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POLIOMYELITIS SURVEILLANCE REPORT
NO. 116 THIRD YEAR JULY 5, 1957

U.S. Department of Health, Education and Welfare
Public Health Service Bureau of State Services
Communicable Disease Center
Poliomyelitis Surveillance Unit
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Atlanta, Georgia

SPECIAL NOTE

The information in this report represents a factual summary of preliminary data reported to the Poliomyelitis Surveillance Unit from State Health Departments, Epidemic Intelligence Service Officers, participating laboratories and other pertinent sources. It is understood that the contents of these reports will not be released to the press, except by the Office of the Surgeon General, Public Health Service, U. S. Department of Health, Education and Welfare. State Health Officers, of course, are free to release any information they may wish concerning data from their state.

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I. Current Poliomyelitis Morbidity Trends

Total national poliomyelitis incidence has remained stable. A total of 142 cases was reported to the National Office of Vital Statistics for the week ending June 29, compared to 134 cases reported for the week of June 22. Figure 1 presents the national incidence by weeks for April to July of the years 1952 through 1957.

Incidence by states and regions for the past six weeks is presented in Table 1, with six-week totals for the comparable period of the past four years. A slight increase in incidence was reported in the North East, South East and South Central Regions. Of particular note were increases in Louisiana and Tennessee.

Dr. C. B. Tucker, State Epidemiologist, Tennessee State Department of Public Health, has reported that 12 of the 16 cases in the state are in Johnson City, a town of 28,000 persons. All of these cases are non-paralytic, suggesting the possibility that this may be a non-poliovirus infection. Dr. Lauri Thrupp is accompanying Dr. Tucker in a field investigation of this outbreak.

II. Routine Poliomyelitis Surveillance

During the week June 26 through July 3, the Polio Surveillance Unit received reports of three poliomyelitis cases occurring within 30 days of a polio vaccine inoculation in 1957. Of these three cases, one was paralytic and two nonparalytic.

The paralytic case, Texas-154, developed symptoms 29 days after an inoculation in the arm with Lilly vaccine, an unknown lot number. Paralysis was in the right leg.

Iowa reported a triply-vaccinated nonparalytic case inoculated with Lilly vaccine lot number 676305, one million cc's distributed during May and June, 1956. PSU has received reports of five other nonparalytic and three uncorrelated paralytic cases in association with this lot. Texas reported one nonparalytic case with onset of symptoms five days following inoculation, vaccine manufacturer and lot number unknown.

III. Vaccine Distribution

Table 2 presents a summary of current and cumulative shipments of vaccine (in 1000's of cc's of net bottled vaccine). Excluding export, 3.5 million cc's were shipped during the first three weeks of June.

The Vaccine Inventory on June 21, 1957, totaled 8.5 million cc's including vaccine unshipped by manufacturers and vaccine on hand in State and Local Health Departments, Physicians' Offices and in Commercial Channels.

(This report was prepared by Dr. A. D. Langmuir and Miss Helen Forester with assistance from the Statistics Section, CDC)

Fig. 1

CURRENT U.S. POLIO INCIDENCE COMPARED WITH YEARS 1952-1956

DATA PROVIDED BY NATIONAL OFFICE OF VITAL STATISTICS

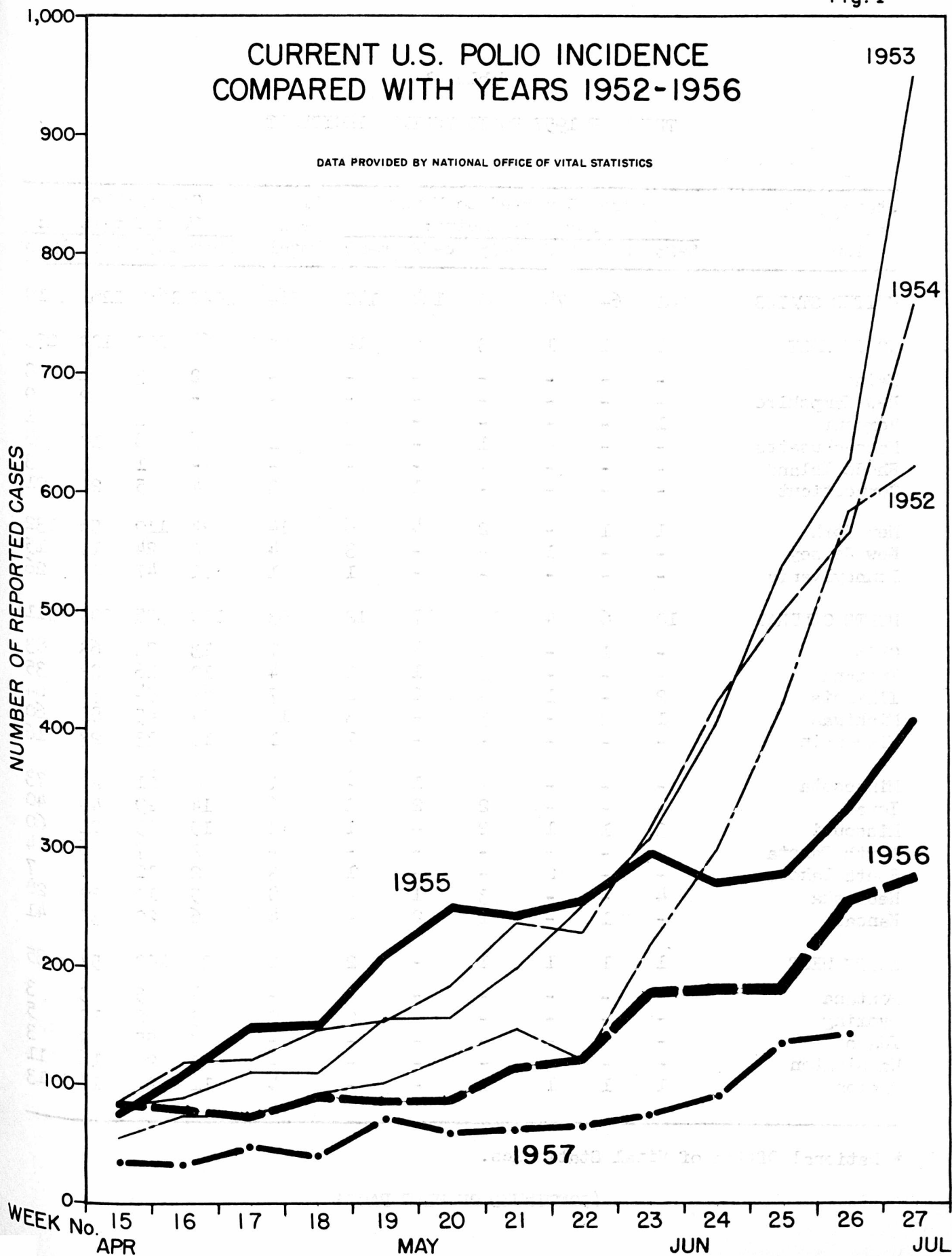


Table 1

TREND OF 1957 POLIOMYELITIS INCIDENCE

State and Region	Cases Reported to NOV5* for Week Ending:						Six Week Total	Comparable Six Week Totals in:			
	5-25	6-1	6-8	6-15	6-22	6-29		1956	1955	1954	1953
UNITED STATES	61	64	74	89	134	142	564	1027	1667	2261	2319
NORTH EAST	2	1	1	3	5	12	24	68	200	129	233
Maine	-	-	-	-	-	-	-	2	3	2	8
New Hampshire	-	-	-	-	-	-	-	-	-	2	9
Vermont	1	-	-	-	-	-	1	1	2	1	1
Massachusetts	-	-	-	1	-	-	1	6	8	10	18
Rhode Island	-	-	-	-	-	-	-	-	1	1	3
Connecticut	-	-	-	-	1	2	3	4	5	21	21
New York	1	1	-	2	4	6	14	34	110	56	132
New Jersey	-	-	1	-	-	3	4	10	24	15	15
Pennsylvania	-	-	-	-	-	1	1	11	47	21	26
NORTH CENTRAL	10	6	4	14	17	12	63	190	335	399	511
Ohio	-	1	-	2	4	-	7	13	73	63	83
Indiana	-	-	-	1	1	2	4	10	16	23	35
Illinois	2	-	1	-	2	2	7	68	54	39	64
Michigan	1	3	-	3	-	3	10	24	45	88	60
Wisconsin	-	-	-	-	-	1	1	19	33	23	16
Minnesota	-	-	-	-	1	-	1	8	21	20	73
Iowa	-	-	-	2	2	2	6	14	29	40	40
Missouri	3	1	1	2	4	1	12	19	15	21	60
North Dakota	-	-	-	-	-	-	-	2	7	6	4
South Dakota	-	-	2	-	-	1	3	2	12	4	7
Nebraska	4	-	-	3	1	-	8	5	10	39	28
Kansas	-	1	-	1	2	-	4	6	20	33	41
NORTH WEST	1	1	1	1	-	2	6	34	109	57	35
Montana	-	-	-	-	-	-	-	4	5	3	3
Wyoming	-	-	-	-	-	2	2	3	2	17	5
Idaho	-	-	-	-	-	-	-	7	55	3	3
Washington	-	-	-	-	-	-	-	9	23	16	11
Oregon	1	1	1	1	-	-	4	11	24	18	13

* National Office of Vital Statistics.

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Table 1 (Continued)

State and Region	Cases Reported to NOV5* for Week Ending:						Six Week Total	Comparable Six Week Totals in:			
	5-25	6-1	6-8	6-15	6-22	6-29		1956	1955	1954	1953
SOUTH EAST	10	5	16	17	34	36	118	147	313	480	576
Delaware	-	-	-	-	-	-	-	2	12	2	3
Maryland	-	-	-	-	4	-	4	9	24	3	12
D. C.	-	-	-	-	-	-	-	1	5	1	6
Virginia	1	2	1	-	3	-	7	16	27	22	34
West Virginia	-	-	1	1	-	1	3	3	10	14	22
North Carolina	3	-	2	2	4	1	12	13	22	28	109
South Carolina	2	2	3	5	10	7	29	12	22	40	17
Georgia	1	-	-	3	2	3	9	9	23	89	76
Florida	1	-	6	2	1	5	15	55	83	179	60
Kentucky	-	1	-	3	1	-	5	12	29	23	37
Tennessee	-	-	1	1	9	16	27	8	20	26	59
Alabama	2	-	2	-	-	3	7	7	36	53	141
SOUTH CENTRAL	19	42	32	39	55	64	251	345	443	750	673
Mississippi	-	3	3	1	12	3	22	22	42	72	81
Arkansas	-	2	-	-	6	4	12	4	24	50	45
Louisiana	1	4	5	6	4	12	32	80	70	95	93
Oklahoma	-	1	4	2	5	6	18	26	16	64	96
Texas	18	32	20	30	28	39	167	213	291	469	358
SOUTH WEST	19	9	20	15	23	16	102	243	267	446	291
Colorado	2	1	2	-	-	-	5	8	24	26	23
New Mexico	1	-	2	1	4	-	8	7	15	10	10
Arizona	-	2	1	-	-	1	4	11	13	26	20
Utah	4	-	-	1	-	1	6	5	7	11	9
Nevada	-	-	-	-	-	-	-	1	23	9	-
California	12	6	15	13	19	14	79	211	185	364	229
TERRITORIES											
Alaska	-	-	-	-	-	-	-	2	1	12	4
Hawaii	-	-	-	-	-	-	-	2	8	52	7
Puerto Rico	-	-	1	-	-	-	1	13	41	-	4

* National Office of Vital Statistics.

Table 2

Poliomyelitis Vaccine Shipment Summary

(Reports from Polio Vaccine Activity, BSS, USPHS, through 6-28-57)

Vaccine Shipments (in 1000's of cc's)

<u>Period</u>	NFIP***- <u>Sponsored Clinics</u>	<u>Public Agencies</u>	<u>Commercial Channels</u>	<u>Export ****</u>	<u>Total*</u>
1955	13,541	7,893	6,233**	-	27,667
1956	194	45,588	24,784	6,477	77,043
1957					
January	2	4,075	4,243	2,111	11,061
February	3	9,934	6,100	544	16,581
March	3	5,297	3,140	1,456	9,896
April	-	8,639	5,161	1,360	15,161
May	73	5,365	3,767	536	9,740
June 1-21	70	2,128	1,321	238	3,757
Cumulative Totals	13,886	89,550	54,748	12,723	170,907

Vaccine Inventory (in 1000's of cc's)

Week Ending 6/21/57

Vaccine Cleared for distribution by the National Institutes of Health but not shipped	3,147
Vaccine in State and Local Health Departments	2,654
Vaccine in Commercial Channels and Physicians Offices	2,700

* Totals do not add because figures are rounded to nearest 1000 cc's.

** Includes 562,740 cc's shipped through commercial channels prior to inauguration of the Interstate Distribution Program in August, 1955.

*** Vaccine purchased by the National Foundation for Infantile Paralysis and distributed for inoculation of first and second grade children in locally organized school clinics.

**** Regulated under Department of Commerce Export Policy.