

*Sixth Meeting of the Global
Commission for the Certification of
Poliomyelitis Eradication*

Report of the Americas



PAN AMERICAN HEALTH ORGANIZATION
Pan American Sanitary Bureau, Regional Office of the
WORLD HEALTH ORGANIZATION



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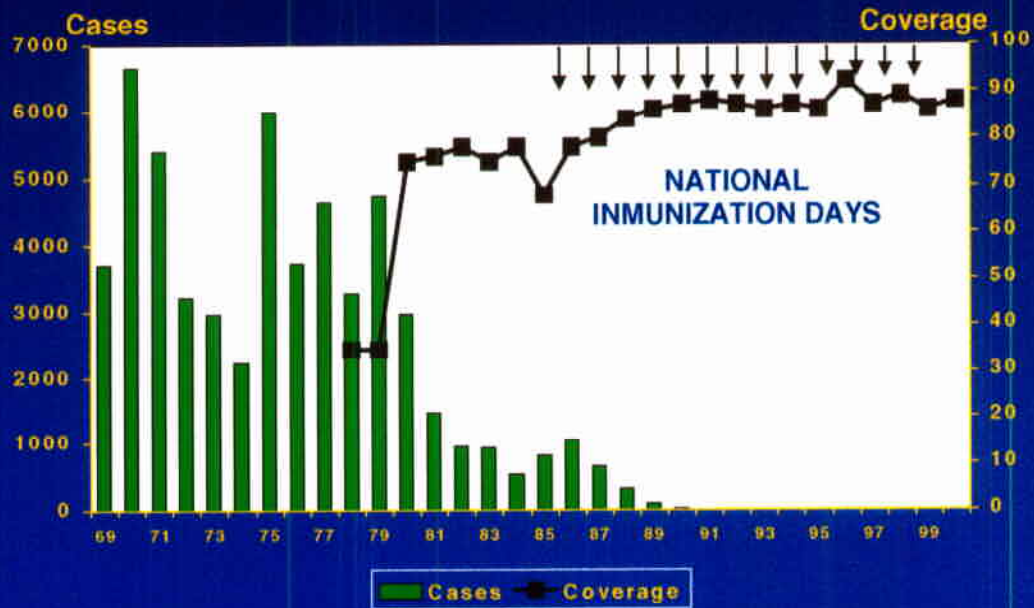
SECTION 1

OPV COVERAGE: 1995 - 2000

Countries by sub-region Region of the Americas



Polio Cases and OPV3 Coverage Region of the Americas, 1969 - 2000*



* Provisional data
Source: PAHO/WHO



**Year last wild poliovirus isolation
America region**

Sub-region/Country	Year
Andean	
Bolivia	1986
Colombia	1991
Ecuador	1990
Peru	1991
Venezuela	1989
Brazil	
Brazil	1989
Central America	
Costa Rica	1973
El Salvador	1988
Guatemala	1990
Honduras	1989
Nicaragua	1981
Panama	1972
English speaking Caribbean	
Anguilla	N/A
Antigua & Barbuda	1960
Bahamas	1978
Barbados	1967
Belize	1981
Bermuda	N/A
Cayman Islands	1957
Dominica	N/A
Grenada	1955
Guyana	1962
Jamaica	1982
Montserrat	N/A
St. Kitts&Nevis	1960
St. Lucia	N/A
St. Vincent&Grenadines	1977
Suriname	1980
Trinidad&Tobago	1972
Turks&Caicos	1972
British Virgin Islands	N/A
Latin Caribbean	
Cuba	1962
Dominican Republic	1985
Haiti	1989
Mexico	
Mexico	1990
North America	
Canada	1977
United States&	1979
Southern cone	
Argentina	1984
Chile	1975
Paraguay	1985
Uruguay	1979

Source: country reports

**OPV 3 COVERAGE CHILDREN <1 YEAR OLD
AMERICA REGION 1995-2000**

Sub-region/Country	Population <1 y	1995	1996	1997	1998	1999	2000#
Andean							
Bolivia	251,363**	86	71	78	76	89	89
Colombia	974,639**	95	95	76	72	75	78
Ecuador	297,612**	69	89	77	83	70	81
Peru	588,297*	93	99	97	96	96	93
Venezuela	522,702*	85	73	73	64	82	80
Brazil							
Brazil	3,296,663**	89	78	89	96	98	99
Central America							
Costa Rica	78,526**	84	85	93	85	86	79
El Salvador	161,228*	97	94	96	99	99	97
Guatemala	381,926**	80	73	85	91	86	95
Honduras	189,809**	94	94	93	98	95	91
Nicaragua	167,844**	96	99	99	91	93	94
Panama	59,941**	86	92	99	99	96	100
English speaking Caribbean							
Anguilla	156*	99	99	99	99	99	94
Antigua & Barbuda	1,398*	100	100	100	100	100	96
Bahamas	5,713*	87	85	86	88	82	91
Barbados	3,534*	93	85	96	93	86	...
Belize	7,638*	83	85	85	94	84	89
Bermuda	825*	92	89	78	63	58	...
Cayman Islands	562*	98	95	96	93	94	...
Dominica	1,205*	100	100	97	99	99	99
Grenada	1,858*	77	80	95	95	87	97
Guyana	20,414*	87	83	88	90	83	78
Jamaica	56,937*	91	92	90	85	80	86
Montserrat	48*	100	98	99	99	99	...
St. Kitts&Nevis	908*	99	98	100	98	100	99
St. Lucia	2,969*	98	88	98	88	89	70
St. Vincent&Grenadines	2,065*	97	100	100	100	100	100
Suriname	9,000*	81	79	81	90	84	...
Trinidad&Tobago	18,117*	90	90	91	91	90	...
Turks&Caicos	316*	100	100	100	100	89	100
British Virgin Islands	318*	99	89	96	99	92	100
Latin Caribbean							
Cuba	150,590**	95	95	97	97	96	98
Dominican Republic	217,348*	80	81	81	73	84	81
Haiti	278,564**	32	.....	32	39	53	59
Mexico							
Mexico	2,124,297**	92	95	95	96	96	97
North America							
Canada&		87	90	86	90	.....	.....
United States&		88	91	91	91	89	88
Southern cone							
Argentina	710,441*	90	90	91	88	91	78
Chile	266,678*	94	91	91	92	95	94
Paraguay	157,497*	79	81	82	84	74	73
Uruguay	75,893*	91	91	91	87	93	88
TOTAL		86	86	88	89	91	88

Source: country reports

*1999

**2000

#Provisional data

&Inactivated Polio Vaccine

..... Not available data

**OPV 3 COVERAGE CHILDREN <1 YEAR OLD
AMERICA REGION 1995-2000**

Sub-region/Country	1995	1996	1997	1998	1999	2000*
Andean						
Bolivia	86	71	78	76	89	89
Colombia	95	95	76	72	75	78
Ecuador	69	89	77	83	70	81
Peru	93	99	97	96	96	93
Venezuela	85	73	73	64	82	80
Brazil						
Brazil	89	78	89	96	98	99
Central America						
Costa Rica	84	85	93	85	86	79
El Salvador	97	94	96	99	99	97
Guatemala	80	73	85	91	86	95
Honduras	94	94	93	98	95	91
Nicaragua	96	99	99	91	93	94
Panama	86	92	99	99	96	100
English speaking Caribbean						
Anguilla	99	99	99	99	99	94
Antigua & Barbuda	100	100	100	100	100	96
Bahamas	87	85	86	88	82	91
Barbados	93	85	96	93	86	.....
Belize	83	85	85	94	84	89
Bermuda	92	89	78	63	58	.....
Cayman Islands	98	95	96	93	94	.....
Dominica	100	100	97	99	99	99
Grenada	77	80	95	95	87	97
Guyana	87	83	88	90	83	78
Jamaica	91	92	90	85	80	86
Montserrat	100	95	99	99	99	.....
St. Kitts&Nevis	99	95	100	98	100	99
St. Lucia	98	85	85	88	89	70
St. Vincent&Grenadines	97	100	100	100	100	100
Suriname	81	79	81	90	84	.....
Trinidad&Tobago	90	90	91	91	90	.....
Turks&Caicos	100	100	100	100	89	100
British Virgin Islands	99	89	96	99	92	100
Latin Caribbean						
Cuba	95	95	97	97	96	98
Dominican Republic	80	81	81	73	84	81
Haiti	32	.....	32	39	58	59
Mexico						
Mexico	92	95	95	96	96	97
North America						
Canada	87	90	86	90	.....	.....
United States	88	91	91	91	89	88
Southern cone						
Argentina	90	90	91	88	91	78
Chile	94	91	91	92	95	94
Paraguay	79	81	82	84	74	73
Uruguay	91	91	91	87	93	88

Source: country reports/PESS:02/15/2001

.....Not available data

>= 80%

*Provisional data

< 80%

PROPORTION OF DISTRICTS OPV 3 COVERAGE LESS THAN 80%

AMERICA REGION 1995-2000

Sub-region/Country	# districts*	1995	1996	1997	1998(1)	1999(2)	2000(2)#
Andean	3690						
Bolivia	305	24	46	67	74	71	71
Colombia	1,084	32	18	63	80	77	85
Ecuador	168	70	44	56	68	82	94
Peru	1,818	45	28	29	65	49	31
Venezuela	315	44	51	70	72	55	63
Brazil	5,507						
Brazil	5,507	55	59	60	49	47	67
Central America	1206						
Costa Rica	81	27	31	17	32	21	33
El Salvador	262	70	70	93	79	31	30
Guatemala	336	43	55	55	37	54	21
Honduras	298	18	15	22	39	27	28
Nicaragua	161	16	20	13	58	44	49
Panama	68	32	25	13	24	16	10
English speaking Caribbean	28						
Anguilla		0	0	0	0	0	0
Antigua & Barbuda		0	0	0	0	0	0
Bahamas		0	0	0	0	0	0
Barbados		0	0	0	0	0	0
Belize	6	0	10	0	17	17	0
Bermuda		0	0	0	0	0	0
Cayman Islands		0	0	0	0	0	0
Dominica		0	0	0	0	0	0
Grenada		0	0	0	0	0	0
Guyana		40	40	0	20	40	40
Jamaica	13	8	8	8	33	54	23
Montserrat		0	0	0	0	0	0
St. Kitts&Nevis		0	0	0	0	0	0
St. Lucia		0	0	0	0	0	0
St. Vincent&Grenadines		0	0	0	0	0	0
Suriname		0	0	0	0	0	0
Trinidad&Tobago	9	22	0	0	0	0	0
Turks&Caicos		0	0	0	0	0	0
British Virgin Islands		0	0	0	0	0	0
Latin Caribbean	470						
Cuba	169	0	0	0	0	0	0
Dominican Republic	168	14	80	80	75	76	77
Haiti	133	.....	.....	.....	.....	100	100
Mexico	2,434						
Mexico	2,434	0.5	0.5	0.3	3	8	8
North America							
Canada							
United States&	.....	.....	.....	.....	10	100	96
Southern Cone	1386						
Argentina	580	32	26	33	27	25	46
Chile(2)	320	60	57	55	79	49	.....
Paraguay	227	57	48	44	62	77	85
Uruguay	269	0	0	0	9	11	35

Source: country reports

*2000

#Provisional data

(1) less than 90% coverage

(2) less than 95% coverage

..... Not available data

& states with coverages less than 90-95%

**PROPORTION OF DISTRICTS OPV 3 COVERAGE LESS THAN 80%
AMERICA REGION 1995-2000**

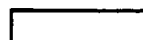
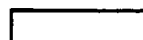
Sub-region/Country	1995	1996	1997	1998(1)	1999(2)	2000(2)#
Andean						
Bolivia	24	46	67	83	83	99
Colombia	32	18	63	80	77	85
Ecuador	70	44	56	68	82	94
Peru	45	28	29	65	49	88
Venezuela	44	51	70	72	55	63
Brazil						
Brazil	55	59	60	49	47	67
Central America						
Costa Rica	27	31	17	64	67	72
El Salvador		15	13	43	43	47
Guatemala	43	55	55	37	54	21
Honduras	18	15	22	39	27	28
Nicaragua	16	20	13	58	44	49
Panama	23	17	9	40	56	44
English speaking Caribbean						
Carec						
Latin Caribbean						
Cuba	0	0	0	0	0	0
Dominican Republic	14	80	80	75	76	77
Haiti	.....	.....	.....	.....	100	100
Mexico						
Mexico	12	10		3	8	8
Southern cone						
Argentina	32	26	33	27	25	46
Chile	60	57	55	79	49	.....
Paraguay	57	48	93	62	76	69
Uruguay	0	0	0	9	11	35
North America						
Canada						
United States						

Source: country reports/PSS:02/15/200: *2000

#Provisional data

(1) less than 90% covera (2) less than 95% coverage

.....Not available data

 <= 80% districts  < 80% districts

.....Not available data

**NATIONAL IMMUNIZATION DAYS
AMERICA REGION 1995-2000**

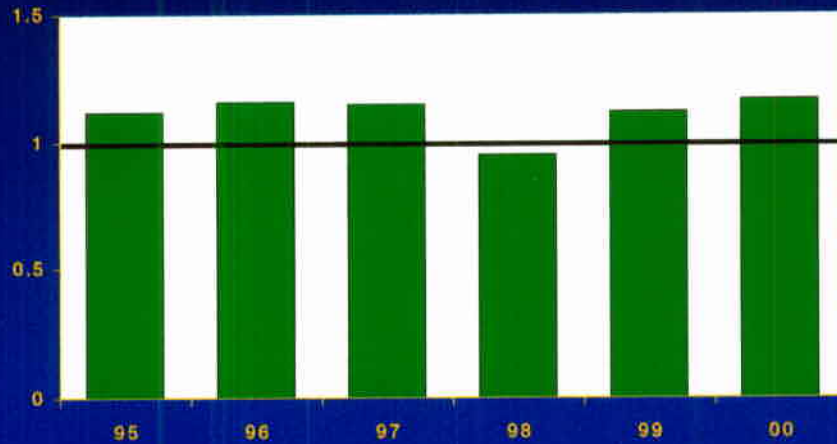
Sub-region/Country	1995	1996	1997	1998	1999	2000
Andean						
Bolivia	2	2	2	2	2	2
Colombia	1	1	1	0	0	0
Ecuador	0	1	0	1	0	0
Peru	2	2	2	2	2	2
Venezuela	2	2	2	2	2	1
Brazil						
Brazil	2	2	2	2	2	2
Central America						
Costa Rica	0	0	0	0	0	0
El Salvador	0	0	1	0	0	0
Guatemala	0	0	0	0	0	0
Honduras	1	1	1	1	1	1
Nicaragua	2	2	2	2	2	2
Panama	1	0	0	0	2	1
English speaking Caribbean						
Anguilla	0	0	0	0	0	0
Antigua & Barbuda	0	0	0	0	0	0
Bahamas	0	0	0	0	0	0
Barbados	0	0	0	0	0	0
Belize	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0
Cayman Islands	0	0	0	0	0	0
Dominica	0	0	0	0	0	0
Grenada	0	0	0	0	0	0
Guyana	0	0	0	0	0	0
Jamaica	0	0	0	0	0	0
Montserrat	0	0	0	0	0	0
St. Kitts&Nevis	0	0	0	0	0	0
St. Lucia	0	0	0	0	0	0
St. Vincent&Grenadines	0	0	0	0	0	0
Suriname	0	0	0	0	0	0
Trinidad&Tobago	0	0	0	0	0	0
Turks&Caicos	0	0	0	0	0	0
British Virgin Islands	0	0	0	0	0	0
Latin Caribbean						
Cuba	2	2	2	2	2	2
Dominican Republic	0	0	0	0	0	1
Haiti	0	0	0	0	0	0
Mexico						
Mexico	2	2	2	2	2	2
North America						
Canada	0	0	0	0	0	0
United States	0	0	0	0	0	0
Southern Cone						
Argentina	0	0	0	0	0	0
Chile	0	0	0	0	0	0
Paraguay	0	0	0	0	0	1
Uruguay	0	0	0	0	0	0

Source: country reports

SECTION 2

AFP INDICATORS: 1995 - 2000

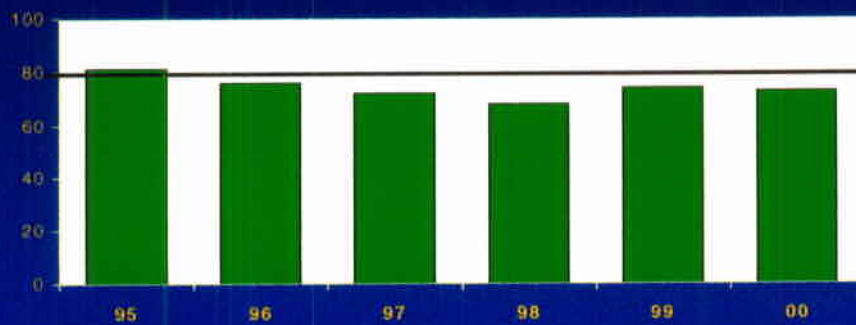
AFP rate per 100,000 children under 15 years of age Region of the Americas, 1995-2000



Source: PAHO



Percentage of AFP Cases with adequate stool specimens Region of the Americas, 1995 - 2000

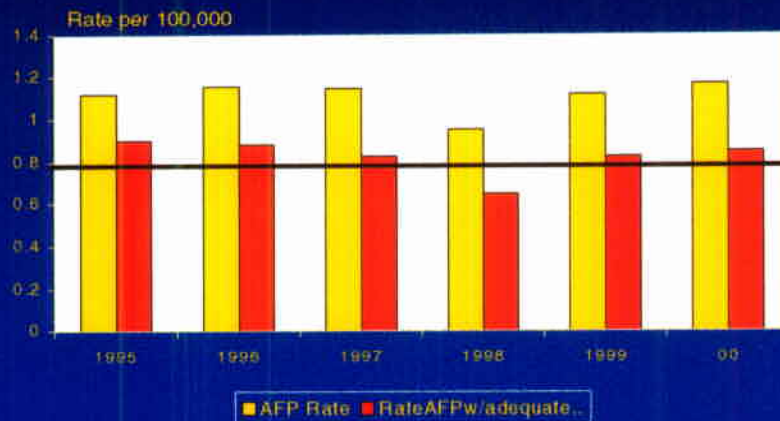


Percentage

Source: PAHO



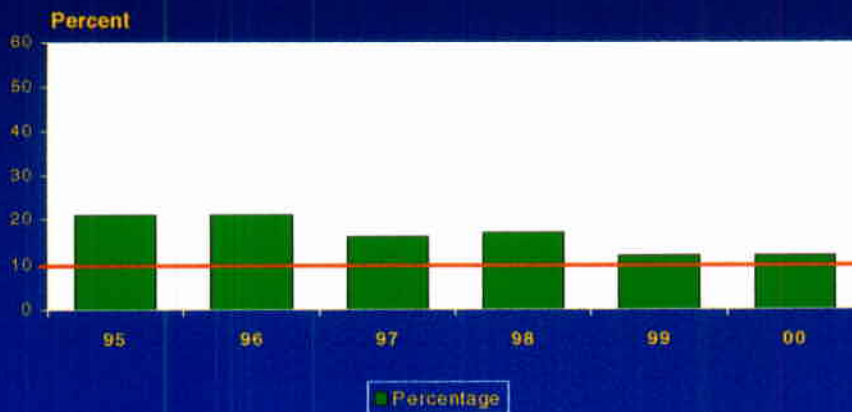
AFP Rate per 100,000 children < 15 years of age and Rate of AFP cases with adequate stool specimen Region of the Americas, 1995-2000



Source: PAHO



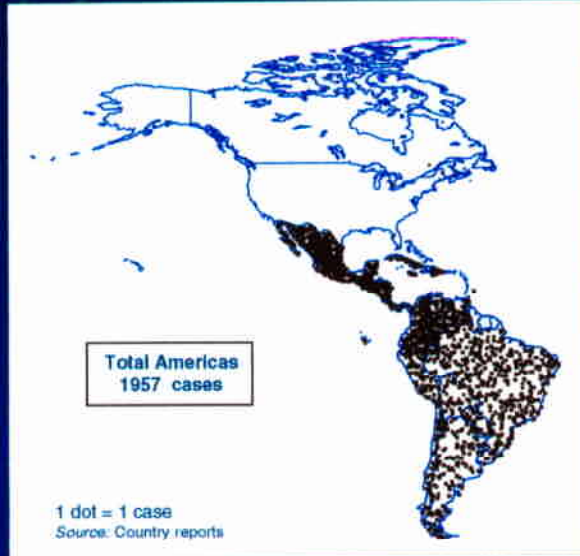
Percentage of enterovirus isolation Region of the Americas, 1995 - 2000



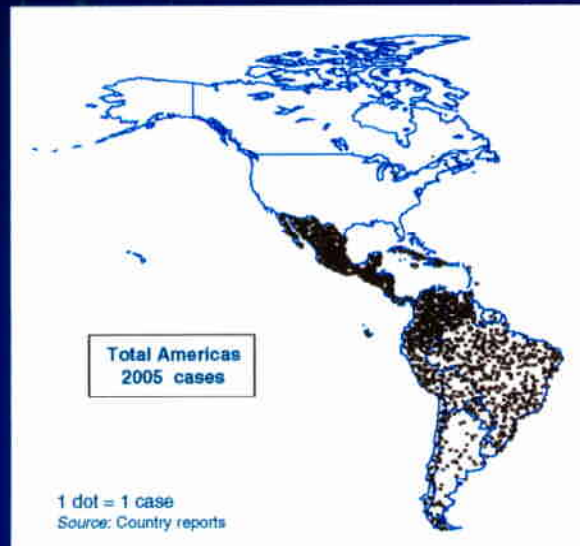
Source: PAHO



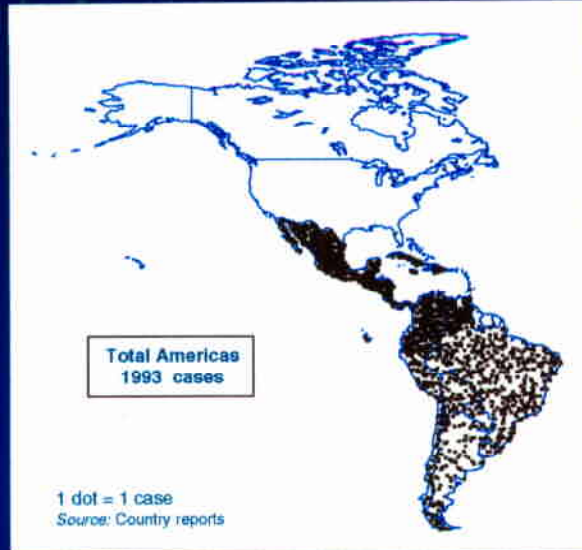
AFP cases in the Americas, 1995



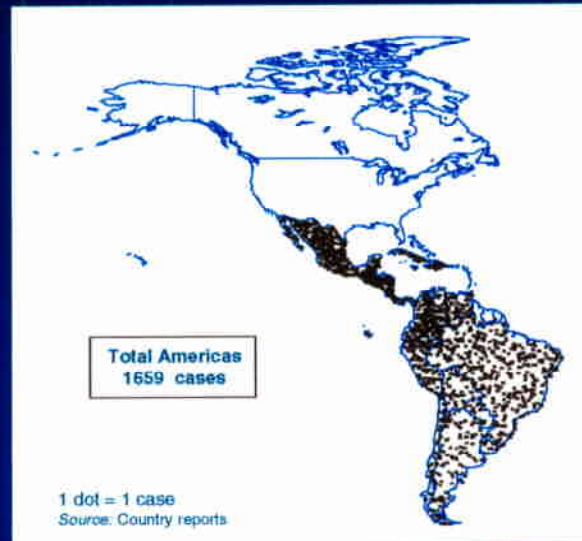
AFP cases in the Americas, 1996



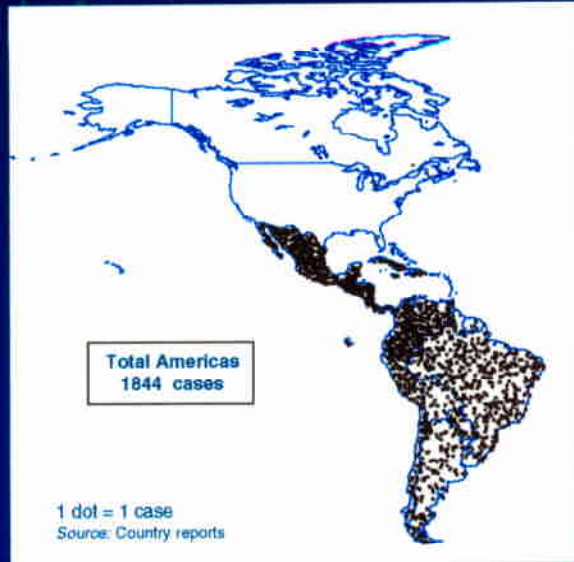
AFP cases in the Americas, 1997



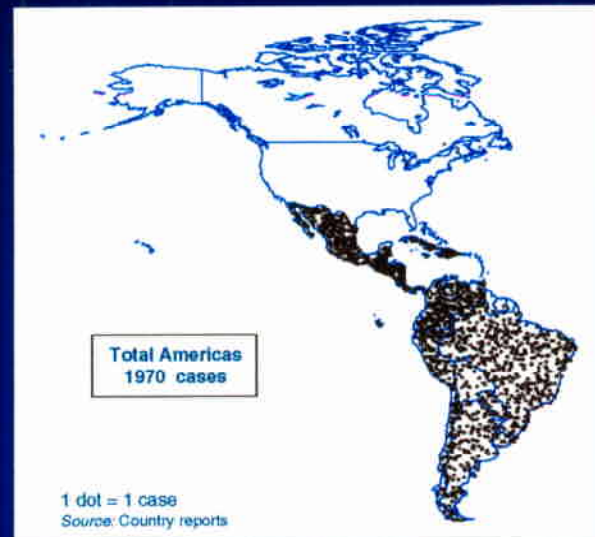
AFP cases in the Americas, 1998



AFP cases in the Americas, 1999



AFP cases in the Americas, 2000



**NUMBER OF REPORTED CASES
AMERICA REGION 1995-2000**

Sub-region/Country	1995	1996	1997	1998	1999	2000*
Andean	504	509	574	424	479	449
Bolivia	38	41	54	38	31	25
Colombia	225	242	192	184	188	164
Ecuador	46	47	54	40	49	44
Peru	89	103	87	91	117	102
Venezuela	106	156	187	71	94	114
Brazil	419	452	437	370	437	459
Brazil	419	452	437	370	437	459
Central America	254	210	243	229	241	278
Costa Rica	18	13	11	21	23	21
El Salvador	58	60	53	68	73	80
Guatemala	69	49	77	51	59	86
Honduras	59	45	49	48	45	49
Nicaragua	40	35	45	30	29	32
Panama	10	8	8	11	12	10
English speaking Caribbean	23	21	14	23	19	11
Anguilla	0	0	0	0	0	0
Antigua & Barbuda	0	1	0	0	0	0
Bahamas	0	0	0	0	0	0
Barbados	1	1	0	0	0	0
Belize	0	0	1	0	0	0
Bermuda	0	0	0	0	0	0
Cayman Islands	0	0	0	0	0	0
Dominica	0	0	0	0	0	0
Grenada	0	0	0	0	0	0
Guyana	2	4	1	2	3	1
Jamaica	10	4	5	11	4	2
Montserrat	0	0	0	0	0	0
St. Kitts&Nevis	0	0	0	0	0	0
St. Lucia	0	0	0	0	0	0
St. Vincent&Grenadines	0	0	1	0	0	0
Suriname	0	3	1	1	3	2
Trinidad&Tobago	10	8	5	9	9	6
Turks&Caicos	0	0	0	0	0	0
British Virgin Islands	0	0	0	0	0	0
Hispanic America	49	47	50	53	52	57
Cuba	30	23	31	27	29	27
Dominican Republic	29	18	22	22	10	62
Haiti	0	1	0	4	3	18
Mexico	465	556	489	385	396	354
North America	0	30	35	44	61	51
Canada	0	30	35	44	61	51
United States	.....	.....	.....	.....	.....	.....
South America	233	141	150	163	215	211
Argentina	110	41	75	93	104	140
Chile	92	76	85	71	89	93
Paraguay	23	19	10	9	18	19
Uruguay	8	5	10	10	4	9
Total	1357	1335	1413	1171	1339	1371

Source: PESS:02/15/2001

*Provisional data

..... Not available data

POPULATION AGED UNDER 15 YEARS (x100,000)

AMERICA REGION 1995-2000

Sub-region/Country	1995	1996	1997	1998	1999	2000*
Andean	359.77	363.00	391.26	404.88	378.98	379.58
Bolivia	30.46	30.64	31.21	31.80	32.40	33.00
Colombia	123.10	125.14	129.96	141.89	136.70	136.70
Ecuador	41.73	41.99	42.22	42.42	42.60	42.60
Peru	85.33	85.33	85.09	85.33	85.50	85.50
Venezuela	79.15	79.90	102.78	103.44	81.78	81.78
Brazil	637.33	637.33	637.33	637.33	554.30	554.30
Brazil	637.33	637.33	637.33	637.33	554.30	554.30
Central America	132.90	135.33	132.07	135.13	139.47	139.67
Costa Rica	12.45	12.45	12.45	12.45	12.45	12.45
El Salvador	21.20	21.38	21.60	21.85	22.10	22.30
Guatemala	47.34	48.43	46.00	45.76	48.80	48.80
Honduras	23.33	24.32	24.34	24.66	25.22	25.22
Nicaragua	19.81	19.94	18.83	21.53	22.00	22.00
Panama	8.77	8.81	8.85	8.88	8.90	8.90
English speaking Caribbean	24.53	24.41	25.96	25.96	19.90	19.90
Anguilla	0.04	0.04	0.04	0.04	0.02	0.02
Antigua & Barbuda	0.26	0.26	0.26	0.26	0.19	0.19
Bahamas	1.14	1.14	1.14	1.14	1.14	1.14
Barbados	1.04	1.04	1.04	1.04	1.04	1.04
Belize	0.90	0.90	0.90	0.90	0.83	0.83
Bermuda	0.58	0.58	0.58	0.58	0.58	0.58
Cayman Islands	0.12	0.12	0.12	0.12	0.12	0.12
Dominica	0.28	0.28	0.28	0.28	0.28	0.28
Grenada	0.40	0.40	0.40	0.40	0.27	0.27
Guyana	2.33	2.33	2.33	2.33	2.85	2.85
Jamaica	10.11	10.11	10.11	10.11	7.92	7.92
Montserrat	0.04	0.04	0.04	0.04	0.04	0.04
St. Kitts&Nevis	0.17	0.17	0.17	0.17	0.12	0.12
St. Lucia	0.59	0.59	0.59	0.59	0.45	0.45
St. Vincent&Grenadines	0.44	0.44	0.44	0.44	0.27	0.27
Suriname	1.68	1.68	1.68	1.68	1.20	1.20
Trinidad&Tobago	3.65	3.53	5.08	5.08	2.49	2.49
Turks&Caicos	0.33	0.33	0.33	0.33	0.05	0.05
British Virgin Islands	0.43	0.43	0.43	0.43	0.04	0.04
Latin Caribbean	71.76	79.17	69.96	81.97	81.97	81.97
Cuba	24.35	24.27	24.15	24.64	24.64	24.64
Dominican Republic	21.91	29.40	20.31	31.83	31.83	31.83
Haiti	25.50	25.50	25.50	25.50	25.50	25.50
Mexico	328.18	328.20	328.68	329.66	332.30	330.57
Mexico	328.18	328.20	328.68	329.66	332.30	330.57
North America	1190.20	1190.20	1190.20	1190.20	1190.20	1190.20
Canada	115.39	115.39	115.39	115.39	115.39	115.39
United States	1074.81	1074.81	1074.81	1074.81	1074.81	1074.81
Southern Cone	192.02	193.70	176.97	179.42	179.70	179.79
Argentina	100.48	101.86	100.87	102.70	102.70	102.70
Chile	58.49	58.49	42.44	42.73	42.73	42.73
Paraguay	20.09	20.39	20.70	21.03	21.40	21.40
Uruguay	12.96	12.96	12.96	12.96	12.96	12.96
TOTAL without N. America	1746.88	1761.84	1762.23	1794.35	1886.71	1885.78
TOTAL	2323.49	2324.99	2324.93	2326.82	2249.01	2247.88

Source: country reports

*Provisional data

RATE OF ACUTE FLACCID PARALYSIS PER 100,000 POPULATION < 15 YEARS OF AGE

AMERICA REGION 1995-2000

Sub-region/Country	1995	1996	1997	1998	1999	2000*
Andean	1.40	1.62	1.47	1.05	1.26	1.18
Bolivia	1.25	1.34	1.73	1.19	0.96	0.76
Colombia	1.83	1.93	1.48	1.30	1.38	1.20
Ecuador	1.10	1.12	1.28	0.94	1.15	1.03
Peru	1.04	1.21	1.02	1.07	1.37	1.19
Venezuela	1.34	1.95	1.82	0.69	1.15	1.39
Brazil	0.66	0.71	0.69	0.58	0.79	0.83
Brazil	0.66	0.71	0.69	0.58	0.79	0.83
Central America	1.91	1.55	1.84	1.69	1.73	1.99
Costa Rica	1.45	1.04	0.88	1.69	1.85	1.69
El Salvador	2.74	2.81	2.45	3.11	3.30	3.59
Guatemala	1.46	1.01	1.67	1.11	1.21	1.76
Honduras	2.53	1.85	2.01	1.95	1.78	1.94
Nicaragua	2.02	1.76	2.39	1.39	1.32	1.45
Panama	1.14	0.91	0.90	1.24	1.35	1.12
English speaking Caribbean	0.94	0.86	0.54	0.89	0.95	0.55
Anguilla	0.00	0.00	0.00	0.00	0.00	0.00
Antigua & Barbuda	0.00	3.85	0.00	0.00	0.00	0.00
Bahamas	0.00	0.00	0.00	0.00	0.00	0.00
Barbados	0.96	0.96	0.00	0.00	0.00	0.00
Belize	0.00	0.00	1.11	0.00	0.00	0.00
Bermuda	0.00	0.00	0.00	0.00	0.00	0.00
Cayman Islands	0.00	0.00	0.00	0.00	0.00	0.00
Dominica	0.00	0.00	0.00	0.00	0.00	0.00
Grenada	0.00	0.00	0.00	0.00	0.00	0.00
Guyana	0.86	1.72	0.43	0.86	1.05	0.35
Jamaica	0.99	0.40	0.49	1.09	0.51	0.25
Montserrat	0.00	0.00	0.00	0.00	0.00	0.00
St. Kitts&Nevis	0.00	0.00	0.00	0.00	0.00	0.00
St. Lucia	0.00	0.00	0.00	0.00	0.00	0.00
St. Vincent&Grenadines	0.00	0.00	2.27	0.00	0.00	0.00
Suriname	0.00	1.79	0.60	0.60	2.50	1.67
Trinidad&Tobago	2.74	2.27	0.98	1.77	3.61	2.41
Turks&Caicos	0.00	0.00	0.00	0.00	0.00	0.00
British Virgin Islands	0.00	0.00	0.00	0.00	0.00	0.00
Latin Caribbean	0.82	0.53	0.76	0.65	0.51	1.31
Cuba	1.23	0.95	1.28	1.10	1.18	1.10
Dominican Republic	1.32	0.61	1.08	0.69	0.31	1.95
Haiti	0.00	0.04	0.00	0.16	0.12	0.71
Mexico	1.42	1.69	1.49	1.17	1.19	1.07
Mexico	1.42	1.69	1.49	1.17	1.19	1.07
North America	0.00	0.03	0.03	0.04	0.05	0.04
Canada	0.00	0.26	0.30	0.38	0.53	0.44
United States	.....	.....	.....	.....	.....	.....
Southern Cone	1.21	0.73	1.02	1.02	1.20	1.45
Argentina	1.09	0.40	0.74	0.91	1.01	1.36
Chile	1.57	1.30	2.00	1.66	2.08	2.18
Paraguay	1.14	0.93	0.48	0.43	0.84	0.89
Uruguay	0.62	0.39	0.77	0.77	0.31	0.69
TOTAL**	1.12	1.16	1.15	0.95	1.12	1.17

**RATE OF ACUTE FLACCID PARALYSIS
PER 100,000 POPULATION < 15 YEARS OF AGE - AMERICA REGION- 1995-2000**

Country	1995	1996	1997	1998	1999	2000*
Andean						
Bolivia	1.25	1.34	1.73	1.19	0.96	0.76
Colombia	1.83	1.88	1.48	1.30	1.38	1.20
Ecuador	1.10	1.12	1.28	0.94	1.15	1.03
Peru	1.04	1.21	1.02	1.07	1.37	1.19
Venezuela	1.34	1.85	1.82	0.69	1.15	1.39
Brazil						
Brazil	0.66	0.71	0.69	0.58	0.79	0.83
Central America						
Costa Rica	1.45	1.04	0.88	1.69	1.85	1.69
El Salvador	2.74	2.81	2.45	3.11	3.30	3.59
Guatemala	1.46	1.01	1.67	1.11	1.21	1.76
Honduras	2.53	1.85	2.01	1.95	1.78	1.94
Nicaragua	2.02	1.76	2.39	1.39	1.32	1.45
Panama	1.14	0.91	0.90	1.24	1.85	1.12
English speaking Caribbean						
Carec countries	0.94	0.86	0.54	0.89	0.95	0.55
Latin Caribbean						
Cuba	1.28	0.95	1.28	1.30	1.36	1.30
Dominican Republic	1.32	0.61	1.08	0.69	0.31	1.25
Haiti	0.00	0.04	0.00	0.16	0.12	0.71
Mexico						
Mexico	1.42	1.69	1.49	1.17	1.19	1.07
Southern cone						
Argentina	1.09	0.40	0.74	0.91	1.01	1.16
Chile	1.57	1.20	2.00	1.99	2.99	2.89
Paraguay	1.14	0.93	0.48	0.43	0.84	0.89
Uruguay	0.62	0.39	0.77	0.77	0.31	0.69
Canada	NA	0.26	0.30	0.38	0.53	0.44
United States	NA	NA	NA	NA	NA	NA

Source: country reports/PESS:02/15/2001

*Provisional data

■ >=1

□ <1

**PROPORTION OF AFP CASES WITH AT LEAST 1 STOOL SPECIMEN
COLLECTED <= 14 DAYS ONSET OF PARALYSIS**

AMERICA REGION 1995-2000

Sub-region/Country	1995	1996	1997	1998	1999	2000*
Andean	80	89	88	74	88	87
Bolivia	87	78	74	58	68	72
Colombia	84	83	85	84	82	83
Ecuador	93	94	83	83	88	96
Peru	99	98	91	53	100	93
Venezuela	95	93	94	79	91	91
Brazil	65	56	52	53	47	54
Brazil	65	56	52	53	47	54
Central America	81	85	78	70	74	79
Costa Rica	73	70	86	69	95	94
El Salvador	98	77	93	60	71	86
Guatemala	84	90	56	63	66	74
Honduras	93	91	86	84	100	98
Nicaragua	100	100	100	100	100	97
Panama	100	100	100	100	100	100
English-speaking Caribbean	84	100	83	85	82	81
Anguilla	NA	NA	NA	NA	NA	NA
Antigua & Barbuda	NA	100	NA	NA	NA	NA
Bahamas	NA	NA	NA	NA	NA	NA
Barbados	0	100	NA	NA	NA	NA
Belize	100	NA	NA	NA	NA	NA
Bermuda	NA	NA	NA	NA	NA	NA
Cayman Islands	NA	NA	NA	NA	NA	NA
Dominica	NA	NA	NA	NA	NA	NA
Grenada	NA	NA	NA	NA	NA	NA
Guyana	100	100	100	100	33	100
Jamaica	90	100	60	0	80	50
Montserrat	NA	NA	NA	NA	NA	NA
St. Kitts&Nevis	NA	NA	NA	NA	NA	NA
St. Lucia	NA	NA	NA	NA	NA	NA
St. Vincent&Grenadines	NA	NA	100	NA	NA	NA
Suriname	NA	100	100	0	100	100
Trinidad&Tobago	100	100	100	100	100	100
Turks&Caicos	NA	NA	NA	NA	NA	NA
British Virgin Islands	NA	NA	NA	NA	NA	NA
Caribbean	82	89	84	83	74	75
Cuba	90	100	97	100	90	59
Dominican Republic	93	94	82	77	30	39
Haiti	NA	100	NA	0	0	0
Central America	84	78	77	85	85	81
Mexico	84	78	77	85	85	81
North America	NA	33	37	25	42	53
Canada	NA	33	37	25	42	53
United States	.....	.....	.....	.....	.....	.....
South America	65	44	7	1	83	72
Argentina	65	44	7	1	83	72
Chile	85	78	84	82	89	85
Paraguay	96	84	90	89	72	63
Uruguay	88	40	80	90	25	100

Source: PESS:02/15/2001

NA not applicable: no cases reported

*Provisional data

..... Not available data

**PROPORTION OF AFP CASES WITH AT LEAST 1 STOOL SPECIMEN
COLLECTED <= 14 DAYS ONSET OF PARALYSIS**

Sub-region/Country	1995	1996	1997	1998	1999	2000*
Andean						
Bolivia	87	78	74	58	68	72
Colombia	84	83	85	84	82	83
Ecuador	93	94	83	83	88	96
Peru	99	98	91	53	100	93
Venezuela	95	93	94	79	91	91
Brazil						
Brazil	65	56	52	53	47	54
Central America						
Costa Rica	73	70	86	69	95	88
El Salvador	98	77	93	60	71	87
Guatemala	84	90	56	63	66	74
Honduras	93	91	80	84	89	98
Nicaragua	100	100	100	100	100	97
Panama	100	56	88	100	83	100
English speaking Caribbean						
Carec countries	54	55	14	77	35	73
Latin Caribbean						
Cuba	90	100	97	100	90	59
Dominican Republic	93	94	82	77	30	39
Haiti	NA	100	NA	0	0	0
Mexico						
Mexico	84	78	77	85	85	81
Southern cone						
Argentina	65	44	7	1	89	72
Chile	85	78	84	82	89	89
Paraguay	86	89	90	90	72	63
Uruguay	88	40	80	80	25	88
Canada						
United States	.....	.....	.....	.....	.....	.....

Source: PESS:02/15/200. NA not applicable: no cases reported

*Provisional data

.....Not available data

█ >= 80%

□ < 80%

PROPORTION OF ACUTE FLACCID PARALYSIS CASES INVESTIGATED < 48 HOURS

AMERICA REGION 1995-2000

Sub-region/Country	1995	1996	1997	1998	1999	2000*
Andean	79	78	83	79	81	82
Bolivia	95	85	93	92	74	92
Colombia	84	86	89	85	84	88
Ecuador	96	96	93	93	96	89
Peru	82	87	95	86	99	97
Venezuela	79	74	82	82	80	96
Brazil	88	86	81	89	84	86
Brazil	88	86	81	89	84	86
Central America	80	82	87	88	80	82
Costa Rica	80	92	91	86	92	95
El Salvador	92	72	94	91	56	44
Guatemala	59	84	75	84	97	92
Honduras	90	98	100	100	98	98
Nicaragua	75	80	89	93	93	100
Panama	100	89	100	100	67	80
English-speaking Caribbean	82	88	28	8	50	84
Anguilla	NA	NA	NA	NA	NA	NA
Antigua & Barbuda	NA	100	NA	NA	NA	NA
Bahamas	NA	NA	NA	NA	NA	NA
Barbados	0	100	NA	NA	NA	NA
Belize	NA	NA	100	NA	NA	NA
Bermuda	NA	NA	NA	NA	NA	NA
Cayman Islands	NA	NA	NA	NA	NA	NA
Dominica	NA	NA	NA	NA	NA	NA
Grenada	NA	NA	NA	NA	NA	NA
Guyana	100	75	100	0	75	100
Jamaica	90	60	20	0	75	100
Montserrat	NA	NA	NA	NA	NA	NA
St. Kitts&Nevis	NA	NA	NA	NA	NA	NA
St. Lucia	NA	NA	NA	NA	NA	NA
St. Vincent&Grenadines	NA	NA	100	NA	NA	NA
Suriname	NA	100	100	100	100	50
Trinidad&Tobago	90	88	0	0	100	100
Turks&Caicos	NA	NA	NA	NA	NA	NA
British Virgin Islands	NA	NA	NA	NA	NA	NA
French-speaking Caribbean	85	81	89	88	85	87
Cuba	97	96	97	96	97	100
Dominican Republic	93	89	77	91	90	94
Haiti	NA	100	NA	100	0	0
Mexico	92	94	98	86	92	96
North America	89	89	89	89	89	89
Canada	.....	.....	.....	.....	.....	.....
United States	.....	.....	.....	.....	.....	.....
South America	69	69	69	69	69	69
Argentina	59	73	56	40	92	91
Chile	52	62	62	62	64	89
Paraguay	100	100	100	100	72	79
Uruguay	88	40	100	100	75	100

Source: PESS:02/15/2001

NA not applicable: no cases reported

*Provisional data

..... Not available data

PROPORTION OF ACUTE FLACCID PARALYSIS CASES INVESTIGATED < 48 HOURS

AMERICA REGION 1995-2000

Sub-region/Country	1995	1996	1997	1998	1999	2000*
Andean						
Bolivia	95	85	83	92	74	92
Colombia	84	86	89	85	84	88
Ecuador	96	96	93	93	96	89
Peru	82	87	95	88	89	97
Venezuela	79	74	62	62	80	86
Brazil						
Brazil	88	86	81	89	84	86
Central America						
Costa Rica	80	92	91	86	92	95
El Salvador	92	72	94	91	56	44
Guatemala	59	84	75	84	97	92
Honduras	90	98	100	100	98	98
Nicaragua	75	80	89	93	93	100
Panama	100	89	100	100	67	60
English speaking Caribbean						
Carec countries	92	80	29	8	50	64
Latin Caribbean						
Cuba	97	96	97	96	97	100
Dominican Republic	93	89	77	91	90	94
Haiti	NA	100	NA	100	0	0
Mexico						
Mexico	82	84	88	86	92	86
North America						
Canada	.....	.....	.....	.....	.....	.....
United States	.....	.....	.....	.....	.....	.....
Southern cone						
Argentina	59	73	56	40	92	88
Chile	52	62	62	62	64	89
Paraguay	100	100	100	100	72	79
Uruguay	89	40	80	100	75	80
TOTAL	82	85	85	81	84	89

Source: PESS:02/15/2001

NA not applicable: no cases reported

*Provisional data

..... Not available data

**PROPORTION OF SITES REPORTING
AMERICA REGION 1995-2000**

Country	1995	1996	1997	1998	1999	2000*
Andean						
Bolivia	82	86	85	91	72	95
Colombia	88	87	83	85	83	86
Ecuador	83	88	92	85	94	95
Peru	82	92	92	86	91	86
Venezuela	88	88	84	85	84	88
Brazil						
Brazil	83	91	91	84	82	85
Central America						
Costa Rica	93	81	97	97	89	94
El Salvador	82	89	86	77	0	64
Guatemala	75	86	72	85	61	94
Honduras	94	81	80	82	82	88
Nicaragua	89	98	88	88	80	80
Panama	88	91	91	91	93	88
English speaking Caribbean						
Carec countries	100	.....	.....	100	82	83
Latin Caribbean						
Cuba	94	95	88	98	88	85
Dominican Republic	98	100	88	82	50	80
Haiti	65	83	0	85	57	44
Mexico						
Mexico	89	80	91	84	95	80
Southern cone						
Argentina	0	81	82	43	88	100
Chile	97	89	89	88	89	82
Paraguay	93	89	89	97	89	79
Uruguay	.....	80	50	32	.....	.....
Canada	.....	.....	.....	.....	.....	.....
United States	.....	.....	.....	.....	.....	.....

Source: PESS:02/15/2001
..... Not available data

NA not applicable: no cases reported
..... >= 80%

*Provisional data
..... < 80%

**% ISOLATION ENTEROVIRUSES
AMERICA REGION 1995-2000**

Sub-region/Country	1995	1996	1997	1998	1999	2000*
Andean	17	20	13	15	14	12
Bolivia	21	21	28	21	19	13
Colombia	14	20	9	12	11	12
Ecuador	10	8	10	5	18	14
Peru	27	21	24	23	18	5
Venezuela	17	24	11	24	8	11
Brazil	20	18	17	19	13	12
Brazil	20	18	17	19	13	12
Central America	32	27	21	22	12	12
Costa Rica	13	0	0	18	6	0
El Salvador	47	30	22	18	9	8
Guatemala	31	27	28	25	5	12
Honduras	39	38	24	38	11	19
Nicaragua	11	20	11	9	30	7
Panama	10	0	0	18	7	0
English speaking Caribbean	32	19	13	16	17	14
Latin Caribbean	7	25	16	13	0	30
Cuba	7	36	22	4	0	8
Dominican Republic	7	0	9	18	0	36
Haiti	NA	0	NA	50	0	17
Mexico	24	23	15	13	10	23
Mexico	24	23	15	13	10	23
North America						
Canada						
United States	.....	.....	.....	.....	.....	.....
Southern Cone	18	20	21	28	17	10
Argentina	25	35	23	29	22	11
Chile	13	9	17	25	9	10
Paraguay	15	48	40	50	36	26
Uruguay	14	17	10	0	0	0

Source PESS:02/15/2001

..... Not available data

*Provisional data

**% ISOLATION ENTEROVIRUSES
AMERICA REGION 1995-2000**

Sub-region/Country	1995	1996	1997	1998	1999	2000*
Andean						
Bolivia	21	21	28	21	19	19
Colombia	14	20	9	12	11	12
Ecuador	10	8	10	5	18	14
Peru	27	21	24	23	18	5
Venezuela	17	24	11	24	8	11
Brazil						
Brazil	20	18	17	18	13	12
Central America						
Costa Rica	13	0	0	18	6	.....
El Salvador	47	30	22	18	9	9
Guatemala	31	27	28	25	5	12
Honduras	39	38	24	38	11	19
Nicaragua	11	20	11	9	39	7
Panama	10	0	0	18	7	0
English speaking Caribbean						
Carec countries	32	19	13	18	17	0
Latin Caribbean						
Cuba	7	36	22	4	0	8
Dominican Republic	7	0	9	18	0	36
Haiti	NA	NA	NA	50	0	17
Mexico						
Mexico	24	23	15	13	19	18
Southern cone						
Argentina	23	35	23	28	23	18
Chile	13	9	17	25	9	0
Paraguay	15	46	10	35	35	18
Uruguay	14	17	10	0	0	0
North America						
Canada						
United States	.....	.....	.....	.....	.....	.....

Source: PESS:02/15/2001

NA not applicable: no cases reported

*Provisional data

.....Not available data

1995-1997

1998-2000

 >=10%

 <10%

New Importation of Wild Poliovirus into Canada

In March 1996, the Laboratory Centre for Disease Control (LCDC) in Ottawa, Canada was notified of the isolation of wild strain poliovirus type 1 from the stool of a 15-month old boy in Ontario¹. The stool specimen was taken on February 23, 1996. The child had recently returned with his parents from a 3-month stay in India from November 20, 1995 through February 17, 1996. He developed diarrhea and weight loss shortly after his return to Canada but no additional symptoms were reported. While in India, the child's mother was reportedly advised to have him vaccinated with live oral polio vaccine because of an ongoing polio outbreak in the Amritsar District of Punjab State where the family travelled. No oral polio vaccine was given to the child. However, he was appropriately immunized for his age with killed polio vaccine at 2, 4 and 6 months of age.

Cryptosporidium was also isolated from the stool and was thought to be the cause of the child's diarrhea, with the poliovirus being an incidental finding only. As part of the strategy for monitoring poliovirus activity in Canada, all polio isolates are forwarded to the National Centre for Enteroviruses (NCEV) for strain identification. Using polymerase chain reaction methods, the NCEV typed the polio isolate as wild strain virus. In collaboration with the U.S. Centers for Disease Control and Prevention, further sequencing identified the virus as most closely linked (95.3% homology) with the wild virus from a 1993 case in New Delhi. The next most closely matched isolates were from northern India (Delhi, 1993) and Nepal (1991).

No paralytic disease was reported in association with this importation. Both parents were advised to see their family doctor to update their immunizations; there were no siblings. Other contacts in the extended family, including diaper-changing contacts, were also given the same advice. Immediate steps were taken by local public health authorities and the NCEV to inform LCDC of the importation; LCDC in turn notified the Pan American Health Organization.

Although this wild virus importation was an isolated incident with no evidence of transmission, it served as an important reminder to public health workers of how quickly wild poliovirus can travel in the modern jet age. The incident also emphasized the need for continued alertness to the potential risk of poliovirus importation to Canada. This marks the second time that importation of wild poliovirus has been recognized in the American Region since the last case of indigenous polio occurred in August 1991, and the first time since the American Region was certified as polio-free in September 1994. In 1993, wild poliovirus was isolated in Alberta through active surveillance activities following an outbreak in the Netherlands^{2,3}. No clinical cases of polio were identified in Canada during that outbreak, despite enhanced surveillance.

That the reporting system worked efficiently in spite of the absence of paralytic illness is an example of Canada's continuing commitment to polio surveillance and alertness to the potential for virus importation. Currently, active surveillance of acute flaccid paralysis (AFP) in Canada is

carried out through two programs: the Immunization Monitoring Program Active (IMPACT) network, a pediatric hospital-based system; and the Canadian Pediatric Surveillance Program, a national pediatrician-based reporting program initiated in January, 1996.

References

1. Ontario Ministry of Health. *Wild type poliovirus isolated in Hamilton*. Public Health Epidemiology Report Ontario 1996;7:51-2.
2. Health and Welfare Canada. *Wild poliovirus isolated in Alberta*. 1993. CCDC 1993;19:57-8.
3. Health and Welfare Canada. *Genomic analysis of type 3 wild poliovirus isolates in Southern Alberta*. CCDC 1993;19:96-9.

Source: Division of Immunization, Bureau of Infectious Diseases, Laboratory Centre for Disease Control, Ottawa (Drs. A. Bentsi-Enchill and P. Duclos) and the Working Group on Polio Eradication (Members: Drs. J. Carlson (Chair), A. Bell, N. Cashman, S. Lee, V. Marchessault, L. Palkonyay, Y. Robert and J. Waters).

Acknowledgment: LCDC and the Working Group on Polio Eradication would like to acknowledge the prompt response and cooperation of Dr. Monika Naus, Disease Control Service, Ontario Ministry of Health; and the health care personnel of the Hamilton-Wentworth Department of Public Health Services.

Editorial Note: The March importation of wild poliovirus into Canada represents the fourth instance of wild virus importation to the Western Hemisphere. Polio was eradicated in the Americas in 1994, with the last case occurring in 1991. As reported in the *EPI Newsletter* of April 1995, during 1978 a total of 11 people suffered from paralytic poliomyelitis due to wild poliovirus imported from the Netherlands in Canada. In 1988, the last paralytic poliomyelitis case in Canada resulted from wild poliovirus type 1 imported from India; in 1993, an active search identified an importation of wild poliovirus 3, once again from The Netherlands. The cases linked to outbreaks in The Netherlands have been traced to religious communities who refuse immunization.

The latest importation is of great concern to PAHO given the deterioration of the acute flaccid paralysis (AFP) surveillance indicators, which are used to detect possible circulation of poliovirus. Vaccination coverage has also declined in some countries of the Region.

The fact that there has been evidence of importation in four separate instances in Canada, and evidence of circulation associated with at least two instances, raises the question of whether this is happening elsewhere in the Americas. As the above article states, Canada has maintained a highly sensitive and efficient surveillance system for poliomyelitis; the system has proven effective despite the absence of paralytic illness. This enabled health officials in that country to quickly detect the most recent importation and communicate it worldwide. However, if this state of alertness is not maintained in the rest of the currently polio-free countries of the Americas, we could face the re-introduction of the disease to the Western Hemisphere.


Another aspect to highlight from these incidents is the fact that both children linked to the wild poliovirus importations in 1988 and in March of this year had received three

AFP Surveillance Indicators

doses of the inactivated polio vaccine (IPV). Unlike IPV the oral polio vaccine (OPV), being used to eradicate polio worldwide, induces antibodies against polio both in the blood and the intestines. Because the polio virus multiplies in the intestines and is spread through the feces, high levels of intestinal immunity are needed to stop the spread of the wild polio virus. OPV also protects unimmunized children by stopping the spread of wild poliovirus. For this reason, it is important that OPV continues to be used in all countries until global polio eradication is achieved.

The lack of cases in the Western Hemisphere can lead to a false sense of security, as often happens when a disease is rare. PAHO calls the attention of health officials in every country of the Americas to mobilize their health workers to actively search and investigate every case of AFP. It would be a tragedy if the Region loses one of its greatest public health achievements. Polio was a major cause of childhood morbidity and mortality and its successful eradication from the Western Hemisphere has become an example to the world and a tribute to the joint efforts of national governments, health workers, communities and donor agencies.

Country	80% weekly reporting units	80% of cases investigated within 48 hours	80% of cases with 1 adequate stool sample taken	AFP rate \leq 1:100,000 in children <15 years
Chile				
Colombia				
El Salvador				
Honduras				
Nicaragua				
Paraguay				
Peru				
Venezuela				
Bolivia				
Costa Rica				
Cuba				
Dominican Republic				
Ecuador				
Haiti				
Mexico				
Panama				
Brazil				
Guatemala				
Uruguay				
Argentina				

 Meet criteria
 Source: SVI/PAHO (PESS)
 * Data as of 29 June 1996

Source: EPI Newsletter, Volume XVIII, Number 4
 August 1996.

SECTION 3

COMPATIBLE CASES: 1995 - 2000

**NUMBER OF COMPATIBLE CASES
AMERICA REGION 1995-2000**

Sub-region/Country	1995	1996	1997	1998	1999	2000*
Andean	2	0	5	10	2	0
Bolivia	0	0	0	0	0	0
Colombia	0	0	5	10	2	0
Ecuador	1	0	0	0	0	0
Peru	1	0	0	0	0	0
Venezuela	0	0	0	0	0	0
Brazil	6	13	4	4	7	10
Brazil	6	13	4	4	7	10
Central America	0	1	5	1	3	3
Costa Rica	0	0	0	0	0	0
El Salvador	0	0	0	0	0	0
Guatemala	0	1	5	1	3	3
Honduras	0	0	0	0	0	0
Nicaragua	0	0	0	0	0	0
Panama	0	0	0	0	0	0
English speaking Caribbean	0	0	0	0	0	0
Anguilla	0	0	0	0	0	0
Antigua & Barbuda	0	0	0	0	0	0
Bahamas	0	0	0	0	0	0
Barbados	0	0	0	0	0	0
Belize	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0
Cayman Islands	0	0	0	0	0	0
Dominica	0	0	0	0	0	0
Grenada	0	0	0	0	0	0
Guyana	0	0	0	0	0	0
Jamaica	0	0	0	0	0	0
Montserrat	0	0	0	0	0	0
St. Kitts&Nevis	0	0	0	0	0	0
St. Lucia	0	0	0	0	0	0
St. Vincent&Grenadines	0	0	0	0	0	0
Suriname	0	0	0	0	0	0
Trinidad&Tobago	0	0	0	0	0	0
Turks&Caicos	0	0	0	0	0	0
British Virgin Islands	0	0	0	0	0	0
French speaking Caribbean	0	0	0	0	0	0
Cuba	0	0	0	0	0	0
Dominican Republic	0	0	0	0	0	0
Haiti	0	0	0	0	0	0
French speaking Latin America	0	0	0	0	0	0
Mexico	4	4	2	0	0	0
North America	0	0	0	0	0	0
Canada	0	0	0	0	0	0
United States	0	0	0	0	0	0
Spanish speaking Latin America	0	0	0	0	0	0
Argentina	0	0	0	0	0	0
Chile	0	0	0	0	0	0
Paraguay	0	0	0	0	0	0
Uruguay	0	0	0	0	0	0
	12	18	10	15	12	3

Source: PESS:02/15/2001

*Provisional data

POLIO COMPATIBLE CASES BY COUNTRY
American Region, 1995 - 2000
1995-2000

Pais	Year							Total
	1995	1996	1997	1998	1999	2000		
Colombia	0	0	5	10	2	0	17	
Brazil	6	13	4	4	7	10	44	
Guatemala	0	1	5	1	3	3	13	
Mexico	4	4	2	0	0	0	10	
Peru	1	0	0	0	0	0	1	
Ecuador	1	0	0	0	0	0	1	
Total	12	18	16	15	12	13	86	

Date: March 19th, 2001

Source: PESS

POLIO COMPATIBLE CASES BY CLASSIFICATION CRITERIA
American Region, 1995, 2000

Country	Criteria		
	Death	Residual paralysis	Lost
Colombia	3	3	11
Brazil	1	29	14
Guatemala	13	0	0
Peru	1	0	0
Ecuador	0	0	1
Mexico	10	0	0

Date: March 19th, 2001

Source: PESS

POLIO COMPATIBLE CASES
American Region, 1995 - 2000

Country	Age			Fever			Paralysis Progression			Installation (days)			
	< 6 y	>= 6 y	Unk	Yes	No	Unk	Ascending	Descending	None	Unk	<=3	>3	Unk
Colombia	8	9	0	10	6	1	9	3	0	5	9	5	3
Brazil	34	9	1	29	12	3	6	3	14	21	26	5	13
Guatemala	9	4	0	7	6	0	13	0	0	0	10	3	0
Peru	0	1	0	1	0	0	0	1	0	0	1	0	0
Ecuador	1	0	0	1	0	0	1	0	0	0	1	0	0
Mexico	8	2	0	4	5	1	9	1	0	0	8	2	0
Total	60	26	1	62	29	5	38	8	14	26	55	15	16

Date: March 19th, 2001

Source: PESS

BRAZIL POLIO COMPATIBLE CASES 1995-2000

EPI No.	County	Age (years)	OPV doses	Date of last OPV dose	Classification criteria	Days between onset and specimen	Lab. results	Clinical Hypothesis	Fever onset
95-CE018	Maracanao	11	Unk	Unk	Lost	not taken	n.a.	Unk	yes
95-GO007	S. Luiz Norte	7	4	08/28/1992	sequelae	51	neg.	Pyram?	yes
95-PE006	Recife	7	Unk	Unk	sequelae	not taken	n.a.	GBS	yes
95-RO007	Alvorada	0	2	01/06/1995	sequelae	not taken	n.a.	Myeloph?	yes
95-SC006	Canelinha	Unk	1	02/12/1994	sequelae	106	neg.	Unk	Unk
95-SC010	Agua Doce	0	1	05/15/1995	sequelae	not taken	n.a.	VAPP	Unk
96-AC001	Rio Branco	3	0	n.a.	Lost	not taken	n.a.	GBS	yes
96-AL004	Maceio	6	0	n.a.	sequelae	6	lost	Unk	yes
96-BA029	Salvador	0	2	06/15/1996	sequelae	30	neg.	VAPP	no
96-ES007	Vitoria	0	4	06/15/1996	sequelae	not taken	n.a.	Unk	yes
96-GO010	Trinidad	2	0	n.a.	Lost	not taken	n.a.	Polyradicu	no
96-MG012	Uberaba	0	3	03/15/1996	sequelae	25	neg.	Meningitis	yes
96-PR005	S. Miguel Igua.	0	1	02/23/1996	sequelae	15	neg.	Poliomyel	yes
96-PR021	Maringa	3	9	10/21/1995	sequelae	120	neg.	Legg Perthers	yes
96-RJ028	Rio de Janeiro	4	0	n.a.	Lost	not taken	n.a.	GBS	yes
96-SP024	Ijuverava	19	4	06/14/1980	sequelae	35	neg.	Poliomyel	no
96-SP040	S. Bernardo	1	1	01/29/1996	Lost	not taken	n.a.	Polyradicu?	yes
96-SP048	Lins	1	6	08/17/1996	Death	not taken	n.a.	Aseptic mening	yes
96-SP056	J. Bonifacio	5	5	08/17/1996	sequelae	not taken	n.a.	Poliomyel	yes
97-BA025	T. Brejo Velho	5	4	06/15/1996	sequelae	58	neg.	GBS	yes
97-RJ026	Tres Rios	0	1	08/16/1997	Lost	36	neg.	VAPP	yes
97-RJ046	Rio de Janeiro	3	7	06/20/1998	sequelae	not taken	n.a.	Myelitis/Tumor	yes
97-RS026	Sarandi	5	2	10/25/1997	sequelae	46	E.N.P.	Neuritis	yes
98-AM008	Codajas	4	0	n.a.	Lost	15	neg.	Unk	yes
98-AP003	Cuias	3	3	07/08/1998	sequelae	not taken	n.a.	GBS	yes
98-RJ010	Rio de Janeiro	12	0	n.a.	sequelae	not taken	n.a.	GBS	yes
98-SP011	Hortolandia	1	4	10/25/1997	sequelae	27	neg.	GBS	yes
99-ES004	Brejetuba	5	8	08/14/1999	Lost	40	neg.	Schistosoma	no
99-PB005	Itabaiana	0	3	10/16/1999	sequelae	not taken	n.a.	Sciatic trauma	yes
99-MS004	Ponta Porã	1	4	05/14/1999	sequelae	not taken	n.a.	Unk	Unk
99-PE031	Altino	2	3	01/16/1999	sequelae	18	neg.	Unk	yes
99-RO004	Rolim de Moura	0	1	02/26/1999	sequelae	17	E.N.P.	GBS	yes
99-RO009	Jaru	2	Unk	n.a.	Lost	23	E.N.P.	Unk	no
99-SP047	Diadema	5	2	10/16/1999	Lost	not taken	n.a.	Unk	no
00-GO003	Formosa	7	8	06/15/1996	sequelae	22	neg.	Unk	yes
00-PE008	Paulista	2	4	05/24/2000	sequelae	16	neg.	Myeloradiculo	no
00-SC003	Itajai	3	7	08/14/1999	sequelae	34	neg.	Unk	yes
00-BA023	Camacari	0	4	07/02/2000	sequelae	190	neg.	Unk	no
00-SP069	Assis	7	4	03/30/1994	Lost	not taken	n.a.	Unk	no
00-SP010	Diadema	5	Unk	n.a.	sequelae	not taken	n.a.	Unk	no
00-SP026	Guarulhos	10	Unk	n.a.	Lost	16	neg.	Unk	no
00-SP062	Itapeericca	11	Unk	n.a.	Lost	not taken	n.a.	Unk	no
00-SP033	Riberao Pires	1	6	10/16/1999	sequelae	not taken	n.a.	Unk	yes
00-SP032	São Paulo	1	0	n.a.	Lost	not taken	n.a.	Unk	yes

BRAZIL
POLIO COMPATIBLE CASES 1995-2000

EPI No.	Paralysis			County population (Year case occurred)		OPV 3 COVERAGE IN THAT MUNICIPALITY				
	Installa Days	Progression	Proximal/ Distal?	< 1 año	Total	1996	1997	1998	1999	2000
95-CE018	≤ 3	none	both	4,583	184,015	88	117	138	105	94
95-GO007	Unk	Unk	Unk	111	4,568	41	152	70	190	118
95-PE006	≤ 3	Unk	Unk	25,116	1,354,980	130	136	154	122	134
95-RO007	Unk	Unk	Unk	756	25,762	61	123	124	90	82
95-SC006	Unk	none	Unk	202	8,726	81	66	91	109	129
95-SC010	Unk	none	distal	157	7,343	90	56	75	108	87
96-AC001	≤ 3	Unk	proximal	5,553	207,731	96	87	85	88	68
96-AL004	Unk	Unk	Unk	16,023	698,898	45	38	73	95	87
96-BA029	≤ 3	Unk	both	41,586	2,270,703	47	76	109	103	106
96-ES007	≤ 3	ascending	both	4,829	280,384	118	148	131	142	133
96-GO010	> 3	none	both	1,346	60,340	45	44	94	82	81
96-MG012	Unk	none	both	3,838	321,053	n.d.	78	88	73	102
96-PR005	≤ 3	descending	proximal	420	19,492	125	100	95	68	74
96-PR021	≤ 3	none	proximal	5,050	257,980	93	98	83	97	83
96-RJ028	> 3	Unk	Unk	87,491	5,692,576	80	105	116	114	100
96-SP024	≤ 3	Unk	Unk	612	35,683	98	207	126	100	104
96-SP040	≤ 3	Unk	Unk	11,682	617,649	111	111	118	104	107
96-SP048	≤ 3	ascending	Unk	1,179	62,425	107	104	119	102	100
96-SP056	> 3	none	distal	513	25,187	60	128	125	91	100
97-BA025	≤ 3	Unk	Unk	300	11,975	41	31	26	31	67
97-RJ026	≤ 3	Unk	Unk	1,198	69,000	92	100	116	92	89
97-RJ046	> 3	ascending	Unk	81,219	5,692,576	80	105	116	114	100
97-RS026	≤ 3	none	distal	341	17,448	101	153	113	90	95
98-AM008	Unk	ascending	Unk	462	15,829	149	53	102	37	67
98-AP003	> 3	Unk	distal	75	2,142	n.d.	n.d.	n.d.	39	53
98-RJ010	> 3	none	Unk	84,044	5,645,369	80	105	116	114	100
98-SP011	Unk	none	proximal	2,272	124,064	108	98	125	99	107
99-ES004	≤ 3	none	distal	251	10,115	n.d.	4	46	156	79
99-PB005	Unk	Unk	distal	560	26,199	78	97	114	116	92
99-MS004	Unk	Unk	Unk	1,485	62,784	59	71	89	91	216
99-PE031	≤ 3	Unk	distal	454	21,292	69	130	126	109	104
99-RO004	Unk	ascending	proximal	1,072	45,834	75	115	124	102	99
99-RO009	Unk	Unk	Unk	1,178	50,315	83	127	120	109	92
99-SP047	≤ 3	none	distal	6,468	337,619	100	163	144	130	140
00-GO003	> 3	descending	both	1,867	81,432	78	50	75	60	69
00-PE008	≤ 3	none	both	4,133	253,149	134	152	168	167	182
00-SC003	Unk	Unk	Unk	2,764	148,430	92	137	88	98	92
00-BA023	Unk	none	both	3,341	153,635	15	108	105	101	91
00-SP069	≤ 3	none	distal	1,364	88,882	82	129	91	97	107
00-SP010	Unk	none	both	6,241	338,845	100	163	144	130	140
00-SP026	≤ 3	Unk	Unk	22,824	1,134,819	105	106	116	112	119
00-SP062	≤ 3	none	Unk	3,024	131,860	101	81	105	115	108
00-SP033	≤ 3	Unk	Unk	1,785	111,450	82	119	108	114	131
00-SP032	≤ 3	none	Unk	164,245	10,009,231	82	114	123	124	124

**Annual AFP Rates and OPV3 Coverage by States with Compatible Cases
Brazil, 1995 - 2000**

State	AFP Rate per 100,000 < 15 y by year					Coverage in children < 1 y of age					
	95	96	97	98	99	00	96	97	98	99	00
RO	1.3	1.08	0.91	0.37	1.87	1.14	74	74	74	74	93
AC	0.5	2.2	1.0	0.5	0.0	0.9	63	63	63	63	66
AM	1.9	1.6	1.6	1.6	2.8	1.4	85	85	85	85	97
AP	0.7	2.2	1.4	1.9	0.6	3.3	74	74	74	74	97
CE	0.7	0.8	0.9	0.4	0.9	0.9	103	103	103	103	94
RN	1.0	0.8	0.9	1.0	0.8	1.5	66	66	66	66	85
PB	0.5	0.7	1.0	0.6	0.6	0.8	75	75	75	75	90
PE	0.4	0.8	0.8	0.8	1.1	0.9	119	119	119	119	120
AL	0.6	1.2	0.9	0.5	0.9	1.0	44	44	44	44	67
BA	0.8	0.9	0.7	0.5	0.7	0.9	56	56	56	56	85
MG	0.7	0.3	0.5	0.5	0.5	0.5	70	70	70	70	96
ES	1.1	1.3	0.8	0.3	1.0	0.8	81	81	81	81	112
RJ	0.6	0.6	0.8	0.5	0.7	0.7	78	78	78	78	103
SP	0.3	0.4	0.3	0.4	0.4	0.5	88	88	88	88	111
PR	0.9	0.9	0.9	0.6	0.3	0.7	92	92	92	92	86
SC	0.8	0.5	0.7	0.4	0.8	0.7	84	84	84	84	97
RS	0.7	0.8	0.7	1.0	0.6	0.6	80	80	80	80	98
MS	1.0	0.6	0.8	0.7	0.9	0.4	69	69	69	69	100
GO	0.7	0.5	0.8	0.6	0.6	0.8	82	82	82	82	82

Note: figures in **bold** indicates when and where compatible cases occurred..



MINISTÉRIO DA SAÚDE
FUNDAÇÃO NACIONAL DE SAÚDE
CENTRO NACIONAL DE EPIDEMIOLOGIA
COORDENAÇÃO GERAL DO PROGRAMA NACIONAL DE IMUNIZAÇÕES
 Gerência de Análise de Dados de Imunizações

OPV Coverage in children <5 years of age by year and State during NID
BRAZIL, 1995 - 2000

STATE	Rounds '95		Rounds '96		Rounds '97		Rounds '98		Rounds '99		Rounds '00	
	1st %	2nd %	1st %	2nd %	1st %	2nd %	1st %	2nd %	1st %	2nd %	1st %	2nd %
RO	85	94	93	94	100	91	98	96	94	96	102	98
AC	86	83	92	94	99	96	93	98	100	100	87	101
AM	85	83	84	93	96	88	83	77	80	89	85	92
RR	100	95	96	97	100	100	100	93	100	100	113	97
PA	100	100	100	100	100	100	100	100	100	100	99	106
AP	100	83	96	93	92	93	91	87	100	98	98	104
TO	96	90	93	95	100	100	100	100	100	100	107	104
MA	94	82	90	99	100	100	98	100	98	100	95	95
PI	92	95	96	95	100	100	100	100	100	100	102	101
CE	99	97	97	100	100	100	100	100	100	100	102	102
RN	89	88	95	91	100	100	100	91	100	97	95	97
PB	93	92	92	93	100	100	99	100	100	100	97	98
PE	100	100	99	100	100	100	100	100	100	100	108	109
AL	100	98	97	100	100	100	100	100	100	100	103	103
SE	94	96	98	100	100	100	100	100	100	100	102	102
BA	90	84	90	91	100	97	99	100	96	95	93	96
MG	93	94	98	96	100	100	95	100	100	99	99	98
ES	100	92	98	99	100	100	100	100	100	100	108	106
RJ	96	93	96	100	100	100	100	100	100	100	106	120
SP	97	100	94	97	100	99	100	100	100	100	106	110
PR	100	100	100	100	100	100	100	100	99	100	99	101
SC	100	96	99	99	100	100	100	100	100	98	99	99
RS	97	92	93	98	100	99	100	100	100	100	98	97
MS	94	88	93	100	100	99	100	95	100	98	99	112
MT	97	97	95	95	100	99	100	100	96	96	100	114
GO	100	100	100	100	100	100	100	100	100	100	101	102
DF	100	100	100	100	100	100	100	100	100	100	106	110
BRAZI	97	95	96	99	100	100	100	100	100	100	101	104

Source: MOH, BRAZIL

Table formatted by PAHO to be presented at Sixth Meeting of GCCPE.

COLOMBIA
POLIO COMPATIBLE CASES 1995-2000

EPI No.	Dept, Est or Prov/ Municipality	Age (years)	OPV doses	Date last OPV	Classif. Criteria	Days between paralysis onset and specimen	Lab. Results	Final diag.	Fever at onset	Paralysis		Contacts Lab. Result	OPV3 COVERAGE IN CHILDREN (< 1 year of age)						
										Days for incubation	Progression		Proximal/ Distal?	< 1 mo	Total	1996	1997	1998	1999	2000
97-083	Boyacá-Saboyá	1	3	06/07/1997	Lost	Specimen lost		Unk	No	1	Ascending	Distal	331	13,947	87.4	82.8	73.5	64.0	89.1
97-181	Cauca-Popayán	14	Unk	Unk	Lost	14	Neg	Unk	No	6	Ascending	Distal	5,741	224,292	84.0	100.0	61.6	68.4	70.0
97-127	Cundinamarca-Pacho	4	3	Unk	Sequelae	22		GBS	No	4	Ascending	Distal	624	31,839	93.0	80.0	76.0	96.0	75.2
97-064	Valle-Cali	8	8	Unk	Lost	4		GBS	Yes	1	Descend	Distal	44,942	2,161,130	95.4	80.0	77.4	58.7	76.5*
97-163	Valle-Cali	11	3	Unk	Lost	11		Unk	Yes	1	Ascending	Distal	44,942	2,161,130	95.4	80.0	77.4	58.7	76.5*
98-096	Antioquia-La Estrella	4	5	09/27/1997	Sequelae	58	Neg	Unk	Yes	1	Descend	Distal	1,112	49,902	117.0	96.6	113.4	61.9	46.9
98-178	Atlántico-Barranquilla	4	3	Unk	Lost	Not collected		GBS	No	1	Ascending	Distal	28,911	1,252,193	103.8	84.0	86.0	83.0	94.3
98-113	Bogotá	3	Unk	Unk	Sequelae	19	Neg	GBS	No	3	Ascending	Distal	133,691	6,437,841	95.0	86.7	79.0	76.9	66.6
98-035	Boyacá-Boyacá	6	Unk	Unk	Lost	64	Neg	GBS	Yes	Unk	Unk	Distal	140	6,881	87.2	102.7	77.7	85.8	97.1
98-054	Caquetá-Florencia	2	0	Unk	Lost	63	Neg	Polio	Yes	1	Descend	Distal	4,073	130,500	94.0	100.0	140.0	115.0	83.0
98-073	Meta-Villavicencio	6	5	10/11/1997	Lost	28	Neg	GBS	Yes	4	Ascending	Both	8,359	322,736	74.0	100.6	67.3	52.2	79.2
98-024	Valle-Cali	13	Unk	Unk	Lost	2		Unk	No	7	Unk	Distal	44,942	2,161,130	95.4	80.0	77.4	58.7	76.5*
98-129	Valle-Cali	5	3	11/16/1995	Lost	20	Neg	Polio	No	12	Ascending	Distal	44,942	2,161,130	95.4	80.0	77.4	58.7	76.5*
98-160	Valle-Cali	4	Unk	Unk	Lost	No specimen		Meningitis	Yes	2	Ascending	Both	44,942	2,161,130	95.4	80.0	77.4	58.7	76.5*
98-183	Valle-La Unión	2	4	05/16/1998	Death	No specimen		Intoxication	Yes	Unk	Unk	Both	332	30,162	98.0	106.0	95.0	95.0	92.0
99-079	Putumayo-Fuente Asis	7	Unk	Unk	Lost	No specimen		Unk	Unk	Unk	Unk	Unk	1,946	61,303	80.7	77.0	57.4	50.1	51.5
99-028	Quindío-Armenia	8	3	06/18/1991	Death	No specimen		GBS	Yes	1	Unk	Unk	5,858	294,500	91.0	89.7	75.4	83.2	77.4

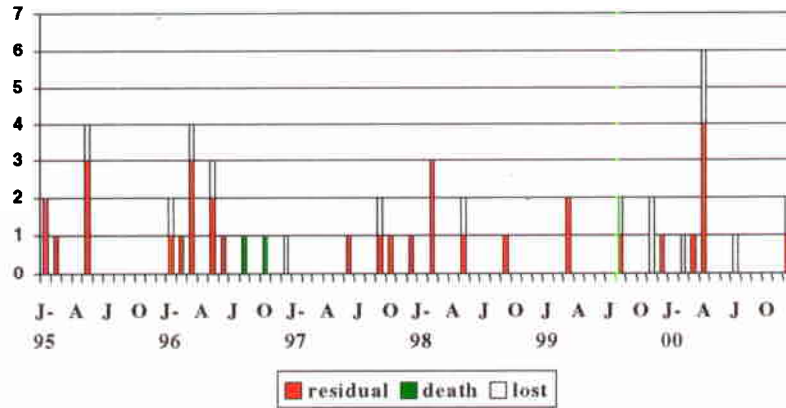
GUATEMALA
POLIO COMPATIBLE CASES 1995-2000

EPI No.	Dpto, Est o Prov/ Municipality	Age (years)	OPV Doses	Date of last Opv dose	Classifi. criteria	Specimen collected	Final Diag.	Fever at onset	Paralysis			County population (year case occurred)		OPV3 COVERAGE IN CHILDREN <(y of age)				
									Installation (days)	Progression	Proximal/ Distal?	< 1 año	Total	1996	1997	1998	1999	2000*
95-038	Guate sur/ Mixco	9	2	Unk	Death	No	GBS	NO	1	Ascending	Distal	10,937	440,064	N/D	N/D	114	147	95
96-017	Sac/Sta Maria	2	1	06/15/1995	Death	No	GBS	NO	4	Ascending	Both	548	15,790	39	39	50	53	57
97-019	Esc/Sta Lucia	6	4	03/17/1995	Death	No	GBS	Yes	5	Ascending	Unk	2,227	63,985	57	82	81	67	97
97-029	Reu/Champerico	3	4	10/15/1996	Death	No	GBS	Yes	1	Ascending	Distal	812	23,195	81	93	93	93	90
97-050	Guate sur/	2	0	Unk	Death	No	GBS	NO	2	Ascending	Unk	62,644	N/D	N/D	N/D	96	87	90
97-058	Sac/Jocotenango	12	Unk	Unk	Death	No	GBS	Yes	2	Ascending	Distal	430	25,518	42	61	96	98	91
97-061	Solola/Sololá	2	4	Unk	Death	No	GBS	NO	3	Ascending	Unk	1,815	48,661	86	91	75	82	89
98-048	Quet/Quetzaltenango	4	4	07/16/1995	Death	No	GBS	NO	3	Ascending	Distal	20,375	148,109	77	88	105	91	100
99-011	Escuintla	3	3	06/15/1997	Death	No	GBS	Yes	2	Ascending	Distal	14,282	113,319	74	93	85	99	79
99-040	Sac/Sumpango	5	6	06/29/1999	Death	No	GBS	Yes	1	Ascending	Proximal/	920	27,785	60	101	84	68	96
99-052	Gut/S. Juan Sacatepéc	7	4	06/06/1995	Death	No	GBS	NO	1	Ascending	Proximal/	4,373	N/D	N/D	N/D	96	87	90
00-016	Hue/Democracia	3	4	11/05/1997	Death	No	GBS	Yes	3	Ascending	Proximal/	1,775	44,976	N/D	48	100	99	84
00-054	Gut/Guatemala	13	4	Unk	Death	No	GBS	NO	1	Ascending	Distal	4,373	N/D	N/D	N/D	108	102	92
00-055	Reu/Champerico	1	0	NO	Death	No	GBS	Yes	5	Ascending	Proximal/	812	23,195	81	93	93	93	90

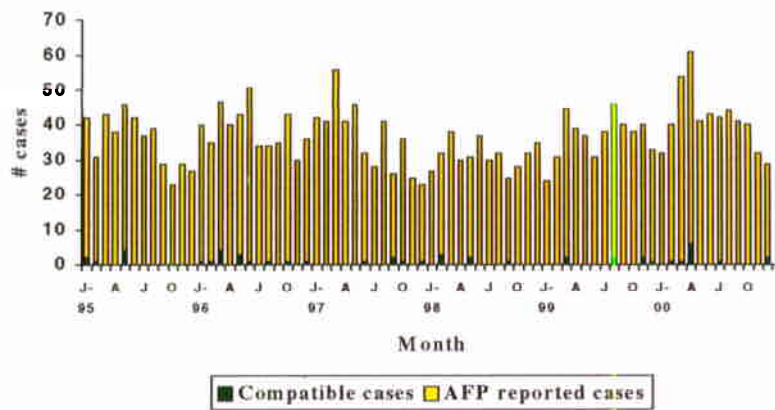
MEXICO
POLIO COMPATIBLE CASES 1995-2000

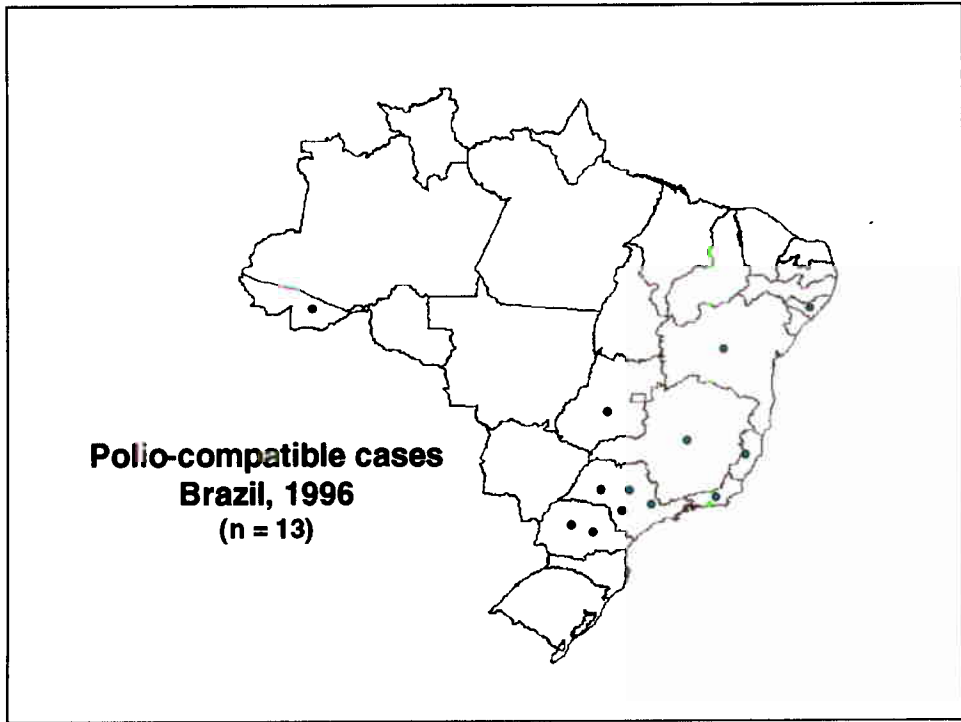
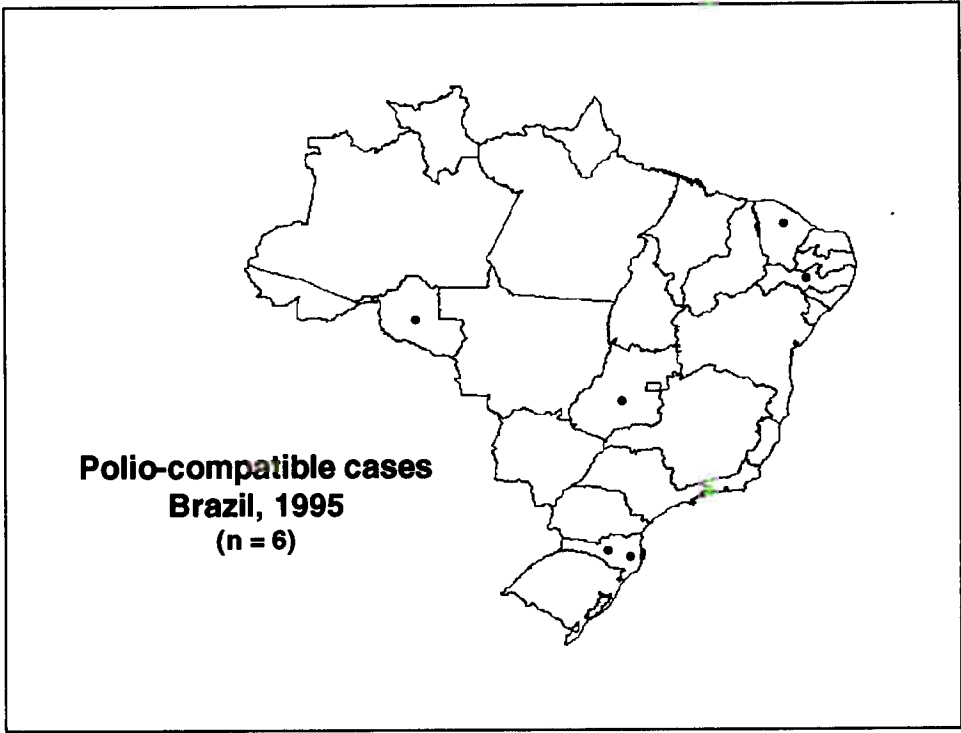
EPI No.	Epi. Est. or Province	Age (years)	Day of onset	Date of onset	Classification	Days between onset of paralysis and specimen	Lab. result	Final Diagn.	Fever at onset	Paralysis		
										Installation (days)	Progression	Proximal/Distal?
95-362	LEON-GTO	0	Unk	Unk	Death	No specimen	n/a	GBS	Yes	2	Ascending	Both
95-134	BENITO JUAREZ QR	1	4	02/25/95	Death	No specimen	n/a	GBS	Yes	3	Ascending	Both
95-167	VILLA JUAREZ SLP	3	5	02/27/93	Death	No specimen	n/a	GBS	No	1	Ascending	Both
95-080	SAN ANDRES TUXTLA VER	2	3	11/16/94	Death	No specimen	n/a	GBS	No	1	Ascending	Both
96-104	TIJUANA B.C	4	6	06/24/95	Death	No specimen	n/a	GBS	No	1	Ascending	Both
96-393	TAPACHULA CHIS	4	1	Unk	Death	No specimen	n/a	GBS	No	5	Ascending	Both
96-461	XICHU GTO	1	7	05/13/96	Death	No specimen	n/a	GBS	UK	4	Ascending	Both
96-020	TUTEPEC-OAX	12	Unk	Unk	Death	No specimen	n/a	GBS	No	2	Ascending	Both
97-445	SAN JUAN IXHUATEPEC-MEX	2	Unk	Unk	Death	No specimen	n/a	GBS	Yes	1	Ascending	Both
97-344	TUZANTLE-MICH	10	Unk	Unk	Death	No specimen	n/a	GBS	Yes	1	Both	Both

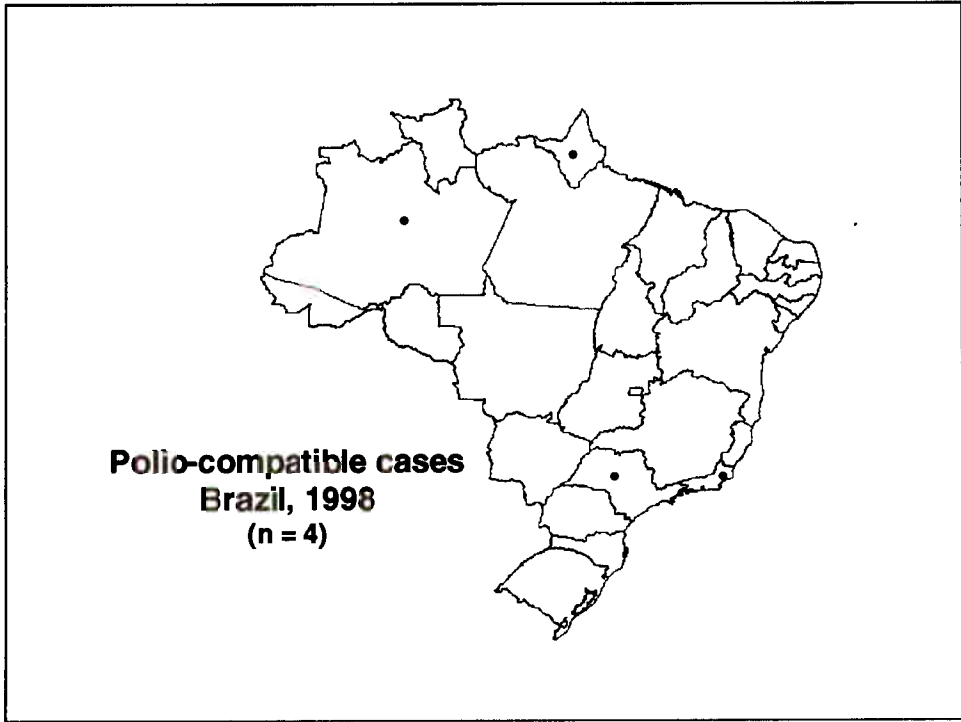
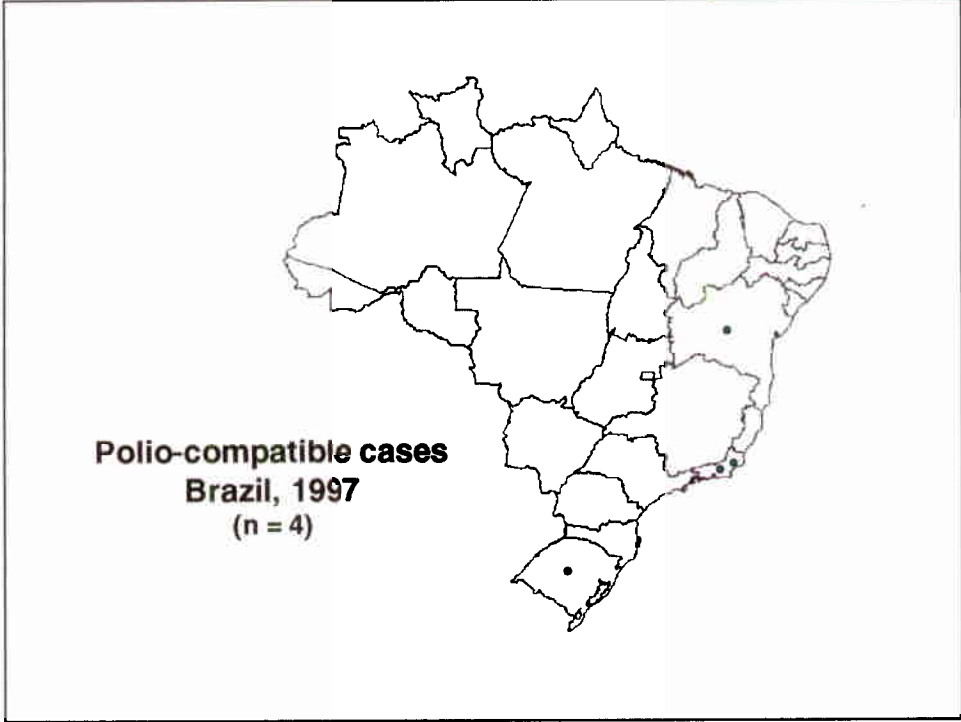
Compatible cases by classification criteria Brazil, 1995-2000

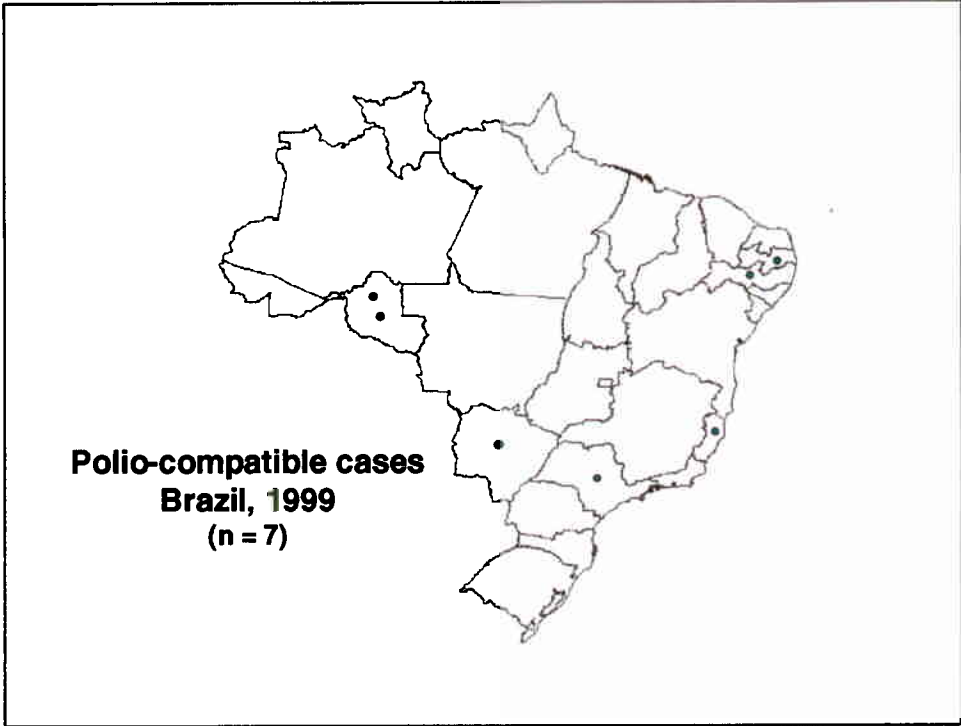


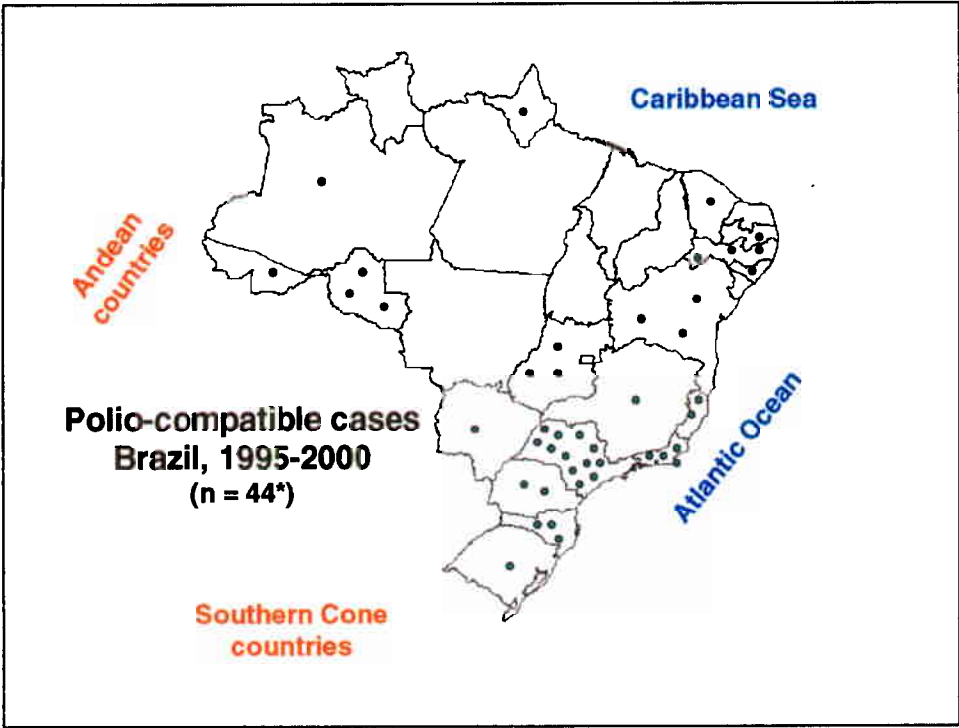
Compatible and AFP cases by Month Brazil 1995-2000



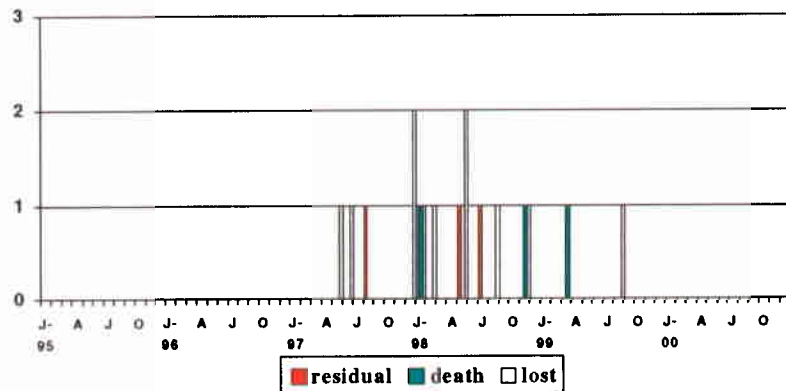




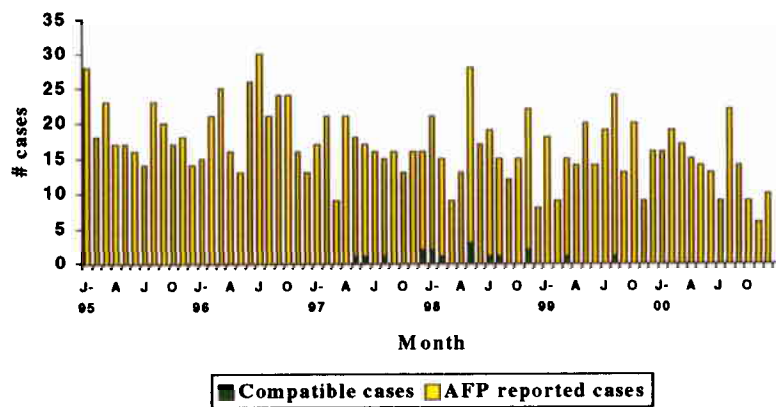




Compatible cases by classification criteria Colombia, 1995-2000

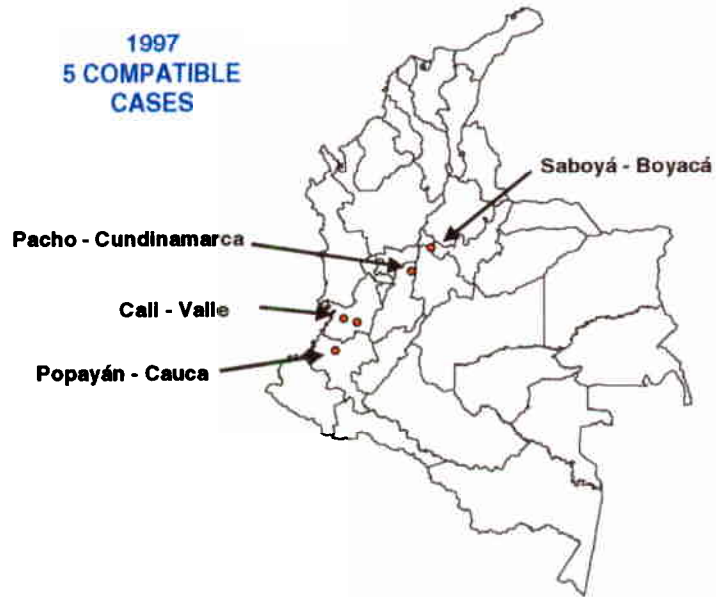


Compatible and AFP cases by Month Colombia 1995-2000



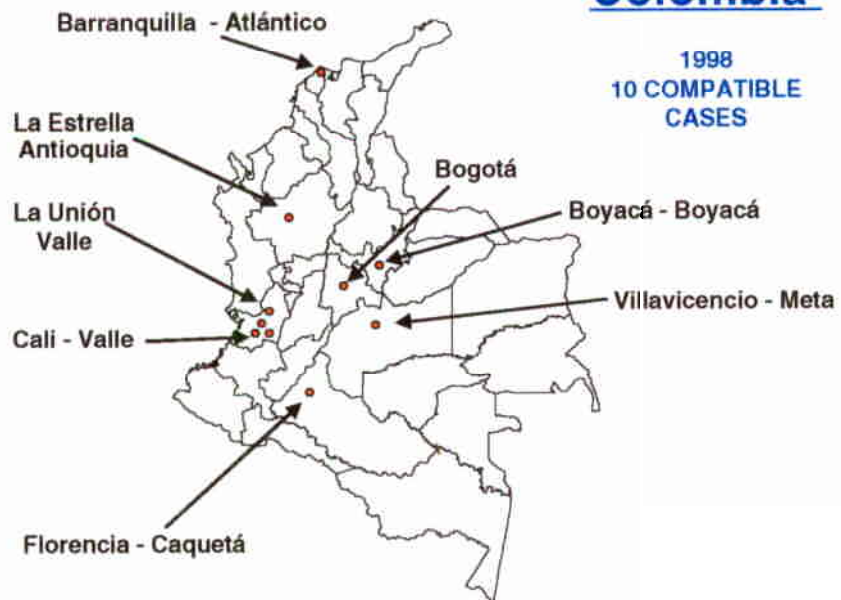
Colombia

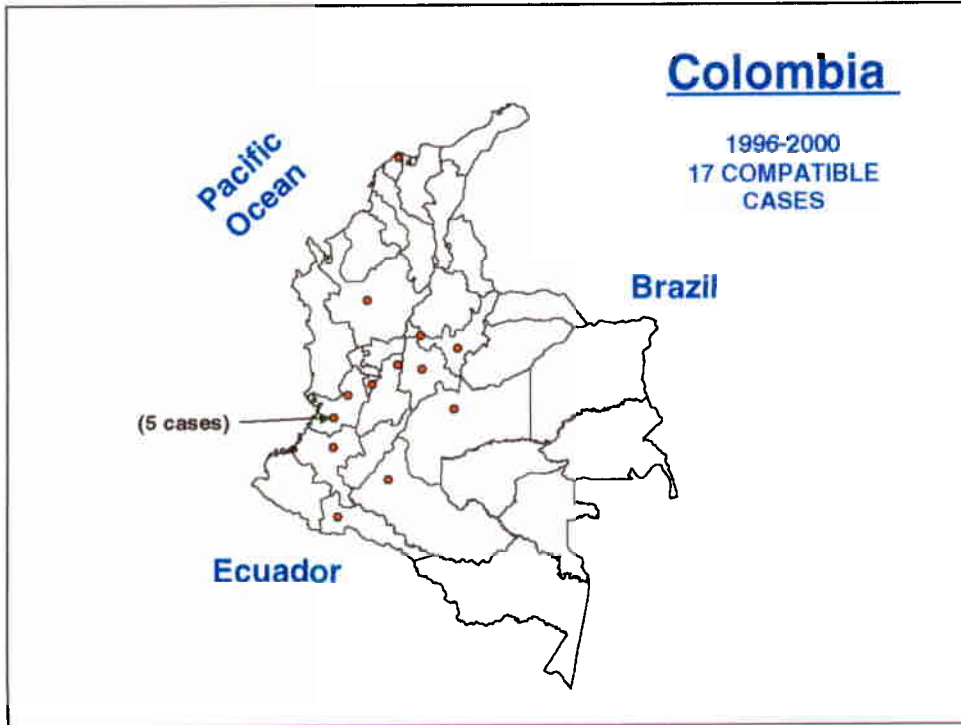
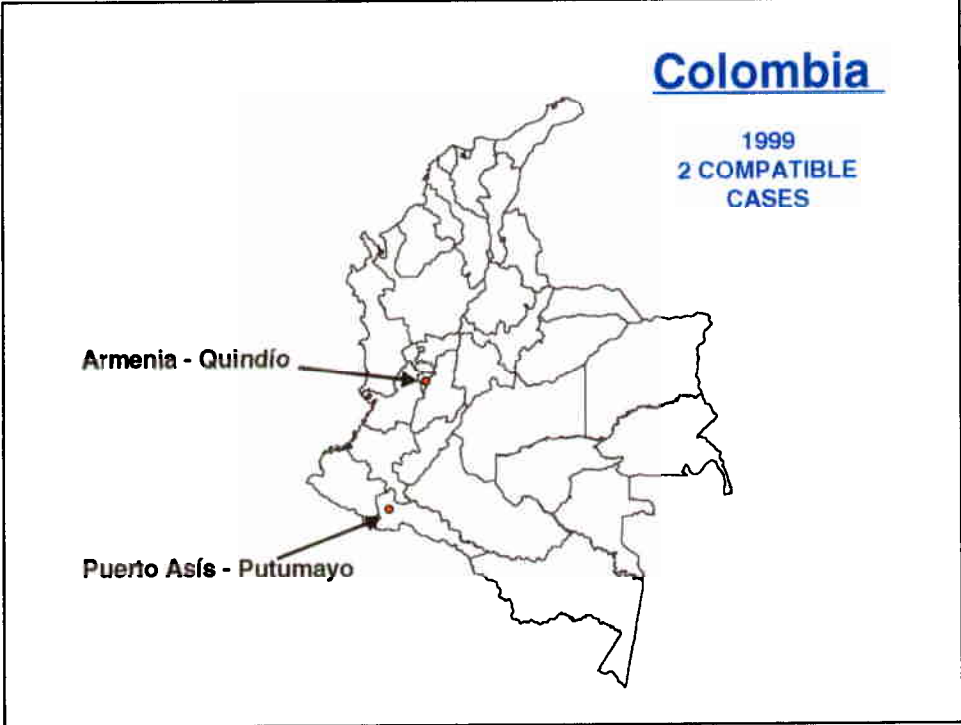
1997
5 COMPATIBLE
CASES



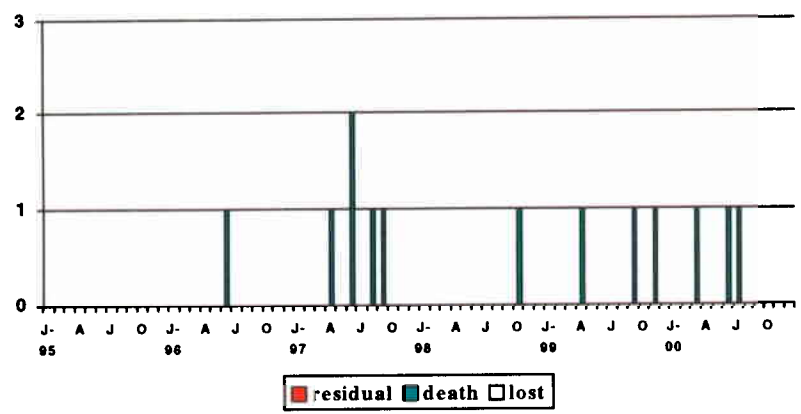
Colombia

1998
10 COMPATIBLE
CASES

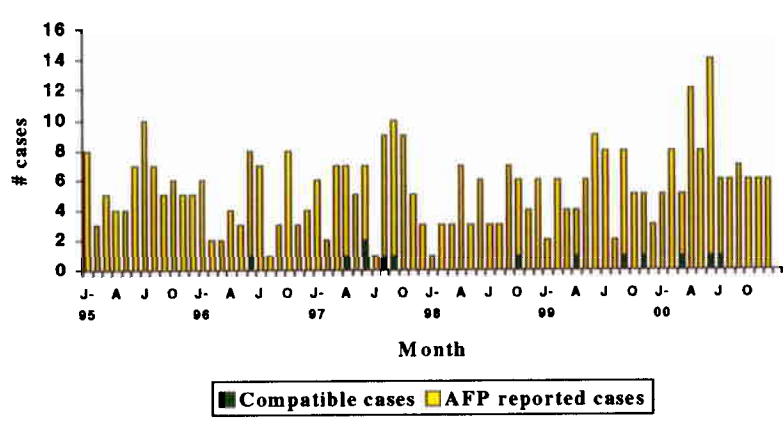




Compatible cases by classification criteria Guatemala, 1995-2000



Compatible and AFP cases by Month Guatemala 1995-2000



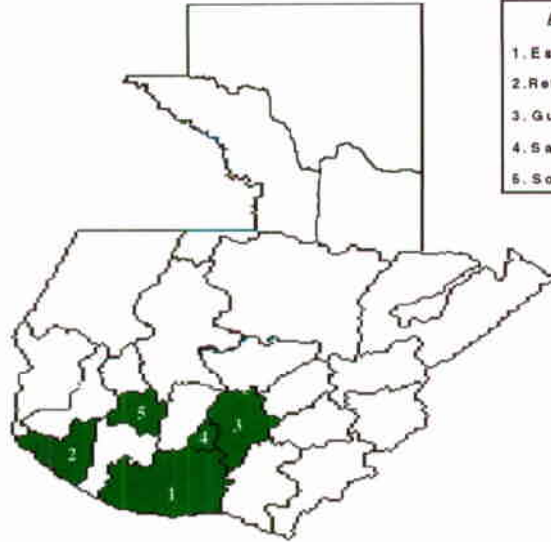
Areas with polio compatible cases Guatemala, 1995



Areas with polio compatible cases Guatemala, 1996



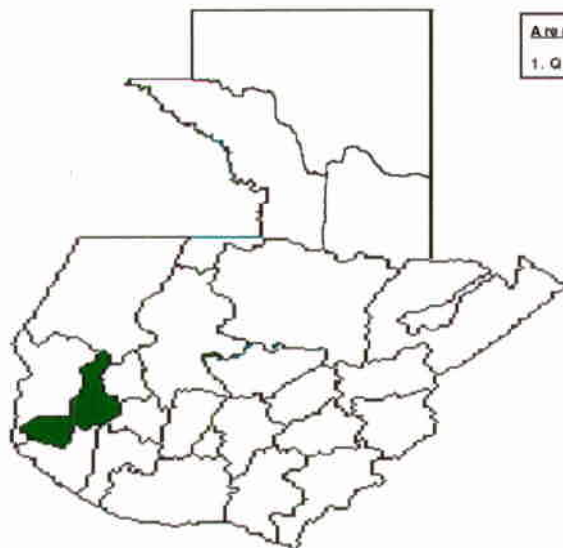
Areas with polio compatible cases Guatemala, 1997



Areas afectadas y N° de EPJ

1. Escuintla: 97-019
2. Retalhuleu: 97-029
3. Guatemala: 97-050
4. Sacatepequez: 97-058
5. Solola: 97-061

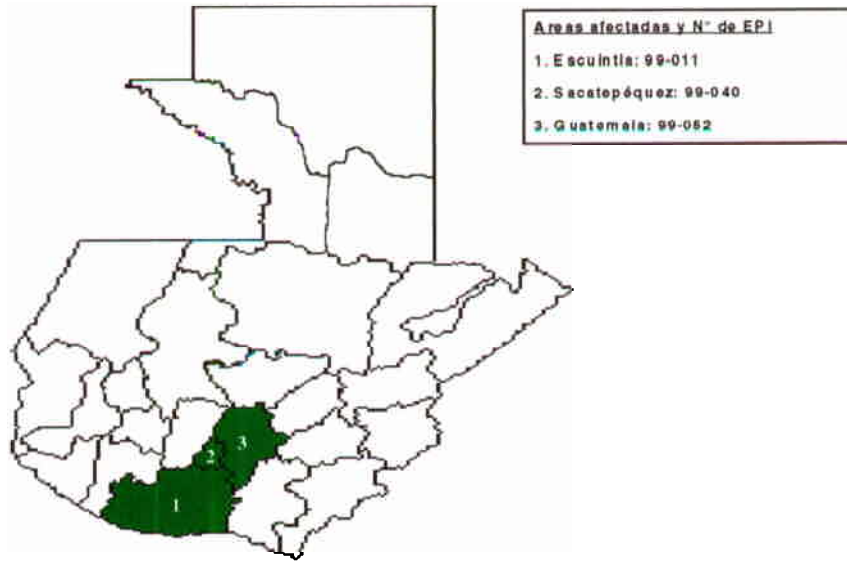
Areas with polio compatible cases Guatemala, 1998



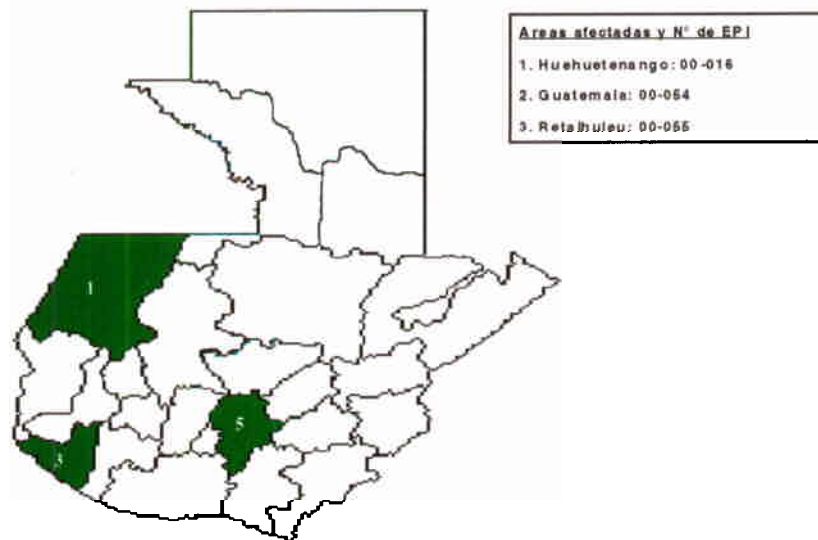
Areas afectadas y N° de EPJ

1. Quetzaltenango: 98-048

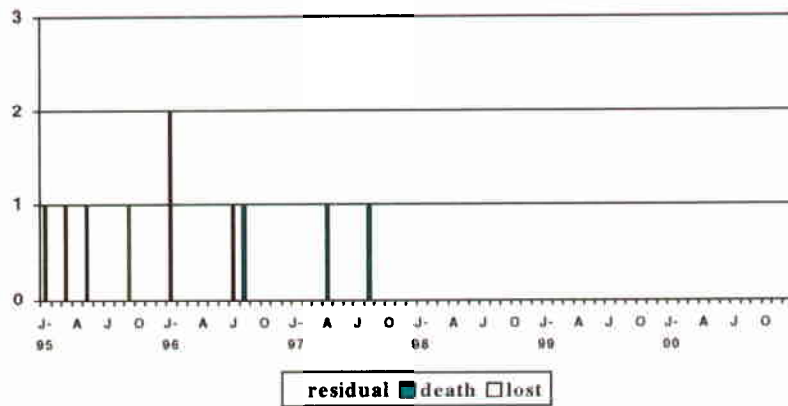
Areas with polio compatible cases Guatemala, 1999



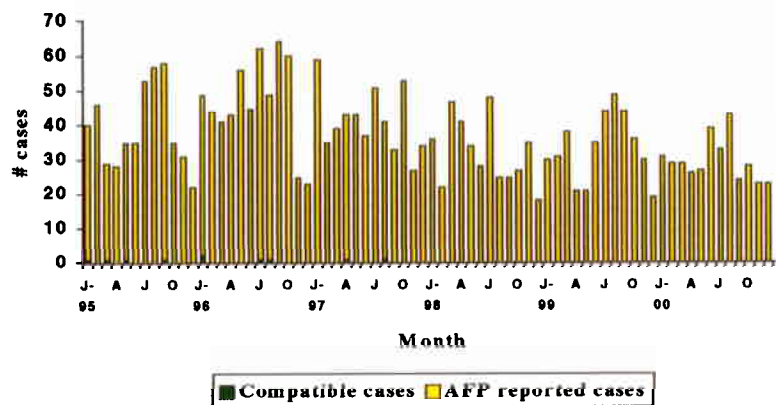
Areas with polio compatible cases Guatemala, 2000



Compatible cases by classification criteria Mexico 1995-2000



Compatible and AFP cases by Month Mexico 1995-2000





CASOS COMPATIBLES DE PARALISIS FLACIDA AGUDA MEXICO, 1995 - 2000

NO. MPIO.	ESTADO
1 LEON	GTO.
2 BENTO JUAREZ	Q.ROO
3 VILLA JUAREZ	SLP
4 SN.ANDRES TUXTLA	VER.
5 TLUJANA	BC.
6 TAPACHULA	CHIS.
7 XICHU	GTO.
8 TUTEPEC	OAX.
9 SAN JUAN IXHUATEPEC MEX.	
10 TUZANTLA	MICH.



SECTION 4

LAB NETWORK / CONTAINMENT

AMRO - Poliomyelitis Laboratory Network



PLAN OF ACTION

AMRO - POLIO LABS

- ▶ Provide technical support to network laboratories (9) through annual visits.
- ▶ Annual proficiency test (blind panels).
- ▶ Provide laboratory supplies, reagents and cell lines.
- ▶ Containment of wild poliovirus and potentially infectious materials (phase I)

PAN AMERICAN REGIONAL LABORATORY NETWORK, 1998-2000.

The Pan American Laboratory Network (PAHO LabNet) established to provide evidence for the certification of eradication of wild polioviruses from the Americas is currently developing activities in support of the Polio Eradication Surveillance. Virologists in the seven LabNet laboratories have shown their commitment to the surveillance of wild poliovirus transmission during 1998, 1999 and 2000 by maintaining high performance of the LabNet Indicators. Laboratory-based surveillance for wild poliovirus has proved the continued eradication in the PAHO Region and also absence of re-introductions of wild polioviruses from endemic areas. Only two laboratories processed samples without following the PAHO standardized procedures for the LabNet (skip chloroform sample treatment). All laboratories identify their virus isolates by serotyping using a neutralization test. Additionally, five of the seven LabNet laboratories use molecular techniques on routine typing of isolates. INDRE in Mexico keep sending all poliovirus isolates to CDC for confirmation.

Timeliness of laboratory Report: Eighty per cent of results should be reported before 28 days according to eradication/surveillance criteria. In 1999 and 2000 all laboratories reported results within this time interval, a light improvement related to 1998 where four laboratories reported results after 71 days.

Non Polio Enterovirus (NPEV) Recover: this Lab Net indicator reflects the sensitivity for enterovirus isolation and should be above 10%. All laboratories recovered over 10% of NPEV during 1999. [13.4%-20.5%].

Good Condition of samples upon arrival in the laboratory is also an indicator related to laboratory sensitivity and reflect good performance of field work. Although in 1998 a small percentage of samples arrived to the laboratory at room temperature (3%-14%), four laboratories reported insufficient amount of sample (5%-22%) and only one laboratory has problems with adequacy of the stool sample container used (78% of samples arriving in an inadequate container) the LabNet fulfilled satisfactory this indicator during 1999 and 2000.

Sample Transportation considered from the time of sample collection to arrival in the laboratory should be less that 3 days. Seven out of eight LabNet laboratories reported more than 50% of samples (50%-100%) arriving after a time interval over 72 hours in 1998, no data are available for 1999 and 2000.

Proficiency testing scores for maintaining program confidence in virus surveillance were implemented in 1997 and 1999. Scores for 1997 were discussed last year in the Hull meeting. Scores for the 1999 panel are shown on next page.



Operating in conjunction with the
Laboratory Centre for Disease Control
Health Canada

En collaboration avec
le Laboratoire de Lutte contre la maladie
Santé Canada

National Centre for Enteroviruses
Dr. S.H.S. Lee, Dr. K.R. Forward
Division of Microbiology
Queen Elizabeth II Health Sciences Centre
Victoria General Site
5788 University Avenue
Halifax, Nova Scotia, Canada B3H 1V8
Telephone:(902) 473-7410
Fax: (902) 473-4432

ANALYSIS OF THE 1999 POLIOVIRUS

PROFICIENCY TESTING RESULTS

Your Code is: _____

The 1999 PAHO Poliovirus Proficiency Survey had eight participating laboratories (A-H). This survey, like the 1997 survey focuses on virus isolation and identification of poliovirus in proficiency panel samples. This report details the final results submitted by the participating laboratories.

The PAHO panel contained 10 samples prepared in cell cultures containing MEM-E (minimal essential media-Earles) supplemented with 2% fetal bovine serum. All samples were coded and shipped frozen in dry ice to the participating Laboratories in a similar manner. However, due to transportation problems, the samples had arrived in a thawed state at all destinations. Table I (attached) shows a summary of & results reported by all participants.

COMMENTARY

There were two apparent changes from the 1997 survey. In this survey all participating laboratories employed a standardized cell culture menu consisting of RD and L20B cells for the isolation and serotyping of polio- and non-polio enteroviruses. However, Labs C, D and E included an additional cell line in their menu. It would be informative if these labs can comment on the usefulness of the additional cell line for the isolation of polio and non-polio enteroviruses. Serotyping was based on the microneutralization procedure with antiserum pools from NIH or WHO. The other apparent change is the increased number of labs from 2 to 6 since the last survey able to strain-differentiate the Poliovirus isolates by nucleic acid hybridization or by PCR.

One laboratory (G) should be commended for its performance in correctly identifying all 10 survey samples. The other 7 laboratories reported 1 to 3 discrepant results among the polio- and non-polio-containing samples. Negative samples were identified correctly by all participating labs. Because of in transit delay caused by the courier service, all frozen survey samples arrived at destination already thawed. This did not appear to contribute to the quality of the results reported. A brief comment of these discrepant results is as follows.

Sample E contained a mixture of Polio 2 and Polio 3. Five Labs (A, B, C, F and H) reported the isolation of only Polio 2. Surprisingly, two of these labs (A and B) and Lab E

detected both Polio 2 and Polio3 in Sample H which contained only Polio3. It is not clear whether transcription error during reporting might have contributed the discrepant results reported by Labs A and B.

Sample F contained a mixture of Polio 1 and a non-polio enterovirus (Echo30). Whilst all labs correctly detected the Polio1 virus, four labs (B, C, D and H) missed the non-polio enterovirus. This Echo30 virus grows well in RD as well as in BGMK. Thus, the addition of specific antibody to neutralize Polio 1 should reveal the presence of the non-polio enterovirus. Perhaps, these labs did not try this approach.

Sample G contained a non-polio enterovirus (Echo 30). Only Lab C missed identifying this sample as adenovirus. The result was based on negative culture result on L20B and Hep2 cells and adenovirus neutralization test on RD cells. This was surprising, especially since adenovirus generally grows well in Hep2 cells.

In summary, all participating laboratories should be commended for their effort. Despite of some discrepant results, all polio-containing samples were detected by all the labs.



PAN AMERICAN HEALTH ORGANIZATION
WORLD HEALTH ORGANIZATION



126th SESSION OF THE EXECUTIVE COMMITTEE

Washington, D.C., 26-30 June 2000

RESOLUTION

CE126.R4

VACCINES AND IMMUNIZATION

THE 126th SESSION OF THE EXECUTIVE COMMITTEE,

Having considered the report of the Director on vaccines and immunization (Document CE126/10); and

Taking into account the progress being made by all countries in the control of vaccine-preventable diseases and their efforts to complete the eradication of measles by the year 2000, and in the introduction of new vaccines into their national immunization programs,

RESOLVES:

To recommend to the Directing Council the adoption of a resolution along the following lines:

THE 42nd DIRECTING COUNCIL,

Having considered the report of the Director on vaccines and immunization (Document CD42/___) and taking note of the progress being made by all countries in the control of vaccine-preventable diseases;

Taking into account that there is still a considerable number of children who are not receiving the benefits of immunization;

Cognizant of the fact that major efforts are needed to achieve the goal of measles eradication by the end of the year 2000; and

Considering that the sustainability of immunization programs and control/eradication of vaccine-preventable diseases require a permanent effort by the health sector at all levels,

RESOLVES:

1. To urge Member States to:

- (a) Maintain a high degree of priority in the financing of their national immunization programs, including the costs related to the introduction of new vaccines;
- (b) Target a 95% vaccination coverage for all antigens in every district of the country as the national goal;
- (c) Ensure that all measures necessary to interrupt the transmission of measles are put in place, including those related to mop-up operations and strengthening of surveillance and complete case investigation;
- (d) Initiate activities related to the containment of any laboratory material that may harbor specimens of wild poliovirus, to ensure that global certification of eradication is eventually accomplished;
- (e) Implement periodic multidisciplinary evaluations of their national immunization programs to identify any constraints that may hamper the equitable access to measures aimed at the control of vaccine-preventable diseases;
- (f) Ensure that all vaccines used in national immunization programs comply with national and international standards.

2. Request the Director to:

- (a) Collaborate with Member States in the containment of biological material that may harbor the wild poliovirus;
- (b) Support the networks of national control authorities and national control laboratories to ensure that vaccines of reliable quality are used in all countries;
- (c) Support the national program evaluations in coordination with other collaborating partners;
- (d) Assist the relevant Member States in benefiting maximally from the Global Alliance for Vaccines and Immunization.

(Fourth meeting, 27 June 2000)

TIME LINE FOR COMPLETION OF THE PRE-ERADICATION

Phase of laboratory containment of wild polioviruses In the American Region

- The Pan-American Health Organization (PAHO) completes informal discussions on Global Action Plan with representatives of all Member States by mid-year 2001.
- PAHO Regional Director sends letters to MOH of Member States in March 2001.
- Member States complete national planning process by December 2001.
- Member States begin national laboratory surveys and inventories by January 2002.
- National Certification Committees review and endorse national reports of survey results and inventories by October 2002.
- Member States submit completed national inventories to PAHO by December 2002.
- Regional Certification Committee reviews and endorses PAHO report on inventories by June 2003.



LETTER FROM THE DIRECTOR OF PAHO TO MOH OF MEMBER STATES

In Reply Refer To: HVP/63.1 (048-ADM)

21 March 2001

Dear Sir:

The Americas were declared free of poliomyelitis in 1994, and now that the global eradication initiative has been launched, other regions of the world should soon be able to boast the same achievement.

In the near future, when polio has been eradicated from the rest of the world, the potential sources of wild poliovirus include research, teaching, diagnostics, and vaccine-producing laboratories, which could reintroduce the virus into the environment and cause new epidemics.

Pursuant to Resolution CE126.R4, adopted by the 126th Session of the Executive Committee of the Pan American Health Organization on 27 June 2000, we are requesting from your office the commitment to guarantee containment of the wild viruses stored in your laboratories, thus averting the risk of reintroducing the virus into the environment and guaranteeing that the tremendous efforts made to achieve eradication are not endangered.

The Global Action Plan for Laboratory Containment of Wild Polioviruses, annexed, contains the information necessary for understanding the scope of the task at hand and the activities needed to carry it out.

The Honorable....

We would like to take this opportunity to seek your commitment to support this task, which we have no doubt that your Government will successfully complete.

Sincerely yours,

George A.O. Alleyne Director

**LABORATORIES THAT ARE POTENTIAL SOURCES OF WILD
POLIOVIRUSES**

	COUNTRIES	PUBLIC HEALTH LABORATORIES		UNIVERSITIES	CLINICAL LABS
		POLIO LABS	OTHERS		
CAREC	23 countries *	1	0	1	0
	Cuba	0	1	...	0
MEXICO	Mexico	1	0	...	...
C.AMERICA	Costa Rica	0	1	...	...
	El Salvador	0	0	0	0
	Honduras	0	0	...	...
	Nicaragua	0	0	0	0
	Guatemala	1	0	2	0
	Panama	0	1	...	0
ANDEAN	Bolivia	0	1	...	0
	Colombia	1	2	4	0
	Ecuador	0	1	...	...
	Peru	0	1	2	0
	Venezuela	1	0	1	0
SOUTHERN CONE	Argentina	1	0	1	0
	Chile	0	1	0	0
	Paraguay	0	0	0	0
	Uruguay	0	1	...	...
BRASIL	Brasil	3	10	8	1
	TOTAL	9	20	19	1

* Including Dominican Republic and Haiti

WILD POLIOVIRUSES KNOWN TO BE STORED IN AMERICAN LABS

	COUNTRIES	TYPE 1	TYPE 2	TYPE 3	UNKNOWN	NOTES
CAREC	23 countries *	No	No	No	No	
	Cuba	N/D	N/D	N/D	N/D	
MEXICO	Mexico			Yes		INDRE
C.AMERICA	Costa Rica	N/D	N/D	N/D	N/D	
	El Salvador	N/D	N/D	N/D	N/D	
	Honduras	N/D	N/D	N/D	N/D	
	Nicaragua	No	No	No	No	
	Guatemala	No	No	No	No	
	Panama				Yes	Gorgas Institute
ANDEAN	Bolivia					
	Colombia	Yes	Yes	Yes		National Institute of Health
	Ecuador					
	Peru	Yes	Yes	Yes		University (Mayor de San Marcos)
	Venezuela	No	No	No		Wild polioviruses were destroyed in 1995
SOUTHERN CONE	Argentina	Yes				Malbran Institute
	Chile	0	0	Yes		National Institute of Health
	Paraguay	0	0	0	0	
	Uruguay				Yes	Hygiene Institute, Medicine School
BRASIL	Brasil	N/D	N/D	N/D	N/D	

* Including Dominican Republic and Haiti

SECTION 5

THE OPV-DERIVED HISPANIOLA OUTBREAK 2000 - 2001

OPV-DERIVED POLIOMYELITIS OUTBREAK DOMINICAN REPUBLIC AND HAITI 2000-2001

The Western Hemisphere has been free of wild poliovirus circulation since 1991, when the last case was detected in Peru. The last case of poliomyelitis in the Dominican Republic occurred in 1985 and the last one from Haiti in 1989.

In October 2000, the Ministries of Health (MoH) of the Dominican Republic and Haiti, each reported one case of acute flaccid paralysis (AFP). These cases were detected through the routine national AFP surveillance system, which requires that all cases of AFP be investigated as suspected poliomyelitis. Stool specimens have to be collected from such cases and have to be sent to a laboratory of the regional polio laboratory network for determination if the paralysis is caused by the wild poliovirus. The case reported from the Dominican Republic was a nine month old female from a rural town in the province of Monseñor Nouel. The case from Haiti was a two year old female from a rural town in the Northwest Department. Onset of acute flaccid paralysis occurred on July 18 and August 30, 2000, respectively.

PAHO Poliovirus Laboratory at the Caribbean Epidemiology Center (CAREC), isolated poliovirus type 1 from both AFP cases. Subsequently, the isolates were sent to the Poliovirus Laboratory of the Centers for Disease Control and Prevention (CDC) for characterization. Sequence analysis revealed that the virus associated with this outbreak was unusual because it is derived from the oral poliovirus vaccine (OPV), with a 3 % genetic divergence from the parental OPV strain (usually, vaccine-derived poliovirus do mutate >0.5 % from the parent strain). Normally, wild poliovirus have <82 % genetic similarity to OPV¹. The poliovirus associated with this outbreak appears to have recovered the neurovirulence and transmissibility characteristics of wild poliovirus type 1. The differences in nucleotide sequences among the outbreak isolates suggest that the virus has been circulating for approximately 2 years in an area where vaccination coverage is low and that the virus had accumulated genetic changes that restored the essential properties of wild poliovirus².

Prolonged circulation of OPV-derived poliovirus in areas with very low OPV coverage has been documented in two other settings. OPV-derived type 2 poliovirus circulated in Egypt for an estimated 10 years (1983-1993) and was associated with more than 30 reported cases³. Vaccination coverage was very low in the affected areas, and circulation of a vaccine-derived poliovirus stopped when OPV coverage was increased.

¹ Kew OM, Mulders MN, Lipskaya GY, et al. Molecular epidemiology of polioviruses. *Sem Virol* 1995;6:40 1 -- 14

² MMWR, December 08, 2000 / 49(48);1094,1103

³ Naguib T, Yang SJ, Pallanish M, Kew O. Prolonged circulation of Sabin 2-derived polioviruses. In: Program and abstracts of progress in polio eradication: vaccination strategies for the end game.

In response to the situation, the Ministries of Health of the Dominican Republic and Haiti, with support of the Pan American Health Organization and the Centers for Disease Prevention and Control initiated outreach activities aimed at identifying the extent of the circulation of this virus and stopping transmission, by instituting house to house vaccination and national immunization days.

Intensive case-finding activities were initiated to determine the extent and magnitude of the outbreak, identify foci of disease activity, and organize areas for vaccination activities. Two teams of national and international epidemiologists were established to conduct active search for Acute Flaccid Paralysis (AFP) cases in both countries. A total of sixteen epidemiologists were deployed and active search was conducted in health centers, hospitals, emergency care centers, physical therapy clinics, orphanages, day care centers and in the community. All suspected cases were subject to a complete epidemiological investigation, and stool specimens were taken. Targeted prevention activities included house-to-house vaccination in municipalities with suspected cases, and mass vaccination through highly publicized national immunization days (NIDs). Laboratory testing was performed CAREC and CDC.

From July 18th through mid March 2001, a total of 17 cases have been confirmed by laboratory in the Hispaniola island (14 in Dominican Republic and 3 in Haiti). In 14 of them the virus was isolated in the specimens collected from the patients. The other 3 AFP cases were confirmed because the virus was isolated in specimens collected from healthy contacts. The confirmed cases in Dominican Republic are located in the provinces of La Vega (6), Santiago (3), the capital city, Santo Domingo (3), Monseñor Nouel (1) and Espaillat (1). The cases from Haiti are located in the following Departments: North West (1), North (1) and West, Port Prince, capital city (1).

Of the 17 confirmed polio cases in Hispaniola island, 11 (65 %) were either unvaccinated or incompletely vaccinated, the data is unknown in six cases. The median age of the cases was 3 years, with a range of 9 months to 14 years of age.

From July 18th through mid March 2001, a total of 99 AFP cases (suspected poliomyelitis) were detected in the island, 78 in Dominican Republic and 21 in Haiti. In Dominican Republic, 14 cases have been confirmed, 2 were classified as Compatible, 24 have been discarded by laboratory and 38 are still pending final classification. Cases pending final classification are located in the provinces of La Vega (8), Santiago (5), the capital city, Santo Domingo (8), Monseñor Nouel (3), Espaillat (2) and 12 in the rest of the country. In Haiti, 3 case has been confirmed, 1 was classified as Compatible, 13 were discarded by laboratory and 4 are still pending. Cases pending final classification are located in Departments North (1) and South (3).

A total of 340 stool specimens have been collected (289 in Dominican Republic and 51 in Haiti). In Dominican Republic 84 specimens were collected in AFP cases and 205 in healthy contacts. Laboratory results of the specimens from AFP cases were positive for the same vaccine-derived poliovirus type 1 (n=11), for poliovirus Sabin type 2 (n=4), for poliovirus Sabin type 3 (n=2), for non-polio enterovirus (n=9), for adenovirus n=6), 33 were negative and 19 are still pending. In specimens from contacts, results were positive for the vaccine-derived poliovirus type 1 (n=11), for poliovirus Sabin type 1 (n=2), for poliovirus Sabin type 2 (n=1), for poliovirus Sabin type 3 (n=2), for non-polio enterovirus (n=25), for adenovirus (n=7), 99 were negative and 58 are still pending.

In Haiti, 17 specimens were collected in AFP cases and 34 in healthy contacts. Laboratory results of the specimens from AFP cases were positive for the same vaccine-derived poliovirus type 1 in three cases, 12 were negative and 2 are still pending. In specimens from contacts, 6 results were positive for non-polio enterovirus, 1 for P3 Sabin and 27 were negative.

Epidemiologic investigations also identified poor sanitation and low OPV vaccination coverage in the affected areas. In Constanza county of La Vega Province, where most of the outbreak related cases have been detected, the OPV3 coverage ranged 20 % to 30 % in children under five years of age. The national vaccination coverage with OPV3 in children under one year of age in Dominican Republic consistently approximates 80% for each of the last five years; 20 % of districts had coverage above 80 %. NIDs were discontinued five years ago. From 1983 to 1993, 16.1 million OPV doses were given to children under 3 years of age through NIDs.

In 1999, the Northwest Department of Haiti, reported OPV coverage of 40 %. In Haiti, the national vaccination coverage with OPV3 in children under one year of age during the last ten years has been between 30 % and 50 %, and no NIDs have been carried out during the last five years.

The AFP rate per 100,000 population aged <15 years has been below 1 during 6 of the last ten years in Dominican Republic and around 0.1 in Haiti since 1995. The proportion of AFP cases with adequate specimen in Dominican Republic was approximately 80 % from 1993 to 1998, then 30% in 1999 and 36% in 2000. In Haiti, none of the AFP cases reported during the last five years had stool specimens collected. The proportion of notification sites reporting weekly during the last ten years has been above 80 % in Dominican Republic, except in 1999 when it was 50 %. In Haiti the proportion of notification sites reporting weekly has been below 50 % for the last ten years, except in 1998 when it was 95 %. Enterovirus isolation has been above 15 % in Dominican Republic for the last ten years, except in 1996 and 1999 when it was zero and in 1997 when it was 9%.

Both outbreaks are still being investigated to determine the extent of the spread and the reasons for prolonged circulation of vaccine derived poliovirus. Extensive environmental sampling has been conducted as part of the investigation and results of these specimens are still pending.

The Ministries of Health of the Dominican Republic and Haiti conducted house to house vaccination and active search for cases in the areas where the cases originally were reported. In addition, in the Dominican Republic a polio vaccination campaign was conducted in December, 2000. 1.13 million children aged <5 years were vaccinated with OPV (achieving nearly 100 % coverage). Another mass campaign was conducted in January and a third one is planned for April 2001. Haiti has planned three national rounds with OPV. The first one started in February 2001 and is now on the preparation of the second round that will start in early March 2001.

Since no evidence for circulation of OPV-derived virus has been found in areas with high coverage, the current outbreak underscores the need for polio-free areas to maintain a high coverage with polio vaccine until global eradication has been achieved, while at the same time maintaining a high quality AFP and poliovirus surveillance.

Remaining issues to be addressed include: - establishing the real extension of the outbreak, especially in Haiti where just one case has been identified; defining risk factors and potential sources of future outbreaks, sequence analysis of all Sabin poliovirus isolates from AFP cases in America since 1995 and epidemiological analysis of those areas where new Sabin-derived poliovirus are identified.

VACCINE-DERIVED POLIO OUTBREAK

ISLAND OF "LA HISPANIOLA" Dominican Republic and Haiti 2000 - 2001

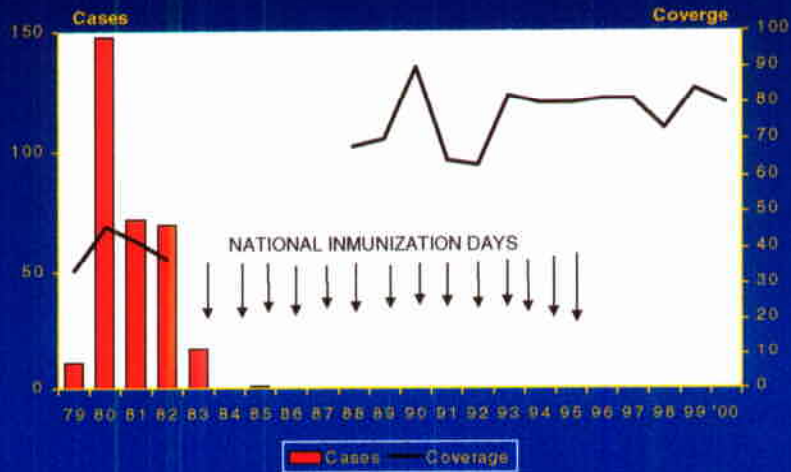


Background

- Last polio case in DOR: 1985
- Last polio case in HAI: 1989
- Last polio case in America: 1991
- Last compatible case: DOR, 1991, sequelae; HAI, 1991, death.
- Certification of Americas: 1994



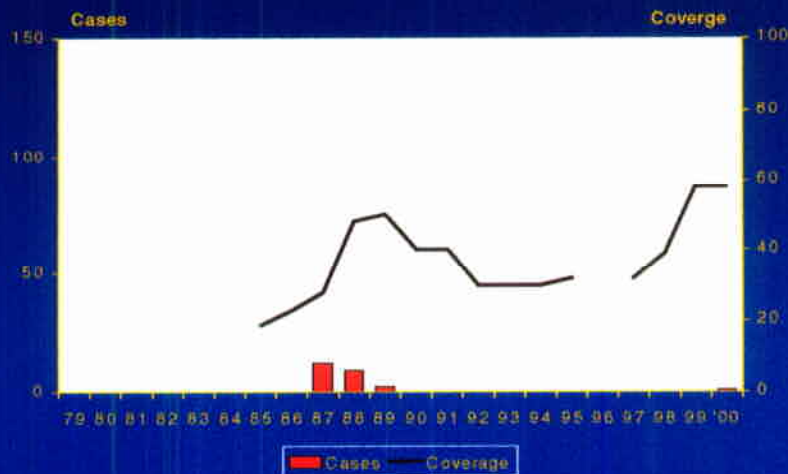
Polio cases and OPV3 coverage Dominican Republic, 1979 - 2000



Source: PAHO



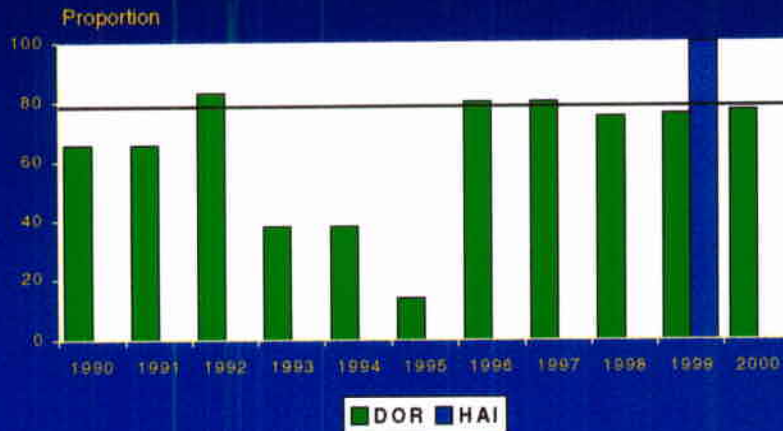
Polio cases and OPV3 coverage Haiti, 1979 - 2000



Source: PAHO



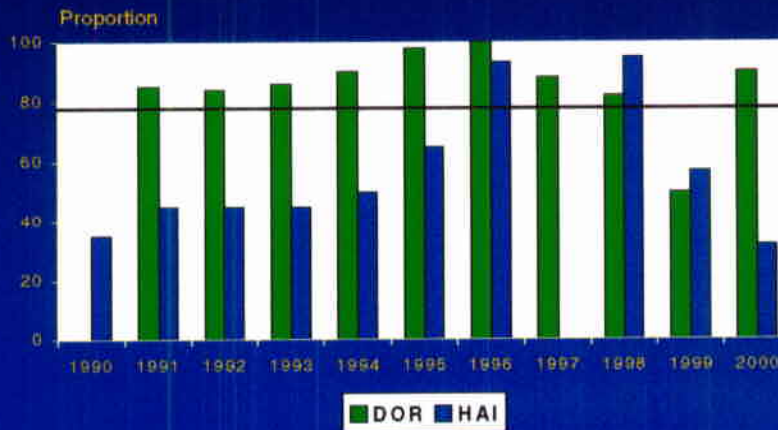
Proportion of districts with OPV3 coverage < 80 % Dominican Republic and Haiti, 1990 - 2000



Source: PAHO



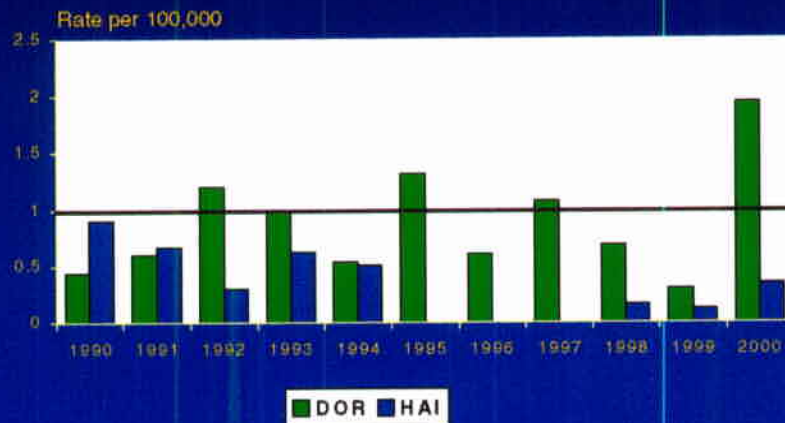
Proportion of notification sites reporting weekly Dominican Republic and Haiti, 1990 - 2000



Source: PAHO



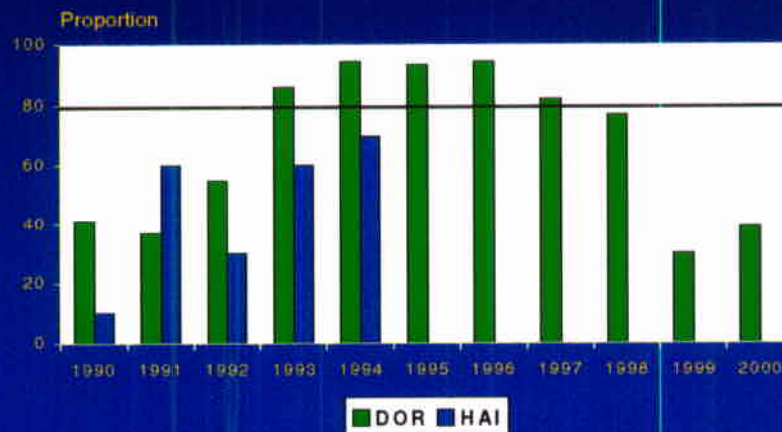
AFP rate per 100,000 population aged 15 years Dominican Republic and Haiti, 1990-2000



Source: PAHO



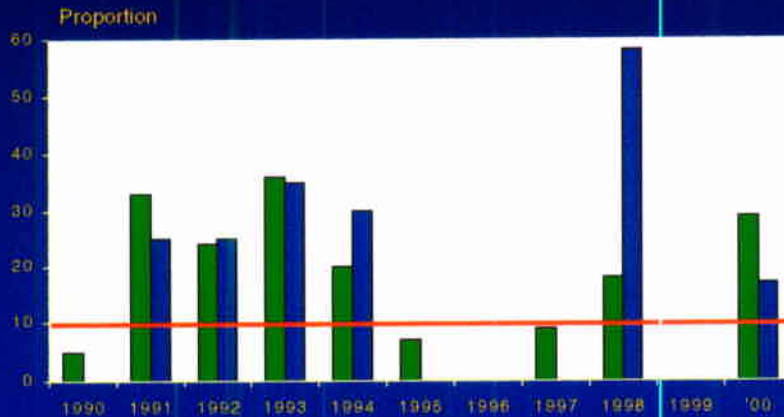
Proportion of AFP cases with adequate stool specimens Dominican Republic and Haiti, 1990 - 2000



Source: PAHO



Proportion of enterovirus isolation Dominican Republic and Haiti, 1990 - 2000



Source: PAHO



Areas with confirmed polio cases on the island of Hispaniola, 2000 - 2001*

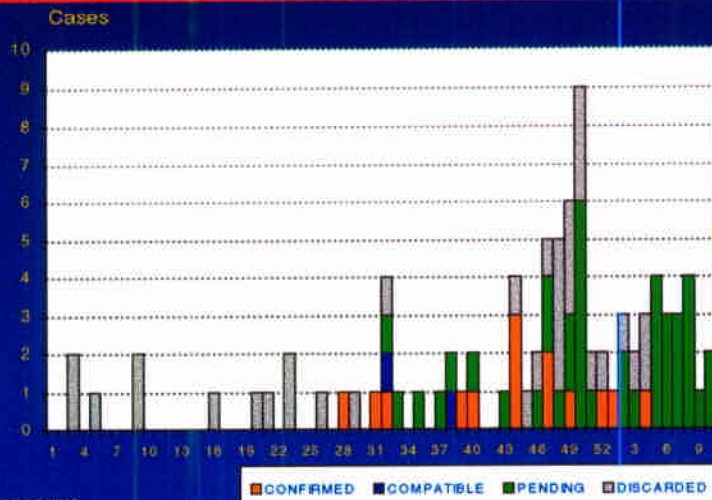


Source: PESS/HVP
Data as of 26 March 2001

= areas with confirmed polio cases



AFP cases by classification Dominican Republic, 2000 - 2001*



Source: PESS/IVP
Data as of March 2001
89 cases: 14 confirmed



Polio confirmed cases Dominican Republic, 2000-2001*



Source: PESS
*Data as of March 2001

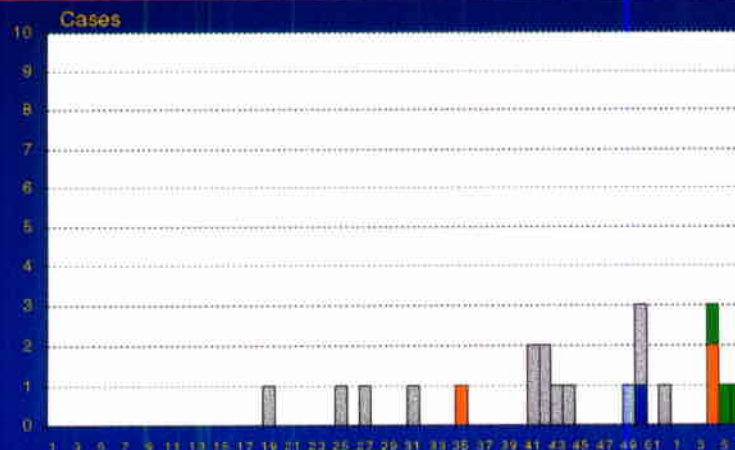


Confirmed Cases by Department Dominican Republic, 2000-2001

Department	No. cases (date of onset of last case)
La Vega	5 (Nov 25, Week 47/00)
Mons Nouel	2 (Nov 07, Week 45/00)
Santiago	3 (Dec 31, Week 01/01)
Espailat	1 (Jan 03, Week 01/01)
DN (Sto. Domingo)	3 (Jan 25, Week 04/01)



AFP cases by classification Haiti, 2000 - 2001*

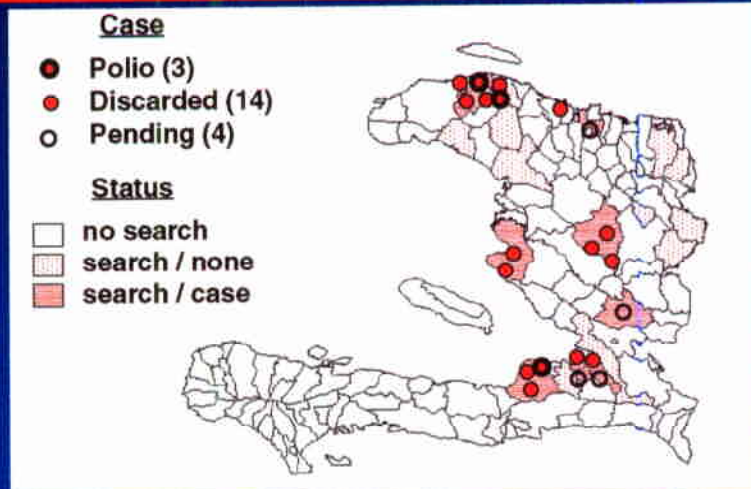


Source: FESS/HVP
Data as of March 26, 2001

CONFIP1det COMPAT PENDING DECARD



Status of Active Search for AFP by Commune: Haiti, 2000 - 2001



Source: Country reports
Data as of 26 March 2001

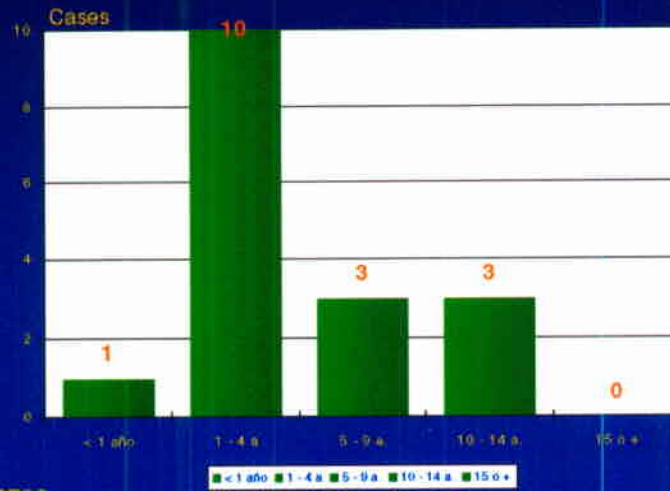


Confirmed Cases by Department Haiti, 2000-2001

Department	No. cases (date of onset of last case)
North West	1 (Aug 28, Week35/00)
West	2 (Jan 29, Week 5/01)



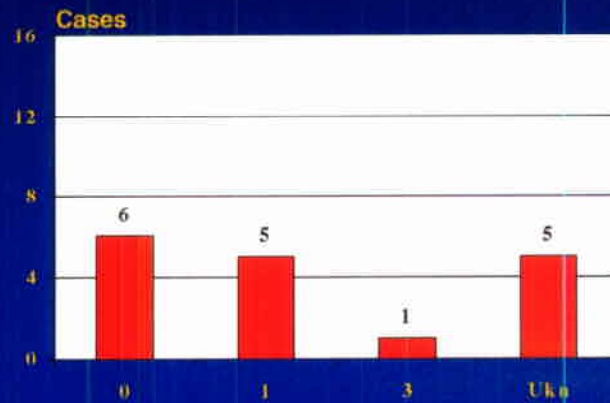
Age distribution of cases, La Hispaniola, 2000-2001*



Source: PESS
* Updated: march/2001



Vaccination history in confirmed cases, La Hispaniola, 2000-2001*



Source: PESS
* Data as of March/2001



Laboratory specimen results Dominican Republic, 2000-2001*

Results	Cases	Contacts	Totals
P1 derived	11	11	22
P1 Sabin	0	2	2
P2 Sabin	4	1	5
P3 Sabin	2	2	4
NPEV	9	25	34
Adenovirus	6	7	13
Negative	33	99	132
Pending	19	58	77
Totals	84	205	289

*Data as of March 26, 2001



AFP cases laboratory results Haiti, 2000-2001*

Results	Cases	Contacts	Totals
P1 derived	3	0	3
P1 Sabin	0	0	0
P2 Sabin	0	0	0
P3 Sabin	0	1	1
NPEV	0	6	6
Negative	12	27	39
Pending	2	0	2
Totals	17	34	51

*Data as of March 26, 2001



Activities

DOR

- Nation-wide active search.
- Environmental sampling
- Mass campaigns:
Dec/2000: 1.13 million
Feb/2000: 1.1 million
were vaccinated (~100
% coverage <5).
- 3rd. Mass campaign
programmed for April

HAITI

- Nation-wide active search.
- Environmental sampling
- Mass campaign (on going)



Implications for the Americas

- Sequence all Sabin isolates from 1994-2000.
- Active search in high risk areas
- Maintain high level of AFP surveillance in all countries
- Maintain high level of OPV coverage in all countries (NIDs)
- Additional studies required before deciding on stopping vaccination.



OPV COVERAGE DURING SECOND NID

DOMINICAN REPUBLIC

FEBRUARY 16th - 18th, 2001

PROVINCES	POPULATION			VACCINATED			COVERAGE (%)		
	< 1 Y	1-4 Y	TOTAL	< 1 Y	1-4 Y	TOTAL	< 1 Y	1-4 Y	TOTAL
AREA I *	8,427	30,180	38,607	13,058	46,318	59,376	154.95	153.47	153.80
AREA II	12,140	48,111	60,251	13,747	47,114	60,861	113.24	97.93	101.01
AREA III *	5,345	38,240	43,585	12,102	44,529	56,631	226.42	116.45	129.93
AREA IV *	12,831	49,311	62,142	14,538	51,120	65,658	113.30	103.67	105.66
AREA V	6,149	24,852	31,001	9,662	29,988	39,650	157.13	120.67	127.90
AREA VI	5,727	22,627	28,354	7,224	22,634	29,858	126.14	100.03	105.30
AREA VII	8,439	32,107	40,546	9,559	35,363	44,922	113.27	110.14	110.79
AREA VIII	14,165	38,569	52,734	13,039	42,645	55,684	92.05	110.57	105.59
DISTRITO NACIONAL	73,223	283,997	357,220	92,929	319,711	412,640	126.91	112.58	115.51
MONTE PLATA	4,571	18,694	23,265	6,458	17,152	23,610	141.28	91.75	101.48
AZUA	6,845	27,997	34,842	5,735	25,984	31,719	83.78	92.81	91.04
PERAVIA	6,325	25,863	32,188	6,552	27,418	33,970	103.59	106.01	105.54
SAN CRISTOBAL	14,614	59,777	74,391	13,055	50,634	63,689	89.33	84.70	85.61
REGION I	27,784	113,637	141,421	25,342	104,036	129,378	91.21	91.55	91.48
SANTIAGO *	22,126	90,497	112,623	21,675	82,800	104,475	97.96	91.49	92.77
PUERTO PLATA	8,063	32,979	41,042	8,797	30,120	38,917	109.10	91.33	94.82
ESPAILLAT *	5,722	23,401	29,123	5,248	23,434	28,682	91.72	100.14	98.49
REGION II	35,911	146,877	182,788	35,720	136,354	172,074	99.47	92.84	94.14
SALCEDO	2,758	11,280	14,038	2,093	9,376	11,469	75.89	83.12	81.70
DUARTE	8,301	33,959	42,260	8,722	31,986	40,708	105.07	94.19	96.33
MA. T. SANCHEZ	3,702	15,143	18,845	3,829	14,138	17,967	103.43	93.36	95.34
SAMANA	2,158	8,826	10,984	2,119	8,554	10,673	98.19	96.92	97.17
REGION III	16,919	69,208	86,127	16,763	64,054	80,817	99.08	92.55	93.83
BARAHONA	4,759	19,465	24,224	7,026	23,230	30,256	147.64	119.34	124.90

PEDERNALES	510	2,084	2,594	526	2,468	2,994	103.14	118.43	115.42
INDEPENDENCIA	1,085	4,437	5,522	1,136	4,591	5,727	104.70	103.47	103.71
BAHORUCO	3,411	13,955	17,366	3,714	12,997	16,711	108.88	93.14	96.23
REGION IV	9,765	39,941	49,706	12,402	43,286	55,688	127.00	108.37	112.03
S. P. MACORIS	6,947	28,417	35,364	11,381	38,707	50,088	163.83	136.21	141.64
LA ROMANA	5,676	23,217	28,893	5,536	21,143	26,679	97.53	91.07	92.34
ALTAGRACIA	3,912	16,005	19,917	3,535	13,129	16,664	90.36	82.03	83.67
HATO MAYOR	2,278	9,319	11,597	2,412	9,710	12,122	105.88	104.20	104.53
EI SEYBO	2,729	11,160	13,889	2,576	9,823	12,399	94.39	88.02	89.27
REGION V	21,542	88,118	109,660	25,440	92,512	117,952	118.09	104.99	107.56
SAN JUAN DEL M.	6,839	27,968	34,807	7,046	30,202	37,248	103.03	107.99	107.01
ELIAS PINA	1,766	7,219	8,985	2,469	8,648	11,117	139.81	119.79	123.73
REGION VI	8,605	35,187	43,792	9,515	38,850	48,365	110.58	110.41	110.44
VALVERDE	5,428	22,201	27,629	4,625	19,123	23,748	85.21	86.14	85.95
MONTE CRISTI	2,729	11,164	13,893	2,860	12,126	14,986	104.80	108.62	107.87
DAJABON	2,068	8,455	10,523	1,660	6,709	8,369	80.27	79.35	79.53
SANTIAGO RDGUEZ	1,797	7,350	9,147	1,149	5,337	6,486	63.94	72.61	70.91
REGION VII	12,022	49,170	61,192	10,294	43,295	53,589	85.63	88.05	87.58
LA VEGA *	10,146	41,496	51,642	10,202	44,152	54,354	100.55	106.40	105.25
MONSEÑOR NOUEL *	4,589	18,768	23,357	4,521	16,605	21,126	98.52	88.48	90.45
SANCHEZ RAMIREZ	5,172	21,153	26,325	5,237	18,391	23,628	101.26	86.94	89.75
REGION VIII	19,907	81,417	101,324	19,960	79,148	99,108	100.27	97.21	97.81
TOTAL	230,249	926,246	1,156,495	254,823	938,398	1,193,221	110.67	101.31	103.18

* Provinces with cases.

SECTION 6

SUMMARY OF COUNTRY REPORTS

AFP SURVEILLANCE

Country:	Argentina
Population:	37,032,000
Population <1 year old 1999:	710,441
Population <15 year old/100,000 2000:	102.70
Year last wild poliovirus isolation:	1984

AFP INDICATORS

Criteria	Year					
	1995	1996	1997	1998	1999	2000
#of reported cases	110	41	75	93	104	140
Rate per 100,000 population <15 years old	1.09	0.40	0.74	0.91	1.01	1.36
% of sites reporting on time	0	81	82	43	98	100
% cases investigated <48 hours	59	73	56	40	92	91
% of cases with adequate stool specimen	65	44	7	1	83	72

OPV 3 Coverage

	Year					
	1995	1996	1997	1998	1999	2000
OPV3 National Coverage <1 year old	90	90	91	88	91	78
# of National Immunization Campaigns	0	0	0	0	0	0
% of municipalities coverage < 80%*	32	26	33	27	25	46

* 1998 <90% *1999-2000 <95%

Case distribution by classification

	Year					
	1995	1996	1997	1998	1999	2000
Probable	0	0	0	0	0	5
Discarded	110	41	75	93	104	135
Confirmed	0	0	0	0	0	0
Compatible	0	0	0	0	0	0

Percentage of cases with specimens

	Year					
	1995	1996	1997	1998	1999	2000
Reported cases	110	41	75	93	104	140
Cases with sample	88	35	57	84	90	128
Proportion of cases with specimens (%)	80	85	76	90	87	91

Status of stool specimens

	Year					
	1995	1996	1997	1998	1999	2000
Positive for any virus	37	21	22	35	19	12
Negative for any virus	114	39	75	86	69	105
<i>Lost</i>	0	0	0	0	0	0
<i>Bad</i>	0	0	0	0	0	0
<i>Contaminated</i>	0	0	0	0	0	0
<i>Pending</i>	0	0	0	0	0	0

<i>Not processed</i>	13	0	0	12	2	3
Total without result	13	0	0	12	2	3
Total # of specimens	164	60	97	133	90	120
% of enterovirus isolation	25	35	23	29	22	10

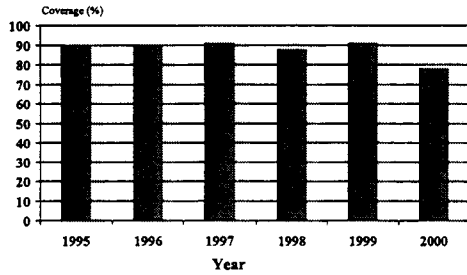
Type of virus isolated

	Year					
	1995	1996	1997	1998	1999	2000
Poliovirus 1						
<i>Non-characterized</i>	0	0	0	2	0	0
<i>Vaccine</i>	0	0	0	2	0	0
<i>Wild</i>	0	0	0	0	0	0
Poliovirus 2						
<i>Non-characterized</i>	4	0	0	2	0	0
<i>Vaccine</i>	4	0	0	7	1	0
<i>Wild</i>	0	0	0	0	0	0
Poliovirus 3						
<i>Non-characterized</i>	4	0	0	0	0	0
<i>Vaccine</i>	4	0	0	0	0	0
<i>Wild</i>	0	0	0	0	0	0
Mixed						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	0	0	0	1	0	0
<i>Wild</i>	0	0	0	0	0	0
Other	21	21	22	21	18	12
Total	37	21	22	35	19	12

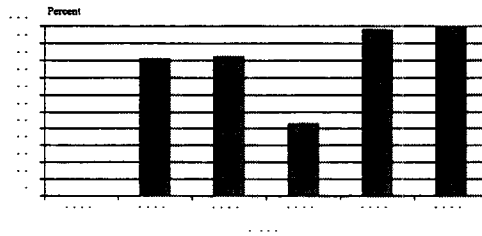
Source: country reports/PESS:02/15/2001

2000 provisional data

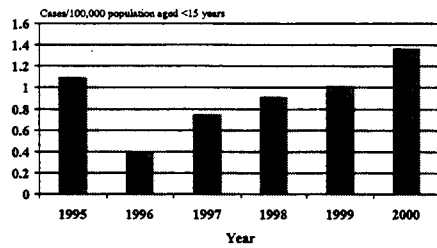
OPV3 coverage in Argentina, 1995-2000



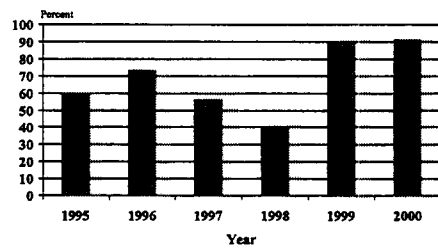
Percent health units reporting weekly on time Argentina, 1995-2000



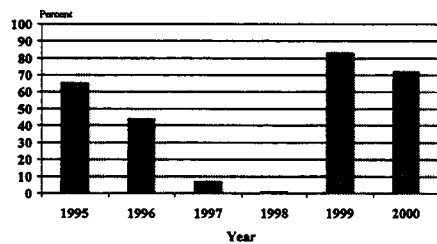
Annual AFP reporting rate Argentina, 1995-2000



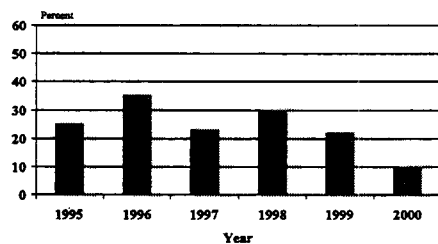
AFP cases investigated within 48 hours of report Argentina, 1995-2000



AFP cases with adequate stool specimens Argentina, 1995-2000



Percent of enterovirus isolation Argentina, 1995-2000



AFP SURVEILLANCE

Country:

Belize

Population: 241,000
 Population <1 year old 1999: 7,638
 Population <15 year old/100,000 2000: 0.83
 Year last wild poliovirus isolation: 1981

AFP INDICATORS

Criteria	Year					
	1995	1996	1997	1998	1999	2000
#of reported cases	0	0	1	0	0	0
Rate per 100,000 population <15 years old	0.00	0.00	1.11	0.00	0.00	0.00
% of sites reporting on time	.....	.....	.....	.....	.....	.....
% cases investigated <48 hours	NA	NA	100	NA	NA	NA
% of cases with adequate stool specimen	100	NA	NA	NA	NA	NA

OPV 3 Coverage

	Year					
	1995	1996	1997	1998	1999	2000
OPV3 National Coverage <1 year old	83	85	85	94	84	89
# of National Immunization Campaigns	0	0	0	0	0	0
% of municipalities coverage < 80%*	6	0	10	0	17	17

* 1998 <90% *1999-2000 <95%

Case distribution by classification

	Year					
	1995	1996	1997	1998	1999	2000
Probable	0	0	0	0	0	0
Discarded	0	0	1	0	0	0
Confirmed	0	0	0	0	0	0
Compatible	0	0	0	0	0	0

Percentage of cases with specimens

	Year					
	1995	1996	1997	1998	1999	2000
Reported cases	0	0	1	0	0	0
Cases with sample	NA	NA	1	NA	NA	NA
Proportion of cases with specimens (%)	NA	NA	100	NA	NA	NA

Status of stool specimens

	Year					
	1995	1996	1997	1998	1999	2000
Positive for any virus	NA	NA	0	NA	NA	NA
Negative for any virus	NA	NA	1	NA	NA	NA
Lost	NA	NA	0	NA	NA	NA
Bad	NA	NA	0	NA	NA	NA
Contaminated	NA	NA	0	NA	NA	NA
Pending	NA	NA	0	NA	NA	NA

<i>Not processed</i>	NA	NA	0	NA	NA	NA
Total without result	NA	NA	0	NA	NA	NA
Total # of specimens	NA	NA	1	NA	NA	NA
% of enterovirus isolation	NA	NA	0	NA	NA	NA

Type of virus isolated

	Year					
	1995	1996	1997	1998	1999	2000
Poliovirus 1						
<i>Non-characterized</i>	NA	NA	0	NA	NA	NA
<i>Vaccine</i>	NA	NA	0	NA	NA	NA
<i>Wild</i>	NA	NA	0	NA	NA	NA
Poliovirus 2						
<i>Non-characterized</i>	NA	NA	0	NA	NA	NA
<i>Vaccine</i>	NA	NA	0	NA	NA	NA
<i>Wild</i>	NA	NA	0	NA	NA	NA
Poliovirus 3						
<i>Non-characterized</i>	NA	NA	0	NA	NA	NA
<i>Vaccine</i>	NA	NA	0	NA	NA	NA
<i>Wild</i>	NA	NA	0	NA	NA	NA
Mixed						
<i>Non-characterized</i>	NA	NA	0	NA	NA	NA
<i>Vaccine</i>	NA	NA	0	NA	NA	NA
<i>Wild</i>	NA	NA	0	NA	NA	NA
Other	NA	NA	0	NA	NA	NA
Total	NA	NA	0	NA	NA	NA

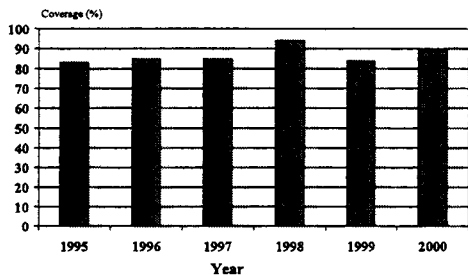
Source: country reports/PESS:02/15/2001

2000 provisional data

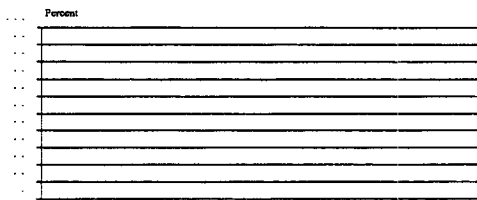
NA: Not applicable no cases reported

..... Not available data

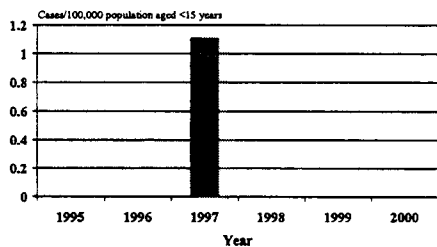
OPV3 coverage in Belize, 1995-2000



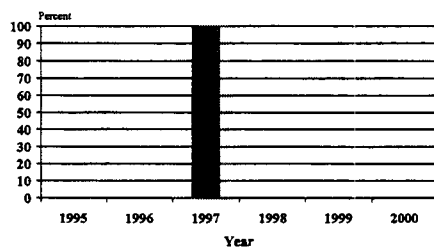
**Percent health units reporting weekly on time
Belize, 1995-2000**



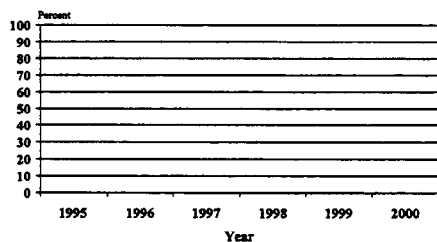
**Annual AFP reporting rate
Belize, 1995-2000**



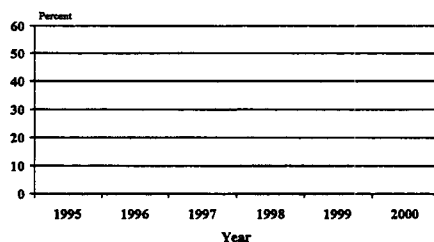
**AFP cases investigated within 48 hours of report
Belize, 1995-2000**



**AFP cases with adequate stool specimens
Belize, 1995-2000**



**Percent of enterovirus isolation
Belize, 1995-2000**



AFP SURVEILLANCE

Country:

Bolivia

Population: 8,329,000
 Population <1 year old 2000: 251,363
 Population <15 year old/100,000 2000: 30.46
 Year last wild poliovirus isolation: 1986

AFP INDICATORS

Criteria	Year					
	1995	1996	1997	1998	1999	2000
#of reported cases	38	41	54	38	31	25
Rate per 100,000 population <15 years old	1.25	1.34	1.73	1.19	0.96	0.76
% of sites reporting on time	82	86	85	91	72	95
% cases investigated <48 hours	95	85	93	92	74	92
% of cases with adequate stool specimen	87	78	74	58	68	72

OPV 3 Coverage

	Year					
	1995	1996	1997	1998	1999	2000
OPV3 National Coverage <1 year old	86	71	78	76	89	89
# of National Immunization Campaigns	2	2	2	2	2	2
% of municipalities coverage < 80%*	24	46	67	74	71	71

* 1998 <90% *1999-2000 <95%

Case distribution by classification

	Year					
	1995	1996	1997	1998	1999	2000
Probable	0	0	0	0	0	0
Discarded	38	41	54	38	31	25
Confirmed	0	0	0	0	0	0
Compatible	0	0	0	0	0	0

Percentage of cases with specimens

	Year					
	1995	1996	1997	1998	1999	2000
Reported cases	38	41	54	38	31	25
Cases with sample	38	41	54	38	31	25
Proportion of cases with specimens (%)	100	100	100	100	100	100

Status of stool specimens

	Year					
	1995	1996	1997	1998	1999	2000
Positive for any virus	14	12	14	8	6	3
Negative for any virus	52	44	38	30	25	20
Lost	0	0	0	0	0	0
Bad	0	0	0	0	0	0
Contaminated	0	0	0	0	0	0
Pending	0	0	0	0	0	0

<i>Not processed</i>	9	4	2	0	0	2
Total without result	9	4	2	0	0	2
Total # of specimens	75	60	54	38	31	25
% of enterovirus isolation	21	21	27	21	19	13

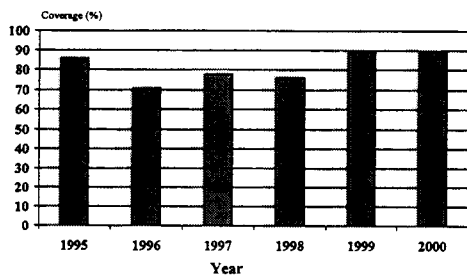
Type of virus isolated

	Year					
	1995	1996	1997	1998	1999	2000
Poliovirus 1						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	2	2	2	0	1	0
<i>Wild</i>	0	0	0	0	0	0
Poliovirus 2						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	1	0	2	0	0	0
<i>Wild</i>	0	0	0	0	0	0
Poliovirus 3						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	0	1	1	0	1	2
<i>Wild</i>	0	0	0	0	0	0
Mixed						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	0	0	0	0	0	0
<i>Wild</i>	0	0	0	0	0	0
Other	11	9	9	8	4	1
Total	14	12	14	8	6	3

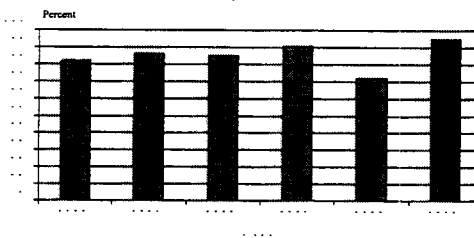
Source: country reports/PESS:02/15/2001

2000 provisional data

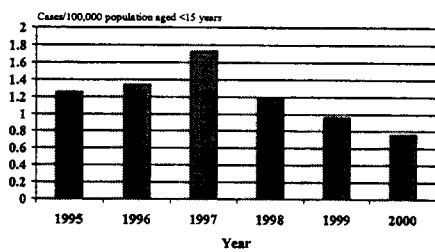
OPV3 coverage in Bolivia, 1995-2000



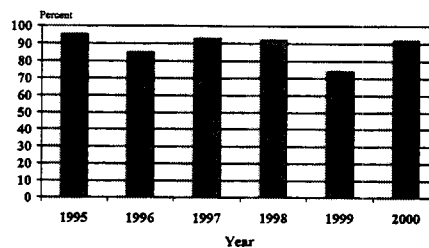
**Percent health units reporting weekly on time
Bolivia, 1995-2000**



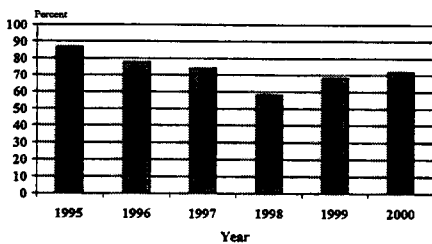
**Annual AFP reporting rate
Bolivia, 1995-2000**



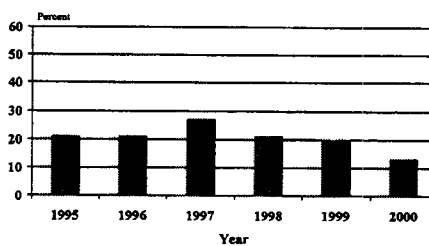
**AFP cases investigated within 48 hours of report
Bolivia, 1995-2000**



**AFP cases with adequate stool specimens
Bolivia, 1995-2000**



**Percent of enterovirus isolation
Bolivia, 1995-2000**



AFP SURVEILLANCE

Country:

Brazil

Population: 170,115,000
 Population <1 year old 2000: 3,296,663
 Population <15 year old/100,000 2000: 554.30
 Year last wild poliovirus isolation: 1989

AFP INDICATORS

Criteria	Year					
	1995	1996	1997	1998	1999	2000
#of reported cases	419	452	437	370	437	459
Rate per 100,000 population <15 years old	0.66	0.71	0.69	0.58	0.79	0.83
% of sites reporting on time	93	91	91	84	82	85
% cases investigated <48 hours	88	86	81	89	84	86
% of cases with adequate stool specimen	65	56	52	53	47	54

OPV 3 Coverage

	Year					
	1995	1996	1997	1998	1999	2000
OPV3 National Coverage <1 year old	89	78	89	96	98	99
# of National Immunization Campaigns	2	2	2	2	2	2
% of municipalities coverage < 80%*	55	59	60	49	47	67

* 1998 <90% *1999-2000 <95%

Case distribution by classification

	Year					
	1995	1996	1997	1998	1999	2000
Probable	0	0	0	0	0	41
Discarded	412	438	432	364	430	409
Confirmed	0	0	0	0	0	0
Compatible	7	14	5	6	7	9

Percentage of cases with specimens

	Year					
	1995	1996	1997	1998	1999	2000
Reported cases	419	452	437	370	437	459
Cases with sample	364	366	343	300	299	356
Proportion of cases with specimens (%)	87	81	78	81	68	78

Status of stool specimens

	Year					
	1995	1996	1997	1998	1999	2000
Positive for any virus	147	134	109	102	59	52
Negative for any virus	602	603	543	427	383	386
Lost	26	25	31	2	12	0
Bad	0	0	0	0	2	0
Contaminated	0	0	0	0	0	0
Pending	0	0	0	0	2	0

<i>Not processed</i>	10	6	6	42	105	0
Total without result	36	31	37	44	121	0
Total # of specimens	785	768	689	573	563	438
% of enterovirus isolation	20	18	17	19	13	12

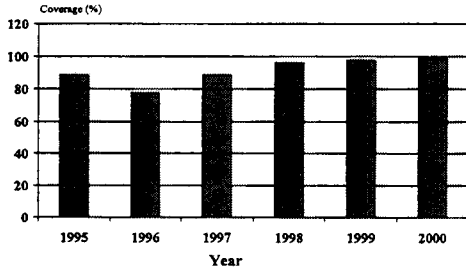
Type of virus isolated

	Year					
	1995	1996	1997	1998	1999	2000
Poliovirus 1						
<i>Non-characterized</i>	0	0	0	0	1	0
<i>Vaccine</i>	15	26	11	2	9	2
<i>Wild</i>	0	0	0	0	0	0
Poliovirus 2						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	14	11	12	1	5	4
<i>Wild</i>	0	0	0	0	0	0
Poliovirus 3						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	12	3	7	0	6	3
<i>Wild</i>	0	0	0	0	0	0
Mixed						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	16	22	2	0	2	0
<i>Wild</i>	0	0	0	0	0	0
Other	90	72	77	99	36	43
Total	147	134	109	102	59	52

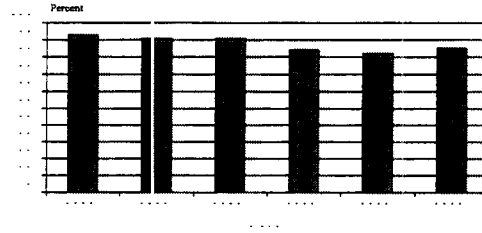
Source: country reports/PESS:02/15/2001

2000 provisional data

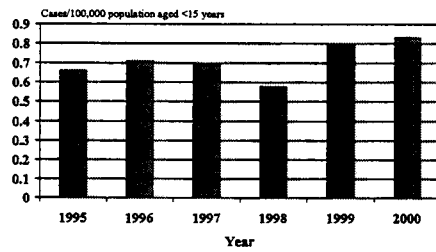
OPV3 coverage in Brazil, 1995-2000



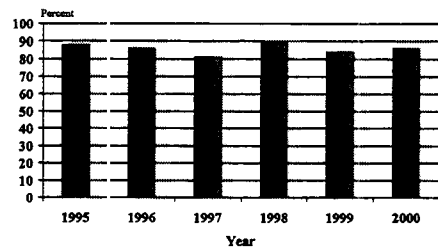
**Percent health units reporting weekly on time
Brazil, 1995-2000**



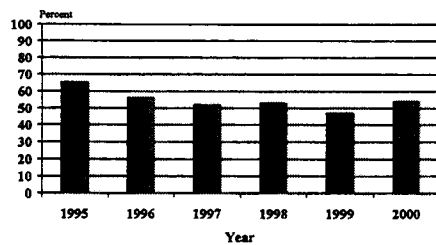
**Annual AFP reporting rate
Brazil, 1995-2000**



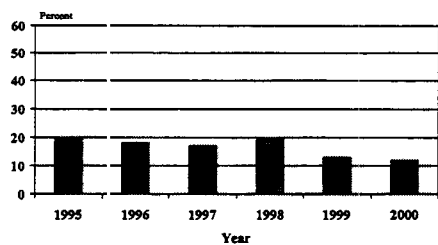
**AFP cases investigated within 48 hours of report
Brazil, 1995-2000**



**AFP cases with adequate stool specimens
Brazil, 1995-2000**



**Percent of enterovirus isolation
Brazil, 1995-2000**



<i>Not processed</i>	.....	.....	.....	.....	.....	.....
Total without result	.....	.....	.....	.....	.....	.....
Total # of specimens	.....	.....	.....	.....	.....	.....
% of enterovirus isolation	.....	.....	.....	.....	.....	.....

Type of virus isolated

	Year					
	1995	1996	1997	1998	1999	2000
Poliovirus 1						
<i>Non-characterized</i>
<i>Vaccine</i>
<i>Wild</i>
Poliovirus 2						
<i>Non-characterized</i>
<i>Vaccine</i>
<i>Wild</i>
Poliovirus 3						
<i>Non-characterized</i>
<i>Vaccine</i>
<i>Wild</i>
Mixed						
<i>Non-characterized</i>
<i>Vaccine</i>
<i>Wild</i>
Other
Total

Source: country reports/PESS:02/15/2001

2000 provisional data
 Not available data

AFP SURVEILLANCE

Country:	Anguilla
Population:	8,000
Population <1 year old 1999:	156
Population <15 year old/100,000 2000:	0.02
Year last wild poliovirus isolation:	N/A

AFP INDICATORS

Criteria	Year					
	1995	1996	1997	1998	1999	2000
#of reported cases	0	0	0	0	0	0
Rate per 100,000 population <15 years old	0.00	0.00	0.00	0.00	0.00	0.00
% of sites reporting on time	.....	.....	.....	.....	.....	.....
% cases investigated <48 hours	NA	NA	NA	NA	NA	NA
% of cases with adequate stool specimen	NA	NA	NA	NA	NA	NA

OPV 3 Coverage

	Year					
	1995	1996	1997	1998	1999	2000
OPV3 National Coverage <1 year old	99	99	99	99	99	94
# of National Immunization Campaigns	0	0	0	0	0	0
% of municipalities coverage < 80%*	0	0	0	0	0	0

* 1998 <90% *1999-2000 <95%

Case distribution by classification

	Year					
	1995	1996	1997	1998	1999	2000
Probable	NA	NA	NA	NA	NA	NA
Discarded	NA	NA	NA	NA	NA	NA
Confirmed	NA	NA	NA	NA	NA	NA
Compatible	NA	NA	NA	NA	NA	NA

Percentage of cases with specimens

	Year					
	1995	1996	1997	1998	1999	2000
Reported cases	NA	NA	NA	NA	NA	NA
Cases with sample	NA	NA	NA	NA	NA	NA
Proportion of cases with specimens (%)	NA	NA	NA	NA	NA	NA

Status of stool specimens

	Year					
	1995	1996	1997	1998	1999	2000
Positive for any virus	NA	NA	NA	NA	NA	NA
Negative for any virus	NA	NA	NA	NA	NA	NA
Lost	NA	NA	NA	NA	NA	NA
Bad	NA	NA	NA	NA	NA	NA
Contaminated	NA	NA	NA	NA	NA	NA
Pending	NA	NA	NA	NA	NA	NA
Not processed	NA	NA	NA	NA	NA	NA

Total without result	NA	NA	NA	NA	NA	NA
Total # of specimens	NA	NA	NA	NA	NA	NA
% of enterovirus isolation	NA	NA	NA	NA	NA	NA

Type of virus isolated

	Year					
	1995	1996	1997	1998	1999	2000
Poliovirus 1						
<i>Non-characterized</i>	NA	NA	NA	NA	NA	NA
<i>Vaccine</i>	NA	NA	NA	NA	NA	NA
<i>Wild</i>	NA	NA	NA	NA	NA	NA
Poliovirus 2						
<i>Non-characterized</i>	NA	NA	NA	NA	NA	NA
<i>Vaccine</i>	NA	NA	NA	NA	NA	NA
<i>Wild</i>	NA	NA	NA	NA	NA	NA
Poliovirus 3						
<i>Non-characterized</i>	NA	NA	NA	NA	NA	NA
<i>Vaccine</i>	NA	NA	NA	NA	NA	NA
<i>Wild</i>	NA	NA	NA	NA	NA	NA
Mixed						
<i>Non-characterized</i>	NA	NA	NA	NA	NA	NA
<i>Vaccine</i>	NA	NA	NA	NA	NA	NA
<i>Wild</i>	NA	NA	NA	NA	NA	NA
Other	NA	NA	NA	NA	NA	NA
Total	NA	NA	NA	NA	NA	NA

Source: country reports/PESS:02/15/2001

NA: Not applicable no cases reported

2000 provisional data

..... Not available data

AFP SURVEILLANCE

Country: Antigua&Barbuda

Population:	67,000
Population <1 year old 1999:	1,398
Population <15 year old/100,000 2000:	0.19
Year last wild poliovirus isolation:	1960

AFP INDICATORS

Criteria	Year					
	1995	1996	1997	1998	1999	2000
#of reported cases	0	1	0	0	0	0
Rate per 100,000 population <15 years old	0.00	3.85	0.00	0.00	0.00	0.00
% of sites reporting on time	.....	.....	.....	.....	.....	.....
% cases investigated <48 hours	NA	100	NA	NA	NA	NA
% of cases with adequate stool specimen	NA	100	NA	NA	NA	NA

OPV 3 Coverage

	Year					
	1995	1996	1997	1998	1999	2000
OPV3 National Coverage <1 year old	100	100	100	100	100	96
# of National Immunization Campaigns	0	0	0	0	0	0
% of municipalities coverage < 80%*	0	0	0	0	0	0

* 1998 <90% *1999-2000 <95%

Case distribution by classification

	Year					
	1995	1996	1997	1998	1999	2000
Probable	NA	0	NA	NA	NA	NA
Discarded	NA	1	NA	NA	NA	NA
Confirmed	NA	0	NA	NA	NA	NA
Compatible	NA	0	NA	NA	NA	NA

Percentage of cases with specimens

	Year					
	1995	1996	1997	1998	1999	2000
Reported cases	NA	1	NA	NA	NA	NA
Cases with sample	NA	1	NA	NA	NA	NA
Proportion of cases with specimens (%)	NA	100	NA	NA	NA	NA

Status of stool specimens

	Year					
	1995	1996	1997	1998	1999	2000
Positive for any virus	NA	0	NA	NA	NA	NA
Negative for any virus	NA	1	NA	NA	NA	NA
Lost	NA	0	NA	NA	NA	NA
Bad	NA	0	NA	NA	NA	NA
Contaminated	NA	0	NA	NA	NA	NA
Pending	NA	0	NA	NA	NA	NA

<i>Not processed</i>	NA	0	NA	NA	NA	NA
Total without result	NA	0	NA	NA	NA	NA
Total # of specimens	NA	1	NA	NA	NA	NA
% of enterovirus isolation	NA	0	NA	NA	NA	NA

Type of virus isolated

	Year					
	1995	1996	1997	1998	1999	2000
Poliovirus 1						
<i>Non-characterized</i>	NA	0	NA	NA	NA	NA
<i>Vaccine</i>	NA	0	NA	NA	NA	NA
<i>Wild</i>	NA	0	NA	NA	NA	NA
Poliovirus 2						
<i>Non-characterized</i>	NA	0	NA	NA	NA	NA
<i>Vaccine</i>	NA	0	NA	NA	NA	NA
<i>Wild</i>	NA	0	NA	NA	NA	NA
Poliovirus 3						
<i>Non-characterized</i>	NA	0	NA	NA	NA	NA
<i>Vaccine</i>	NA	0	NA	NA	NA	NA
<i>Wild</i>	NA	0	NA	NA	NA	NA
Mixed						
<i>Non-characterized</i>	NA	0	NA	NA	NA	NA
<i>Vaccine</i>	NA	0	NA	NA	NA	NA
<i>Wild</i>	NA	0	NA	NA	NA	NA
Other	NA	0	NA	NA	NA	NA
Total	NA	0	NA	NA	NA	NA

Source: country reports/PESS:02/15/2001
 NA: Not applicable no cases reported

2000 provisional data
 Not available data

AFP SURVEILLANCE

Country: Bahamas

Population:	307,000
Population <1 year old 1999:	5,713
Population <15 year old/100,000 2000:	1.14
Year last wild poliovirus isolation:	1978

AFP INDICATORS

Criteria	Year					
	1995	1996	1997	1998	1999	2000
#of reported cases	0	0	0	0	0	0
Rate per 100,000 population <15 years old	0.00	0.00	0.00	0.00	0.00	0.00
% of sites reporting on time	.....	.....	.....	.....	.....	.....
% cases investigated <48 hours	NA	NA	NA	NA	NA	NA
% of cases with adequate stool specimen	NA	NA	NA	NA	NA	NA

OPV 3 Coverage

	Year					
	1995	1996	1997	1998	1999	2000
OPV3 National Coverage <1 year old	87	85	86	88	82	91
# of National Immunization Campaigns	0	0	0	0	0	0
% of municipalities coverage < 80%*	0	0	0	0	0	0

* 1998 <90% *1999-2000 <95%

Case distribution by classification

	Year					
	1995	1996	1997	1998	1999	2000
Probable	NA	NA	NA	NA	NA	NA
Discarded	NA	NA	NA	NA	NA	NA
Confirmed	NA	NA	NA	NA	NA	NA
Compatible	NA	NA	NA	NA	NA	NA

Percentage of cases with specimens

	Year					
	1995	1996	1997	1998	1999	2000
Reported cases	NA	NA	NA	NA	NA	NA
Cases with sample	NA	NA	NA	NA	NA	NA
Proportion of cases with specimens (%)	NA	NA	NA	NA	NA	NA

Status of stool specimens

	Year					
	1995	1996	1997	1998	1999	2000
Positive for any virus	NA	NA	NA	NA	NA	NA
Negative for any virus	NA	NA	NA	NA	NA	NA
Lost	NA	NA	NA	NA	NA	NA
Bad	NA	NA	NA	NA	NA	NA
Contaminated	NA	NA	NA	NA	NA	NA
Pending	NA	NA	NA	NA	NA	NA

<i>Not processed</i>	NA	NA	NA	NA	NA	NA
Total without result	NA	NA	NA	NA	NA	NA
Total # of specimens	NA	NA	NA	NA	NA	NA
% of enterovirus isolation	NA	NA	NA	NA	NA	NA

Type of virus isolated

	Year					
	1995	1996	1997	1998	1999	2000
Poliovirus 1						
<i>Non-characterized</i>	NA	NA	NA	NA	NA	NA
<i>Vaccine</i>	NA	NA	NA	NA	NA	NA
<i>Wild</i>	NA	NA	NA	NA	NA	NA
Poliovirus 2						
<i>Non-characterized</i>	NA	NA	NA	NA	NA	NA
<i>Vaccine</i>	NA	NA	NA	NA	NA	NA
<i>Wild</i>	NA	NA	NA	NA	NA	NA
Poliovirus 3						
<i>Non-characterized</i>	NA	NA	NA	NA	NA	NA
<i>Vaccine</i>	NA	NA	NA	NA	NA	NA
<i>Wild</i>	NA	NA	NA	NA	NA	NA
Mixed						
<i>Non-characterized</i>	NA	NA	NA	NA	NA	NA
<i>Vaccine</i>	NA	NA	NA	NA	NA	NA
<i>Wild</i>	NA	NA	NA	NA	NA	NA
Other	NA	NA	NA	NA	NA	NA
Total	NA	NA	NA	NA	NA	NA

Source: country reports/PESS:02/15/2001

2000 provisional data

NA: Not applicable no cases reported

..... Not available data

AFP SURVEILLANCE

Country: Barbados

Population:	270,000
Population <1 year old 1999:	3,534
Population <15 year old/100,000 2000:	1.04
Year last wild poliovirus isolation:	1967

AFP INDICATORS

Criteria	Year					
	1995	1996	1997	1998	1999	2000
#of reported cases	1	1	0	0	0	0
Rate per 100,000 population <15 years old	0.96	0.96	0.00	0.00	0.00	0.00
% of sites reporting on time	.....	.....	.....	.....	.....	.....
% cases investigated <48 hours	0	100	NA	NA	NA	NA
% of cases with adequate stool specimen	0	100	NA	NA	NA	NA

OPV 3 Coverage

	Year					
	1995	1996	1997	1998	1999	2000
OPV3 National Coverage <1 year old	93	85	96	93	86 ...	
# of National Immunization Campaigns	0	0	0	0	0	0
% of municipalities coverage < 80%*	0	0	0	0	0	0

* 1998 <90% *1999-2000 <95%

Case distribution by classification

	Year					
	1995	1996	1997	1998	1999	2000
Probable	0	0	NA	NA	NA	NA
Discarded	1	1	NA	NA	NA	NA
Confirmed	0	0	NA	NA	NA	NA
Compatible	0	0	NA	NA	NA	NA

Percentage of cases with specimens

	Year					
	1995	1996	1997	1998	1999	2000
Reported cases	1	1	NA	NA	NA	NA
Cases with sample	1	1	NA	NA	NA	NA
Proportion of cases with specimens (%)	100	100	NA	NA	NA	NA

Status of stool specimens

	Year					
	1995	1996	1997	1998	1999	2000
Positive for any virus	1	0	NA	NA	NA	NA
Negative for any virus	0	1	NA	NA	NA	NA
Lost	0	0	NA	NA	NA	NA
Bad	0	0	NA	NA	NA	NA
Contaminated	0	0	NA	NA	NA	NA
Pending	0	0	NA	NA	NA	NA

<i>Not processed</i>	0	0	NA	NA	NA	NA
Total without result	0	0	NA	NA	NA	NA
Total # of specimens	1	1	NA	NA	NA	NA
% of enterovirus isolation	0	0	NA	NA	NA	NA

Type of virus isolated

	Year					
	1995	1996	1997	1998	1999	2000
Poliovirus 1						
<i>Non-characterized</i>	0	0	NA	NA	NA	NA
<i>Vaccine</i>	0	0	NA	NA	NA	NA
<i>Wild</i>	0	0	NA	NA	NA	NA
Poliovirus 2						
<i>Non-characterized</i>	0	0	NA	NA	NA	NA
<i>Vaccine</i>	0	0	NA	NA	NA	NA
<i>Wild</i>	0	0	NA	NA	NA	NA
Poliovirus 3						
<i>Non-characterized</i>	0	0	NA	NA	NA	NA
<i>Vaccine</i>	0	0	NA	NA	NA	NA
<i>Wild</i>	0	0	NA	NA	NA	NA
Mixed						
<i>Non-characterized</i>	0	0	NA	NA	NA	NA
<i>Vaccine</i>	0	0	NA	NA	NA	NA
<i>Wild</i>	0	0	NA	NA	NA	NA
Other	0	0	NA	NA	NA	NA
Total	0	0	NA	NA	NA	NA

Source: country reports/PESS:02/15/2001

2000 provisional data

NA: Not applicable no cases reported

..... Not available data

AFP SURVEILLANCE

Country: Cayman Islands

Population:	37,000
Population <1 year old 1999:	562
Population <15 year old/100,000 2000:	0.12
Year last wild poliovirus isolation:	1957

AFP INDICATORS

Criteria	Year					
	1995	1996	1997	1998	1999	2000
#of reported cases	0	0	0	0	0	0
Rate per 100,000 population <15 years old	0.00	0.00	0.00	0.00	0.00	0.00
% of sites reporting on time	.....	.....	.....	.....	.....	.....
% cases investigated <48 hours	NA	NA	NA	NA	NA	NA
% of cases with adequate stool specimen	NA	NA	NA	NA	NA	NA

OPV 3 Coverage

	Year					
	1995	1996	1997	1998	1999	2000
OPV3 National Coverage <1 year old	98	95	96	93	94 ...	
# of National Immunization Campaigns	0	0	0	0	0	0
% of municipalities coverage < 80%*	0	0	0	0	0	0

* 1998 <90% *1999-2000 <95%

Case distribution by classification

	Year					
	1995	1996	1997	1998	1999	2000
Probable	NA	NA	NA	NA	NA	NA
Discarded	NA	NA	NA	NA	NA	NA
Confirmed	NA	NA	NA	NA	NA	NA
Compatible	NA	NA	NA	NA	NA	NA

Percentage of cases with specimens

	Year					
	1995	1996	1997	1998	1999	2000
Reported cases	NA	NA	NA	NA	NA	NA
Cases with sample	NA	NA	NA	NA	NA	NA
Proportion of cases with specimens (%)	NA	NA	NA	NA	NA	NA

Status of stool specimens

	Year					
	1995	1996	1997	1998	1999	2000
Positive for any virus	NA	NA	NA	NA	NA	NA
Negative for any virus	NA	NA	NA	NA	NA	NA
Lost	NA	NA	NA	NA	NA	NA
Bad	NA	NA	NA	NA	NA	NA
Contaminated	NA	NA	NA	NA	NA	NA
Pending	NA	NA	NA	NA	NA	NA

<i>Not processed</i>	NA	NA	NA	NA	NA	NA
Total without result	NA	NA	NA	NA	NA	NA
Total # of specimens	NA	NA	NA	NA	NA	NA
% of enterovirus isolation	NA	NA	NA	NA	NA	NA

Type of virus isolated

	Year					
	1995	1996	1997	1998	1999	2000
Poliovirus 1						
<i>Non-characterized</i>	NA	NA	NA	NA	NA	NA
<i>Vaccine</i>	NA	NA	NA	NA	NA	NA
<i>Wild</i>	NA	NA	NA	NA	NA	NA
Poliovirus 2						
<i>Non-characterized</i>	NA	NA	NA	NA	NA	NA
<i>Vaccine</i>	NA	NA	NA	NA	NA	NA
<i>Wild</i>	NA	NA	NA	NA	NA	NA
Poliovirus 3						
<i>Non-characterized</i>	NA	NA	NA	NA	NA	NA
<i>Vaccine</i>	NA	NA	NA	NA	NA	NA
<i>Wild</i>	NA	NA	NA	NA	NA	NA
Mixed						
<i>Non-characterized</i>	NA	NA	NA	NA	NA	NA
<i>Vaccine</i>	NA	NA	NA	NA	NA	NA
<i>Wild</i>	NA	NA	NA	NA	NA	NA
Other	NA	NA	NA	NA	NA	NA
Total	NA	NA	NA	NA	NA	NA

Source: country reports/PESS:02/15/2001

2000 provisional data

NA: Not applicable no cases reported

..... Not available data

AFP SURVEILLANCE

Country: **Dominica**

Population:	71,000
Population <1 year old 1999:	1,205
Population <15 year old/100,000 2000:	0.28
Year last wild poliovirus isolation:	N/A

AFP INDICATORS

	Year					
	1995	1996	1997	1998	1999	2000
Criteria						
#of reported cases	0	0	0	0	0	0
Rate per 100,000 population <15 years old	0.00	0.00	0.00	0.00	0.00	0.00
% of sites reporting on time	.....	.....	.....	.....	.....	.....
% cases investigated <48 hours	NA	NA	NA	NA	NA	NA
% of cases with adequate stool specimen	NA	NA	NA	NA	NA	NA

OPV 3 Coverage

	Year					
	1995	1996	1997	1998	1999	2000
OPV3 National Coverage <1 year old	100	100	97	99	99	99
# of National Immunization Campaigns	0	0	0	0	0	0
% of municipalities coverage < 80%*	0	0	0	0	0	0

* 1998 <90% *1999-2000 <95%

Case distribution by classification

	Year					
	1995	1996	1997	1998	1999	2000
Probable	NA	NA	NA	NA	NA	NA
Discarded	NA	NA	NA	NA	NA	NA
Confirmed	NA	NA	NA	NA	NA	NA
Compatible	NA	NA	NA	NA	NA	NA

Percentage of cases with specimens

	Year					
	1995	1996	1997	1998	1999	2000
Reported cases	NA	NA	NA	NA	NA	NA
Cases with sample	NA	NA	NA	NA	NA	NA
Proportion of cases with specimens (%)	NA	NA	NA	NA	NA	NA

Status of stool specimens

	Year					
	1995	1996	1997	1998	1999	2000
Positive for any virus	NA	NA	NA	NA	NA	NA
Negative for any virus	NA	NA	NA	NA	NA	NA
<i>Lost</i>	NA	NA	NA	NA	NA	NA
<i>Bad</i>	NA	NA	NA	NA	NA	NA
<i>Contaminated</i>	NA	NA	NA	NA	NA	NA
<i>Pending</i>	NA	NA	NA	NA	NA	NA

<i>Not processed</i>	NA	NA	NA	NA	NA	NA
Total without result	NA	NA	NA	NA	NA	NA
Total # of specimens	NA	NA	NA	NA	NA	NA
% of enterovirus isolation	NA	NA	NA	NA	NA	NA

Type of virus isolated

	Year					
	1995	1996	1997	1998	1999	2000
Poliovirus 1						
<i>Non-characterized</i>	NA	NA	NA	NA	NA	NA
<i>Vaccine</i>	NA	NA	NA	NA	NA	NA
<i>Wild</i>	NA	NA	NA	NA	NA	NA
Poliovirus 2						
<i>Non-characterized</i>	NA	NA	NA	NA	NA	NA
<i>Vaccine</i>	NA	NA	NA	NA	NA	NA
<i>Wild</i>	NA	NA	NA	NA	NA	NA
Poliovirus 3						
<i>Non-characterized</i>	NA	NA	NA	NA	NA	NA
<i>Vaccine</i>	NA	NA	NA	NA	NA	NA
<i>Wild</i>	NA	NA	NA	NA	NA	NA
Mixed						
<i>Non-characterized</i>	NA	NA	NA	NA	NA	NA
<i>Vaccine</i>	NA	NA	NA	NA	NA	NA
<i>Wild</i>	NA	NA	NA	NA	NA	NA
Other	NA	NA	NA	NA	NA	NA
Total	NA	NA	NA	NA	NA	NA

Source: country reports/PESS:02/15/2001

2000 provisional data

NA: Not applicable no cases reported

..... Not available data

AFP SURVEILLANCE

Country: Grenada

Population:	93,000
Population <1 year old 1999:	1,858
Population <15 year old/100,000 2000:	0.27
Year last wild poliovirus isolation:	1955

AFP INDICATORS

Criteria	Year					
	1995	1996	1997	1998	1999	2000
#of reported cases	0	0	0	0	0	0
Rate per 100,000 population <15 years old	0.00	0.00	0.00	0.00	0.00	0.00
% of sites reporting on time	.....	.....	.....	.....	.....	.....
% cases investigated <48 hours	NA	NA	NA	NA	NA	NA
% of cases with adequate stool specimen	NA	NA	NA	NA	NA	NA

OPV 3 Coverage

	Year					
	1995	1996	1997	1998	1999	2000
OPV3 National Coverage <1 year old	77	80	95	95	87	97
# of National Immunization Campaigns	0	0	0	0	0	0
% of municipalities coverage < 80%*	0	0	0	0	0	0

* 1998 <90% *1999-2000 <95%

Case distribution by classification

	Year					
	1995	1996	1997	1998	1999	2000
Probable	NA	NA	NA	NA	NA	NA
Discarded	NA	NA	NA	NA	NA	NA
Confirmed	NA	NA	NA	NA	NA	NA
Compatible	NA	NA	NA	NA	NA	NA

Percentage of cases with specimens

	Year					
	1995	1996	1997	1998	1999	2000
Reported cases	NA	NA	NA	NA	NA	NA
Cases with sample	NA	NA	NA	NA	NA	NA
Proportion of cases with specimens (%)	NA	NA	NA	NA	NA	NA

Status of stool specimens

	Year					
	1995	1996	1997	1998	1999	2000
Positive for any virus	NA	NA	NA	NA	NA	NA
Negative for any virus	NA	NA	NA	NA	NA	NA
Lost	NA	NA	NA	NA	NA	NA
Bad	NA	NA	NA	NA	NA	NA
Contaminated	NA	NA	NA	NA	NA	NA
Pending	NA	NA	NA	NA	NA	NA

<i>Not processed</i>	NA	NA	NA	NA	NA	NA
Total without result	NA	NA	NA	NA	NA	NA
Total # of specimens	NA	NA	NA	NA	NA	NA
% of enterovirus isolation	NA	NA	NA	NA	NA	NA

Type of virus isolated

	Year					
	1995	1996	1997	1998	1999	2000
Poliovirus 1						
<i>Non-characterized</i>	NA	NA	NA	NA	NA	NA
<i>Vaccine</i>	NA	NA	NA	NA	NA	NA
<i>Wild</i>	NA	NA	NA	NA	NA	NA
Poliovirus 2						
<i>Non-characterized</i>	NA	NA	NA	NA	NA	NA
<i>Vaccine</i>	NA	NA	NA	NA	NA	NA
<i>Wild</i>	NA	NA	NA	NA	NA	NA
Poliovirus 3						
<i>Non-characterized</i>	NA	NA	NA	NA	NA	NA
<i>Vaccine</i>	NA	NA	NA	NA	NA	NA
<i>Wild</i>	NA	NA	NA	NA	NA	NA
Mixed						
<i>Non-characterized</i>	NA	NA	NA	NA	NA	NA
<i>Vaccine</i>	NA	NA	NA	NA	NA	NA
<i>Wild</i>	NA	NA	NA	NA	NA	NA
Other	NA	NA	NA	NA	NA	NA
Total	NA	NA	NA	NA	NA	NA

Source: country reports/PESS:02/15/2001

2000 provisional data

NA: Not applicable no cases reported

..... Not available data

AFP SURVEILLANCE

Country:

Guyana

Population: 861,000
 Population <1 year old 1999: 20,414
 Population <15 year old/100,000 2000: 2.85
 Year last wild poliovirus isolation: 1962

AFP INDICATORS

Criteria	Year					
	1995	1996	1997	1998	1999	2000
#of reported cases	2	4	1	2	3	1
Rate per 100,000 population <15 years old	0.86	1.72	0.43	0.86	1.05	0.35
% of sites reporting on time	.....	.....	.....	.....	.....	.....
% cases investigated <48 hours	100	75	100	0	75	100
% of cases with adequate stool specimen	100	100	100	100	33	100

OPV 3 Coverage

	Year					
	1995	1996	1997	1998	1999	2000
OPV3 National Coverage <1 year old	87	83	88	90	83	78
# of National Immunization Campaigns	0	0	0	0	0	0
% of municipalities coverage < 80%*	40	40	0	20	40	40

* 1998 <90% *1999-2000 <95%

Case distribution by classification

	Year					
	1995	1996	1997	1998	1999	2000
Probable	0	0	0	0	0	0
Discarded	2	4	1	2	3	1
Confirmed	0	0	0	0	0	0
Compatible	0	0	0	0	0	0

Percentage of cases with specimens

	Year					
	1995	1996	1997	1998	1999	2000
Reported cases	2	4	1	2	3	1
Cases with sample	2	4	1	2	1	1
Proportion of cases with specimens (%)	100	100	100	100	33	100

Status of stool specimens

	Year					
	1995	1996	1997	1998	1999	2000
Positive for any virus	0	3	0	0	0	1
Negative for any virus	2	1	1	1	1	0
Lost	0	0	0	0	0	0
Bad	0	0	0	0	0	0
Contaminated	0	0	0	0	0	0
Pending	0	0	0	0	0	0

<i>Not processed</i>	0	0	1	0	0	1
Total without result	0	0	1	0	0	0
Total # of specimens	2	4	1	1	1	1
% of enterovirus isolation	0	75	0	0	0	100

Type of virus isolated

	Year					
	1995	1996	1997	1998	1999	2000
Poliovirus 1						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	0	0	0	0	0	0
<i>Wild</i>	0	0	0	0	0	0
Poliovirus 2						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	0	0	0	0	0	0
<i>Wild</i>	0	0	0	0	0	0
Poliovirus 3						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	0	0	0	0	0	0
<i>Wild</i>	0	0	0	0	0	0
Mixed						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	0	0	0	0	0	0
<i>Wild</i>	0	0	0	0	0	0
Other	0	0	0	0	0	0
Total	0	0	0	0	0	0

Source: country reports/PESS:02/15/2001

2000 provisional data
 Not available data

AFP SURVEILLANCE

Country:	Jamaica
Population:	2,583,000
Population <1 year old 1999:	56,937
Population <15 year old/100,000 2000:	7.92
Year last wild poliovirus isolation:	1982

AFP INDICATORS

	Year					
	1995	1996	1997	1998	1999	2000
Criteria						
#of reported cases	10	4	5	11	4	2
Rate per 100,000 population <15 years old	0.99	0.40	0.49	1.09	0.51	0.25
% of sites reporting on time	.....	.....	.....	.....	.....	.....
% cases investigated <48 hours	90	60	20	0	75	100
% of cases with adequate stool specimen	90	100	60	0	80	50

OPV 3 Coverage

	Year					
	1995	1996	1997	1998	1999	2000
OPV3 National Coverage <1 year old	91	92	90	85	80	86
# of National Immunization Campaigns	0	0	0	0	0	0
% of municipalities coverage < 80%*	8	8	8	33	54	23

* 1998 <90% *1999-2000 <95%

Case distribution by classification

	Year					
	1995	1996	1997	1998	1999	2000
Probable	0	0	0	0	0	2
Discarded	10	4	5	1	4	0
Confirmed	0	0	0	0	0	0
Compatible	0	0	0	0	0	0

Percentage of cases with specimens

	Year					
	1995	1996	1997	1998	1999	2000
Reported cases	10	4	5	11	5	2
Cases with sample	9	4	3	0	4	1
Proportion of cases with specimens (%)	90	100	60	0	80	50

Status of stool specimens

	Year					
	1995	1996	1997	1998	1999	2000
Positive for any virus	3	1	0	0	1	0
Negative for any virus	6	3	2	0	3	0
Lost	0	0	0	0	0	0
Bad	0	0	0	0	0	0
Contaminated	0	0	0	0	0	0
Pending	0	0	0	0	0	0

<i>Not processed</i>	0	0	0	0	0	1
Total without result	0	0	0	0	0	0
Total # of specimens	9	4	2	0	4	1
% of enterovirus isolation	33	25	0	0	25	0

Type of virus isolated

	Year					
	1995	1996	1997	1998	1999	2000
Poliovirus 1						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	0	0	0	0	0	0
<i>Wild</i>	0	0	0	0	0	0
Poliovirus 2						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	0	0	0	0	0	0
<i>Wild</i>	0	0	0	0	0	0
Poliovirus 3						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	0	0	0	0	0	0
<i>Wild</i>	0	0	0	0	0	0
Mixed						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	0	0	0	0	0	0
<i>Wild</i>	0	0	0	0	0	0
Other	0	0	0	0	0	0
Total	0	0	0	0	0	0

Source: country reports/PESS:02/15/2001

2000 provisional data
 Not available data

AFP SURVEILLANCE

Country:	Montserrat
Population:	11,000
Population <1 year old 1999:	48
Population <15 year old/100,000 2000:	0.04
Year last wild poliovirus isolation:	N/A

AFP INDICATORS

	Year					
	1995	1996	1997	1998	1999	2000
Criteria						
#of reported cases	0	0	0	0	0	0
Rate per 100,000 population <15 years old	0.00	0.00	0.00	0.00	0.00	0.00
% of sites reporting on time	.....	.....	.....	.....	.....	.....
% cases investigated <48 hours	NA	NA	NA	NA	NA	NA
% of cases with adequate stool specimen	NA	NA	NA	NA	NA	NA

OPV 3 Coverage

	Year					
	1995	1996	1997	1998	1999	2000
OPV3 National Coverage <1 year old	100	98	99	99	99 ...	
# of National Immunization Campaigns	0	0	0	0	0	0
% of municipalities coverage < 80%*	0	0	0	0	0	0

* 1998 <90% *1999-2000 <95%

Case distribution by classification

	Year					
	1995	1996	1997	1998	1999	2000
Probable	NA	NA	NA	NA	NA	NA
Discarded	NA	NA	NA	NA	NA	NA
Confirmed	NA	NA	NA	NA	NA	NA
Compatible	NA	NA	NA	NA	NA	NA

Percentage of cases with specimens

	Year					
	1995	1996	1997	1998	1999	2000
Reported cases	NA	NA	NA	NA	NA	NA
Cases with sample	NA	NA	NA	NA	NA	NA
Proportion of cases with specimens (%)	NA	NA	NA	NA	NA	NA

Status of stool specimens

	Year					
	1995	1996	1997	1998	1999	2000
Positive for any virus	NA	NA	NA	NA	NA	NA
Negative for any virus	NA	NA	NA	NA	NA	NA
<i>Lost</i>	NA	NA	NA	NA	NA	NA
<i>Bad</i>	NA	NA	NA	NA	NA	NA
<i>Contaminated</i>	NA	NA	NA	NA	NA	NA
<i>Pending</i>	NA	NA	NA	NA	NA	NA

<i>Not processed</i>	NA	NA	NA	NA	NA	NA
Total without result	NA	NA	NA	NA	NA	NA
Total # of specimens	NA	NA	NA	NA	NA	NA
% of enterovirus isolation	NA	NA	NA	NA	NA	NA

Type of virus isolated

	Year					
	1995	1996	1997	1998	1999	2000
Poliovirus 1						
<i>Non-characterized</i>	NA	NA	NA	NA	NA	NA
<i>Vaccine</i>	NA	NA	NA	NA	NA	NA
<i>Wild</i>	NA	NA	NA	NA	NA	NA
Poliovirus 2						
<i>Non-characterized</i>	NA	NA	NA	NA	NA	NA
<i>Vaccine</i>	NA	NA	NA	NA	NA	NA
<i>Wild</i>	NA	NA	NA	NA	NA	NA
Poliovirus 3						
<i>Non-characterized</i>	NA	NA	NA	NA	NA	NA
<i>Vaccine</i>	NA	NA	NA	NA	NA	NA
<i>Wild</i>	NA	NA	NA	NA	NA	NA
Mixed						
<i>Non-characterized</i>	NA	NA	NA	NA	NA	NA
<i>Vaccine</i>	NA	NA	NA	NA	NA	NA
<i>Wild</i>	NA	NA	NA	NA	NA	NA
Other	NA	NA	NA	NA	NA	NA
Total	NA	NA	NA	NA	NA	NA

Source: country reports/PESS:02/15/2001

2000 provisional data

NA: Not applicable no cases reported

..... Not available data

AFP SURVEILLANCE

Country:

Saint Kitts & Nevis

Population: 39,000
 Population <1 year old 1999: 908
 Population <15 year old/100,000 2000: 0.12
 Year last wild poliovirus isolation: 1960

AFP INDICATORS

	Year					
	1995	1996	1997	1998	1999	2000
Criteria						
#of reported cases	0	0	0	0	0	0
Rate per 100,000 population <15 years old	0.00	0.00	0.00	0.00	0.00	0.00
% of sites reporting on time	.....	.....	.....	.....	.....	.....
% cases investigated <48 hours	NA	NA	NA	NA	NA	NA
% of cases with adequate stool specimen	NA	NA	NA	NA	NA	NA

OPV 3 Coverage

	Year					
	1995	1996	1997	1998	1999	2000
OPV3 National Coverage <1 year old	99	98	100	98	100	99
# of National Immunization Campaigns	0	0	0	0	0	0
% of municipalities coverage < 80%*	0	0	0	0	0	0

* 1998 <90% *1999-2000 <95%

Case distribution by classification

	Year					
	1995	1996	1997	1998	1999	2000
Probable	NA	NA	NA	NA	NA	NA
Discarded	NA	NA	NA	NA	NA	NA
Confirmed	NA	NA	NA	NA	NA	NA
Compatible	NA	NA	NA	NA	NA	NA

Percentage of cases with specimens

	Year					
	1995	1996	1997	1998	1999	2000
Reported cases	NA	NA	NA	NA	NA	NA
Cases with sample	NA	NA	NA	NA	NA	NA
Proportion of cases with specimens (%)	NA	NA	NA	NA	NA	NA

Status of stool specimens

	Year					
	1995	1996	1997	1998	1999	2000
Positive for any virus	NA	NA	NA	NA	NA	NA
Negative for any virus	NA	NA	NA	NA	NA	NA
Lost	NA	NA	NA	NA	NA	NA
Bad	NA	NA	NA	NA	NA	NA
Contaminated	NA	NA	NA	NA	NA	NA
Pending	NA	NA	NA	NA	NA	NA

<i>Not processed</i>	NA	NA	NA	NA	NA	NA
Total without result	NA	NA	NA	NA	NA	NA
Total # of specimens	NA	NA	NA	NA	NA	NA
% of enterovirus isolation	NA	NA	NA	NA	NA	NA

Type of virus isolated

	Year					
	1995	1996	1997	1998	1999	2000
Poliovirus 1						
<i>Non-characterized</i>	NA	NA	NA	NA	NA	NA
<i>Vaccine</i>	NA	NA	NA	NA	NA	NA
<i>Wild</i>	NA	NA	NA	NA	NA	NA
Poliovirus 2						
<i>Non-characterized</i>	NA	NA	NA	NA	NA	NA
<i>Vaccine</i>	NA	NA	NA	NA	NA	NA
<i>Wild</i>	NA	NA	NA	NA	NA	NA
Poliovirus 3						
<i>Non-characterized</i>	NA	NA	NA	NA	NA	NA
<i>Vaccine</i>	NA	NA	NA	NA	NA	NA
<i>Wild</i>	NA	NA	NA	NA	NA	NA
Mixed						
<i>Non-characterized</i>	NA	NA	NA	NA	NA	NA
<i>Vaccine</i>	NA	NA	NA	NA	NA	NA
<i>Wild</i>	NA	NA	NA	NA	NA	NA
Other	NA	NA	NA	NA	NA	NA
Total	NA	NA	NA	NA	NA	NA

Source: country reports/PESS:02/15/2001

2000 provisional data

NA: Not applicable no cases reported

..... Not available data

AFP SURVEILLANCE

Country: Saint Lucia

Population:	152,000
Population <1 year old 1999:	2,969
Population <15 year old/100,000 2000:	0.45
Year last wild poliovirus isolation:	N/A

AFP INDICATORS

Criteria	Year					
	1995	1996	1997	1998	1999	2000
#of reported cases	0	0	0	0	0	0
Rate per 100,000 population <15 years old	0.00	0.00	0.00	0.00	0.00	0.00
% of sites reporting on time	.....	.....	.....	.....	.....	.....
% cases investigated <48 hours	NA	NA	NA	NA	NA	NA
% of cases with adequate stool specimen	NA	NA	NA	NA	NA	NA

OPV 3 Coverage

	Year					
	1995	1996	1997	1998	1999	2000
OPV3 National Coverage <1 year old	98	88	98	88	89	70
# of National Immunization Campaigns	0	0	0	0	0	0
% of municipalities coverage < 80%*	0	0	0	0	0	0

* 1998 <90% *1999-2000 <95%

Case distribution by classification

	Year					
	1995	1996	1997	1998	1999	2000
Probable	NA	NA	NA	NA	NA	NA
Discarded	NA	NA	NA	NA	NA	NA
Confirmed	NA	NA	NA	NA	NA	NA
Compatible	NA	NA	NA	NA	NA	NA

Percentage of cases with specimens

	Year					
	1995	1996	1997	1998	1999	2000
Reported cases	NA	NA	NA	NA	NA	NA
Cases with sample	NA	NA	NA	NA	NA	NA
Proportion of cases with specimens (%)	NA	NA	NA	NA	NA	NA

Status of stool specimens

	Year					
	1995	1996	1997	1998	1999	2000
Positive for any virus	NA	NA	NA	NA	NA	NA
Negative for any virus	NA	NA	NA	NA	NA	NA
Lost	NA	NA	NA	NA	NA	NA
Bad	NA	NA	NA	NA	NA	NA
Contaminated	NA	NA	NA	NA	NA	NA
Pending	NA	NA	NA	NA	NA	NA

<i>Not processed</i>	NA	NA	NA	NA	NA	NA
Total without result	NA	NA	NA	NA	NA	NA
Total # of specimens	NA	NA	NA	NA	NA	NA
% of enterovirus isolation	NA	NA	NA	NA	NA	NA

Type of virus isolated

	Year					
	1995	1996	1997	1998	1999	2000
Poliovirus 1						
<i>Non-characterized</i>	NA	NA	NA	NA	NA	NA
<i>Vaccine</i>	NA	NA	NA	NA	NA	NA
<i>Wild</i>	NA	NA	NA	NA	NA	NA
Poliovirus 2						
<i>Non-characterized</i>	NA	NA	NA	NA	NA	NA
<i>Vaccine</i>	NA	NA	NA	NA	NA	NA
<i>Wild</i>	NA	NA	NA	NA	NA	NA
Poliovirus 3						
<i>Non-characterized</i>	NA	NA	NA	NA	NA	NA
<i>Vaccine</i>	NA	NA	NA	NA	NA	NA
<i>Wild</i>	NA	NA	NA	NA	NA	NA
Mixed						
<i>Non-characterized</i>	NA	NA	NA	NA	NA	NA
<i>Vaccine</i>	NA	NA	NA	NA	NA	NA
<i>Wild</i>	NA	NA	NA	NA	NA	NA
Other	NA	NA	NA	NA	NA	NA
Total	NA	NA	NA	NA	NA	NA

Source: country reports/PESS:02/15/2001

2000 provisional data

NA: Not applicable no cases reported

..... Not available data

AFP SURVEILLANCE

Country:

Saint Vincent & Grenadines

Population: 113,000
 Population <1 year old 1999: 2,065
 Population <15 year old/100,000 2000: 0.27
 Year last wild poliovirus isolation: 1977

AFP INDICATORS

Criteria	Year					
	1995	1996	1997	1998	1999	2000
#of reported cases	0	0	1	0	0	0
Rate per 100,000 population <15 years old	0.00	0.00	2.27	0.00	0.00	0.00
% of sites reporting on time	.....	.....	.....	.....	.....	.....
% cases investigated <48 hours	NA	NA	100	NA	NA	NA
% of cases with adequate stool specimen	NA	NA	100	NA	NA	NA

OPV 3 Coverage

	Year					
	1995	1996	1997	1998	1999	2000
OPV3 National Coverage <1 year old	97	100	100	100	100	100
# of National Immunization Campaigns	0	0	0	0	0	0
% of municipalities coverage < 80%*	0	0	0	0	0	0

* 1998 <90% *1999-2000 <95%

Case distribution by classification

	Year					
	1995	1996	1997	1998	1999	2000
Probable	NA	NA	0	NA	NA	NA
Discarded	NA	NA	1	NA	NA	NA
Confirmed	NA	NA	0	NA	NA	NA
Compatible	NA	NA	0	NA	NA	NA

Percentage of cases with specimens

	Year					
	1995	1996	1997	1998	1999	2000
Reported cases	NA	NA	1	NA	NA	NA
Cases with sample	NA	NA	1	NA	NA	NA
Proportion of cases with specimens (%)	NA	NA	100	NA	NA	NA

Status of stool specimens

	Year					
	1995	1996	1997	1998	1999	2000
Positive for any virus	NA	NA	0	NA	NA	NA
Negative for any virus	NA	NA	1	NA	NA	NA
Lost	NA	NA	0	NA	NA	NA
Bad	NA	NA	0	NA	NA	NA
Contaminated	NA	NA	0	NA	NA	NA
Pending	NA	NA	0	NA	NA	NA

<i>Not processed</i>	NA	NA	0	NA	NA	NA
Total without result	NA	NA	0	NA	NA	NA
Total # of specimens	NA	NA	1	NA	NA	NA
% of enterovirus isolation	NA	NA	0	NA	NA	NA

Type of virus isolated

	Year					
	1995	1996	1997	1998	1999	2000
Poliovirus 1						
<i>Non-characterized</i>	NA	NA	0	NA	NA	NA
<i>Vaccine</i>	NA	NA	0	NA	NA	NA
<i>Wild</i>	NA	NA	0	NA	NA	NA
Poliovirus 2						
<i>Non-characterized</i>	NA	NA	0	NA	NA	NA
<i>Vaccine</i>	NA	NA	0	NA	NA	NA
<i>Wild</i>	NA	NA	0	NA	NA	NA
Poliovirus 3						
<i>Non-characterized</i>	NA	NA	0	NA	NA	NA
<i>Vaccine</i>	NA	NA	0	NA	NA	NA
<i>Wild</i>	NA	NA	0	NA	NA	NA
Mixed						
<i>Non-characterized</i>	NA	NA	0	NA	NA	NA
<i>Vaccine</i>	NA	NA	0	NA	NA	NA
<i>Wild</i>	NA	NA	0	NA	NA	NA
Other	NA	NA	0	NA	NA	NA
Total	NA	NA	0	NA	NA	NA

Source: country reports/PESS:02/15/2001

2000 provisional data

NA: Not applicable no cases reported

..... Not available data

AFP SURVEILLANCE

Country:	Suriname
Population:	417,000
Population <1 year old 1999:	9,000
Population <15 year old/100,000 2000:	1.20
Year last wild poliovirus isolation:	1980

AFP INDICATORS

Criteria	Year					
	1995	1996	1997	1998	1999	2000
#of reported cases	0	3	1	1	3	2
Rate per 100,000 population <15 years old	0.00	1.79	0.60	0.60	2.50	1.67
% of sites reporting on time	.....	.....	.....	.....	.....	.....
% cases investigated <48 hours	NA	100	100	100	100	50
% of cases with adequate stool specimen	NA	100	100	0	100	100

OPV 3 Coverage

	Year					
	1995	1996	1997	1998	1999	2000
OPV3 National Coverage <1 year old	81	79	81	90	84 ...	
# of National Immunization Campaigns	0	0	0	0	0	0
% of municipalities coverage < 80%*	0	0	0	0	0	0

* 1998 <90% *1999-2000 <95%

Case distribution by classification

	Year					
	1995	1996	1997	1998	1999	2000
Probable	NA	0	0	0	0	2
Discarded	NA	3	1	1	3	0
Confirmed	NA	0	0	0	0	0
Compatible	NA	0	0	0	0	0

Percentage of cases with specimens

	Year					
	1995	1996	1997	1998	1999	2000
Reported cases	NA	3	1	1	3	2
Cases with sample	NA	3	1	0	3	2
Proportion of cases with specimens (%)	NA	100	100	0	100	100

Status of stool specimens

	Year					
	1995	1996	1997	1998	1999	2000
Positive for any virus	NA	0	0	0	0	0
Negative for any virus	NA	3	1	0	3	2
Lost	NA	0	0	0	0	0
Bad	NA	0	0	0	0	0
Contaminated	NA	0	0	0	0	0
Pending	NA	0	0	0	0	0

<i>Not processed</i>	NA	1	0	0	0	0
Total without result	NA	0	0	0	0	0
Total # of specimens	NA	3	1	0	3	2
% of enterovirus isolation	NA	0	0	0	0	0

Type of virus isolated

	Year					
	1995	1996	1997	1998	1999	2000
Poliovirus 1						
<i>Non-characterized</i>	NA	0	0	0	0	0
<i>Vaccine</i>	NA	0	0	0	0	0
<i>Wild</i>	NA	0	0	0	0	0
Poliovirus 2						
<i>Non-characterized</i>	NA	0	0	0	0	0
<i>Vaccine</i>	NA	0	0	0	0	0
<i>Wild</i>	NA	0	0	0	0	0
Poliovirus 3						
<i>Non-characterized</i>	NA	0	0	0	0	0
<i>Vaccine</i>	NA	0	0	0	0	0
<i>Wild</i>	NA	0	0	0	0	0
Mixed						
<i>Non-characterized</i>	NA	0	0	0	0	0
<i>Vaccine</i>	NA	0	0	0	0	0
<i>Wild</i>	NA	0	0	0	0	0
Other	NA	0	0	0	0	0
Total	NA	0	0	0	0	0

Source: country reports/PESS:02/15/2001

2000 provisional data

NA: Not applicable no cases reported

..... Not available data

AFP SURVEILLANCE

Country: **Trinidad & Tobago**

Population:	1,295,000
Population <1 year old 1999:	18,117
Population <15 year old/100,000 2000:	2.49
Year last wild poliovirus isolation:	1972

AFP INDICATORS

Criteria	Year					
	1995	1996	1997	1998	1999	2000
#of reported cases	10	8	5	9	9	6
Rate per 100,000 population <15 years old	2.74	2.27	0.98	1.77	3.61	2.41
% of sites reporting on time	.....	.....	.....	.....	.....	.....
% cases investigated <48 hours	90	88	0	0	100	100
% of cases with adequate stool specimen	100	100	100	100	100	100

OPV 3 Coverage

	Year					
	1995	1996	1997	1998	1999	2000
OPV3 National Coverage <1 year old	90	90	91	91	90	...
# of National Immunization Campaigns	0	0	0	0	0	0
% of municipalities coverage < 80%*	22	0	0	0	0	0

* 1998 <90% *1999-2000 <95%

Case distribution by classification

	Year					
	1995	1996	1997	1998	1999	2000
Probable	0	0	0	0	0	6
Discarded	10	8	5	9	9	0
Confirmed	0	0	0	0	0	0
Compatible	0	0	0	0	0	0

Percentage of cases with specimens

	Year					
	1995	1996	1997	1998	1999	2000
Reported cases	10	8	5	9	9	6
Cases with sample	10	8	5	9	9	6
Proportion of cases with specimens (%)	100	100	100	100	100	100

Status of stool specimens

	Year					
	1995	1996	1997	1998	1999	2000
Positive for any virus	0	1	0	0	0	0
Negative for any virus	7	7	5	8	9	6
Lost	0	0	0	0	0	0
Bad	0	0	0	0	0	0
Contaminated	0	0	0	0	0	0
Pending	0	0	0	0	0	0

<i>Not processed</i>	0	0	0	0	0	0
Total without result	0	0	0	0	0	0
Total # of specimens	7	8	5	8	9	6
% of enterovirus isolation	0	13	0	0	0	0

Type of virus isolated

	Year					
	1995	1996	1997	1998	1999	2000
Poliovirus 1						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	0	0	0	0	0	0
<i>Wild</i>	0	0	0	0	0	0
Poliovirus 2						
<i>Non-characterized</i>	0	1	0	0	0	0
<i>Vaccine</i>	0	0	0	0	0	0
<i>Wild</i>	0	0	0	0	0	0
Poliovirus 3						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	0	0	0	0	0	0
<i>Wild</i>	0	0	0	0	0	0
Mixed						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	0	0	0	0	0	0
<i>Wild</i>	0	0	0	0	0	0
Other	0	0	0	0	0	0
Total	0	1	0	0	0	0

Source: country reports/PESS:02/15/2001

2000 provisional data

..... Not available data

AFP SURVEILLANCE

Country: Turks & Caicos Islands

Population:	16,000
Population <1 year old 1999:	316
Population <15 year old/100,000 2000:	0.05
Year last wild poliovirus isolation:	1972

AFP INDICATORS

Criteria	Year					
	1995	1996	1997	1998	1999	2000
#of reported cases	0	0	0	0	0	0
Rate per 100,000 population <15 years old	0.00	0.00	0.00	0.00	0.00	0.00
% of sites reporting on time	.....	.....	.....	.....	.....	.....
% cases investigated <48 hours	NA	NA	NA	NA	NA	NA
% of cases with adequate stool specimen	NA	NA	NA	NA	NA	NA

OPV 3 Coverage

	Year					
	1995	1996	1997	1998	1999	2000
OPV3 National Coverage <1 year old	100	100	100	100	89	100
# of National Immunization Campaigns	0	0	0	0	0	0
% of municipalities coverage < 80%*	0	0	0	0	0	0

* 1998 <90% *1999-2000 <95%

Case distribution by classification

	Year					
	1995	1996	1997	1998	1999	2000
Probable	NA	NA	NA	NA	NA	NA
Discarded	NA	NA	NA	NA	NA	NA
Confirmed	NA	NA	NA	NA	NA	NA
Compatible	NA	NA	NA	NA	NA	NA

Percentage of cases with specimens

	Year					
	1995	1996	1997	1998	1999	2000
Reported cases	NA	NA	NA	NA	NA	NA
Cases with sample	NA	NA	NA	NA	NA	NA
Proportion of cases with specimens (%)	NA	NA	NA	NA	NA	NA

Status of stool specimens

	Year					
	1995	1996	1997	1998	1999	2000
Positive for any virus	NA	NA	NA	NA	NA	NA
Negative for any virus	NA	NA	NA	NA	NA	NA
Lost	NA	NA	NA	NA	NA	NA
Bad	NA	NA	NA	NA	NA	NA
Contaminated	NA	NA	NA	NA	NA	NA
Pending	NA	NA	NA	NA	NA	NA

<i>Not processed</i>	NA	NA	NA	NA	NA	NA
Total without result	NA	NA	NA	NA	NA	NA
Total # of specimens	NA	NA	NA	NA	NA	NA
% of enterovirus isolation	NA	NA	NA	NA	NA	NA

Type of virus isolated

	Year					
	1995	1996	1997	1998	1999	2000
Poliovirus 1						
<i>Non-characterized</i>	NA	NA	NA	NA	NA	NA
<i>Vaccine</i>	NA	NA	NA	NA	NA	NA
<i>Wild</i>	NA	NA	NA	NA	NA	NA
Poliovirus 2						
<i>Non-characterized</i>	NA	NA	NA	NA	NA	NA
<i>Vaccine</i>	NA	NA	NA	NA	NA	NA
<i>Wild</i>	NA	NA	NA	NA	NA	NA
Poliovirus 3						
<i>Non-characterized</i>	NA	NA	NA	NA	NA	NA
<i>Vaccine</i>	NA	NA	NA	NA	NA	NA
<i>Wild</i>	NA	NA	NA	NA	NA	NA
Mixed						
<i>Non-characterized</i>	NA	NA	NA	NA	NA	NA
<i>Vaccine</i>	NA	NA	NA	NA	NA	NA
<i>Wild</i>	NA	NA	NA	NA	NA	NA
Other	NA	NA	NA	NA	NA	NA
Total	NA	NA	NA	NA	NA	NA

Source: country reports/PESS:02/15/2001

2000 provisional data

NA: Not applicable no cases reported

..... Not available data

AFP SURVEILLANCE

Country: British Virgin Islands

Population:	21,000
Population <1 year old 1999:	318
Population <15 year old/100,000 2000:	0.04
Year last wild poliovirus isolation:	N/A

AFP INDICATORS

	Year					
	1995	1996	1997	1998	1999	2000
Criteria						
#of reported cases	0	0	0	0	0	0
Rate per 100,000 population <15 years old	0.00	0.00	0.00	0.00	0.00	0.00
% of sites reporting on time	.....	.....	.....	.....	.....	.....
% cases investigated <48 hours	NA	NA	NA	NA	NA	NA
% of cases with adequate stool specimen	NA	NA	NA	NA	NA	NA

OPV 3 Coverage

	Year					
	1995	1996	1997	1998	1999	2000
OPV3 National Coverage <1 year old	99	89	96	99	92	100
# of National Immunization Campaigns	0	0	0	0	0	0
% of municipalities coverage < 80%*	0	0	0	0	0	0

* 1998 <90% *1999-2000 <95%

Case distribution by classification

	Year					
	1995	1996	1997	1998	1999	2000
Probable	NA	NA	NA	NA	NA	NA
Discarded	NA	NA	NA	NA	NA	NA
Confirmed	NA	NA	NA	NA	NA	NA
Compatible	NA	NA	NA	NA	NA	NA

Percentage of cases with specimens

	Year					
	1995	1996	1997	1998	1999	2000
Reported cases	NA	NA	NA	NA	NA	NA
Cases with sample	NA	NA	NA	NA	NA	NA
Proportion of cases with specimens (%)	NA	NA	NA	NA	NA	NA

Status of stool specimens

	Year					
	1995	1996	1997	1998	1999	2000
Positive for any virus	NA	NA	NA	NA	NA	NA
Negative for any virus	NA	NA	NA	NA	NA	NA
Lost	NA	NA	NA	NA	NA	NA
Bad	NA	NA	NA	NA	NA	NA
Contaminated	NA	NA	NA	NA	NA	NA
Pending	NA	NA	NA	NA	NA	NA

<i>Not processed</i>	NA	NA	NA	NA	NA	NA
Total without result	NA	NA	NA	NA	NA	NA
Total # of specimens	NA	NA	NA	NA	NA	NA
% of enterovirus isolation	NA	NA	NA	NA	NA	NA

Type of virus isolated

	Year					
	1995	1996	1997	1998	1999	2000
Poliovirus 1						
<i>Non-characterized</i>	NA	NA	NA	NA	NA	NA
<i>Vaccine</i>	NA	NA	NA	NA	NA	NA
<i>Wild</i>	NA	NA	NA	NA	NA	NA
Poliovirus 2						
<i>Non-characterized</i>	NA	NA	NA	NA	NA	NA
<i>Vaccine</i>	NA	NA	NA	NA	NA	NA
<i>Wild</i>	NA	NA	NA	NA	NA	NA
Poliovirus 3						
<i>Non-characterized</i>	NA	NA	NA	NA	NA	NA
<i>Vaccine</i>	NA	NA	NA	NA	NA	NA
<i>Wild</i>	NA	NA	NA	NA	NA	NA
Mixed						
<i>Non-characterized</i>	NA	NA	NA	NA	NA	NA
<i>Vaccine</i>	NA	NA	NA	NA	NA	NA
<i>Wild</i>	NA	NA	NA	NA	NA	NA
Other	NA	NA	NA	NA	NA	NA
Total	NA	NA	NA	NA	NA	NA

Source: country reports/PESS:02/15/2001

2000 provisional data

NA: Not applicable no cases reported

..... Not available data

AFP SURVEILLANCE

Country: **Bermudas**

Population:	64,000
Population <1 year old 1999:	825
Population <15 year old/100,000 2000:	0.58
Year last wild poliovirus isolation:	N/A

AFP INDICATORS

	Year					
	1995	1996	1997	1998	1999	2000
Criteria						
#of reported cases	0	0	0	0	0	0
Rate per 100,000 population <15 years old	0.00	0.00	0.00	0.00	0.00	0.00
% of sites reporting on time	.....	.....	.....	.....	.....	.....
% cases investigated <48 hours	NA	NA	NA	NA	NA	NA
% of cases with adequate stool specimen	NA	NA	NA	NA	NA	NA

OPV 3 Coverage

	Year					
	1995	1996	1997	1998	1999	2000
OPV3 National Coverage <1 year old	92	89	78	63	58	...
# of National Immunization Campaigns	0	0	0	0	0	0
% of municipalities coverage < 80%*	0	0	0	0	0	0

* 1998 <90% *1999-2000 <95%

Case distribution by classification

	Year					
	1995	1996	1997	1998	1999	2000
Probable	0	0	0	0	0	0
Discarded	0	0	0	0	0	0
Confirmed	0	0	0	0	0	0
Compatible	0	0	0	0	0	0

Percentage of cases with specimens

	Year					
	1995	1996	1997	1998	1999	2000
Reported cases	0	0	0	0	0	0
Cases with sample	NA	NA	NA	NA	NA	NA
Proportion of cases with specimens (%)	NA	NA	NA	NA	NA	NA

Status of stool specimens

	Year					
	1995	1996	1997	1998	1999	2000
Positive for any virus	NA	NA	NA	NA	NA	NA
Negative for any virus	NA	NA	NA	NA	NA	NA
Lost	NA	NA	NA	NA	NA	NA
Bad	NA	NA	NA	NA	NA	NA
Contaminated	NA	NA	NA	NA	NA	NA
Pending	NA	NA	NA	NA	NA	NA

<i>Not processed</i>	NA	NA	NA	NA	NA	NA
Total without result	NA	NA	NA	NA	NA	NA
Total # of specimens	NA	NA	NA	NA	NA	NA
% of enterovirus isolation	NA	NA	NA	NA	NA	NA

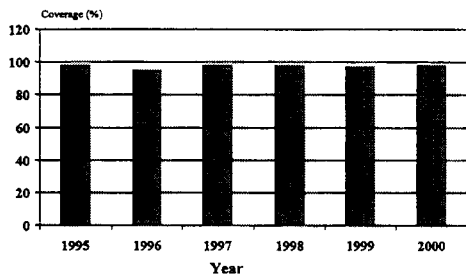
Type of virus isolated

	Year					
	1995	1996	1997	1998	1999	2000
Poliovirus 1						
<i>Non-characterized</i>	NA	NA	NA	NA	NA	NA
<i>Vaccine</i>	NA	NA	NA	NA	NA	NA
<i>Wild</i>	NA	NA	NA	NA	NA	NA
Poliovirus 2						
<i>Non-characterized</i>	NA	NA	NA	NA	NA	NA
<i>Vaccine</i>	NA	NA	NA	NA	NA	NA
<i>Wild</i>	NA	NA	NA	NA	NA	NA
Poliovirus 3						
<i>Non-characterized</i>	NA	NA	NA	NA	NA	NA
<i>Vaccine</i>	NA	NA	NA	NA	NA	NA
<i>Wild</i>	NA	NA	NA	NA	NA	NA
Mixed						
<i>Non-characterized</i>	NA	NA	NA	NA	NA	NA
<i>Vaccine</i>	NA	NA	NA	NA	NA	NA
<i>Wild</i>	NA	NA	NA	NA	NA	NA
Other	NA	NA	NA	NA	NA	NA
Total	NA	NA	NA	NA	NA	NA

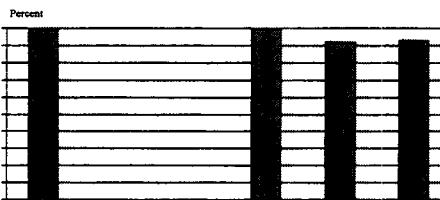
Source: country reports/PESS:02/15/2001

2000 provisional data
 Not available data

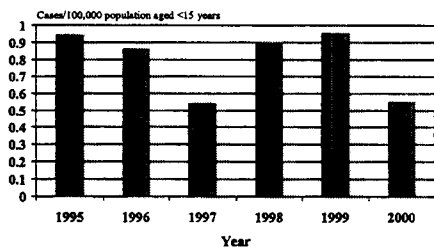
OPV3 coverage in CAREC, 1995-2000



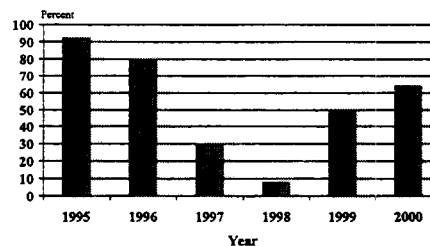
Percent health units reporting weekly on time CAREC, 1995-2000



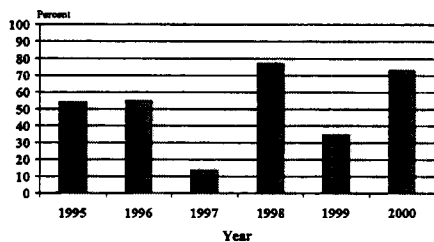
Annual AFP reporting rate CAREC, 1995-2000



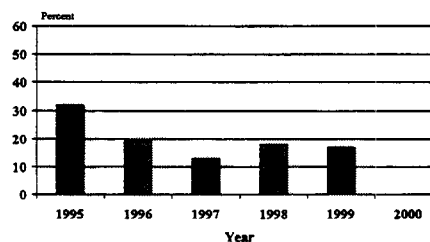
AFP cases investigated within 48 hours of report CAREC, 1995-2000



AFP cases with adequate stool specimens CAREC, 1995-2000



Percent of enterovirus isolation CAREC, 1995-2000



AFP SURVEILLANCE

Country:	Chile
Population:	15,211,000
Population <1 year old 1999:	266,678
Population <15 year old/100,000 2000:	42.73
Year last wild poliovirus isolation:	1975

AFP INDICATORS

Criteria	Year					
	1995	1996	1997	1998	1999	2000
#of reported cases	92	76	85	71	89	93
Rate per 100,000 population <15 years old	1.57	1.30	2.00	1.66	2.08	2.18
% of sites reporting on time	97	94	99	98	96	92
% cases investigated <48 hours	52	62	62	62	64	89
% of cases with adequate stool specimen	85	78	84	82	89	85

OPV 3 Coverage

	Year					
	1995	1996	1997	1998	1999	2000
OPV3 National Coverage <1 year old	94	91	91	92	95	94
# of National Immunization Campaigns	0	0	0	0	0	0
% of municipalities coverage < 80%*	60	57	55	79	49	.....

* 1998 <90% *1999-2000 <95%

Case distribution by classification

	Year					
	1995	1996	1997	1998	1999	2000
Probable	0	0	0	0	0	0
Discarded	92	76	85	71	89	93
Confirmed	0	0	0	0	0	0
Compatible	0	0	0	0	0	0

Percentage of cases with specimens

	Year					
	1995	1996	1997	1998	1999	2000
Reported cases	92	76	85	71	89	93
Cases with sample	86	76	84	71	84	90
Proportion of cases with specimens (%)	93	100	99	100	94	97

Status of stool specimens

	Year					
	1995	1996	1997	1998	1999	2000
Positive for any virus	19	4	6	13	8	9
Negative for any virus	152	133	71	54	83	89
Lost	0	0	0	0	0	0
Bad	0	0	0	0	0	0
Contaminated	0	0	0	0	0	0
Pending	0	0	0	0	0	2

<i>Not processed</i>	15	8	26	2	1	0
Total without result	15	8	26	2	1	2
Total # of specimens	186	145	103	69	92	100
% of enterovirus isolation	11	3	8	19	9	9

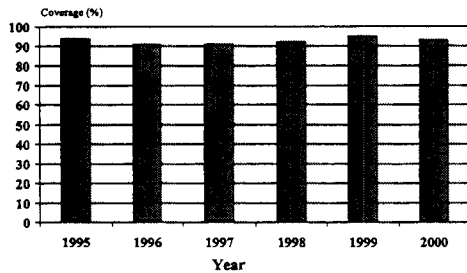
Type of virus isolated

	Year					
	1995	1996	1997	1998	1999	2000
Poliovirus 1						
<i>Non-characterized</i>	0	1	0	0	0	0
<i>Vaccine</i>	0	0	1	1	0	0
<i>Wild</i>	0	0	0	0	0	0
Poliovirus 2						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	0	0	0	0	1	0
<i>Wild</i>	0	0	0	0	0	0
Poliovirus 3						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	0	0	1	1	0	1
<i>Wild</i>	0	0	0	0	0	0
Mixed						
<i>Non-characterized</i>	0	0	1	0	0	0
<i>Vaccine</i>	0	0	0	0	0	0
<i>Wild</i>	0	0	0	0	0	0
Other	19	3	3	11	7	8
Total	19	4	6	13	8	9

Source: country reports/PESS:02/15/2001

2000 provisional data

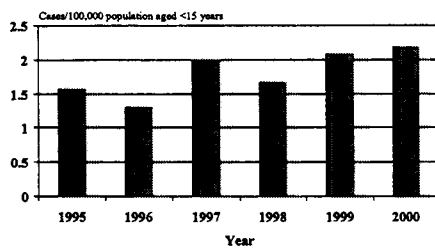
OPV3 coverage in Chile, 1995-2000



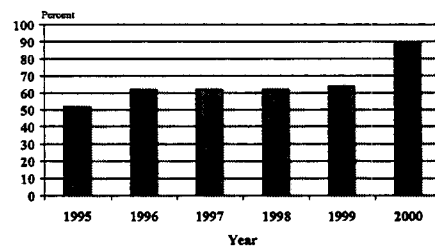
Percent health units reporting weekly on time Chile, 1995-2000



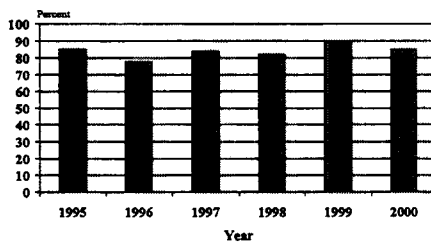
Annual AFP reporting rate Chile, 1995-2000



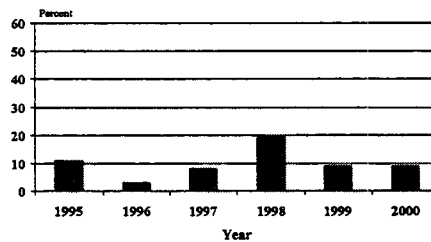
AFP cases investigated within 48 hours of report Chile, 1995-2000



AFP cases with adequate stool specimens Chile, 1995-2000



Percent of enterovirus isolation Chile, 1995-2000



AFP SURVEILLANCE

Country:	Colombia
Population:	42,321,000
Population <1 year old 2000:	974,639
Population <15 year old/100,000 2000:	42.60
Year last wild poliovirus isolation:	1991

AFP INDICATORS

Criteria	Year					
	1995	1996	1997	1998	1999	2000
#of reported cases	225	242	192	184	188	164
Rate per 100,000 population <15 years old	1.83	1.93	1.48	1.30	1.38	1.20
% of sites reporting on time	88	87	83	85	83	86
% cases investigated <48 hours	84	86	89	85	84	88
% of cases with adequate stool specimen	84	83	85	84	82	83

OPV 3 Coverage

	Year					
	1995	1996	1997	1998	1999	2000
OPV3 National Coverage <1 year old	95	95	76	72	75	78
# of National Immunization Campaigns	1	1	1	0	0	0
% of municipalities coverage < 80%*	32	18	63	80	77	85

* 1998 <90% *1999-2000 <95%

Case distribution by classification

	Year					
	1995	1996	1997	1998	1999	2000
Probable	0	0	0	0	0	18
Discarded	225	242	187	174	186	146
Confirmed	0	0	0	0	0	0
Compatible	0	0	5	10	2	0

Percentage of cases with specimens

	Year					
	1995	1996	1997	1998	1999	2000
Reported cases	225	242	192	184	188	164
Cases with sample	223	236	191	179	179	163
Proportion of cases with specimens (%)	99	98	99	97	95	99

Status of stool specimens

	Year					
	1995	1996	1997	1998	1999	2000
Positive for any virus	80	77	20	22	21	20
Negative for any virus	480	305	201	168	165	147
<i>Lost</i>	6	5	5	2	0	2
<i>Bad</i>	1	1	2	0	0	0
<i>Contaminated</i>	0	0	0	0	1	0
<i>Pending</i>	1	25	7	1	1	0

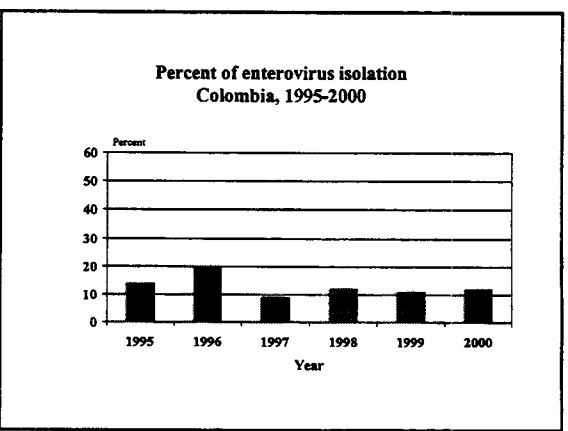
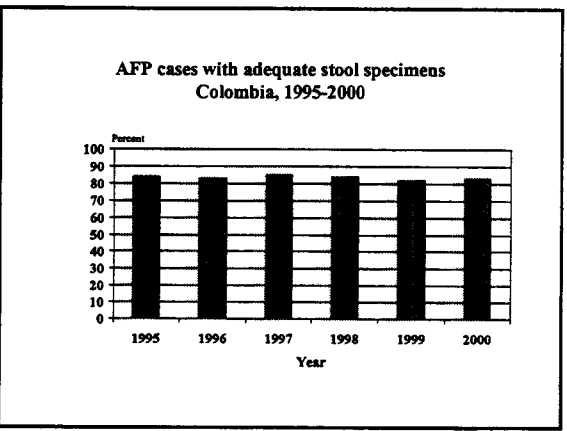
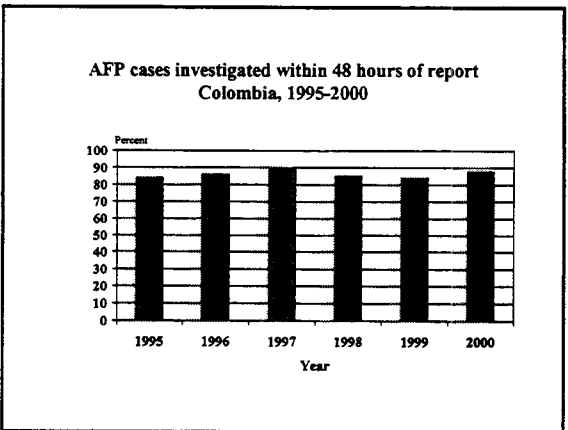
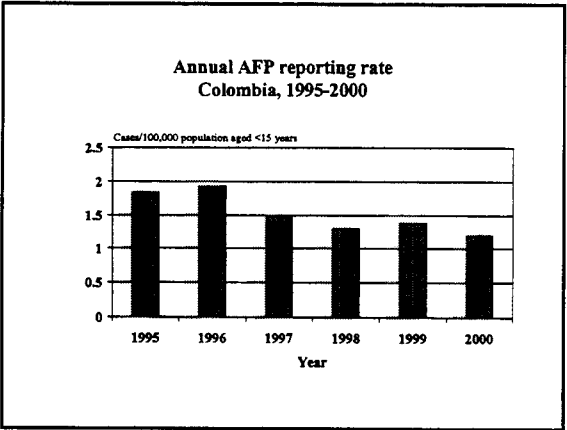
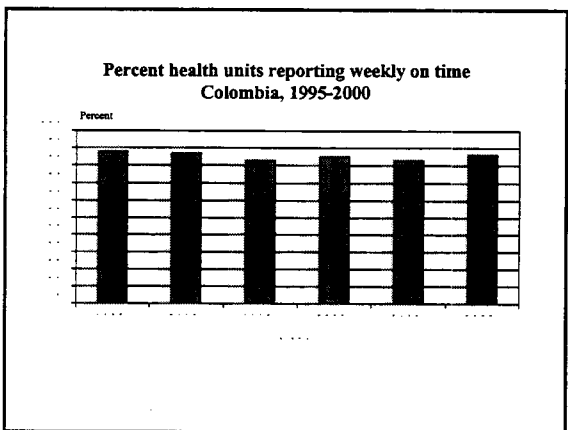
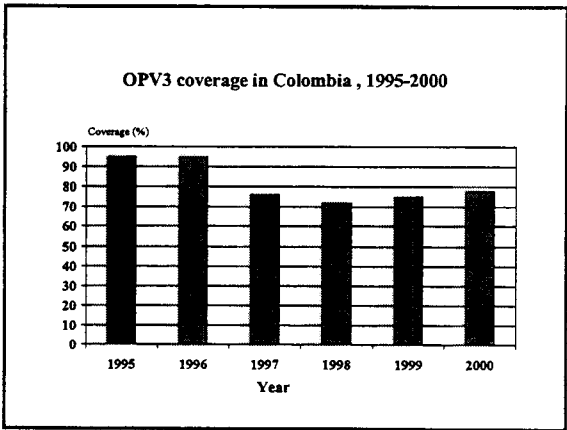
<i>Not processed</i>	1	2	5	0	0	8
Total without result	9	33	19	3	2	10
Total # of specimens	569	415	240	193	188	177
% of enterovirus isolation	14	20	9	12	11	12

Type of virus isolated

	Year					
	1995	1996	1997	1998	1999	2000
Poliovirus 1						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	0	5	2	2	0	1
<i>Wild</i>	0	0	0	0	0	0
Poliovirus 2						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	7	3	0	1	2	0
<i>Wild</i>	0	0	0	0	0	0
Poliovirus 3						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	1	3	0	0	0	2
<i>Wild</i>	0	0	0	0	0	0
Mixed						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	2	0	0	0	0	0
<i>Wild</i>	0	0	0	0	0	0
Other	70	66	18	19	19	17
Total	80	77	20	22	21	20

2000 provisional data

Source: country reports/PSS:02/15/2001



AFP SURVEILLANCE

Country:	Costa Rica
Population:	3,943,204
Population <1 year old 2000:	78,526
Population <15 year old/100,000 2000:	12.45
Year last wild poliovirus isolation:	1973

AFP INDICATORS

Criteria	Year					
	1995	1996	1997	1998	1999	2000
#of reported cases	18	13	11	21	23	21
Rate per 100,000 population <15 years old	1.45	1.04	0.88	1.69	1.85	1.69
% of sites reporting on time	93	81	97	97	99	96
% cases investigated <48 hours	80	92	91	86	92	95
% of cases with adequate stool specimen	73	70	86	69	95	94

OPV 3 Coverage

	Year					
	1995	1996	1997	1998	1999	2000
OPV3 National Coverage <1 year old	84	85	93	85	86	79
# of National Immunization Campaigns	0	0	0	0	0	0
% of municipalities coverage < 80%*	27	31	17	32	21	33

* 1998 <90% *1999-2000 <95%

Case distribution by classification

	Year					
	1995	1996	1997	1998	1999	2000
Probable	0	0	0	1	5	8
Discarded	18	13	11	20	18	13
Confirmed	0	0	0	0	0	0
Compatible	0	0	0	0	0	0

Percentage of cases with specimens

	Year					
	1995	1996	1997	1998	1999	2000
Reported cases	18	13	11	21	23	21
Cases with sample	11	10	7	16	19	19
Proportion of cases with specimens (%)	61	77	64	76	83	90

Status of stool specimens

	Year					
	1995	1996	1997	1998	1999	2000
Positive for any virus	1	0	0	2	1	0
Negative for any virus	7	7	6	9	17	17
Lost	0	0	0	0	0	0
Bad	3	3	1	5	1	1
Contaminated	0	0	0	0	0	0
Pending	0	0	0	0	0	1

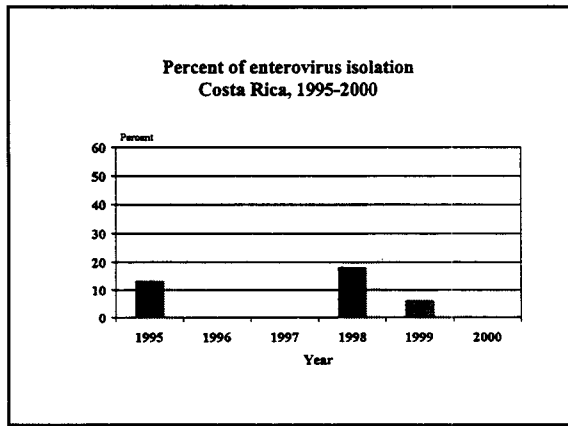
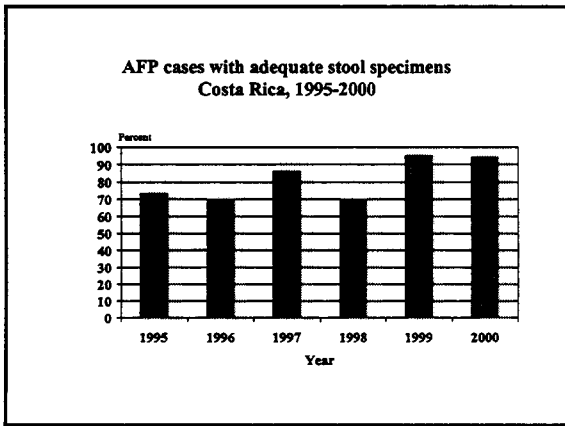
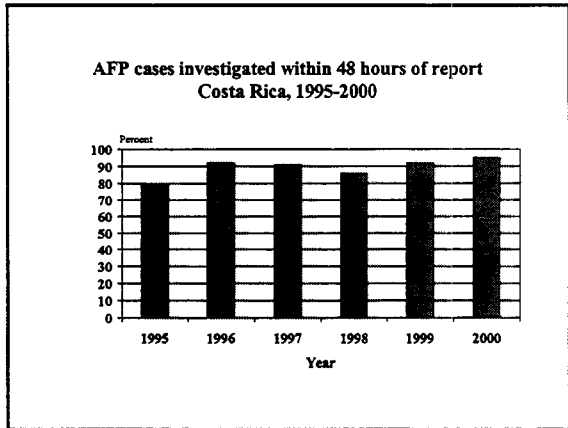
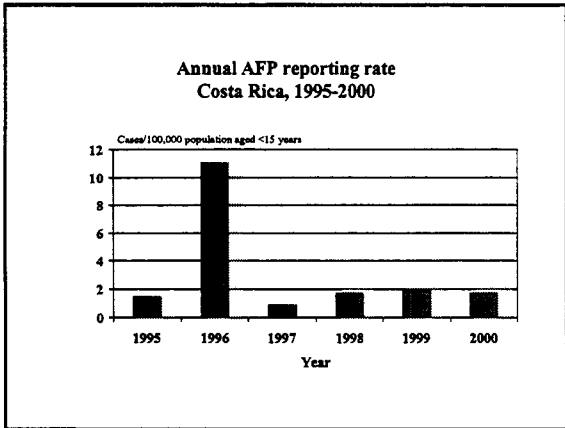
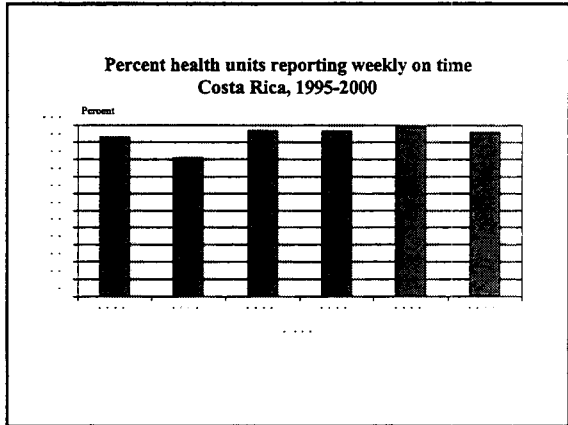
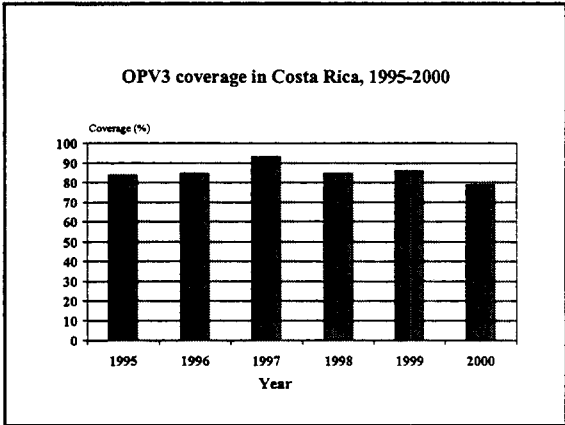
<i>Not processed</i>	0	0	0	0	0	0
Total without result	3	3	1	5	1	2
Total # of specimens	11	10	7	16	19	19
% of enterovirus isolation	13	0	0	18	6	0

Type of virus isolated

	Year					
	1995	1996	1997	1998	1999	2000
Poliovirus 1						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	0	0	0	0	0	0
<i>Wild</i>	0	0	0	0	0	0
Poliovirus 2						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	0	0	0	0	0	0
<i>Wild</i>	0	0	0	0	0	0
Poliovirus 3						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	0	0	0	0	0	0
<i>Wild</i>	0	0	0	0	0	0
Mixed						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	0	0	0	0	0	0
<i>Wild</i>	0	0	0	0	0	0
Other	1	0	0	2	1	0
Total	1	0	0	2	1	0

Source: country reports/PESS:02/15/2001

2000 provisional data



AFP SURVEILLANCE

Country:	Cuba
Population:	11,201,000
Population <1 year old 2,000:	150,590
Population <15 year old/100,000 2000:	24.64
Year last wild poliovirus isolation:	1962

AFP INDICATORS

Criteria	Year					
	1995	1996	1997	1998	1999	2000
#of reported cases	30	23	31	27	29	27
Rate per 100,000 population <15 years old	1.23	0.95	1.28	1.10	1.18	1.10
% of sites reporting on time	94	95	98	98	83	95
% cases investigated <48 hours	97	96	97	96	97	100
% of cases with adequate stool specimen	90	100	97	100	90	59

OPV 3 Coverage

	Year					
	1995	1996	1997	1998	1999	2000
OPV3 National Coverage <1 year old	95	95	97	97	96	98
# of National Immunization Campaigns	2	2	2	2	2	2
% of municipalities coverage < 80%*	0	0	0	0	0	0

* 1998 <90% *1999-2000 <95%

Case distribution by classification

	Year					
	1995	1996	1997	1998	1999	2000
Probable	0	0	0	0	0	14
Discarded	30	23	31	27	29	13
Confirmed	0	0	0	0	0	0
Compatible	0	0	0	0	0	0

Percentage of cases with specimens

	Year					
	1995	1996	1997	1998	1999	2000
Reported cases	30	23	31	27	29	27
Cases with sample	29	23	30	27	28	17
Proportion of cases with specimens (%)	97	100	97	100	97	63

Status of stool specimens

	Year					
	1995	1996	1997	1998	1999	2000
Positive for any virus	4	14	10	1	0	1
Negative for any virus	50	25	36	24	6	11
Lost	0	0	0	0	0	0
Bad	0	0	0	0	0	0
Contaminated	0	0	0	0	0	0
Pending	0	0	0	0	1	0

<i>Not processed</i>	0	0	0	2	21	5
Total without result	0	0	0	2	22	5
Total # of specimens	54	39	46	27	28	17
% of enterovirus isolation	7	36	22	4	0	8

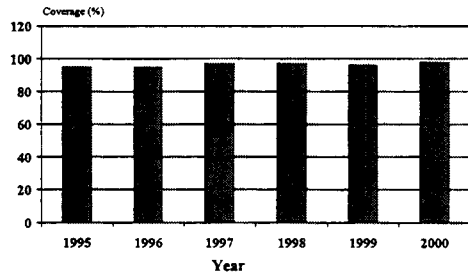
Type of virus isolated

	Year					
	1995	1996	1997	1998	1999	2000
Poliovirus 1						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	0	0	0	0	0	0
<i>Wild</i>	0	0	0	0	0	0
Poliovirus 2						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	0	0	1	0	0	1
<i>Wild</i>	0	0	0	0	0	0
Poliovirus 3						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	0	0	0	0	0	0
<i>Wild</i>	0	0	0	0	0	0
Mixed						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	0	0	0	0	0	0
<i>Wild</i>	0	0	0	0	0	0
Other	4	14	9	1	0	0
Total	4	14	10	1	0	1

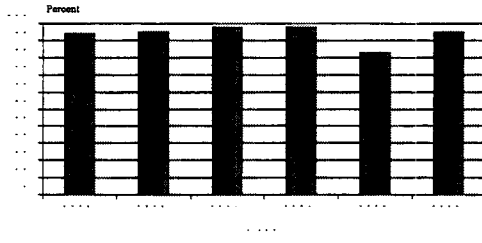
Source: country reports/PESS:02/15/2001

2000 provisional data

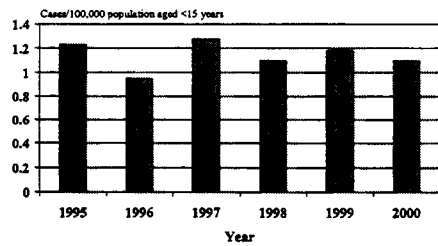
OPV3 coverage in Cuba, 1995-2000



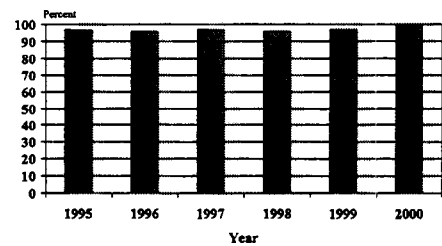
**Percent health units reporting weekly on time
Cuba, 1995-2000**



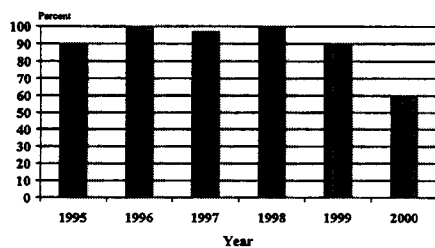
**Annual AFP reporting rate
Cuba, 1995-2000**



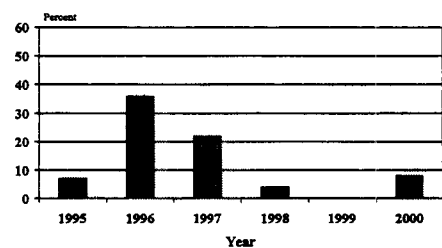
**AFP cases investigated within 48 hours of report
Cuba, 1995-2000**



**AFP cases with adequate stool specimens
Cuba, 1995-2000**



**Percent of enterovirus isolation
Cuba, 1995-2000**



AFP SURVEILLANCE

Country:	Dominican Republic
Population:	8,495,000
Population <1 year old 1999:	217,348
Population <15 year old/100,000 2000:	31.83
Year last wild poliovirus isolation:	1985

AFP INDICATORS

Criteria	Year					
	1995	1996	1997	1998	1999	2000
#of reported cases	29	18	22	22	10	62
Rate per 100,000 population <15 years old	1.32	0.61	1.08	0.69	0.31	1.95
% of sites reporting on time	98	100	88	82	50	90
% cases investigated <48 hours	93	89	77	91	90	94
% of cases with adequate stool specimen	93	94	82	77	30	39

OPV 3 Coverage

	Year					
	1995	1996	1997	1998	1999	2000
OPV3 National Coverage <1 year old	80	81	81	73	84	81
# of National Immunization Campaigns	0	0	0	0	0	1
% of municipalities coverage < 80%*	14	80	80	75	76	77

* 1998 <90% *1999-2000 <95%

Case distribution by classification

	Year					
	1995	1996	1997	1998	1999	2000
Probable	0	0	0	0	0	14
Discarded	29	18	22	22	10	37
Confirmed	0	0	0	0	0	11
Compatible	0	0	0	0	0	0

Percentage of cases with specimens

	Year					
	1995	1996	1997	1998	1999	2000
Reported cases	29	18	22	22	10	62
Cases with sample	29	18	21	18	8	47
Proportion of cases with specimens (%)	100	100	95	82	80	76

Status of stool specimens

	Year					
	1995	1996	1997	1998	1999	2000
Positive for any virus	4	0	2	3	0	16
Negative for any virus	52	16	20	14	5	28
<i>Lost</i>	0	0	0	0	0	0
<i>Bad</i>	0	0	0	0	0	0
<i>Contaminated</i>	0	0	0	0	0	0

<i>Pending</i>	0	0	0	0	0	3
<i>Not processed</i>	2	3	0	2	3	0
Total without result	2	3	0	2	3	3
Total # of specimens	58	19	22	19	8	47
% of enterovirus isolation	7	0	9	18	0	36

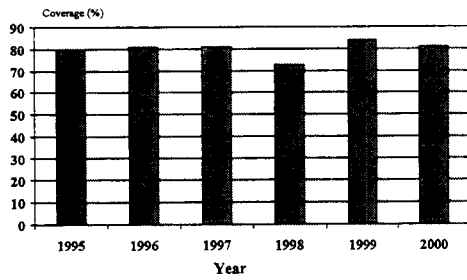
Type of virus isolated

	Year					
	1995	1996	1997	1998	1999	2000
Poliovirus 1						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	0	0	0	0	0	7
<i>Wild</i>	0	0	0	0	0	0
Poliovirus 2						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	0	0	0	0	0	2
<i>Wild</i>	0	0	0	0	0	0
Poliovirus 3						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	0	0	0	0	0	1
<i>Wild</i>	0	0	0	0	0	0
Mixed						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	0	0	0	0	0	0
<i>Wild</i>	0	0	0	0	0	0
Other	4	0	2	3	0	6
Total	4	0	2	3	0	16

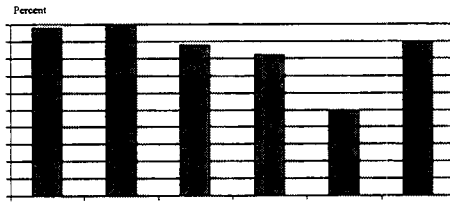
Source: country reports/PESS:02/15/2001

2000 provisional data

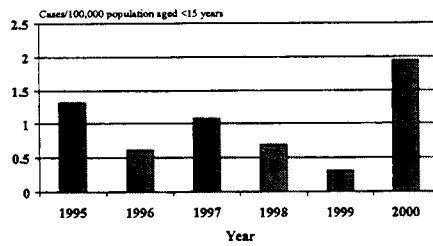
OPV3 coverage in Dominican Republic, 1995-2000



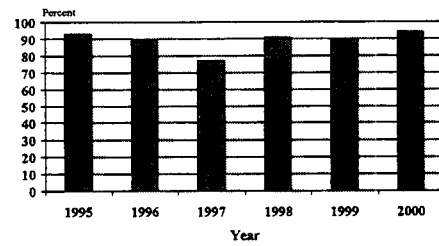
Percent health units reporting weekly on time Dominican Republic, 1995-2000



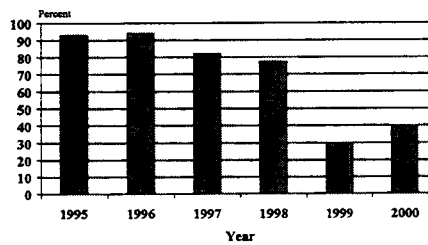
Annual AFP reporting rate Dominican Republic, 1995-2000



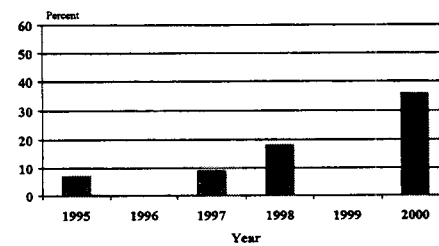
AFP cases investigated within 48 hours of report Dominican Republic, 1995-2000



AFP cases with adequate stool specimens Dominican Republic, 1995-2000



Percent of enterovirus isolation Dominican Republic, 1995-2000



AFP SURVEILLANCE

Country:	Ecuador
Population:	12,646,000
Population <1 year old 2000:	297,612
Population <15 year old/100,000 2000:	42.60
Year last wild poliovirus isolation:	1990

AFP INDICATORS

Criteria	Year					
	1995	1996	1997	1998	1999	2000
#of reported cases	46	47	54	40	49	44
Rate per 100,000 population <15 years old	1.10	1.12	1.28	0.94	1.15	1.03
% of sites reporting on time	83	88	92	85	94	95
% cases investigated <48 hours	96	96	93	93	96	89
% of cases with adequate stool specimen	93	94	83	83	88	96

OPV 3 Coverage

	Year					
	1995	1996	1997	1998	1999	2000
OPV3 National Coverage <1 year old	69	89	77	83	70	81
# of National Immunization Campaigns	0	1	0	1	0	0
% of municipalities coverage < 80%*	70	44	56	68	82	94

* 1998 <90% *1999-2000 <95%

Case distribution by classification

	Year					
	1995	1996	1997	1998	1999	2000
Probable	0	0	0	0	0	0
Discarded	45	47	54	40	49	44
Confirmed	0	0	0	0	0	0
Compatible	1	0	0	0	0	0

Percentage of cases with specimens

	Year					
	1995	1996	1997	1998	1999	2000
Reported cases	46	47	54	40	49	44
Cases with sample	45	47	54	40	49	44
Proportion of cases with specimens (%)	98	100	100	100	100	100

Status of stool specimens

	Year					
	1995	1996	1997	1998	1999	2000
Positive for any virus	9	7	6	2	9	6
Negative for any virus	79	84	52	42	40	38
Lost	4	0	0	0	0	0
Bad	0	0	3	0	0	0
Contaminated	0	0	0	0	0	0
Pending	0	0	0	0	0	0

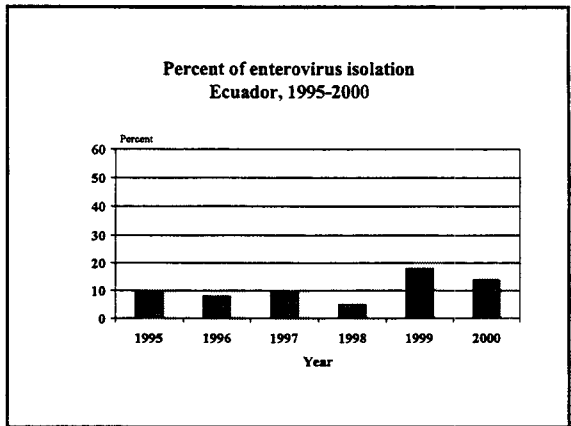
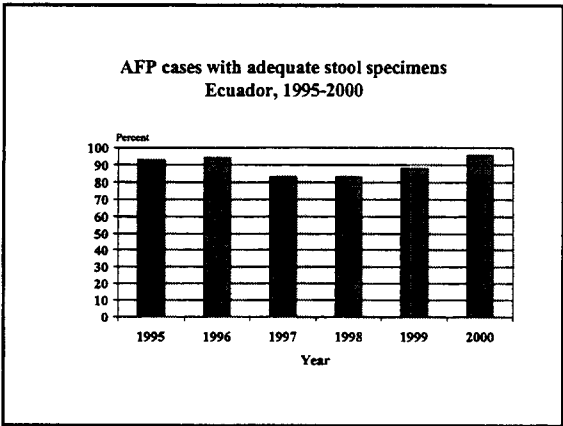
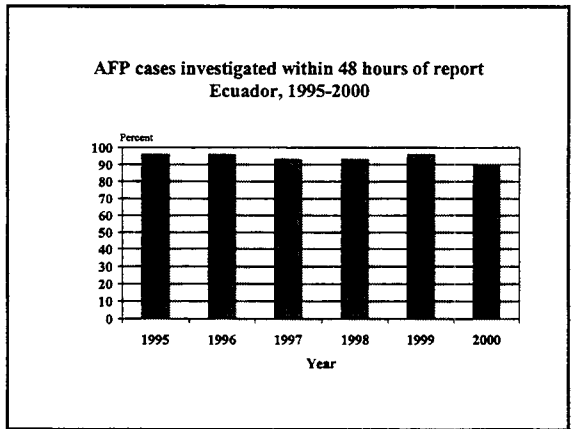
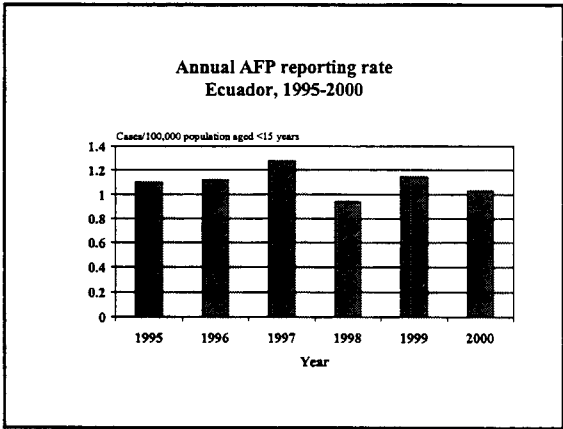
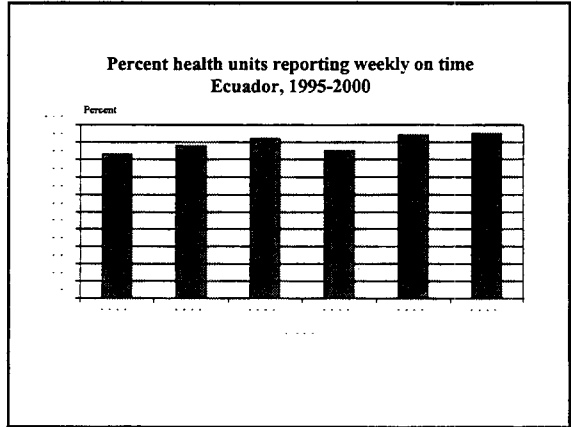
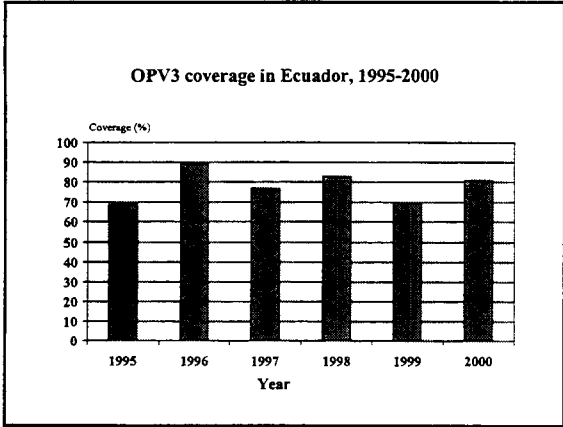
<i>Not processed</i>	0	3	15	1	0	0
Total without result	4	3	18	1	0	0
Total # of specimens	92	94	76	45	49	44
% of enterovirus isolation	10	8	10	5	18	14

Type of virus isolated

	Year					
	1995	1996	1997	1998	1999	2000
Poliovirus 1						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	0	2	0	0	0	2
<i>Wild</i>	0	0	0	0	0	0
Poliovirus 2						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	0	1	0	0	0	0
<i>Wild</i>	0	0	0	0	0	0
Poliovirus 3						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	0	0	0	0	0	0
<i>Wild</i>	0	0	0	0	0	0
Mixed						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	0	0	0	0	0	0
<i>Wild</i>	0	0	0	0	0	0
Other	9	4	6	2	9	4
Total	9	7	6	2	9	6

Source: country reports/PSS:02/15/2001

2000 provisional data



AFP SURVEILLANCE

Country: El Salvador

Population:	6,276,000
Population <1 year old 1999:	161,228
Population <15 year old/100,000 2000:	22.30
Year last wild poliovirus isolation:	1988

AFP INDICATORS

Criteria	Year					
	1995	1996	1997	1998	1999	2000
#of reported cases	58	60	53	68	73	80
Rate per 100,000 population <15 years old	2.74	2.81	2.45	3.11	3.30	3.59
% of sites reporting on time	82	89	96	77	69	64
% cases investigated <48 hours	92	72	94	91	56	44
% of cases with adequate stool specimen	98	77	93	60	71	86

OPV 3 Coverage

	Year					
	1995	1996	1997	1998	1999	2000
OPV3 National Coverage <1 year old	97	94	96	99	99	97
# of National Immunization Campaigns	0	0	1	0	0	0
% of municipalities coverage < 80%*	70	70	93	79	31	30

* 1998 <90% *1999-2000 <95%

Case distribution by classification

	Year					
	1995	1996	1997	1998	1999	2000
Probable	0	0	0	0	0	1
Discarded	58	60	53	68	73	79
Confirmed	0	0	0	0	0	0
Compatible	0	0	0	0	0	0

Percentage of cases with specimens

	Year					
	1995	1996	1997	1998	1999	2000
Reported cases	58	60	53	68	73	80
Cases with sample	58	60	53	68	72	80
Proportion of cases with specimens (%)	100	100	100	100	99	100

Status of stool specimens

	Year					
	1995	1996	1997	1998	1999	2000
Positive for any virus	48	32	19	14	5	6
Negative for any virus	55	77	76	63	64	69
Lost	0	0	0	0	0	0
Bad	0	0	0	0	0	0
Contaminated	0	0	0	0	0	0
Pending	0	0	0	0	0	1

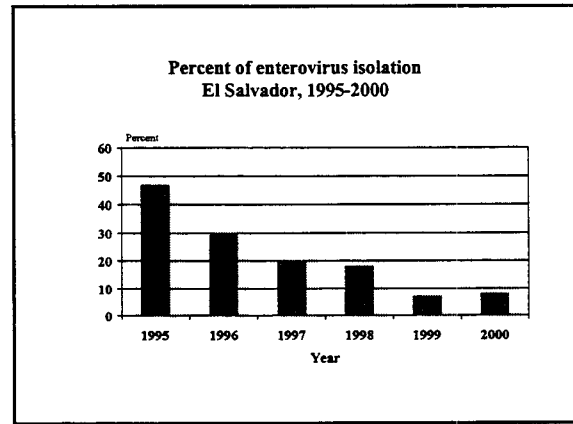
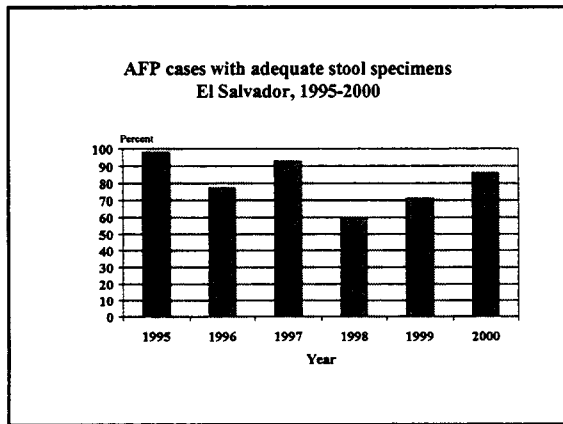
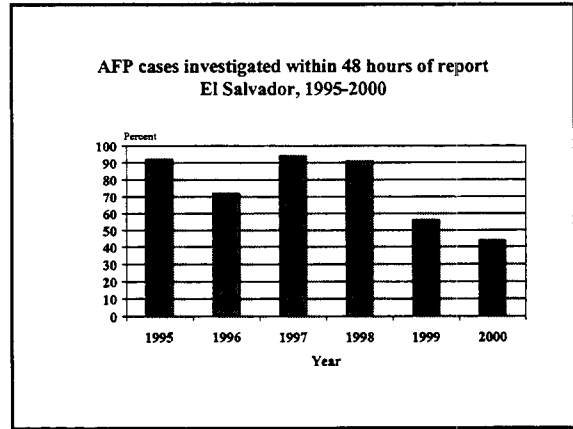
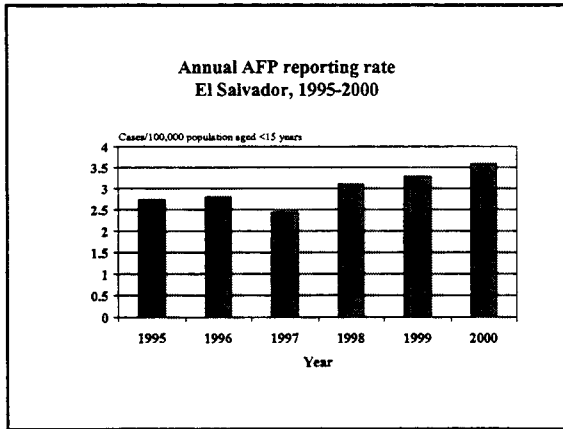
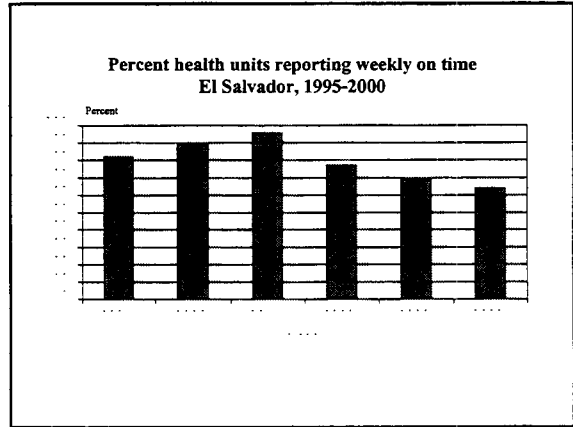
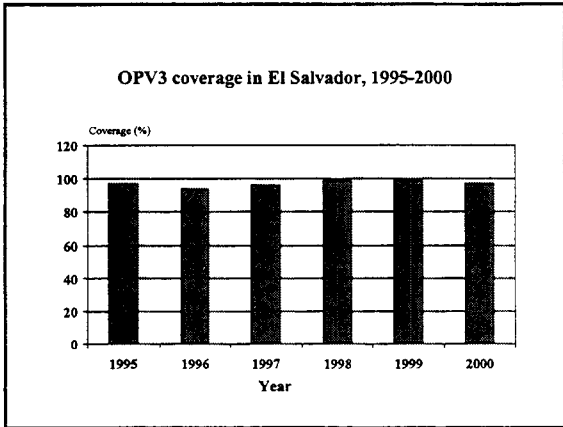
<i>Not processed</i>	15	6	4	0	2	0
Total without result	15	6	4	0	2	5
Total # of specimens	118	115	99	77	71	80
% of enterovirus isolation	47	29	20	18	7	8

Type of virus isolated

	Year					
	1995	1996	1997	1998	1999	2000
Poliovirus 1						
<i>Non-characterized</i>	1	0	0	0	0	0
<i>Vaccine</i>	1	0	0	0	0	2
<i>Wild</i>	0	0	0	0	0	0
Poliovirus 2						
<i>Non-characterized</i>	0	1	1	0	0	0
<i>Vaccine</i>	0	1	1	0	0	0
<i>Wild</i>	0	0	0	0	0	0
Poliovirus 3						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	0	0	0	0	0	0
<i>Wild</i>	0	0	0	0	0	0
Mixed						
<i>Non-characterized</i>	0	0	1	0	0	0
<i>Vaccine</i>	0	0	1	0	0	0
<i>Wild</i>	0	0	0	0	0	0
Other	47	31	17	14	5	4
Total	48	32	19	14	5	6

Source: country reports/PESS:02/15/2001

2000 provisional data



AFP SURVEILLANCE

Country: **Guatemala**

Population:	11,385,000
Population <1 year old 2000:	381,926
Population <15 year old/100,000 2000:	48.80
Year last wild poliovirus isolation:	1990

AFP INDICATORS

Criteria	Year					
	1995	1996	1997	1998	1999	2000
#of reported cases	69	49	77	51	59	86
Rate per 100,000 population <15 years old	1.46	1.01	1.67	1.11	1.21	1.76
% of sites reporting on time	75	86	72	85	61	94
% cases investigated <48 hours	59	84	75	84	97	92
% of cases with adequate stool specimen	84	90	56	63	66	74

OPV 3 Coverage

	Year					
	1995	1996	1997	1998	1999	2000
OPV3 National Coverage <1 year old	80	73	85	91	86	95
# of National Immunization Campaigns	0	0	0	0	0	0
% of municipalities coverage < 80%*	43	55	55	37	54	21

* 1998 <90% *1999-2000 <95%

Case distribution by classification

	Year					
	1995	1996	1997	1998	1999	2000
Probable	0	0	0	0	0	0
Discarded	68	48	72	50	59	86
Confirmed	0	0	0	0	0	0
Compatible	1	1	5	1	0	0

Percentage of cases with specimens

	Year					
	1995	1996	1997	1998	1999	2000
Reported cases	69	49	77	51	59	86
Cases with sample	68	48	75	47	51	77
Proportion of cases with specimens (%)	99	98	97	92	86	90

Status of stool specimens

	Year					
	1995	1996	1997	1998	1999	2000
Positive for any virus	42	25	31	16	3	6
Negative for any virus	93	68	81	49	62	44
Lost	0	0	0	0	0	0
Bad	0	0	0	0	0	0
Contaminated	0	0	0	0	0	0
Pending	0	0	0	1	1	4

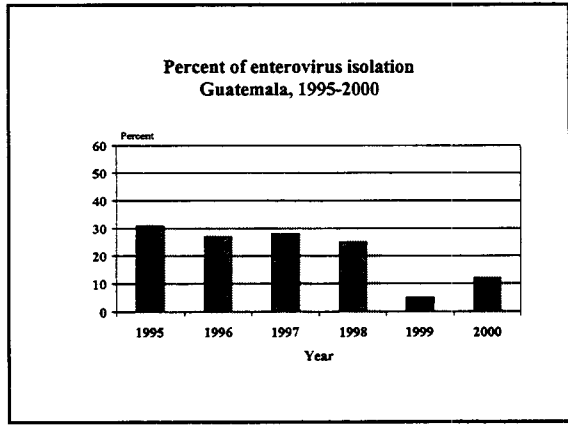
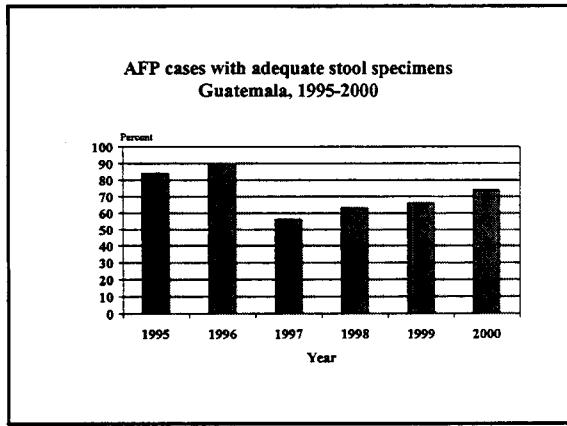
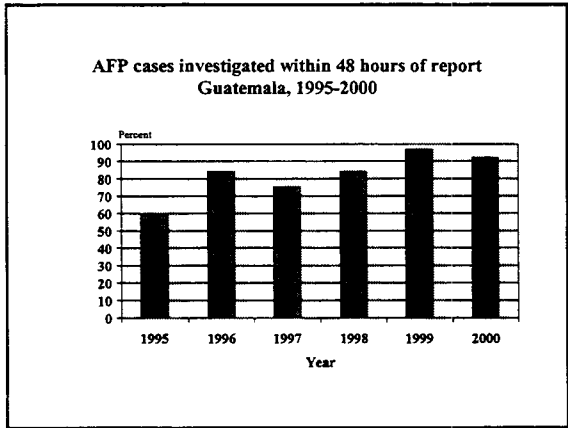
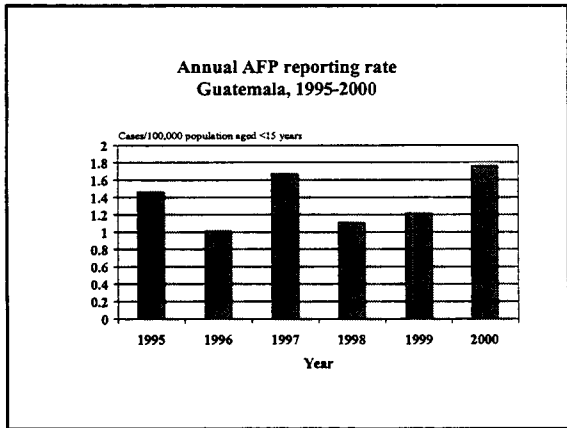
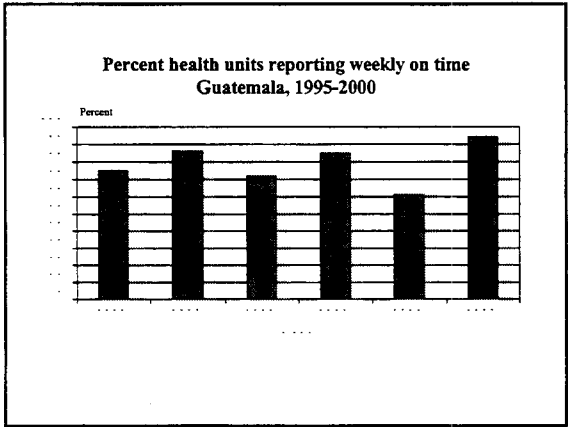
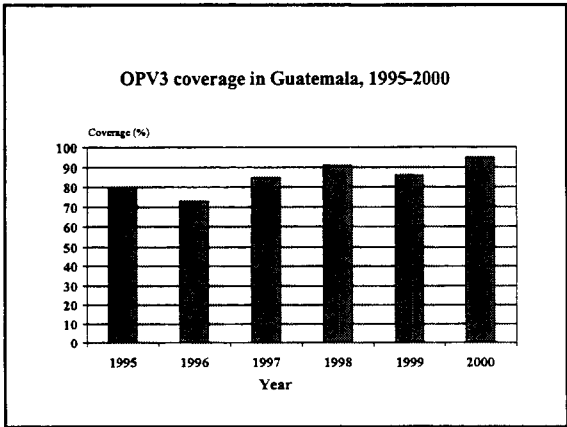
<i>Not processed</i>	2	0	3	0	3	23
Total without result	2	0	3	1	4	27
Total # of specimens	137	93	115	66	69	77
% of enterovirus isolation	31	27	28	25	5	12

Type of virus isolated

	Year					
	1995	1996	1997	1998	1999	2000
Poliovirus 1						
<i>Non-characterized</i>	0	0	0	0	1	0
<i>Vaccine</i>	0	2	0	0	1	0
<i>Wild</i>	0	0	0	0	0	0
Poliovirus 2						
<i>Non-characterized</i>	1	0	2	0	0	0
<i>Vaccine</i>	0	0	2	0	0	1
<i>Wild</i>	0	0	0	0	0	0
Poliovirus 3						
<i>Non-characterized</i>	1	2	0	0	0	0
<i>Vaccine</i>	1	1	0	0	0	1
<i>Wild</i>	0	0	0	0	0	0
Mixed						
<i>Non-characterized</i>	0	0	1	0	0	0
<i>Vaccine</i>	0	0	0	2	0	0
<i>Wild</i>	0	0	0	0	0	0
Other	39	20	26	14	1	4
Total	42	25	31	16	3	6

Source: country reports/PESS:02/15/2001

2000 provisional data



AFP SURVEILLANCE

Country:	Haiti
Population:	8,222,000
Population <1 year old 2,000:	278,564
Population <15 year old/100,000 2000:	25.50
Year last wild poliovirus isolation:	1989

AFP INDICATORS

	Year					
	1995	1996	1997	1998	1999	2000
Criteria						
#of reported cases	0	1	0	4	3	18
Rate per 100,000 population <15 years old	0.00	0.04	0.00	0.16	0.12	0.71
% of sites reporting on time	65	93	0	95	57	44
% cases investigated <48 hours	NA	100	NA	100	0	0
% of cases with adequate stool specimen	NA	100	NA	0	0	0

OPV 3 Coverage

	Year					
	1995	1996	1997	1998	1999	2000
OPV3 National Coverage <1 year old	32	.....	32	39	58	59
# of National Immunization Campaigns	0	0	0	0	0	0
% of municipalities coverage < 80%*	.....	.....	.....	.....	100	100

* 1998 <90% *1999-2000 <95%

Case distribution by classification

	Year					
	1995	1996	1997	1998	1999	2000
Probable	N/A	1	N/A	0	.....	0
Discarded	N/A	0	N/A	4	.....	16
Confirmed	N/A	0	N/A	0	.....	1
Compatible	N/A	0	N/A	0	.....	1

Percentage of cases with specimens

	Year					
	1995	1996	1997	1998	1999	2000
Reported cases	0	1	0	4	3	18
Cases with sample	N/A	1	N/A	4	0	15
Proportion of cases with specimens (%)	N/A	100	N/A	100	0	83

Status of stool specimens

	Year					
	1995	1996	1997	1998	1999	2000
Positive for any virus	N/A	0	N/A	2	.....	1
Negative for any virus	N/A	1	N/A	2	.....	11
Lost	N/A	0	N/A	0	.....	0
Bad	N/A	0	N/A	0	.....	0
Contaminated	N/A	0	N/A	0	.....	0
Pending	N/A	0	N/A	0	.....	3

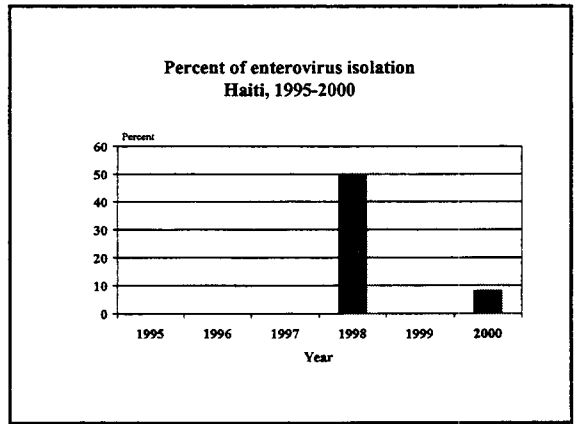
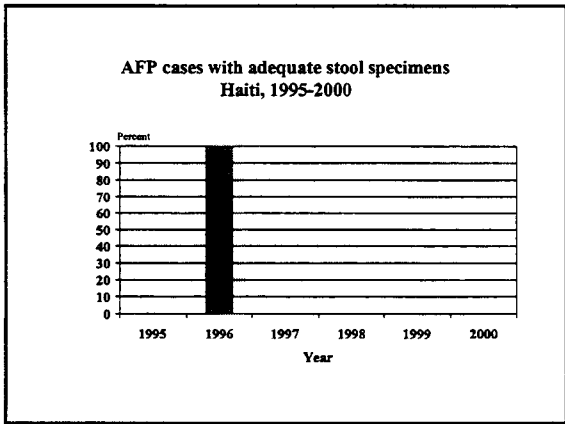
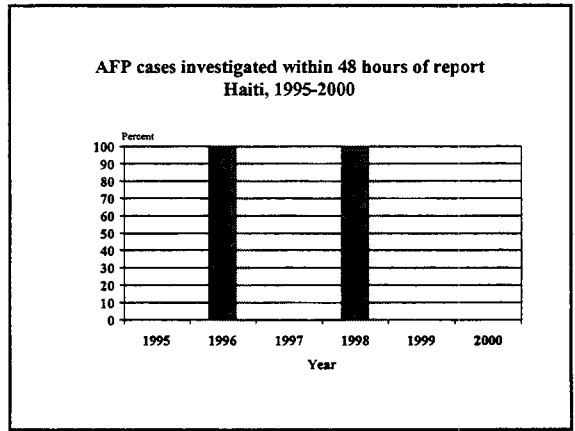
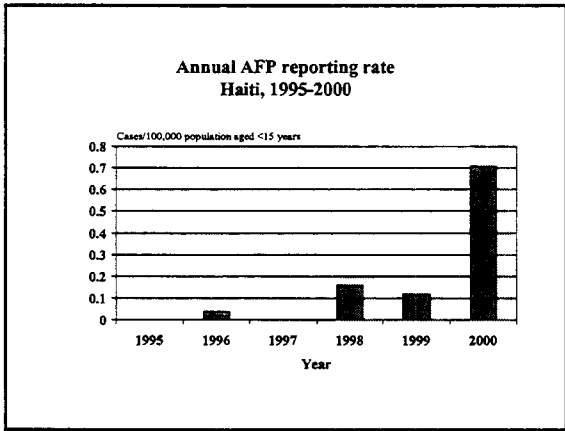
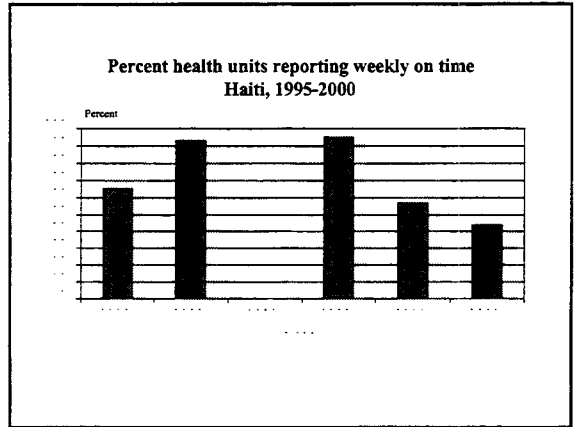
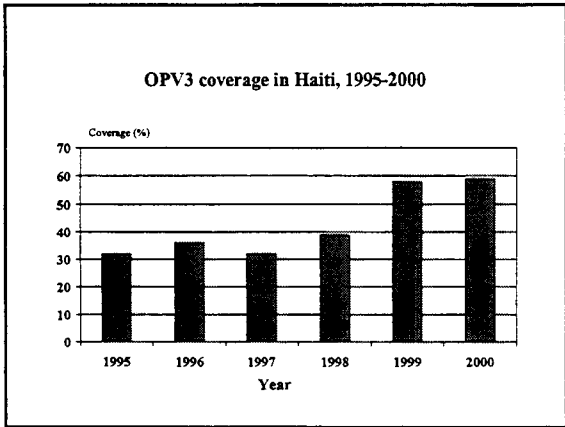
<i>Not processed</i>	N/A	1	N/A	0	.....	0
Total without result	N/A	1	N/A	0	.....	3
Total # of specimens	N/A	2	N/A	4	.....	15
% of enterovirus isolation	N/A	0	N/A	50	.....	8

Type of virus isolated

	Year					
	1995	1996	1997	1998	1999	2000
Poliovirus 1						
<i>Non-characterized</i>	N/A	0	N/A	0	.....	0
<i>Vaccine</i>	N/A	0	N/A	0	.....	1
<i>Wild</i>	N/A	0	N/A	0	.....	0
Poliovirus 2						
<i>Non-characterized</i>	N/A	0	N/A	0	.....	0
<i>Vaccine</i>	N/A	0	N/A	0	.....	0
<i>Wild</i>	N/A	0	N/A	0	.....	0
Poliovirus 3						
<i>Non-characterized</i>	N/A	0	N/A	0	.....	0
<i>Vaccine</i>	N/A	0	N/A	0	.....	0
<i>Wild</i>	N/A	0	N/A	0	.....	0
Mixed						
<i>Non-characterized</i>	N/A	0	N/A	0	.....	0
<i>Vaccine</i>	N/A	0	N/A	0	.....	0
<i>Wild</i>	N/A	0	N/A	0	.....	0
Other	N/A	0	N/A	2	.....	0
Total	N/A	0	N/A	2	.....	1

Source: country reports/PESS:02/15/2001
N/A: Not applicable no cases reported

2000 provisional data



AFP SURVEILLANCE

Country:	Honduras
Population:	6,194,926
Population <1 year old 2000:	189,809
Population <15 year old/100,000 2000:	25.22
Year last wild poliovirus isolation:	1989

AFP INDICATORS

Criteria	Year					
	1995	1996	1997	1998	1999	2000
#of reported cases	59	45	49	48	45	49
Rate per 100,000 population <15 years old	2.53	1.85	2.01	1.95	1.78	1.94
% of sites reporting on time	94	81	80	82	82	89
% cases investigated <48 hours	90	98	100	100	98	98
% of cases with adequate stool specimen	93	91	86	84	100	98

OPV 3 Coverage

	Year					
	1995	1996	1997	1998	1999	2000
OPV3 National Coverage <1 year old	94	94	93	98	95	91
# of National Immunization Campaigns	1	1	1	1	1	1
% of municipalities coverage < 80%*	18	15	22	39	27	28

* 1998 <90% *1999-2000 <95%

Case distribution by classification

	Year					
	1995	1996	1997	1998	1999	2000
Probable	0	0	0	0	0	0
Discarded	60	44	50	48	45	49
Confirmed	0	0	0	0	0	0
Compatible	0	0	0	0	0	0

Percentage of cases with specimens

	Year					
	1995	1996	1997	1998	1999	2000
Reported cases	59	45	49	48	45	49
Cases with sample	59	45	49	48	45	49
Proportion of cases with specimens (%)	100	100	100	100	100	100

Status of stool specimens

	Year					
	1995	1996	1997	1998	1999	2000
Positive for any virus	23	17	12	18	5	9
Negative for any virus	36	28	37	30	40	38
<i>Lost</i>	0	0	0	0	0	0
<i>Bad</i>	0	0	0	0	0	0
<i>Contaminated</i>	0	0	0	0	0	0
<i>Pending</i>	0	0	0	0	0	0

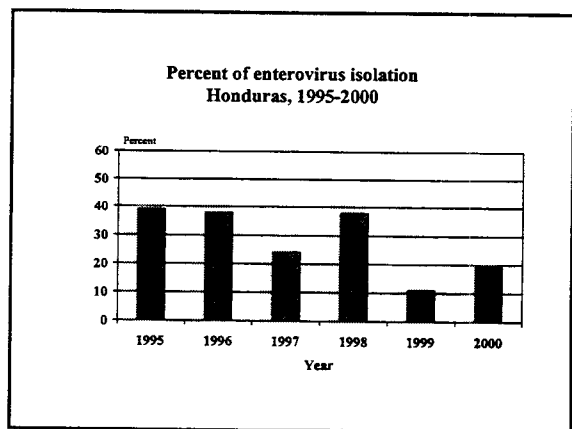
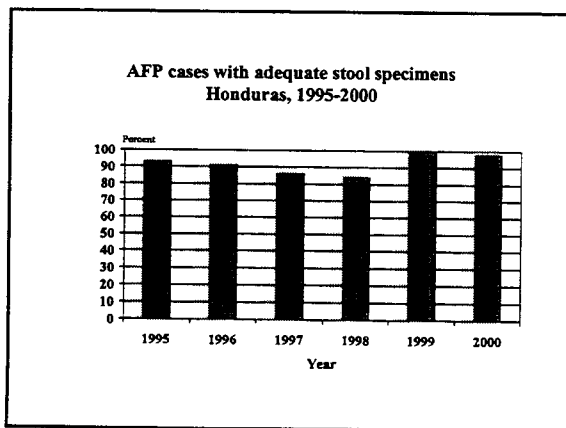
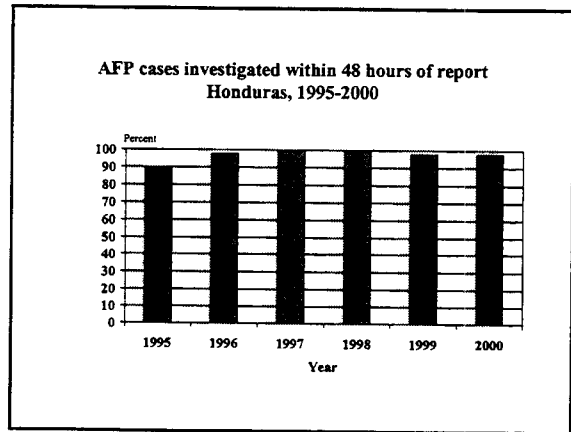
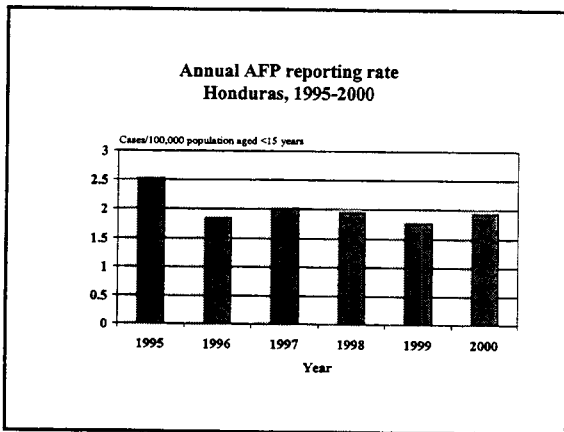
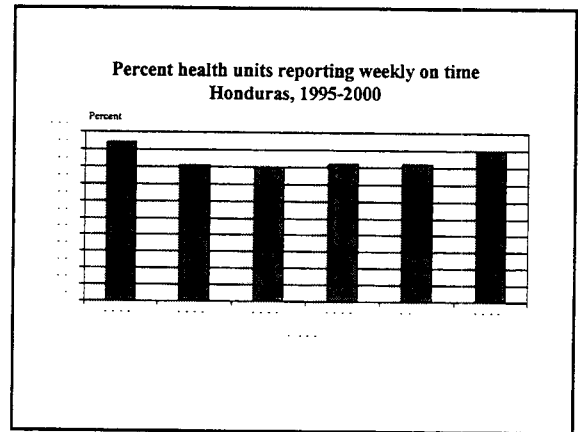
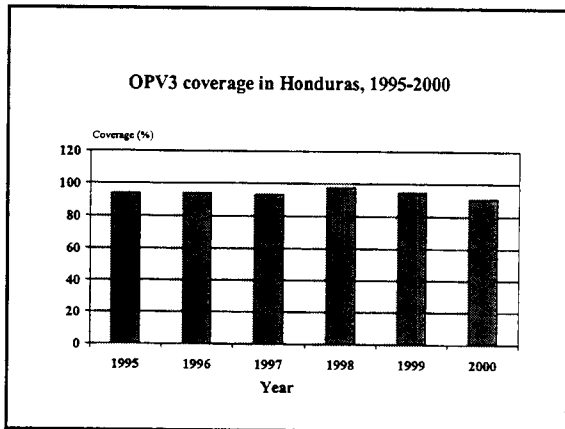
<i>Not processed</i>	0	0	0	0	0	2
Total without result	0	0	0	0	0	2
Total # of specimens	59	45	49	48	45	49
% of enterovirus isolation	39	38	24	38	11	19

Type of virus isolated

	Year					
	1995	1996	1997	1998	1999	2000
Poliovirus 1						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	0	0	0	0	0	0
<i>Wild</i>	0	0	0	0	0	0
Poliovirus 2						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	1	0	0	0	0	1
<i>Wild</i>	0	0	0	0	0	0
Poliovirus 3						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	0	0	0	0	0	0
<i>Wild</i>	0	0	0	0	0	0
Mixed						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	0	0	0	0	0	0
<i>Wild</i>	0	0	0	0	0	0
Other	22	17	12	18	5	8
Total	23	17	12	18	5	9

Source: country reports/PESS:02/15/2001

2000 provisional data



AFP SURVEILLANCE

Country:	Mexico
Population:	98,881,000
Population <1 year old 2,000:	2,124,297
Population <15 year old/100,000 2000:	330.57
Year last wild poliovirus isolation:	1990

AFP INDICATORS

Criteria	Year					
	1995	1996	1997	1998	1999	2000
#of reported cases	465	556	489	385	396	354
Rate per 100,000 population <15 years old	1.42	1.69	1.49	1.17	1.19	1.07
% of sites reporting on time	89	89	94	94	95	90
% cases investigated <48 hours	92	94	98	86	92	96
% of cases with adequate stool specimen	84	78	77	85	85	81

OPV 3 Coverage

	Year					
	1995	1996	1997	1998	1999	2000
OPV3 National Coverage <1 year old	92	95	95	96	96	97
# of National Immunization Campaigns	2	2	2	2	2	2
% of municipalities coverage < 80%*	0.5	0.5	0.3	3	8	8

* 1998 <90% *1999-2000 <95%

Case distribution by classification

	Year					
	1995	1996	1997	1998	1999	2000
Probable	0	0	0	0	0	14
Discarded	461	550	486	385	396	340
Confirmed	0	0	0	0	0	0
Compatible	4	6	1	0	0	0

Percentage of cases with specimens

	Year					
	1995	1996	1997	1998	1999	2000
Reported cases	465	556	489	385	396	354
Cases with sample	453	526	472	374	376	367
Proportion of cases with specimens (%)	97	95	97	97	95	104

Status of stool specimens

	Year					
	1995	1996	1997	1998	1999	2000
Positive for any virus	194	232	133	88	65	62
Negative for any virus	688	797	780	632	628	275
Lost	0	0	0	0	7	0
Bad	0	0	0	0	4	0
Contaminated	0	0	0	0	0	1
Pending	0	0	0	0	0	0

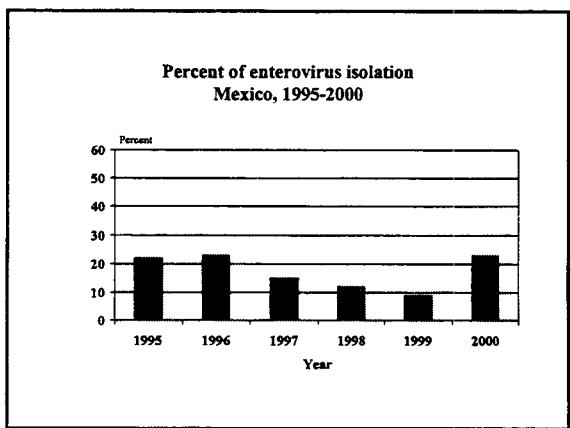
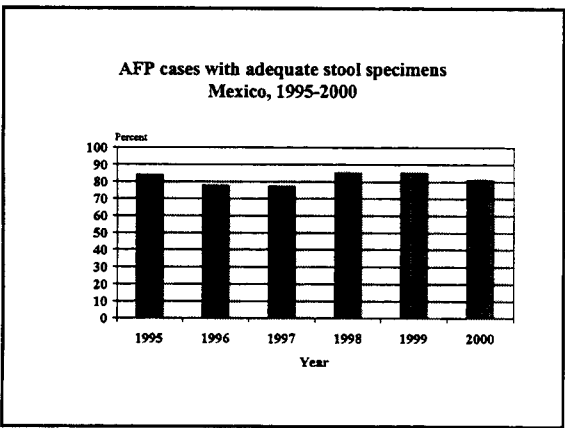
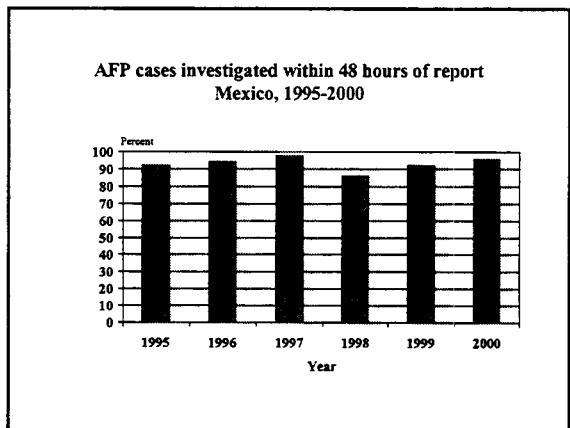
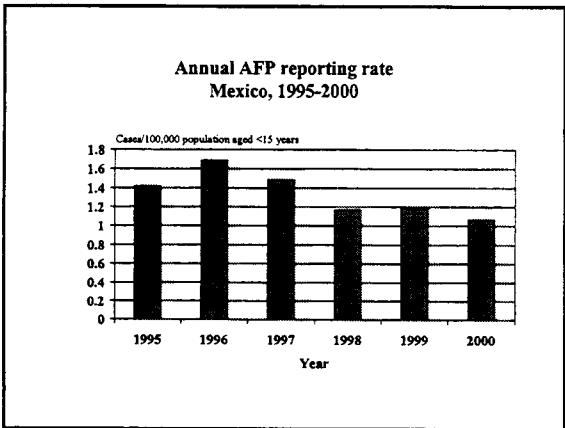
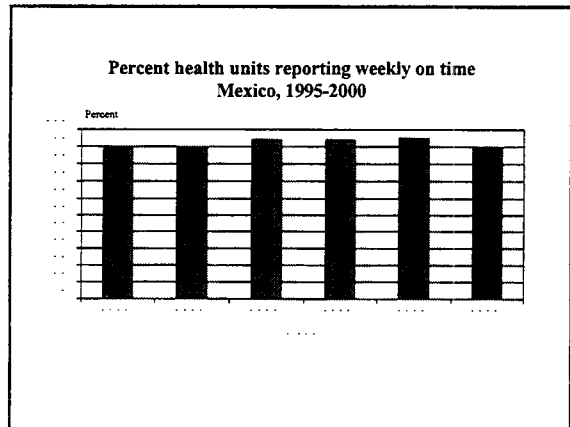
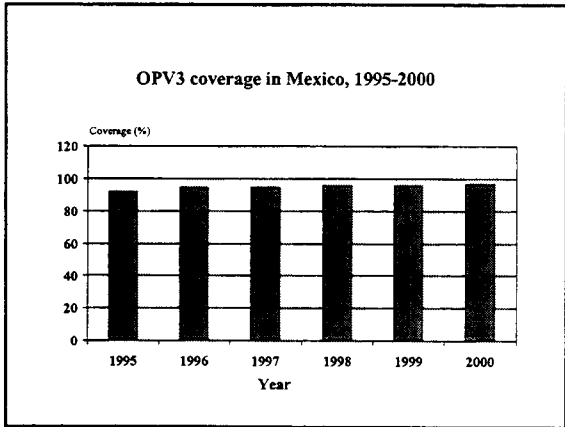
<i>Not processed</i>	0	1	7	0	11	35
Total without result	0	1	7	0	22	36
Total # of specimens	882	1030	920	720	715	373
% of enterovirus isolation	22	23	15	12	9	23

Type of virus isolated

	Year					
	1995	1996	1997	1998	1999	2000
Poliovirus 1						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	2	4	0	2	1	3
<i>Wild</i>	0	0	0	0	0	0
Poliovirus 2						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	1	1	3	1	1	4
<i>Wild</i>	0	0	0	0	0	0
Poliovirus 3						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	5	1	1	2	4	1
<i>Wild</i>	0	0	0	0	0	0
Mixed						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	5	2	0	0	0	0
<i>Wild</i>	0	0	0	0	0	0
Other	181	224	129	83	59	54
Total	194	232	133	88	65	62

Source: country reports/PESS:02/15/2001

2000 provisional data



AFP SURVEILLANCE

Country:	Nicaragua
Population:	5,074,000
Population <1 year old 2000:	167,844
Population <15 year old/100,000 2000:	22.00
Year last wild poliovirus isolation:	1981

AFP INDICATORS

Criteria	Year					
	1995	1996	1997	1998	1999	2000
#of reported cases	40	35	45	30	29	32
Rate per 100,000 population <15 years old	2.02	1.76	2.39	1.39	1.32	1.45
% of sites reporting on time	89	98	98	98	100	100
% cases investigated <48 hours	75	80	89	93	93	100
% of cases with adequate stool specimen	100	100	100	100	100	97

OPV 3 Coverage

	Year					
	1995	1996	1997	1998	1999	2000
OPV3 National Coverage <1 year old	96	99	99	91	93	94
# of National Immunization Campaigns	2	2	2	2	2	2
% of municipalities coverage < 80%*	16	20	13	58	44	49

* 1998 <90% *1999-2000 <95%

Case distribution by classification

	Year					
	1995	1996	1997	1998	1999	2000
Probable	0	0	0	0	0	0
Discarded	40	35	45	30	29	32
Confirmed	0	0	0	0	0	0
Compatible	0	0	0	0	0	0

Percentage of cases with specimens

	Year					
	1995	1996	1997	1998	1999	2000
Reported cases	40	35	45	30	29	32
Cases with sample	40	35	45	30	29	2
Proportion of cases with specimens (%)	100	100	100	100	100	6

Status of stool specimens

	Year					
	1995	1996	1997	1998	1999	2000
Positive for any virus	9	12	5	3	10	2
Negative for any virus	71	47	39	32	23	27
Lost	0	0	0	0	0	0
Bad	0	0	0	0	0	0
Contaminated	0	0	0	0	0	0
Pending	0	0	0	0	4	34

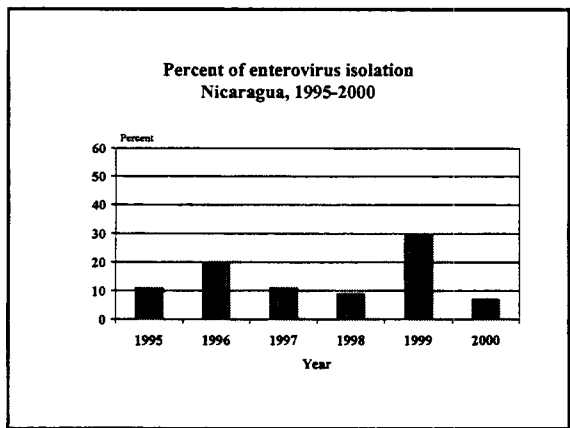
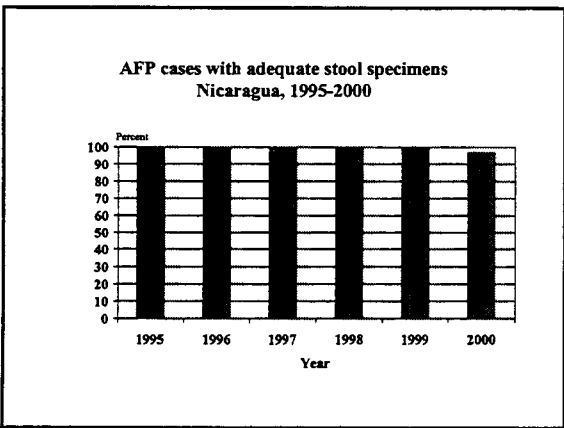
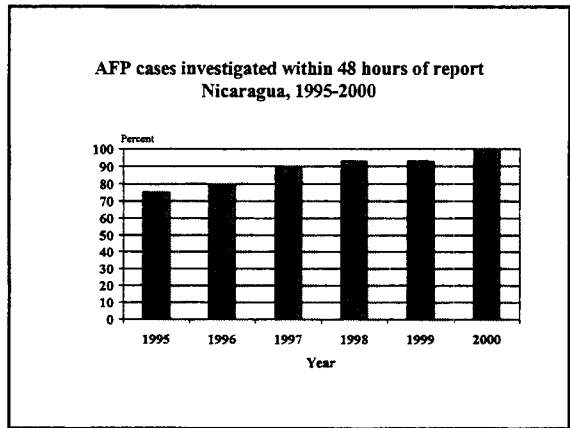
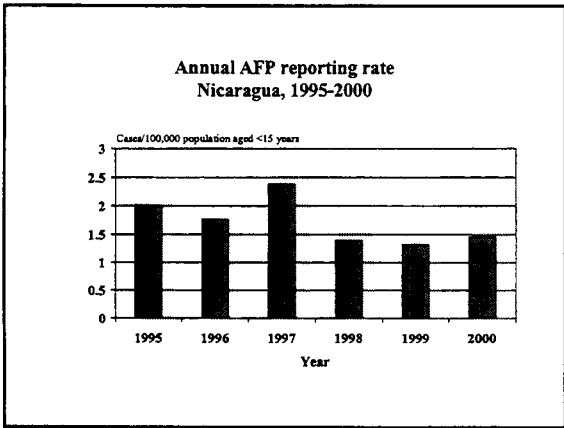
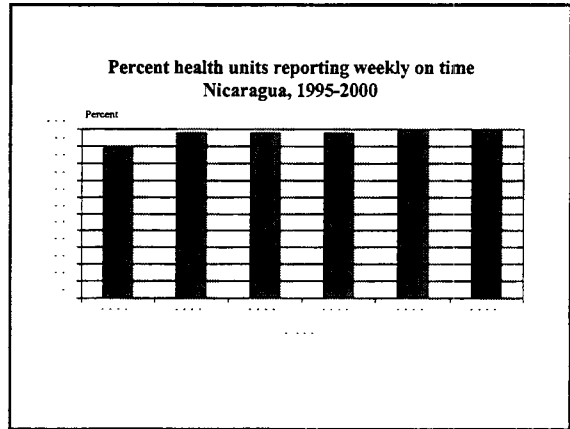
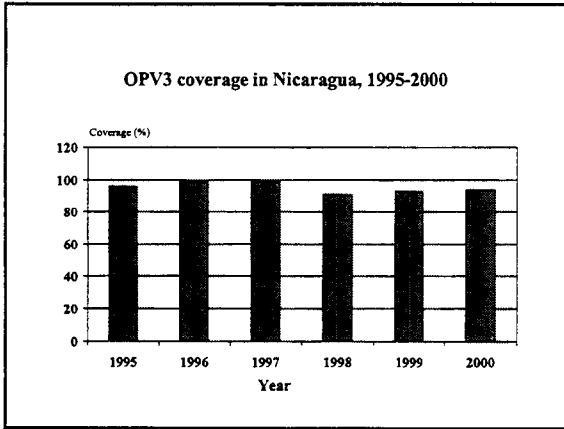
<i>Not processed</i>	0	0	1	0	0	1
Total without result	0	0	1	0	4	35
Total # of specimens	80	59	45	35	37	64
% of enterovirus isolation	11	20	11	9	30	7

Type of virus isolated

	Year					
	1995	1996	1997	1998	1999	2000
Poliovirus 1						
<i>Non-characterized</i>	0	0	0	0	2	0
<i>Vaccine</i>	0	0	0	0	1	0
<i>Wild</i>	0	0	0	0	0	0
Poliovirus 2						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	0	0	0	0	0	0
<i>Wild</i>	0	0	0	0	0	0
Poliovirus 3						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	0	0	0	0	0	0
<i>Wild</i>	0	0	0	0	0	0
Mixed						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	0	0	0	0	1	0
<i>Wild</i>	0	0	0	0	0	0
Other	9	12	5	3	6	2
Total	9	12	5	3	10	2

Source: country reports/PESS:02/15/2001

2000 provisional data



AFP SURVEILLANCE

Country: Panama

Population:	2,856,000
Population <1 year old 2000:	59,941
Population <15 year old/100,000 2000:	8.90
Year last wild poliovirus isolation:	1972

AFP INDICATORS

Criteria	Year					
	1995	1996	1997	1998	1999	2000
#of reported cases	10	8	8	11	12	10
Rate per 100,000 population <15 years old	1.14	0.91	0.90	1.24	1.35	1.12
% of sites reporting on time	90	91	91	91	93	86
% cases investigated <48 hours	100	89	100	100	67	80
% of cases with adequate stool specimen	100	100	100	100	100	100

OPV 3 Coverage

	Year					
	1995	1996	1997	1998	1999	2000
OPV3 National Coverage <1 year old	86	92	99	99	96	100
# of National Immunization Campaigns	1	0	0	0	2	1
% of municipalities coverage < 80%*	32	25	13	24	16	10

* 1998 <90% *1999-2000 <95%

Case distribution by classification

	Year					
	1995	1996	1997	1998	1999	2000
Probable	0	0	0	0	0	3
Discarded	10	8	8	11	12	7
Confirmed	0	0	0	0	0	0
Compatible	0	0	0	0	0	0

Percentage of cases with specimens

	Year					
	1995	1996	1997	1998	1999	2000
Reported cases	10	8	8	11	12	10
Cases with sample	10	7	8	11	12	10
Proportion of cases with specimens (%)	100	88	100	100	100	100

Status of stool specimens

	Year					
	1995	1996	1997	1998	1999	2000
Positive for any virus	2	0	0	3	1	0
Negative for any virus	18	14	15	14	14	10
Lost	0	0	0	0	0	0
Bad	0	0	0	0	0	0
Contaminated	0	0	0	0	0	0
Pending	0	0	0	0	0	0

<i>Not processed</i>	0	0	0	0	0	0
Total without result	0	0	0	0	0	0
Total # of specimens	20	14	15	17	15	10
% of enterovirus isolation	10	0	0	18	7	0

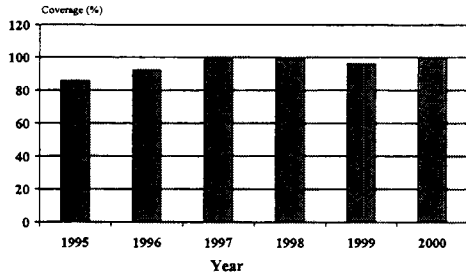
Type of virus isolated

	Year					
	1995	1996	1997	1998	1999	2000
Poliovirus 1						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	0	0	0	0	0	0
<i>Wild</i>	0	0	0	0	0	0
Poliovirus 2						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	0	0	0	0	0	0
<i>Wild</i>	0	0	0	0	0	0
Poliovirus 3						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	2	0	0	0	0	0
<i>Wild</i>	0	0	0	0	0	0
Mixed						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	0	0	0	0	0	0
<i>Wild</i>	0	0	0	0	0	0
Other	0	0	0	3	1	0
Total	2	0	0	3	1	0

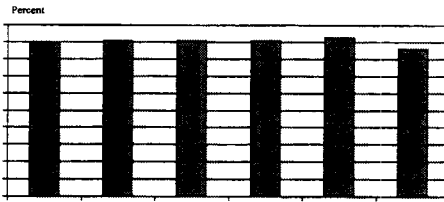
Source: country reports/PESS:02/15/2001

2000 provisional data

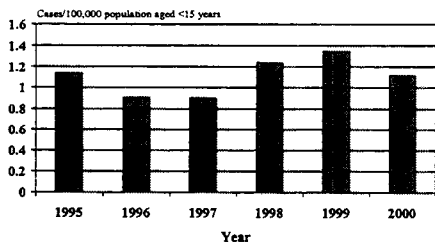
OPV3 coverage in Panama, 1995-2000



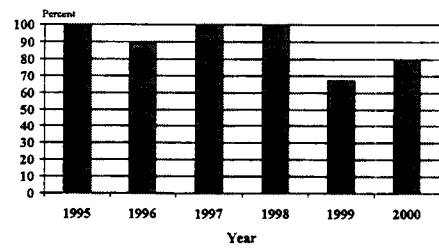
Percent health units reporting weekly on time Panama, 1995-2000



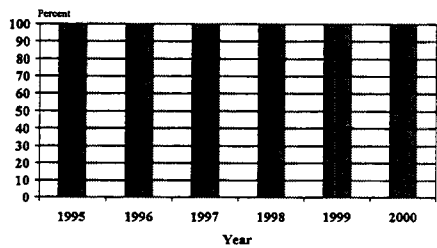
Annual AFP reporting rate Panama, 1995-2000



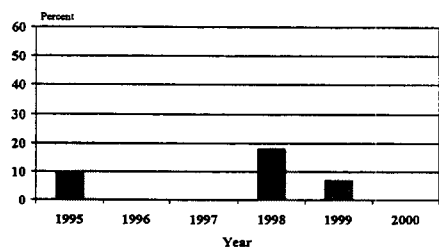
AFP cases investigated within 48 hours of report Panama, 1995-2000



AFP cases with adequate stool specimens Panama, 1995-2000



Percent of enterovirus isolation Panama, 1995-2000



AFP SURVEILLANCE

Country	Paraguay
Population:	5,496,000
Population <1 year old 1999:	157,497
Population <15 year/100,000 2000:	21.40
Year last wild poliovirus isolation:	1985

AFP INDICATORS	Year					
	1995	1996	1997	1998	1999	2000
Criteria						
#of reported cases	23	19	10	9	18	19
Rate per 100,000 population <15 years old	1.14	0.93	0.48	0.43	0.84	0.89
% of sites reporting on time	93	91	91	91	89	79
% cases investigated <48 hours	100	100	100	100	72	79
% of cases with adequate stool specimen	96	84	90	89	72	63

OPV3 Coverage

	Year					
	1995	1996	1997	1998	1999	2000
OPV3 National Coverage <1 year old	79	81	82	84	74	73
# of National Immunization Campaigns	0	0	0	0	0	1
% of municipalities coverage < 80%*	57	48	44	62	77	85

* 1998 <90% *1999-2000 <95%

Case distribution by classification

	Year					
	1995	1996	1997	1998	1999	2000
Probable	0	0	0	0	0	0
Discarded	23	19	10	9	18	19
Confirmed	0	0	0	0	0	0
Compatible	0	0	0	0	0	0

Percentage of cases with specimens

	Year					
	1995	1996	1997	1998	1999	2000
Reported cases	23	19	10	9	18	19
Cases with sample	23	19	10	9	18	19
Proportion of cases with specimens (%)	100	100	100	100	100	100

Status of stool specimens

	Year					
	1995	1996	1997	1998	1999	2000
Positive for any virus	7	14	4	5	7	5
Negative for any virus	39	15	6	5	11	14
Lost	0	0	0	0	0	0
Bad	0	0	0	0	0	0
Contaminated	0	0	0	0	0	0
Pending	0	0	0	0	1	0

<i>Not processed</i>	0	0	0	0	0	0
Total without result	0	0	0	0	0	0
Total # of specimens	46	29	10	10	18	19
% of enterovirus isolation	15	48	40	50	39	26

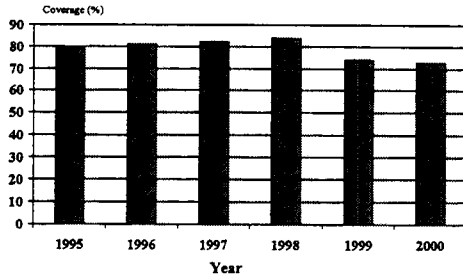
Type of virus isolated

	Year					
	1995	1996	1997	1998	1999	2000
Poliovirus 1						
<i>Non-characterized</i>	0	0	0	1	0	0
<i>Vaccine</i>	0	0	0	1	0	0
<i>Wild</i>	0	0	0	0	0	0
Poliovirus 2						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	0	0	2	0	0	0
<i>Wild</i>	0	0	0	0	0	0
Poliovirus 3						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	0	0	0	0	0	2
<i>Wild</i>	0	0	0	0	0	0
Mixed						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	0	0	0	0	0	0
<i>Wild</i>	0	0	0	0	0	0
Other	7	14	2	3	7	3
Total	7	14	4	5	7	5

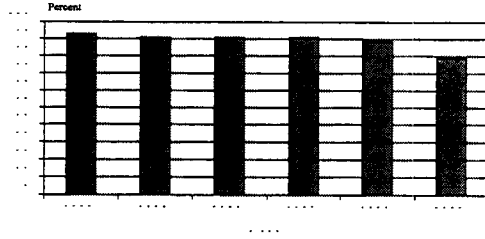
Source: country reports/PESS:02/15/2001

2000 provisional data

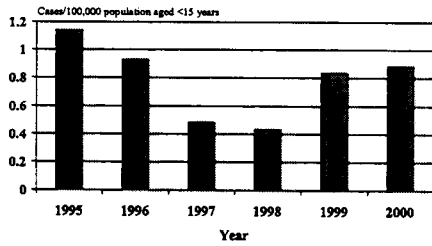
OPV3 coverage in Paraguay, 1995-2000



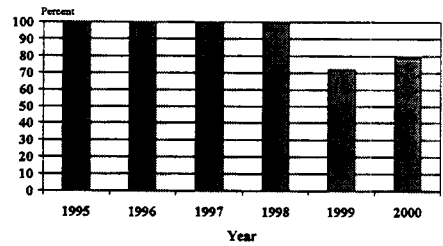
Percent health units reporting weekly on time Paraguay, 1995-2000



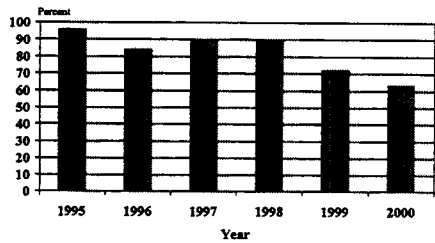
Annual AFP reporting rate Paraguay, 1995-2000



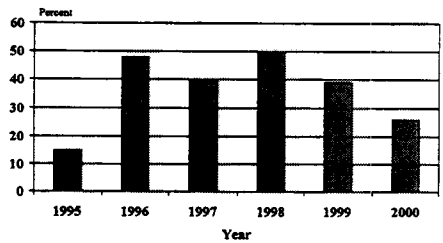
AFP cases investigated within 48 hours of report Paraguay, 1995-2000



AFP cases with adequate stool specimens Paraguay, 1995-2000



Percent of enterovirus isolation Paraguay, 1995-2000



AFP SURVEILLANCE

Country:	Peru
Population:	25,662,000
Population <1 year old 1999:	588,297
Population <15 year old/100,000 2000:	85.50
Year last wild poliovirus isolation:	1991

AFP INDICATORS

Criteria	Year					
	1995	1996	1997	1998	1999	2000
#of reported cases	89	103	87	91	117	102
Rate per 100,000 population <15 years old	1.04	1.21	1.02	1.07	1.37	1.19
% of sites reporting on time	82	92	92	86	91	86
% cases investigated <48 hours	82	87	95	86	99	97
% of cases with adequate stool specimen	99	98	91	53	100	93

OPV 3 Coverage

	Year					
	1995	1996	1997	1998	1999	2000
OPV3 National Coverage <1 year old	93	99	97	96	96	93
# of National Immunization Campaigns	2	2	2	2	2	2
% of municipalities coverage < 80%*	45	28	29	65	49	31

* 1998 <90% *1999-2000 <95%

Case distribution by classification

	Year					
	1995	1996	1997	1998	1999	2000
Probable	0	0	0	0	0	3
Discarded	88	103	87	91	117	99
Confirmed	0	0	0	0	0	0
Compatible	1	0	0	0	0	0

Percentage of cases with specimens

	Year					
	1995	1996	1997	1998	1999	2000
Reported cases	89	103	87	91	117	102
Cases with sample	88	102	86	56	117	93
Proportion of cases with specimens (%)	99	99	99	62	100	91

Status of stool specimens

	Year					
	1995	1996	1997	1998	1999	2000
Positive for any virus	51	33	21	13	21	4
Negative for any virus	135	124	66	43	96	75
Lost	0	0	0	0	0	0
Bad	0	0	0	0	0	0
Contaminated	0	0	0	0	0	0
Pending	0	0	0	0	0	25

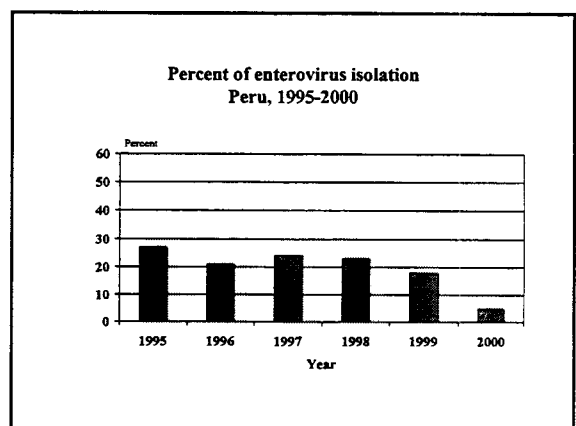
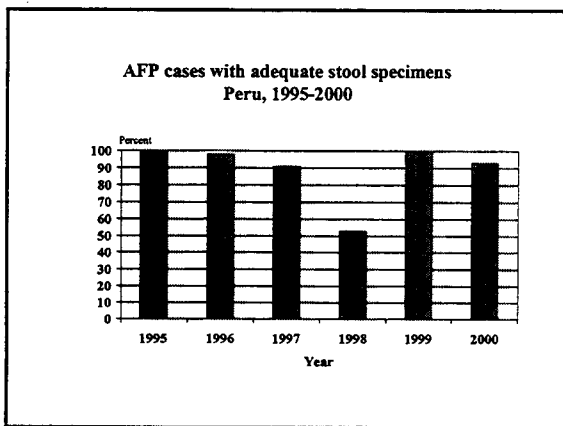
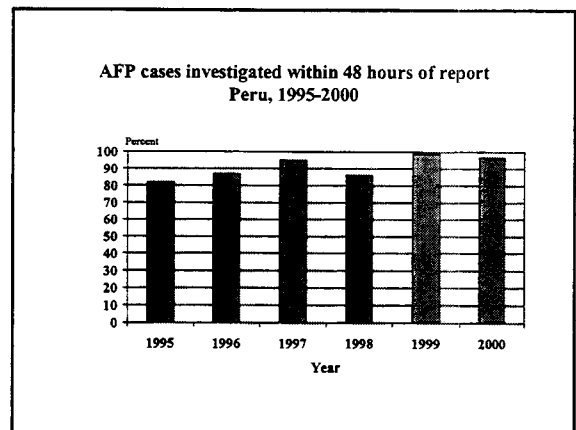
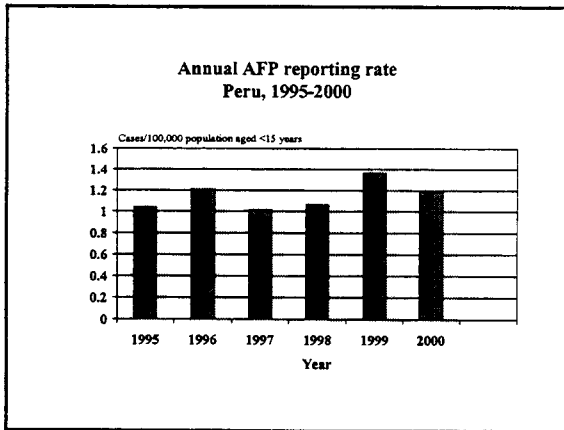
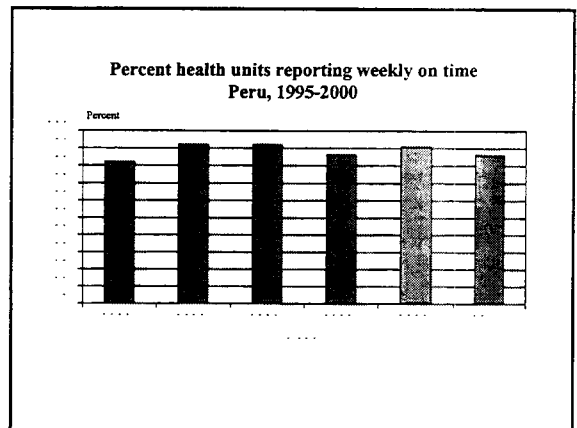
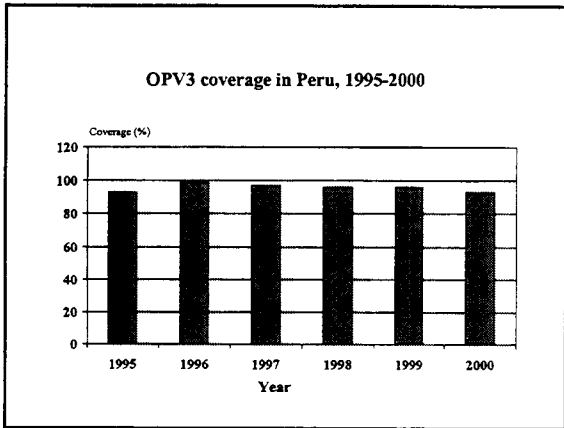
<i>Not processed</i>	2	17	2	1	0	1
Total without result	2	17	2	1	0	26
Total # of specimens	188	174	89	57	117	105
% of enterovirus isolation	27	21	24	23	18	5

Type of virus isolated

	Year					
	1995	1996	1997	1998	1999	2000
Poliovirus 1						
<i>Non-characterized</i>	4	0	0	0	0	0
<i>Vaccine</i>	5	0	1	3	0	0
<i>Wild</i>	0	0	0	0	0	0
Poliovirus 2						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	0	1	0	1	0	0
<i>Wild</i>	0	0	0	0	0	0
Poliovirus 3						
<i>Non-characterized</i>	0	1	0	0	0	0
<i>Vaccine</i>	0	1	0	0	0	0
<i>Wild</i>	0	0	0	0	0	0
Mixed						
<i>Non-characterized</i>	1	0	0	0	0	0
<i>Vaccine</i>	1	3	0	0	0	0
<i>Wild</i>	0	0	0	0	0	0
Other	40	27	20	9	21	4
Total	51	33	21	13	21	4

Source: country reports/PESS:02/15/2001

2000 provisional data



<i>Not processed</i>	.....	.....	.....	.....	.....	.....
Total without result	.....	.....	.....	.....	.....	.....
Total # of specimens	.....	.....	.....	.....	.....	.....
% of enterovirus isolation	.....	.....	.....	.....	.....	.....

Type of virus isolated

	Year					
	1995	1996	1997	1998	1999	2000
Poliovirus 1						
<i>Non-characterized</i>
<i>Vaccine</i>
<i>Wild</i>
Poliovirus 2						
<i>Non-characterized</i>
<i>Vaccine</i>
<i>Wild</i>
Poliovirus 3						
<i>Non-characterized</i>
<i>Vaccine</i>
<i>Wild</i>
Mixed						
<i>Non-characterized</i>
<i>Vaccine</i>
<i>Wild</i>
Other
Total

Source: country reports/PESS:02/15/2001

2000 provisional data
 Not data available

AFP SURVEILLANCE

Country:	Uruguay
Population:	3,337,000
Population <1 year old 1999:	75,893
Population <15 year old/100,000 2000:	12.96
Year last wild poliovirus isolation:	1979

AFP INDICATORS

Criteria	Year					
	1995	1996	1997	1998	1999	2000
#of reported cases	8	5	10	10	4	9
Rate per 100,000 population <15 years old	0.62	0.39	0.77	0.77	0.31	0.69
% of sites reporting on time	.....	80	50	32	.....	.....
% cases investigated <48 hours	88	40	100	100	75	100
% of cases adequate stool sp within 15 days	88	40	80	90	25	100

OPV 3 Coverage

	Year					
	1995	1996	1997	1998	1999	2000
OPV3 National Coverage <1 year old	91	91	91	87	93	88
# of National Immunization Campaigns	0	0	0	0	0	0
% of municipalities coverage < 80%*	0	0	0	9	11	35

* 1998 <90% *1999-2000 <95%

Case distribution by classification

	Year					
	1995	1996	1997	1998	1999	2000
Probable	0	0	0	3	4	2
Discarded	8	5	10	7	0	7
Confirmed	0	0	0	0	0	0
Compatible	0	0	0	0	0	0

Percentage of cases with sample

	Year					
	1995	1996	1997	1998	1999	2000
Reported cases	8	5	10	10	4	9
Cases with sample	7	3	10	10	1	9
Proportion of cases with sample (%)	88	60	100	100	25	100

Status of stool samples

	Year					
	1995	1996	1997	1998	1999	2000
Positive	2	1	1	0	0	0
Negative	12	5	9	7	1	9
Lost	0	0	0	0	0	0
Bad	0	0	0	0	0	0
Contaminated	0	0	0	0	0	0
Pending	0	0	0	1	0	0

<i>Not processed</i>	0	1	4	1	0	0
Total without result	0	1	4	2	0	0
Total # of samples	14	7	14	9	1	9
% of enterovirus isolation	14	17	10	0	0	0

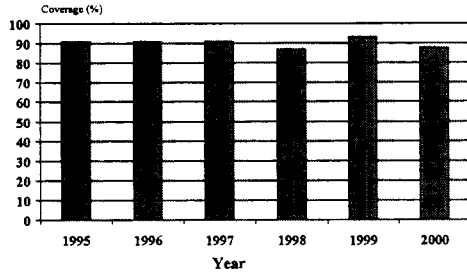
Type of virus isolated

	Year					
	1995	1996	1997	1998	1999	2000
Poliovirus 1						
<i>Non characterized</i>	0	0	0	0	0	0
<i>Vaccinal</i>	0	0	0	0	0	0
<i>Wild</i>	0	0	0	0	0	0
Poliovirus 2						
<i>Non characterized</i>	0	0	0	0	0	0
<i>Vaccinal</i>	0	0	0	0	0	0
<i>Wild</i>	0	0	0	0	0	0
Poliovirus 3						
<i>Non characterized</i>	0	0	0	0	0	0
<i>Vaccinal</i>	0	0	0	0	0	0
<i>Wild</i>	0	0	0	0	0	0
Mixed						
<i>Non characterized</i>	0	0	0	0	0	0
<i>Vaccinal</i>	0	0	0	0	0	0
<i>Wild</i>	0	0	0	0	0	0
Other	2	1	1	0	0	0
Total	2	1	1	0	0	0

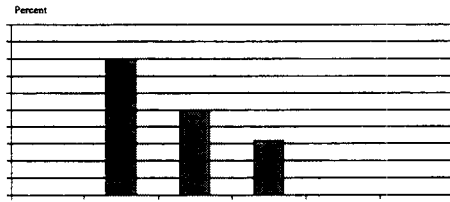
Source: country reports/PESS:02/15/2001

2000 provisional data

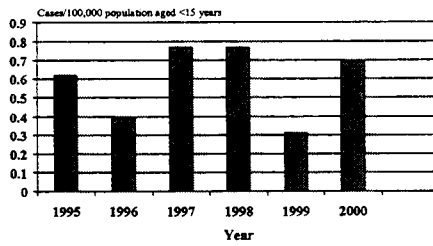
OPV3 coverage in Uruguay, 1995-2000



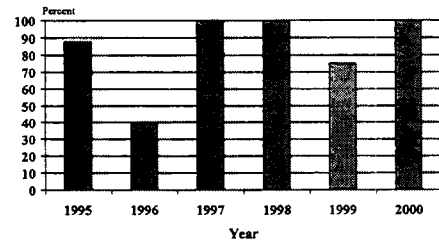
Percent health units reporting weekly on time Uruguay, 1995-2000



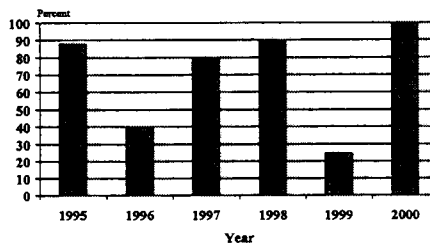
Annual AFP reporting rate Uruguay, 1995-2000



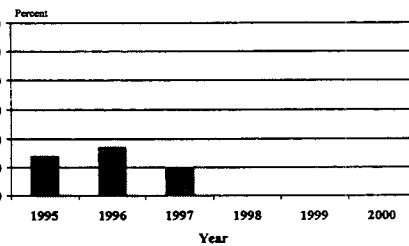
AFP cases investigated within 48 hours of report Uruguay, 1995-2000



AFP cases with adequate stool specimens Uruguay, 1995-2000



Percent of enterovirus isolation Uruguay, 1995-2000



AFP SURVEILLANCE

Country:	Venezuela
Population:	24,170,000
Population <1 year old 1999:	522,702
Population <15 year old/100,000 2000:	81.78
Year last wild poliovirus isolation:	1989

AFP INDICATORS

Criteria	Year					
	1995	1996	1997	1998	1999	2000
#of reported cases	106	156	187	71	94	114
Rate per 100,000 population <15 years old	1.34	1.95	1.82	0.69	1.15	1.39
% of sites reporting on time	86	88	84	85	84	88
% cases investigated <48 hours	79	74	82	82	80	96
% of cases with adequate stool specimen	95	93	94	79	91	91

OPV 3 Coverage

	Year					
	1995	1996	1997	1998	1999	2000
OPV3 National Coverage <1 year old	85	73	73	64	82	87
# of National Immunization Campaigns	2	2	2	2	2	1
% of municipalities coverage < 80%*	44	51	70	72	55	63

* 1998 <90% *1999-2000 <95%

Case distribution by classification

	Year					
	1995	1996	1997	1998	1999	2000
Probable	0	0	0	0	0	1
Discarded	106	156	187	71	94	113
Confirmed	0	0	0	0	0	0
Compatible	0	0	0	0	0	0

Percentage of cases with specimens

	Year					
	1995	1996	1997	1998	1999	2000
Reported cases	106	156	187	71	94	114
Cases with sample	106	155	187	61	94	114
Proportion of cases with specimens (%)	100	99	100	86	100	100

Status of stool specimens

	Year					
	1995	1996	1997	1998	1999	2000
Positive for any virus	34	53	21	15	8	13
Negative for any virus	164	171	177	48	89	101
<i>Lost</i>	13	2	5	0	0	0
<i>Bad</i>	0	0	0	0	0	0
<i>Contaminated</i>	1	1	0	0	0	0
<i>Pending</i>	0	0	0	0	0	0

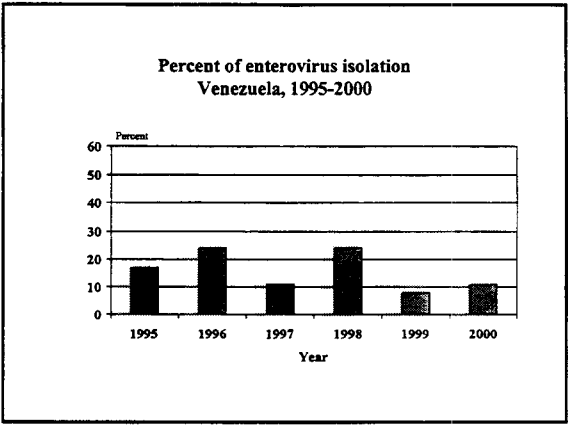
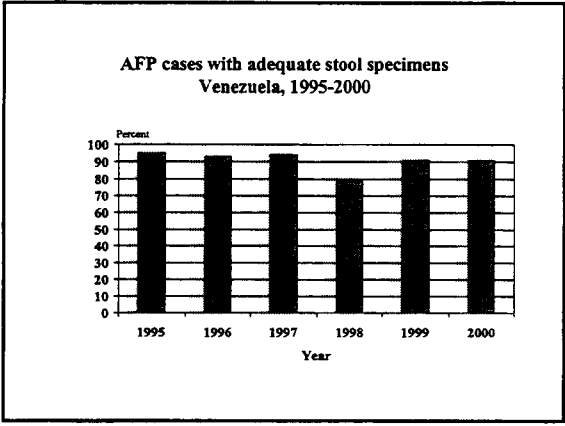
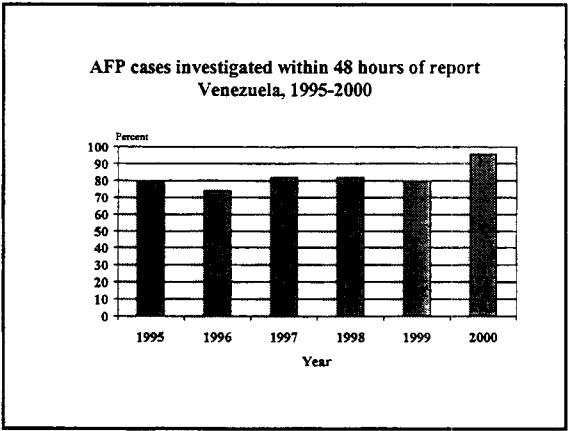
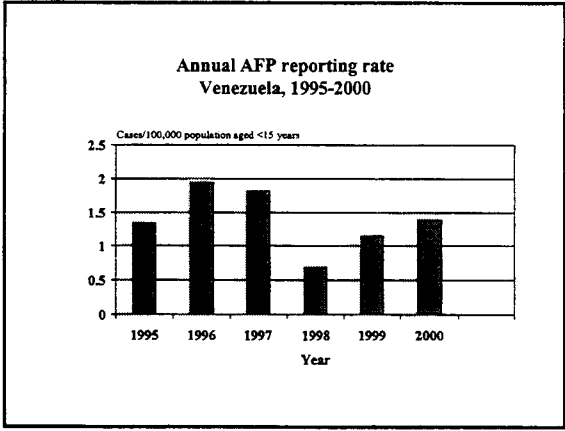
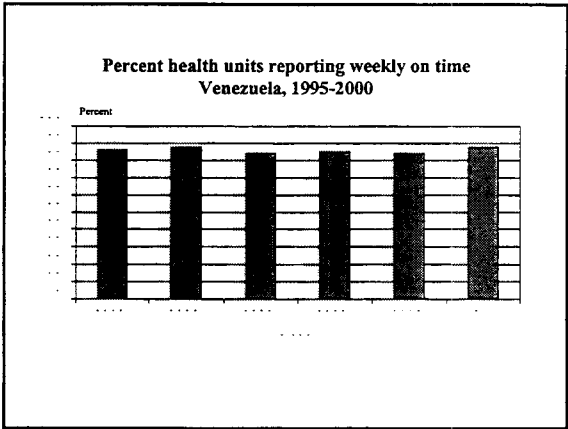
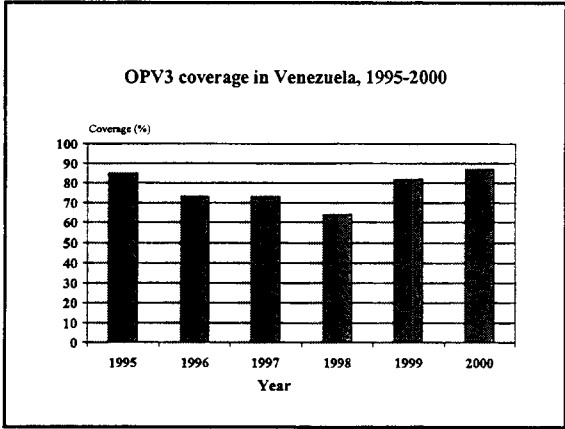
<i>Not processed</i>	5	3	0	3	0	0
Total without result	19	6	5	3	0	0
Total # of specimens	217	230	203	66	97	114
% of enterovirus isolation	17	24	11	24	8	11

Type of virus isolated

	Year					
	1995	1996	1997	1998	1999	2000
Poliovirus 1						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	0	1	0	0	0	0
<i>Wild</i>	0	0	0	0	0	0
Poliovirus 2						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	0	0	0	0	0	0
<i>Wild</i>	0	0	0	0	0	0
Poliovirus 3						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	0	0	0	0	0	0
<i>Wild</i>	0	0	0	0	0	0
Mixed						
<i>Non-characterized</i>	0	0	0	0	0	0
<i>Vaccine</i>	0	0	0	0	0	0
<i>Wild</i>	0	0	0	0	0	0
Other	34	52	21	15	8	13
Total	34	53	21	15	8	13

Source: country reports/PESS:02/15/2001

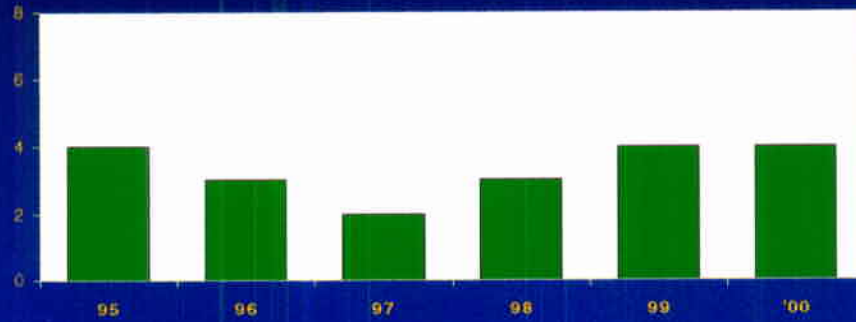
2000 provisional data



SECTION 7

VACCINE-ASSOCIATED PARALYTIC POLIOMYELITIS

VAPP Cases by year American Region, 1995 - 2000

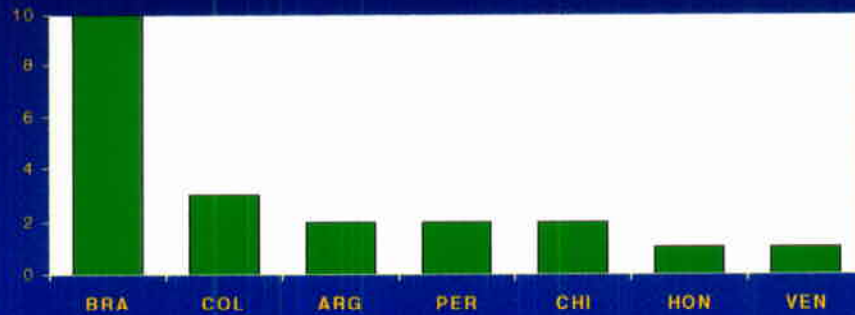


Total: 20 cases

Source: PAHO



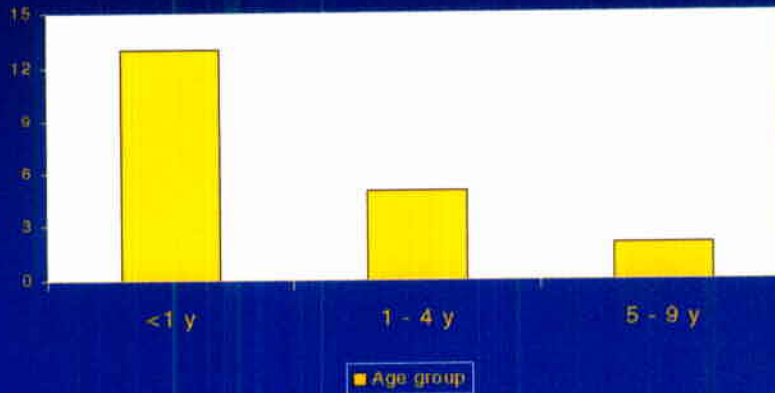
VAPP Cases by Country American Region, 1995 - 2000



Source: PAHO



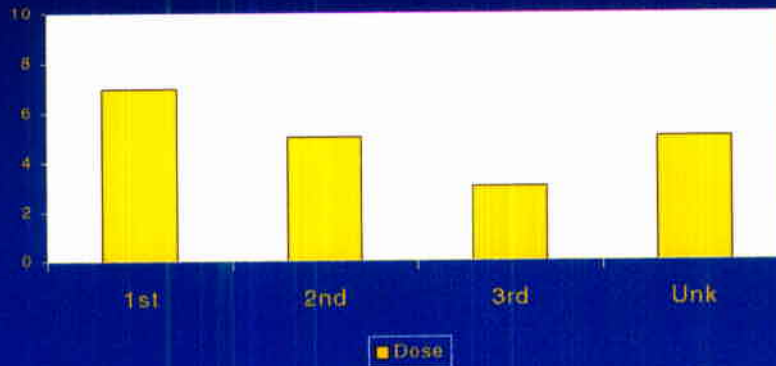
VAPP Cases by age group American Region, 1995-2000



Source: PAHO



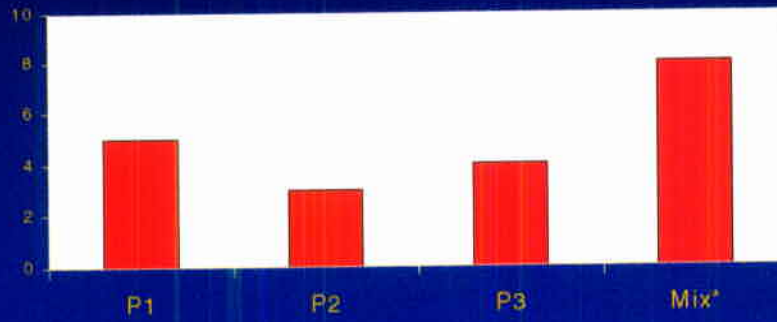
VAPP Cases by dose American Region, 1995-2000



Source: PAHO



VAPP Cases by virus isolated American Region, 1995-2000



* P1 (3), P2 (6), P3 (6).
Source: PAHO

