
BRA	1	1	0
CAN	0	0	0
CAR	0	0	0
CHI	1	0	0
COL	1	0	0
COR	0	0	0
CUB	0	0	0
DOR	0	0	0
ECU	0	0	0
ELS	0	0	0
GUT	0	0	1
HAI	0	0	0
HON	0	0	0
MEX	0	0	0
NIC	0	0	0
PAN	0	0	0
PAR	1	1	0
PER	0	0	0
URU	1	1	0
USA	0	0	0
VEN	0	0	0
Total	7	5	2

CAR Includes reports from all CAREC member countries

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

Issues of polio surveillance bulletin can be accessed at:
<http://www.paho.org/english/ad/fch/im/poliomyelitis.htm>