

POLIOMYELITIS SURVEILLANCE REPORT THIRD YEAR NO. 111 .MAY 31, 1957

FOR OFFICIAL USE ONLY

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

SPECIAL NOTE

The information in this report represents a factual summary of data reported to the Poliomyelitis Surveillance Unit from State Health Departments, Epidemic Intelligence Service Officers, participating laboratories and other pertinent sources. All readers should be cautioned regarding the interpretation of these data, many of which are preliminary and provisional in nature. 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.

Table of Contents

- I. Current Poliomyelitis Morbidity Trends
- II. Routine Poliomyelitis Surveillance
- III. Vaccine Distribution

I. Current Poliomyelitis Morbidity Trends

National poliomyelitis incidence remained stable during the past two weeks. Following 71 cases for the week ending May 11, the National Office of Vital Statistics received reports of 59 cases for the week of May 18, and 60 cases for the week of May 25. The total of 60 cases for the week ending May 25 is the lowest incidence for the comparable week since 1947. Poliomyelitis incidence by weeks for April to July, with similar data for the five preceding years, is presented in Figure 1.

Since January 1, 1957, a total of 904 cases have been reported, whereas 1640 cases were reported for the comparable period in 1956, and 2055 cases in 1955.

Table 1 presents reported incidence for the past six weeks by states and regions, with six-week totals for the previous four years. The majority of the current incidence is occurring in the southern part of the country; of the 60 cases for the week ending May 25, 47 were reported from the South Central, South West and South East regions.

II. Routine Poliomyelitis Surveillance

During the period May 17 through May 29, the Polio Surveillance Unit received reports on seven poliomyelitis cases occurring within 30 days of a vaccination in 1957. Of these seven cases, two were non-paralytic and five were paralytic. Three of these five paralytic cases were associated with three different lots of vaccine; in none of these three was site of first paralysis correlated with site of last inoculation. The two remaining paralytic cases were associated with a one million cc lot of Lilly vaccine #683454, distributed to 36 states during March. In one of the two cases associated with this lot, there was no correlation between the site of last inoculation and the site of first paralysis. In the second case the site of inoculation is not known, and first paralysis occurred in the right arm.

III. Vaccine Distribution

A summary of current and cumulative shipments of vaccine (in 1000's of cc's of net bottled vaccine) appears in Table 2. Excluding export, almost five million cc's were shipped during the first two weeks of May. The vaccine inventory on May 17 totaled eight a a half million cc's.

(This report was prepared by Dr. Lauri David Thrupp and Miss Helen Forester with assistance from the Statistics Section, CDC)

LDT
(700)

Table 1

TREND OF 1957 POLIOMYELITIS INCIDENCE

State and Region	Cases Reported to NOVS* for Week Ending:						Six Week Total	Comparable Six Week Totals in:			
	4-20	4-27	5-4	5-11	5-18	5-25		1956	1955	1954	1953
UNITED STATES	32	49	40	71	59	60	311	527	1094	953	817
NORTH EAST	1	1	-	6	1	2	11	37	103	32	84
Maine	-	-	-	-	-	-	-	1	-	-	5
New Hampshire	-	-	-	-	-	-	-	-	-	-	-
Vermont	-	-	-	1	-	1	2	1	-	-	-
Massachusetts	-	-	-	1	-	-	1	2	3	5	8
Rhode Island	-	-	-	-	-	-	-	-	3	-	-
Connecticut	-	-	-	1	-	-	1	5	3	1	4
New York	1	-	-	1	-	1	3	20	59	16	44
New Jersey	-	-	-	-	-	-	-	2	6	4	10
Pennsylvania	-	1	-	2	1	-	4	6	29	6	13
NORTH CENTRAL	3	6	8	7	7	10	41	88	205	121	151
Ohio	-	1	1	1	1	-	4	9	23	27	10
Indiana	1	-	3	-	-	-	4	1	13	5	16
Illinois	-	-	2	-	1	2	5	19	46	12	18
Michigan	1	1	-	-	4	1	7	15	27	24	13
Wisconsin	1	1	1	1	-	-	4	11	16	5	9
Minnesota	-	-	-	1	-	-	1	4	16	7	24
Iowa	-	-	-	-	1	-	1	14	21	6	12
Missouri	-	-	-	2	-	3	5	6	9	22	25
North Dakota	-	1	-	-	-	-	1	-	1	2	2
South Dakota	-	-	-	-	-	-	-	-	8	-	4
Nebraska	-	1	-	1	-	4	6	7	15	4	8
Kansas	-	1	1	1	-	NR	3	2	10	7	10
NORTH WEST	3	2	1	4	-	1	11	13	114	28	24
Montana	-	-	1	-	-	-	1	-	5	2	1
Wyoming	-	-	-	3	-	-	3	-	4	-	2
Idaho	-	1	-	1	-	-	2	2	62	4	2
Washington	-	-	-	-	-	-	-	4	17	14	10
Oregon	3	1	-	-	-	1	5	7	26	8	9

* National Office of Vital Statistics

(CONTINUED ON BACK)

Table 1 (Continued)

State and Region	Cases Reported to NOVS* for Week Ending:						Six Week Total	Comparable Six Week Totals in:			
	4-20	4-27	5-4	5-11	5-18	5-25		1956	1955	1954	1953
SOUTH EAST	5	10	3	7	5	10	40	58	202	240	141
Delaware	-	-	-	-	-	-	-	1	11	-	-
Maryland	-	-	-	-	-	-	-	-	11	1	4
D. C.	-	-	-	-	-	-	-	-	2	1	2
Virginia	2	1	-	1	-	1	5	2	17	8	9
West Virginia	-	-	-	-	-	-	-	6	14	12	13
North Carolina	1	-	1	-	1	3	6	3	12	8	14
South Carolina	-	1	-	-	-	2	3	4	13	11	3
Georgia	1	-	-	-	1	1	3	1	34	25	8
Florida	1	4	1	5	2	1	14	19	55	115	31
Kentucky	-	2	-	1	-	-	3	8	18	11	10
Tennessee	-	1	1	-	1	-	3	10	7	7	13
Alabama	-	1	-	-	-	2	3	4	8	41	34
SOUTH CENTRAL	8	10	17	26	30	19	110	179	235	318	230
Mississippi	1	-	-	2	1	-	4	11	18	24	20
Arkansas	1	1	-	1	5	-	8	4	11	31	12
Louisiana	1	3	2	8	1	1	16	38	48	31	18
Oklahoma	-	-	-	-	-	-	-	8	12	22	19
Texas	5	6	15	15	23	18	82	118	146	210	161
SOUTH WEST	12	20	11	21	16	18	98	152	235	214	187
Colorado	-	1	-	-	1	2	4	2	22	5	13
New Mexico	-	2	-	2	1	-	5	4	5	2	1
Arizona	-	3	2	1	-	-	8	9	16	12	9
Utah	-	1	1	-	-	4	6	-	5	5	7
Nevada	-	-	-	-	-	-	-	2	8	6	-
California	10	13	8	18	14	12	75	135	179	184	157
TERRITORIES											
Alaska	-	-	-	-	-	-	-	3	2	4	4
Hawaii	-	-	-	-	-	-	-	3	6	34	4
Puerto Rico	-	-	-	-	-	-	-	11	61	2	4

* National Office of Vital Statistics.

(CONTINUED ON BACK)

Fig. 1

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

DATA PROVIDED BY NATIONAL OFFICE OF VITAL STATISTICS

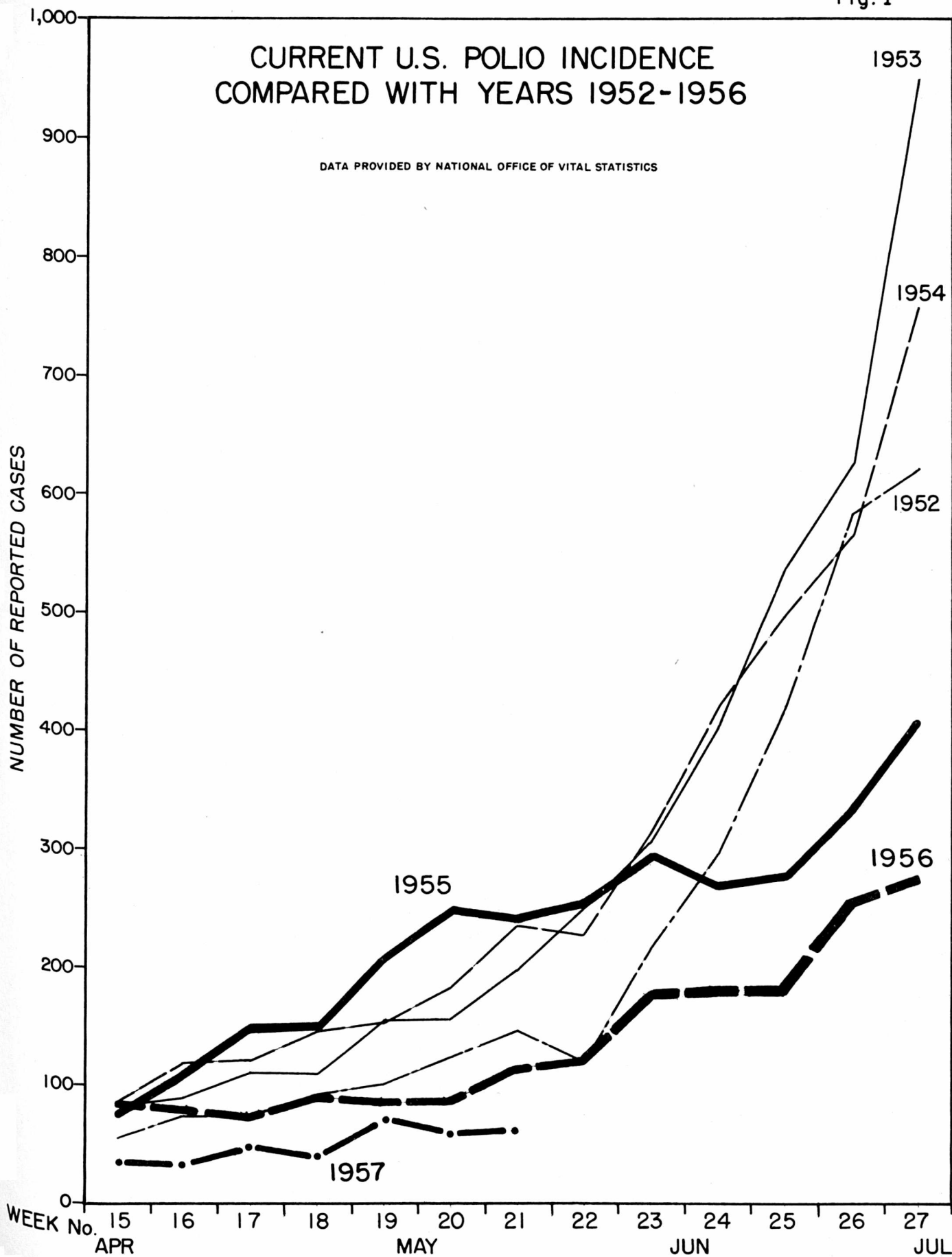


Table 2

Poliomyelitis Vaccine Shipment Summary

(Reports from Polio Vaccine Activity, BSS, USPHS, through 5-24-57)

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

Period	NFIP**** Sponsored Clinics	Public Agencies	Commercial Channels	Export *****	Total
1955	13,541	7,893	6,233***	-	27,667
1956	194	45,588	24,784	6,477	77,043
1957					
January	2	4,705	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 1-17	**	3,054	1,687	513	5,254
Cumulative Totals	13,743	85,111	51,347	12,462	162,663
Vaccine Cleared for distribution by the National Institutes of Health but not shipped by 5-17-57.					3,087
Vaccine in State and Local Health Departments					3,699
Vaccine in Commercial Channels and Physicians Offices					1,627

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

** Less than 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.

