



# POLIOMYELITIS SURVEILLANCE REPORT

FOR ADMINISTRATIVE USE

REPORT NO. 201

July 8, 1960

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### SPECIAL NOTE

This report is intended for the information and administrative use of those involved in the investigation and control of poliomyelitis and polio-like diseases. It presents a summary of provisional information reported to CDC from State Health Departments, the National Office of Vital Statistics, Virology Laboratories, Epidemic Intelligence Service Officers, and other pertinent sources. Since much of the information is preliminary in nature, confirmation and final interpretation should be determined in consultation with the original investigators prior to any further use of the material.

SUMMARY

The national incidence of poliomyelitis, both total and paralytic cases, has increased slightly, but continues to remain below expectations.

Brief reports from Rhode Island and Puerto Rico are presented. The move to new CDC facilities has prevented a more detailed presentation of the poliomyelitis case occurrence at the present time. This will be described in greater detail in the next Poliomyelitis Surveillance Report.

1. CURRENT POLIOMYELITIS MORBIDITY TRENDS

A total of 44 cases, 35 paralytic, was reported to the National Office of Vital Statistics during the 25th week of 1960, ending July 2. This represents a slight increase over the 41 total cases, 28 paralytic, reported last week to NOVS. (See Table 1)

The 1960 cumulative total has now reached 476 cases, including 348 paralytic. This paralytic total remains lower than those for the comparable 26 weeks during the past four years with the exception of 1958. Considering the past six-week period only, (weeks 21 through 26) the 1960 paralytic total is below those for any recent year including 1958.

	<u>Total through 26th Week for Five Years</u>				
	<u>1960</u>	<u>1959</u>	<u>1958</u>	<u>1957</u>	<u>1956</u>
Paralytic	348	694	333	628	1,443
Total	476	1,026	644	1,413	2,715

The situation throughout the country remains the same as previously reported (PSU #200) with six-week totals higher than those for 1959 in Rhode Island, California and Illinois only. The eight cases reported from Illinois over the last three weeks are widely scattered. California still shows no signs of unusual concentration.

2. REPORTS

A. Rhode Island

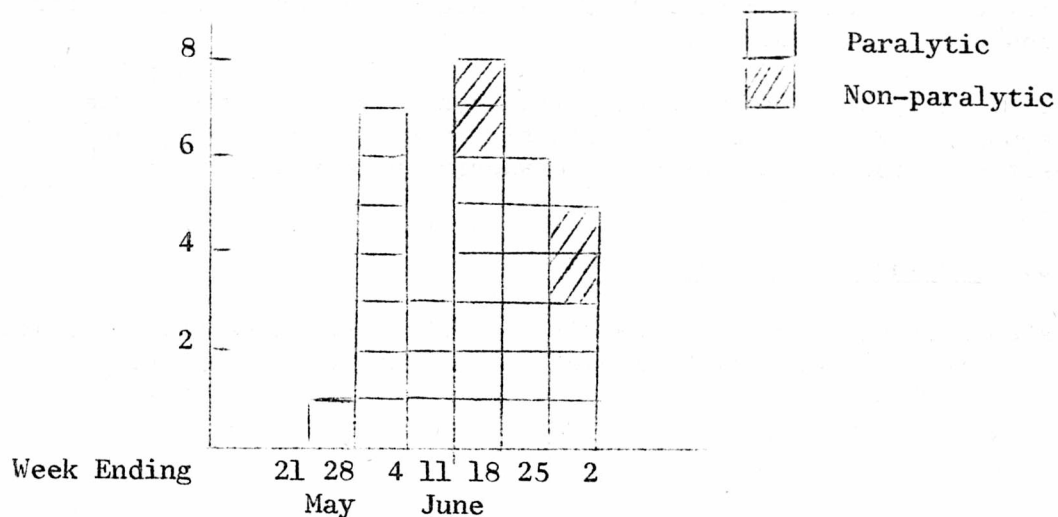
Dr. R. A. McAteer, Medical Director, Division of Communicable Diseases, Rhode Island Department of Health, reports a total of 30 cases, 26 paralytic, in the metropolitan Providence area through July 7, 1960. This represents an increase of 12 cases in the last two-week period. In addition to these 30 cases, Dr. Joseph Oren, Chief, Poliomyelitis Surveillance Unit, CDC, on the scene in Providence assisting Dr. McAteer, reports another 10 cases under investigation.

Only one of the 26 paralytic cases has received three or more inoculations of Salk vaccine while 15 are unvaccinated. The paralytic cases are presented by age group and immunization status as follows:

	<u>0V</u>	<u>1V</u>	<u>2V</u>	<u>3+V</u>	<u>Unk.</u>	<u>Total</u>
0-4	9	1	3	1	1	15
5-9	4	2	2	0	0	8
10-19	1	0	1	0	0	2
20+	1	0	0	0	0	1
Total	15	3	6	1	1	26

Dr. Andrew Fodor, Chief, Virus Diagnostic Unit, Communicable Disease Center, Chamblee, Georgia, reports that poliovirus has been isolated from 8 of 13 stool specimens submitted from Rhode Island cases. Presumptive tests indicate these isolates to be poliovirus Type I.

As stated previously, there is a high proportion of bulbar involvement (11 of 26 cases) among the paralytic cases. There has been one death. The cases are presented below by date of onset:



### B. Puerto Rico

Through July 6, 1960, Dr. Manuel Feliberti, Epidemiologist, Bureau of Communicable Disease Control, Puerto Rico Department of Health, reports the occurrence of 275 cases of poliomyelitis with onset in 1960. Of these 275 cases, 270 are paralytic. This represents an increase of 46 paralytic cases during the past two weeks.

Cases are still appearing throughout the island from the populous San Juan area to Mayaguez on the western coast. The third week in May, with a total of 25 paralytic cases, stands as the peak week as of this date. The vaccination status is now known for 193 paralytic cases. It is as follows:

	<u>0V</u>	<u>1V</u>	<u>2V</u>	<u>3V</u>	<u>Total</u>
No. of cases	157	11	15	10	193
Percent of total	81.3	5.7	7.8	5.2	100.0

### 3. 1960 POLIOMYELITIS CASES REPORTED TO PSU

Through July 1, there have been 242 cases of poliomyelitis with onset in 1960 reported to PSU on individual case forms. Of these cases, 181 or 75 percent are paralytic.

These cases will be presented by paralytic status, age group and vaccination history in the next PSU report.

### 4. ROUTINE POLIOMYELITIS SURVEILLANCE - 1960

#### A. Cases with Onset Within 30 Days of Vaccination

There has been one additional under 30-day case reported to the Polio Surveillance Unit during the two-week period ending July 1, 1960. This makes the fourth such case which has been reported during the first six months of the current year.

This case, which is nonparalytic, is a 36-year old male from Lawrence County, Pennsylvania. Vaccination was received on 5-21-60 with onset of symptoms on 6-1-60. The vaccine used was Lilly lot No. 9087-7490231.

#### B. Vaccine Distribution

A summary of current and cumulative data concerning vaccine released, shipped and inventoried will be presented in next week's report.

(This report was prepared by Mr. Leo Morris, Statistician, of the Poliomyelitis and Polio-like Diseases Surveillance Unit, with the assistance of Statistics Section, CDC.)

Table 1

## TREND OF 1960 POLIOMYELITIS INCIDENCE

State and Region	Cumula- tive 1960	Cases Reported to NOVS*						Six Week Total	Comparable Six Weeks Totals in:		
		For Week Ending							1959	1958	1957
		5-28	6-4	6-11	6-18	6-25	7-2				
UNITED STATES											
Paralytic	348	10	12	16	31	28	35	132	357	149	212
Nonparalytic	88	3	6	2	5	11	8	35	127	112	282
Unspecified	40	-	1	1	2	2	1	7	59	38	70
Total	476	13	19	19	38	41	44	174	543	299	564
NEW ENGLAND											
Paralytic	31	-	-	5	5	3	8	21	2	4	1
Total	34	-	-	5	5	3	11	24	2	4	5
Maine	6	-	-	-	-	1	-	1	-	-	-
New Hampshire	-	-	-	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-	-	1
Massachusetts	7	-	-	1	-	-	1	2	-	2	1
Rhode Island	21	-	-	4	5	2	10	21	2	-	-
Connecticut	-	-	-	-	-	-	-	-	-	2	3
MIDDLE ATLANTIC											
Paralytic	33	-	-	-	-	3	1	4	11	8	9
Total	47	-	-	-	1	4	1	6	16	14	19
New York	35	-	-	-	-	1	1	2	12	9	14
New Jersey	6	-	-	-	-	-	-	-	4	5	4
Pennsylvania	6	-	-	-	1	3	-	4	-	-	1
EAST NORTH CENTRAL											
Paralytic	21	-	-	-	5	-	3	8	22	5	9
Total	53	-	1	-	5	3	5	14	50	16	29
Ohio	20	-	1	-	1	-	-	2	15	1	7
Indiana	2	-	-	-	-	1	1	2	8	-	4
Illinois	14	-	-	-	3	1	4	8	3	7	7
Michigan	14	-	-	-	1	1	-	2	22	8	10
Wisconsin	3	-	-	-	-	-	-	-	2	-	1
WEST NORTH CENTRAL											
Paralytic	15	-	-	1	2	1	1	5	80	4	10
Total	28	-	1	2	3	5	1	12	141	14	34
Minnesota	13	-	-	-	2	2	1	5	4	-	1
Iowa	8	-	-	1	-	3	-	4	81	6	6
Missouri	4	-	-	1	-	-	-	1	24	1	12
North Dakota	-	-	-	-	-	-	-	-	-	-	-
South Dakota	1	-	-	-	-	-	-	-	1	1	3
Nebraska	-	-	-	-	-	-	-	-	21	5	8
Kansas	2	-	1	-	1	-	-	2	10	1	4

\* National Office of Vital Statistics: weekly figures reported by the states as of Wednesday of the specified week; cumulative figures include revisions and corrections.

Table I (Continued)

State and Region	Cumulative 1960	Cases Reported to NOVS For Week Ending						Six Week Total	Comparable Six Weeks Totals in:		
		5-28	6-4	6-11	6-18	6-25	7-2		1959	1958	1957
<b>SOUTH ATLANTIC</b>											
Paralytic	51	2	1	1	3	5	2	14	58	30	38
Total	63	3	1	1	4	5	3	17	76	67	79
Delaware	-	-	-	-	-	-	-	-	1	1	-
Maryland	1	-	-	-	-	-	-	-	-	-	4
D. C.	-	-	-	-	-	-	-	-	-	-	-
Virginia	-	-	-	-	-	-	-	-	12	8	7
West Virginia	6	1	-	-	-	-	2	3	6	5	3
North Carolina	18	-	1	1	-	1	1	4	14	11	12
South Carolina	7	1	-	-	3	1	-	5	4	2	29
Georgia	4	-	-	-	-	1	-	1	16	10	9
Florida	27	1	-	-	1	2	-	4	23	30	15
<b>EAST SOUTH CENTRAL</b>											
Paralytic	12	-	-	-	-	-	1	1	39	5	10
Total	15	1	-	-	1	-	1	3	54	22	61
Kentucky	8	1	-	-	1	-	-	2	4	5	5
Tennessee	1	-	-	-	-	-	-	-	14	8	27
Alabama	1	-	-	-	-	-	-	-	17	2	7
Mississippi	5	-	-	-	-	-	1	1	19	7	22
<b>WEST SOUTH CENTRAL</b>											
Paralytic	39	2	2	4	1	1	6	16	88	46	106
Total	61	3	7	5	1	4	8	28	129	94	229
Arkansas	4	-	-	-	-	-	2	2	22	3	12
Louisiana	18	2	4	1	-	-	3	10	23	8	32
Oklahoma	3	-	-	-	-	-	-	-	23	9	18
Texas	36	1	3	4	1	4	3	16	61	74	167
<b>MOUNTAIN</b>											
Paralytic	13	-	1	2	-	1	1	5	17	4	6
Total	23	-	1	3	1	1	1	7	28	10	25
Montana	10	-	-	3	-	1	-	4	2	2	-
Idaho	4	-	-	-	-	-	-	-	3	-	-
Wyoming	1	-	-	-	-	-	-	-	1	-	2
Colorado	2	-	-	-	-	-	1	1	1	2	5
New Mexico	2	-	-	-	1	-	-	1	7	3	8
Arizona	3	-	1	-	-	-	-	1	14	2	4
Utah	1	-	-	-	-	-	-	-	-	1	6
Nevada	-	-	-	-	-	-	-	-	-	-	-
<b>PACIFIC</b>											
Paralytic	133	6	8	3	15	14	12	58	40	43	23
Total	152	6	8	3	17	16	13	63	47	58	83
Alaska	2	1	-	1	-	-	-	2	-	-	-
Washington	7	-	-	-	-	-	-	-	4	2	-
Oregon	16	-	-	-	4	-	-	4	7	5	4
California	123	4	7	2	13	16	13	55	36	35	79
Hawaii	4	1	1	-	-	-	-	2	-	16	-
<b>TERRITORIES</b>											
Puerto Rico	267	18	20	25	36	31	24	154	-	5	1