

COMMUNICABLE DISEASE CENTER

POLIOMYELITIS

SURVEILLANCE

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This report presents a summary of provisional data reported to CDC from State Health Departments, Virology Laboratories, Epidemic Intelligence Service Officers, and other pertinent sources.

SPECIAL NOTE:

Much of the information in this report is preliminary and is intended primarily for the use of those with responsibility for disease control activities. Anyone desiring to quote any part of this report is urged to consult the original investigator for confirmation and interpretation.

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Year	1957	1958	1959	1960	1961
Total	188	138	173	602	143
Paralytic	372	793	1021	425	164

SUMMARY

The number of reported cases of poliomyelitis continued its seasonal decline during the week ending November 11, 1961. No further decline occurred during the week ending November 18, 1961. The number reported remains at record low levels. No case clusters have been noted.

A follow-up report is given on the rural outbreak of type III poliomyelitis in Newberry County, South Carolina. The single case which has occurred since the community vaccination with type III oral poliovaccine is described in detail.

The tabulation of reported isolates of nonpolio enteroviruses is given in Section 5. Coxsackie B-5 remains the most frequently isolated type reported this year.

A report on the poliomyelitis situation in England and Wales has been submitted by Dr. Reimert T. Ravenholt of the Division of Foreign Quarantine in Europe and is presented in Section 6.

1. CURRENT POLIOMYELITIS MORBIDITY TRENDS

A total of 30 cases, 23 paralytic, was reported for the forty-sixth week ending November 18, 1961. The week ending November 11, 1961, had a similar number with 29 total cases, 23 paralytic, while the forty-sixth week of 1960 showed 60 total cases, 46 paralytic.

Case clusters are singularly absent. Only three States reported over two cases: New York reported 9, Michigan 4, and Louisiana 3. Each case in these States had origin in a different county or parish.

The one case reported from South Carolina came from Newberry County, earlier the scene of a Type III poliomyelitis outbreak and scene of a mass immunization with Type III oral poliovirus vaccine. Further details will be given in Section 2.

The incidence of poliomyelitis during the past six weeks has followed the cumulative low total incidence. This is illustrated in the following tables.

Six Week Totals (41st through 46th Week) for Past Five Years

	<u>1961</u>	<u>1960</u>	<u>1959</u>	<u>1958</u>	<u>1957</u>
Paralytic	164	426	1021	793	332
Total	243	605	1372	1381	589

Cumulative Cases of Poliomyelitis 41st Through 46th Week
for Past Five Years

	<u>1961</u>	<u>1960</u>	<u>1959</u>	<u>1958</u>	<u>1957</u>
Paralytic	797	2101	5310	2790	2020
Total	1228	3025	8029	5520	5692

2. REPORTS

South Carolina

On October 19th and October 20, 1961, 25,000 doses of type III oral poliovirus vaccine were administered to 21, 187 persons in Newberry County, South Carolina. Ninety-two percent of the white population and 88 percent of the Negro population under forty in this rural county received the agent. All of the vaccine was used.

At the time of the immunization 21 cases had been recognized in the county. Seventeen of these had been paralytic and two deaths had occurred. Sixteen of the 21 cases had followed the opening of school in September. Only three cases of poliomyelitis had occurred in the white population.

Since the immunization campaign three additional cases have been associated with this outbreak, two of the three having onset prior to the campaign. A line listing of these three cases is given below showing onset of illness and paralytic status.

<u>Case #</u>	<u>Initials</u>	<u>Age</u>	<u>Race</u>	<u>Sex</u>	<u>Onset</u>	<u>Inactivated Vaccine</u>	<u>Paralytic Status</u>
22	E. A.	17	N	M	9/22	2	NP
23	C. A.	21	W	M	10/16	0	P
24	W. S.	7	N	F	10/23	0	P

The second case reported above resides in Columbus, Georgia, but visited Newberry, South Carolina, on September 30 and October 7, 1961. The third case represents the only case reported after the vaccination campaign and is the case included in the telegraphic report this week. She received the oral poliovaccine four days before onset of clinical illness.

The onset of cases since September now assumes the following distribution:

	<u>Week Ending</u>								
	<u>9/2</u>	<u>9/9</u>	<u>9/16</u>	<u>9/23</u>	<u>9/30</u>	<u>10/7</u>	<u>10/14</u>	<u>10/21</u>	<u>10/28</u>
Paralytic	1	1	3	3*	3	2	0	2*	1
Nonparalytic	0	0	0	2	0	1	0	0	0

* Denotes one fatal case.

3. 1961 POLIOMYELITIS REPORTED TO PSU

A. Poliomyelitis Surveillance Case Records

Through November 18, there have been 991 cases of poliomyelitis with onset in 1961 submitted on individual case forms to the Poliomyelitis Surveillance Unit. Of the 993 cases, 720 (73 percent) are paralytic, 230 nonparalytic and 41 unspecified as to paralytic status. These cases are presented below in Table 3 by paralytic status, age group and vaccination history.

Table 3A

POLIOMYELITIS CASES BY PARALYTIC STATUS, AGE GROUP
AND VACCINATION HISTORY REPORTED ON PSU FORMS
(Through November 18, 1961)

Age Group	Paralytic						TOTAL	Percent
	Doses of Vaccine							
	0	1	2	3	4+	Unk		
0-4	155	25	22	30	22	18	272	37.8
5-9	53	10	16	38	33	6	156	21.7
10-14	23	5	13	17	21	4	83	11.5
15-19	13	1	6	15	3	2	40	5.6
20-29	53	5	6	12	4	2	82	11.4
30-39	39	5	4	3	3	7	61	8.5
40+	20	0	0	1	1	4	26	3.6
TOTAL	356	51	67	116	87	43	720	100.0
PERCENT DOSES	52.6	7.5	9.9	17.1	12.9	-	100.0	

Age Group	Nonparalytic						TOTAL	Percent
	Doses of Vaccine							
	0	1	2	3	4+	Unk		
0-4	17	2	9	8	4	2	42	18.3
5-9	11	0	7	16	27	4	65	28.3
10-14	3	3	6	15	15	5	47	20.4
15-19	3	0	4	5	6	1	19	8.3
20-29	8	0	5	14	8	4	39	16.9
30-39	10	0	0	4	1	1	16	6.9
40+	0	0	0	0	2	0	2	0.9
TOTAL	52	5	31	62	63	17	230	100.0
PERCENT DOSES	24.4	2.3	14.6	29.1	29.6	-	100.0	

B. Poliovirus Isolations

Of the 991 cases reported to PSU, laboratory reports of attempted viral isolation have been received on 333 cases. Seventy-four percent (245 out of 333) have yielded a poliovirus isolation with the numbers of type I and type III isolations approximately equal. Of the 245 poliovirus isolation reported, 129 were type I, and 114 were type III. There have

been two type II isolations. The isolations are shown below by state.

New York and Louisiana continue to account for one-half of the type I isolations; one-half of the type III isolations are from four states: Maryland, South Carolina, Georgia and Washington.

Table 3B
POLIOVIRUS ISOLATIONS BY STATE*

State	Type I	Type II	Type III	TOTAL
Alabama	-	-	7	7
Arkansas	3	-	-	3
California	6	-	3	9
Connecticut	3	-	-	3
Dist. of Col.	-	-	3	3
Florida	4	-	3	7
Georgia	1	-	9	10
Hawaii	2	-	-	2
Idaho	2	1	2	5
Indiana	2	-	-	2
Kentucky	-	-	1	1
Louisiana	26	-	6	32
Maryland	-	-	26	26
Minnesota	1	-	1	2
Mississippi	7	-	2	9
Missouri	1	-	-	1
New Hampshire	-	-	1	1
New Jersey	3	-	4	7
New York	39	-	1	40
North Carolina	-	-	2	2
Ohio	5	-	-	5
Oregon	1	-	2	3
Pennsylvania	9	-	6	15
Rhode Island	1	-	-	1
South Carolina	1	-	17	18
Tennessee	2	-	1	3
Texas	1	-	-	1
Utah	-	-	1	1
Vermont	5	-	-	5
Virginia	-	-	2	2
Washington	1	-	10	11
West Virginia	1	-	-	1
Wisconsin	2	1	4	7
TOTAL	129	2	114	245
PERCENT	52.7	0.8	46.5	100.0

* From cases reported on PSU forms through November 18.

4. ROUTINE POLIOMYELITIS SURVEILLANCE

A. Cases with Onset Within 30 Days of Vaccination (Inactivated)

Two cases of poliomyelitis, one paralytic, with onset within 30 days of receiving inactivated vaccine (IPV) have been reported to the Poliomyelitis Surveillance Unit during the two week period ending November 18. This brings the 1961 total of IPV under-30-day cases to 23, of which 16 are paralytic (two correlated).

The paralytic case reported was a 31 year old male from Howard County, Maryland. This patient was inoculated in the arm on October 2 and had paralysis in the lower extremity with first symptoms on October 28.

The under-30-day case reported from Virginia in PSU Report No. 246 received vaccine after onset of symptoms and has been deleted from the list of under-30-day cases.

B. Cases With Onset Within 30 Days of Vaccination (Oral)

One case of nonparalytic poliomyelitis with onset within 30 days of receiving oral vaccine (OPV) has been reported to the Poliomyelitis Surveillance Unit during the two week period ending November 18. This case, an eight year old male from Onondaga County, New York, was fed Type I oral vaccine on 8-31-61 and had onset of symptoms on 9-23-61.

This brings the 1961 total of OPV under-30-day cases to 29, of which 22 are paralytic.

5. ENTEROVIRUS SURVEILLANCE

To date a total of 915 nonpolio enterovirus isolates has been reported to the Poliomyelitis Surveillance Unit. Throughout the nation Coxsackie B-5 continues to predominate accounting for 55 percent of all isolates. Also, a sizable number of ECHO 11 isolates has been reported by the Minnesota State Laboratories; no localized outbreaks or family concentrations have been noted, however.

Non-Polio Enterovirus Isolations from 1961 Specimens

State	ECHO*	Coxsackie				Total	Reported By
		B-2	B-4	B-5	Other and Unsp.		
Alabama	1	-	-	2	3	6	W. Smith & T. Hosty
Arkansas	-	1	-	-	-	1	CDC Virus Reference Unit
California	7	5	1	6	3	22	E. Lennette
Colorado	3	-	-	2	-	5	C. Mollohan
Connecticut	1	1	30	16	1	49	G. D. Hsiung, G. Borman & J. Hart
D. C.	-	-	-	-	1	1	W. Wooldridge
Florida	1	-	-	1	-	2	J. Bond

Non-Polio Enterovirus Isolations from 1961 Specimens (Cont'd)

State	ECHO*	Coxsackie				Other and Unsp.	Total	Reported By
		B-2	B-4	B-5				
Georgia	-	-	4	-	-	4	W. Murphy	
Hawaii	4	-	1	-	8	13	K. Wilcox	
Idaho	-	-	-	6	-	6	D. Brock	
Illinois	25	3	-	36	3	67	H. Shaughnessy	
Iowa	-	-	-	2	-	2	R. Herren & T. Chin	
Kansas	4	2	-	24	2	32	C. Hunter	
Kentucky	1	-	-	-	-	1	CDC Virus Reference Unit	
Louisiana	4	-	2	-	-	6	J. Bruce & G. Hauser	
Maryland	2	1	3	28	-	34	C. Perry & C. Silverman	
Mass.	3	2	4	34	10	53	R. MacCready, T. Chang & J. Enders	
Michigan	-	-	1	5	1	7	G. Agate	
Minnesota	75	15	3	50	3	146	H. Bauer	
Miss.	-	-	-	-	1	1	CDC Virus Reference Unit	
Missouri	-	-	-	1	-	1	I. Adams	
Montana	-	-	-	12	-	12	M. Soules	
N. H.	-	1	-	-	-	1	R. Miliner	
N. J.	3	-	12	57	1	73	M. Goldfield & W. Dougherty	
N. Y.	3	1	5	14	2	25	R. Albrecht	
N. C.	5	-	2	-	1	8	L. Maddry	
Ohio	10	-	5	20	2	37	L. Ey & C. Croft	
Oklahoma	-	-	-	7	1	8	F. Hassler	
Oregon	-	-	-	6	-	6	G. Brandon & M. Skinner	
Pennsylvania	-	-	1	84	-	85	K. Hummeler & I. Gratch	
Rhode Island	-	-	-	6	-	6	CDC Virus Reference Unit	
S. C.	-	-	2	-	-	2	G. McDaniel	
Tennessee	-	2	6	11	1	20	G. Cameron & C. Tucker	
Texas	18	10	-	3	1	32	G. Irons	
Utah	3	1	-	16	-	20	R. Fraser & A. Jenkins	
Virginia	-	-	-	27	-	27	W. Skinner	
Washington	-	55	-	7	-	62	K. Berquist & W. Giedt	
Wisconsin	8	-	1	19	4	32	A. Evans	
TOTAL	181	100	83	502	49	915		

* Specific types include sixty-six ECHO 11 in Minnesota; seventeen ECHO 9 in Texas, four in Ohio, three in California, two each in Louisiana, Massachusetts, Utah and Wisconsin, and one each in New Jersey and New York; three ECHO 19 in Colorado, two each in Kansas and Minnesota and one in California; five ECHO 10 in Illinois; four ECHO 1 in North Carolina. Other types reported include ECHO 2, 3, 5, 7, 11, 21, 22, and 25.

6. FOREIGN REPORTS - ENGLAND AND WALES

A report of poliomyelitis incidence in England and Wales, summarizing case morbidity through October 23, 1961, has been received from Reimert T. Ravenhold, M.D., Epidemiologic Consultant, Europe, Division of Foreign Quarantine. Included also is a preliminary report of the poliomyelitis outbreak in Hull, England.

"Since early July 1961 paralytic poliomyelitis has consistently occurred with greater frequency in England and Wales than during the corresponding weeks of 1960; but weekly occurrence (table) remained fairly uniform until mid-September. Since then, largely due to an outbreak of type I poliomyelitis in Hull, East Riding, Yorkshire, reported occurrence of paralytic poliomyelitis has increased significantly in England.

"The outbreak in Hull began about September 20, 1961 and has mounted rapidly, with 47 cases reported by October 19, 1961. In an attempt to check the outbreak a mass immunization program, utilizing attenuated type 2 oral vaccine produced by Pfizer Ltd. of Sandwich, Kent, was begun on October 17. An attempt is being made to feed the vaccine to the entire population of about 300,000 persons.

"Other earlier foci of poliomyelitis in England and Wales during 1961 have been Atherton (40.4 cases/100,000 pop.), Ipswich (29.7), West Bromwick (16.0), Bootle (15.7), Stafford (13.5), Port Talbot (12.3), Oldham (8.5) and Liverpool (7.8 cases/100,000).

"Also, thirteen paralytic cases of poliomyelitis have occurred in Sheffield from September 25 to October 22, and oral vaccine for that community has been requested from the Ministry of Health.

"Meanwhile, Salk vaccine has been in short supply in England, despite importation of 250,000 doses from Canada, and plans are being made for greater use of oral vaccine."

POLIOMYELITIS IN ENGLAND AND WALES*

<u>Month</u>	<u>Week</u>	<u>Paralytic Cases</u>	
		<u>1960</u>	<u>1961</u>
June	5/28 - 6/3	5	17
	6/4 - 6/10	4	15
	6/11 - 6/17	15	14
	6/18 - 6/24	7	10
	6/25 - 7/1	13	12
July	7/2 - 7/8	7	20
	7/9 - 7/15	5	8
	7/16 - 7/22	6	11
	7/23 - 7/29	7	22

POLIOMYELITIS IN ENGLAND AND WALES* (Continued)

<u>Month</u>	<u>Week</u>	<u>Paralytic Cases</u>	
		<u>1960</u>	<u>1961</u>
August	7/30 - 8/5	4	14
	8/6 - 8/12	7	19
	8/13 - 8/19	3	19
	8/20 - 8/26	10	14
	8/27 - 9/2	9	12
September	9/3 - 9/9	5	17
	9/10 - 9/16	13	24
	9/17 - 9/23	3	23
	9/24 - 9/30	12	28
October	10/1 - 10/7	14	35
	10/8 - 10/14	8	49
TOTAL	5/28 - 10/14	157	383

* From POLIOMYELITIS WEEKLY PROGRESS REPORT of the Ministry of Health.

7. ORAL POLIOVIRUS VACCINE PROGRAMS

Recently a tabular summary of all oral poliovirus vaccine programs conducted in the United States was presented in these pages (See PSU Report No. 245). Inadvertently, the continuing 1961 oral vaccine program in Cincinnati was omitted. In this program, 52,000 doses of Type I, and approximately 48,000 doses each of Types II and III vaccines were administered. In addition, a smaller trial in Atlanta, Georgia, accounting for 5,000 doses of Type I oral vaccine, was omitted.

Thus the corrected total amounts of vaccines administered in this country stand at 1,455,000 doses of Type I, 974,000 doses of Type II, and 1,305,000 doses of Type III.

(This surveillance report was prepared by the Poliomyelitis and Polio-like Diseases Surveillance Unit, Michael J. Regan, M.D., Chief, James A. Bryan, II, M.D. and Mr. Leo Morris, Statistician, with the assistance of Statistics Section, CDC.)

POLIOHEPATITIS IN ENGLAND AND WALES (Continued)

Weekly figures for England and Wales, 1952

Week ending	Number of cases	Number of deaths
August 1952	1730	875
August 26, 1952	875	438
September 9, 1952	875	438
September 23, 1952	875	438
October 7, 1952	875	438
October 21, 1952	875	438
November 4, 1952	875	438
November 18, 1952	875	438
December 2, 1952	875	438
December 16, 1952	875	438
December 30, 1952	875	438
TOTAL	10,925	5,463

From POLIOHEPATITIS WEEKLY PROGRESS REPORT of the Ministry of Health, 1952

7. ORAL POLIOVIRUS VACCINE PROGRAMS

Recently a tabular summary of all oral poliovirus vaccine programs conducted in the United States was presented in these pages (see ESU Report No. 242). Incidentally, the continuing 1951 oral vaccine program in Cincinnati was omitted. In this program, 33,000 doses of Type I, and approximately 88,000 doses each of Types II and III vaccines were administered. In addition, a smaller trial in Atlanta, Georgia, commencing for 5,000 doses of Type I oral vaccine, was omitted, as also is seen under the

Thus the corrected total amount of vaccine administered in this country stand at 1,452,000 doses of Type I, 974,000 doses of Type II, and 1,302,000 doses of Type III.

Year	Type I	Type II	Type III
1950	17	4	11
1951	41	14	41
1952	1,452	974	1,302
TOTAL	1,510	988	1,454

(This surveillance report was prepared by the Poliohepatitis and Polio-like Diseases Surveillance Unit, Michael J. Regan, M.D., Chief, James I. M.D., and Mr. Leo Morris, Stationer, with the assistance of Section, CDC.)

FIGURE 1

CURRENT U.S. POLIO INCIDENCE
 COMPARED WITH YEARS 1955-1960, April - December, by week

PROVISIONAL DATA SUPPLIED BY NATIONAL OFFICE OF VITAL STATISTICS
 AND COMMUNICABLE DISEASE CENTER

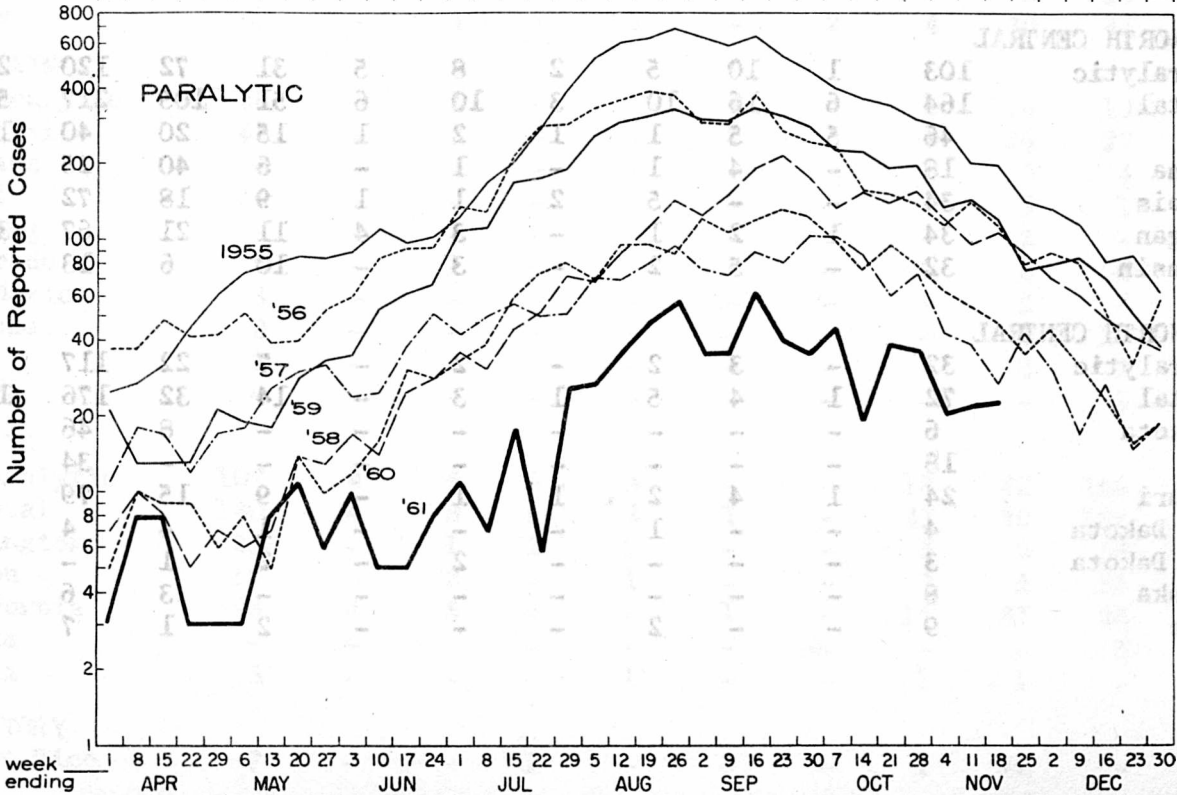
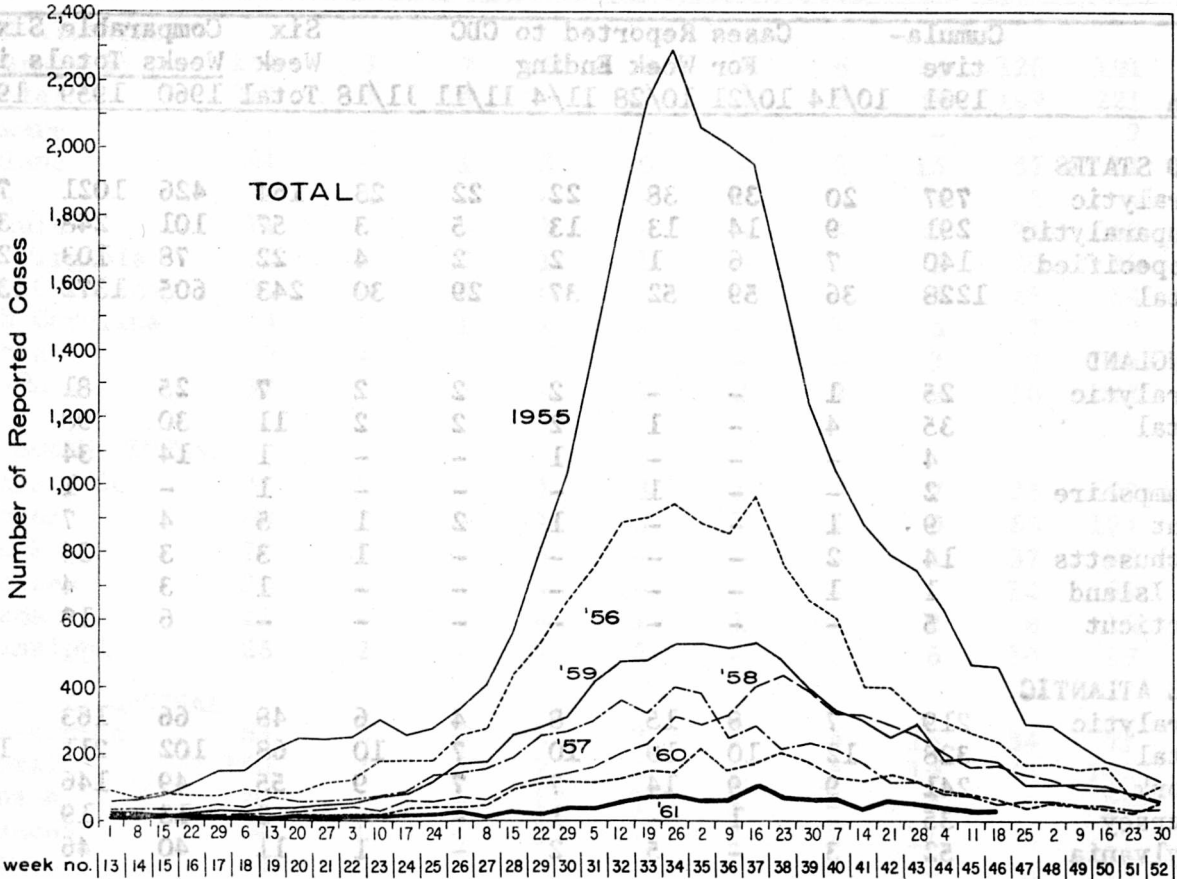


Table 1

TREND OF 1961 POLIOMYELITIS INCIDENCE

State and Region	Cumulative 1961	Cases Reported to CDC For Week Ending						Six Week Total	Comparable Six Weeks Totals in		
		10/14	10/21	10/28	11/4	11/11	11/18		1960	1959	1958
UNITED STATES											
Paralytic	797	20	39	38	22	22	23	164	426	1021	793
Nonparalytic	291	9	14	13	13	5	3	57	101	248	384
Unspecified	140	7	6	1	2	2	4	22	78	103	204
Total	1228	36	59	52	37	29	30	243	605	1372	1381
NEW ENGLAND											
Paralytic	25	1	-	-	2	2	2	7	25	81	15
Total	35	4	-	1	2	2	2	11	30	98	15
Maine	4	-	-	-	1	-	-	1	14	34	2
New Hampshire	2	-	-	1	-	-	-	1	-	1	-
Vermont	9	1	-	-	1	2	1	5	4	7	1
Massachusetts	14	2	-	-	-	-	1	3	3	34	4
Rhode Island	1	1	-	-	-	-	-	1	3	4	-
Connecticut	5	-	-	-	-	-	-	-	6	18	8
MIDDLE ATLANTIC											
Paralytic	219	7	8	15	8	4	6	48	66	163	88
Total	328	12	10	19	10	7	10	68	102	211	145
New York	241	9	9	14	7	7	9	55	49	146	72
New Jersey	35	-	1	-	1	-	-	2	13	19	46
Pennsylvania	52	3	-	5	2	-	1	11	40	46	27
EAST NORTH CENTRAL											
Paralytic	103	1	10	5	2	8	5	31	72	120	219
Total	164	6	16	10	3	10	6	51	105	217	532
Ohio	46	5	5	1	1	2	1	15	20	40	115
Indiana	18	-	4	1	-	1	-	6	40	25	39
Illinois	34	-	-	5	2	1	1	9	18	72	53
Michigan	34	1	2	1	-	3	4	11	21	67	310
Wisconsin	32	-	5	2	-	3	-	10	6	13	15
WEST NORTH CENTRAL											
Paralytic	32	-	3	2	-	2	-	7	22	117	68
Total	72	1	4	5	1	3	-	14	32	176	106
Minnesota	6	-	-	-	-	-	-	-	8	46	11
Iowa	18	-	-	-	-	-	-	-	-	34	5
Missouri	24	1	4	2	1	1	-	9	15	79	61
North Dakota	4	-	-	1	-	-	-	1	4	4	5
South Dakota	3	-	-	-	-	2	-	2	1	-	6
Nebraska	8	-	-	-	-	-	-	-	3	6	12
Kansas	9	-	-	2	-	-	-	2	1	7	6

Table 1 (Continued)

State and Region	Cumulative 1961	Cases Reported to CDC For Week Ending						Six Week Total	Comparable Six Weeks Totals in		
		10/14	10/21	10/28	11/4	11/11	11/18		1960	1959	1958
SOUTH ATLANTIC											
Paralytic	154	3	7	8	2	2	6	28	126	191	116
Total	211	4	14	8	11	2	6	45	149	221	189
Delaware	2	-	-	-	-	-	-	-	-	2	7
Maryland	41	-	1	3	9	-	2	15	57	12	11
D. C.	3	1	-	-	-	-	-	1	5	-	-
Virginia	11	-	-	1	-	-	-	1	21	50	41
West Virginia	32	1	5	1	1	-	1	9	20	36	56
North Carolina	21	-	4	-	-	-	-	4	16	64	13
South Carolina	34	2	1	1	-	-	1	5	7	9	8
Georgia	30	-	-	2	-	-	-	2	7	26	17
Florida	37	-	3	-	1	2	2	8	16	22	36
EAST SOUTH CENTRAL											
Paralytic	48	2	-	1	3	1	-	7	25	97	65
Total	83	3	-	1	3	1	1	9	69	124	96
Kentucky	27	1	-	-	-	-	-	1	37	25	30
Tennessee	20	-	-	-	-	-	-	-	14	61	28
Alabama	11	-	-	-	1	1	-	2	8	19	17
Mississippi	25	2	-	1	2	-	1	6	10	19	21
WEST SOUTH CENTRAL											
Paralytic	83	2	5	1	2	2	4	16	34	71	115
Total	150	2	5	2	3	2	5	19	43	102	144
Arkansas	20	1	-	1	1	1	-	4	7	25	7
Louisiana	54	1	4	1	1	1	3	11	3	17	13
Oklahoma	4	-	-	-	-	-	-	-	3	16	5
Texas	72	-	1	-	1	-	2	4	30	44	119
MOUNTAIN											
Paralytic	26	-	1	-	-	1	-	2	14	13	18
Total	45	-	2	-	-	1	-	3	26	27	42
Montana	4	-	1	-	-	-	-	1	5	4	5
Idaho	14	-	-	-	-	-	-	-	5	1	1
Wyoming	-	-	-	-	-	-	-	-	2	-	8
Colorado	8	-	1	-	-	1	-	2	6	4	3
New Mexico	3	-	-	-	-	-	-	-	2	4	12
Arizona	8	-	-	-	-	-	-	-	4	10	11
Utah	8	-	-	-	-	-	-	-	2	3	1
Nevada	-	-	-	-	-	-	-	-	-	1	1
PACIFIC											
Paralytic	107	4	5	6	3	-	-	18	42	168	89
Total	140	4	8	6	4	1	-	23	49	196	112
Washington	25	-	1	2	2	-	-	5	6	58	12
Oregon	17	-	2	-	1	-	-	3	5	34	4
California	93	4	5	4	-	1	-	14	37	96	88
Alaska	-	-	-	-	-	-	NR	-	-	8	-
Hawaii	5	-	-	-	1	-	-	1	1	-	8
TERRITORY											
Puerto Rico	7	-	-	1	-	-	-	1	32	-	2

Table 1 (Continued)

State and District	Cases Reported to CDC		Six-Week Totals in 1969		Six-Week Totals in 1968	
	1969	1968	1969	1968	1969	1968
ALABAMA	11	11	14	14	14	14
ALASKA	1	1	1	1	1	1
ARIZONA	8	8	10	10	10	10
ARKANSAS	20	20	37	37	37	37
CALIFORNIA	93	93	14	14	14	14
CENTRAL DISTRICT	107	107	18	18	18	18
CONNECTICUT	1	1	1	1	1	1
DELAWARE	2	2	2	2	2	2
FLORIDA	37	37	16	16	16	16
GEORGIA	30	30	7	7	7	7
HAWAII	1	1	1	1	1	1
ILLINOIS	17	17	3	3	3	3
INDIANA	4	4	3	3	3	3
IOWA	1	1	1	1	1	1
KANSAS	20	20	7	7	7	7
KENTUCKY	27	27	37	37	37	37
LOUISIANA	84	84	11	11	11	11
MAINE	1	1	1	1	1	1
MARYLAND	41	41	12	12	12	12
MASSACHUSETTS	1	1	1	1	1	1
MICHIGAN	1	1	1	1	1	1
MINNESOTA	1	1	1	1	1	1
MISSISSIPPI	25	25	10	10	10	10
MISSOURI	1	1	1	1	1	1
MONTANA	1	1	1	1	1	1
NEBRASKA	1	1	1	1	1	1
NORTH CAROLINA	34	34	7	7	7	7
NORTH DAKOTA	1	1	1	1	1	1
OHIO	12	12	3	3	3	3
OKLAHOMA	1	1	1	1	1	1
OREGON	1	1	1	1	1	1
PENNSYLVANIA	1	1	1	1	1	1
RHODE ISLAND	1	1	1	1	1	1
SOUTH CAROLINA	34	34	7	7	7	7
SOUTH DAKOTA	1	1	1	1	1	1
TENNESSEE	20	20	14	14	14	14
TEXAS	72	72	30	30	30	30
UTAH	1	1	1	1	1	1
VIRGINIA	32	32	20	20	20	20
WASHINGTON	25	25	6	6	6	6
WEST VIRGINIA	11	11	1	1	1	1
WISCONSIN	1	1	1	1	1	1
WYOMING	1	1	1	1	1	1
PRINCIPAL TOTAL	140	140	23	23	23	23
PARATYPICAL	107	107	45	45	45	45
GRAND TOTAL	247	247	68	68	68	68