NOT FOR PUBLICATION
FOR OFFICIAL USE ONLY

POLIOMYELITIS SURVEILLANCE
REPORT NO. 45 OCTOBER 7, 1955
AND ATTACHMENT

Department of Health, Education and Welfare
Public Health Service
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. Much of the material is preliminary in nature and is subject to change. The distribution of this report is strictly limited to federal and state officials, to directors of participating laboratories and to other official or non-official persons having responsibility for the control of poliomyelitis in the nation. It is understood that this report will not be quoted in public nor will its contents be released to the press or to unauthorized persons. Any release of this information will be made by the Office of the Surgeon General, U.S. Public Health Service. State Health Officers, of course, are free to reveal any information they may wish concerning data from their state.

All readers should be cautioned regarding the limitations of data presented herein. Current and cumulative data are given concerning reported cases of poliomyelitis in vaccinated persons and among their familial and community contacts. It should be recognized that these data do not constitute a controlled evaluation of poliomyelitis vaccine. For this reason, interpretations and conclusions based on material in these reports must be guarded.

Table of Contents

I. Current Poliomyelitis Morbidity Trends

Poliomyelitis incidence by weeks for the current year, with similar data for the three preceding years, is presented in Figure 1, drawn from data published by the National Office of Vital Statistics. Incidence fell considerably this week and continues below that for the three preceding years.

Poliomyelitis incidence by states for the weeks ending August 27 through October 1 is presented in Table 1, together with a six-week total for this and the three previous years. The drop in national incidence is due to decreases in cases reported from almost all states.

II. Age Distribution Analysis

For a number of years the National Foundation for Infantile Paralysis has received reports of almost all acute poliomyelitis admissions to hospitals throughout the country. From these reports the NFIP has compiled many tabulations of interest, including age-specific attack rates. The NFIP has now prepared a comparison of age-specific attack rates for 1953, 1954 and 1955 and has kindly granted permission for reproduction of these data, which appears as an attachment to the present PSU Report.

This week Age Distribution Analysis tabulations are limited to the NFIP data presented in the attachment. The usual presentation of tables and figures compiled from reports to PSU will be resumed next week.

III. Special Studies

Dr. Morris Greenberg, New York City Department of Health, in a letter dated October 3, reports current poliomyelitis data for New York City:

> "Last May we vaccinated children in grades 1 and 2 (ages 6 and 7) with one dose of Salk vaccine. Approximately 166,000 were vaccinated and 87,000 were not. The results as of September 30, 1955 are given in the table below:

POLIOMYELITIS ATTACK RATES IN VACCINATED AND UNVACCINATED CHILDREN, AGE 6 - 7, BY DIAGNOSIS, WITH ONSET BETWEEN JUNE 1st AND SEPT. 26, 1955

Vaccination Status	Estimated Number	No. of Cases June 1 - Sept. 26 P.	NP	Total	Rate per 100,000 P.	NP.	Total
Vaccinated	166,000	8	13	21	4.8	7.8	12.6
Unvaccinated	87,000	17	26	43	19.5	29.9	49.4
Total	253,000	25	39	64	9.9	15.4	25.3

> In 1954 we gave three injections of Salk vaccine to about 16,000 children in grades 1, 2 and 3 (ages 6, 7 and 8). This spring we injected about 15,000 children in grades 2, 3 and 4 (ages 7, 8 and 9) that received placebos last year with 2 doses of Salk vaccine. There has not been a case of paralytic poliomyelitis in either of the two groups. The groups are too small for comparison with rates in the non-injected."

IV. Routine Poliomyelitis Surveillance

The tabular summary lists in detail the polio cases among vaccinated children accepted September 29 through October 5 with revisions of previously listed cases. Table 2 tabulates these cases and total cases to date.

Table 3 presents a comparison of "reported" and "expected" cases among children who received first inoculations in the NFIP-supported school clinics through May 7. Table 4 presents a similar comparison among children who received first inoculations between May 8 and July 7; a total of 14 cases from states in which only a few first inoculations were given during this period are not included. The numbers of inoculations have been revised slightly since the last report and still are only approximate. The "expected" numbers represent rough estimates of the numbers of cases that would have occurred in the respective groups of first and second grade children if they had not been vaccinated.

V. Polio-Like Diseases

PSU Report No. 43, carried a report from Dr. Martin Hines, Chief, Veterinary Public Health Section, North Carolina Board of Health, of 13 cases of EEE among horses in the southeastern part of the state. Dr. Robert Kissling, Montgomery Laboratory, CDC, reports the isolation of EEE virus from the brains of one of these equine cases. On October 7, in a telephone conversation to Dr. James H. Steele, Chief, Veterinary Section, CDC, Dr. Hines states that the number of reported cases of horse encephalitis in this part of the state is now over 100, and noted the report of a disease, possibly encephalitis, in captive pheasants on a North Carolina poultry farm. Three human deaths, possibly due to encephalitis, are under investigation by Dr. Jacob Koomen, Epidemic Intelligence Service Officer, assigned to North Carolina.

Dr. Philip Haims, Veterinarian, assigned to the Logan Field Station, of the Technology Branch of CDC, in a memorandum to Dr. A.D. Hess, Chief of that Station, reports 13 clinical cases of WEE among horses in the Cache Valley of Northern Utah. The diagnosis was confirmed in nine of these cases by serum neutralization tests ran at Greeley Field Station. Investigations of all hospitals in the area uncovered no cases of human encephalitis occurring this summer.

Dr. Andrew Offutt, State Health Officer of Indiana, has reported an outbreak of encephalitis in the southwestern part of the state, with seven cases (four of them fatal) occurring in Gibson County, Indiana. The disease has also been noted in western Kentucky by Dr. Gwilym Jones, State Epidemiologist, and a total of seven cases, two of which were fatal, have been reported from Marshall County, Kentucky. Acute blood specimens from both cases submitted to the CDC Virus and Rickettsial Laboratory, Montgomery, have shown titers from 1:8 to 1:32 for St. Louis Encephalitis with negative titers for Western and Eastern Equine Encephalitis. An epidemiology team from CDC is assisting in investigation of the Kentucky outbreak.

(This report was prepared by Dr. Neal Nathanson, Dr. Wm. Jackson Hall and Dr. Alexander D. Langmuir, with assistance from the Statistics Section, CDC.)

NN (500)

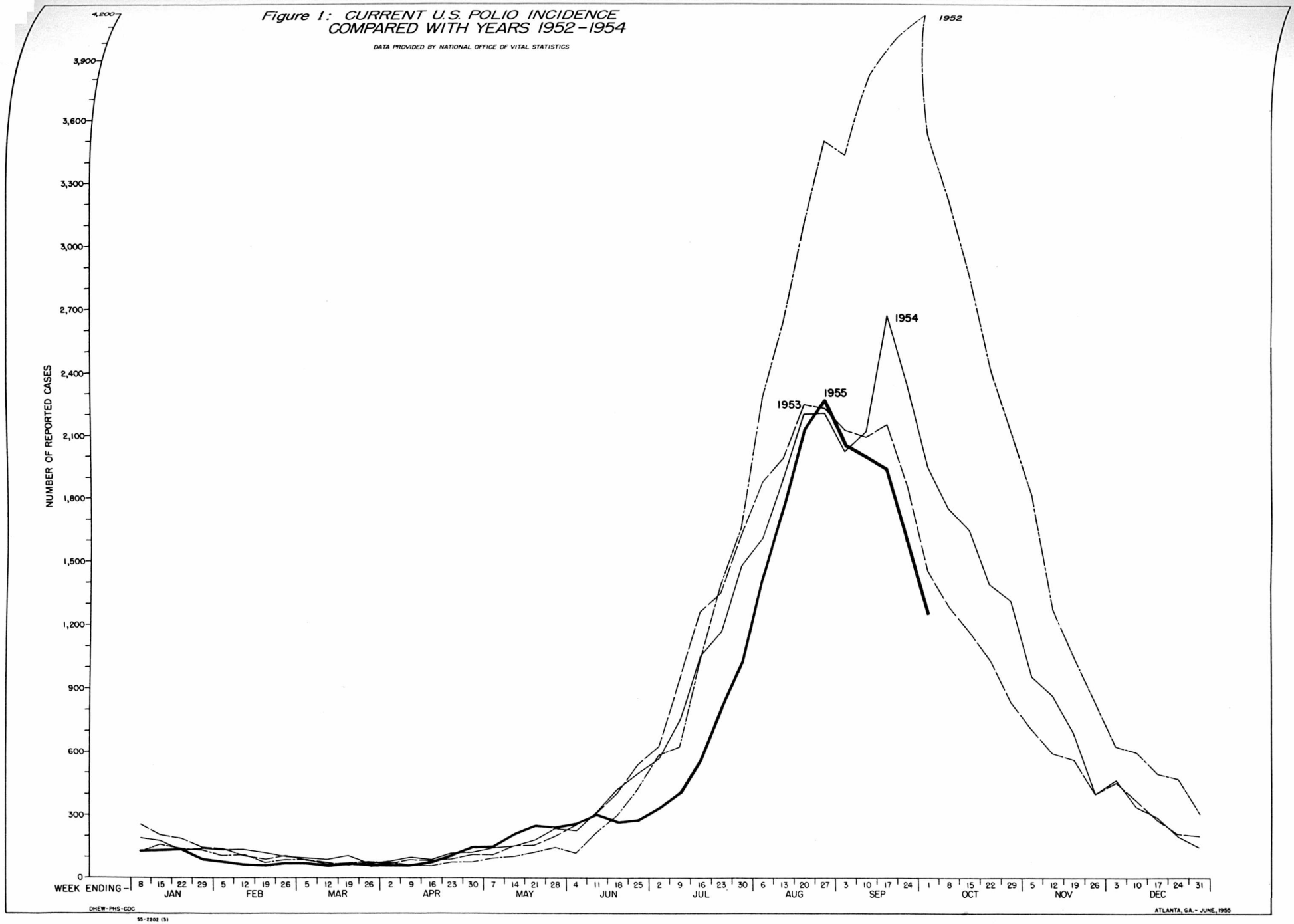


Figure 1: CURRENT U.S. POLIO INCIDENCE COMPARED WITH YEARS 1952-1954
DATA PROVIDED BY NATIONAL OFFICE OF VITAL STATISTICS
NUMBER OF REPORTED CASES
4,200
3,900
3,600
3,300
3,000
2,700
2,400
2,100
1,800
1,500
1,200
900
600
300
0
1952
1954
1955
1953
WEEK ENDING
8 15 22 29 5 12 19 26 5 12 19 26 2 9 16 23 30 7 14 21 28 4 11 18 25 2 9 16 23 30 6 13 20 27 3 10 17 24 1 8 15 22 29 5 12 19 26 3 10 17 24 31
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
DHEW-PHS-CDC
55-2202 (3)
ATLANTA, GA. - JUNE, 1955

Table 1

TREND OF 1955 POLIOMYELITIS INCIDENCE

State	Cases Reported to NOVS* During Week Ending: 8/27	9/3	9/10	9/17	9/24	10/1	6 Week Total	Comparable Totals In: 1954	1953	1952
United States	2289	2059	2009	1950	1606	1260	11173	13333	11936	22517
North East										
Maine	18	12	22	12	11	6	81	43	139	68
New Hampshire	27	18	20	10	10	12	97	32	29	18
Vermont	13	9	13	6	10	6	57	24	47	12
Massachusetts	355	317	290	276	181	155	1574	485	243	264
Rhode Island	36	46	33	21	26	26	188	64	154	45
Connecticut	56	63	75	48	38	38	318	139	144	184
New York	238	272	245	251	208	149	1363	800	1239	1080
New Jersey	59	59	66	45	62	38	329	299	302	350
Pennsylvania	68	52	73	53	47	53	346	560	553	675
North Central										
Ohio	124	87	97	126	91	50	575	996	1043	1357
Indiana	35	33	27	32	21	19	167	314	267	642
Illinois	111	129	112	112	91	77	632	1014	795	1960
Michigan	116	123	68	78	72	52	509	796	886	1651
Wisconsin	353	311	224	199	194	155	1436	265	348	1077
Minnesota	60	41	45	38	38	14	236	299	999	1946
Iowa	44	37	33	26	19	10	169	610	198	1464
Missouri	18	18	15	34	9	7	101	240	297	578
North Dakota	3	4	5	3	4	1	20	45	81	127
South Dakota	11	5	1	1	3	2	23	50	89	376
Nebraska	11	14	19	20	24	5	93	368	60	1094
Kansas	21	19	18	21	20	17	116	264	187	748
South										
Delaware	3	3	3	-	-	2	11	18	12	46
Maryland	25	15	12	15	20	7	94	100	212	72
Dist. of Columbia	4	2	4	6	2	4	22	35	19	71
Virginia	25	10	20	16	15	7	93	230	234	287
West Virginia	14	13	20	11	13	12	83	183	167	260
North Carolina	38	27	21	23	19	7	135	243	177	183
Georgia	14	15	6	21	29	8	93	227	104	163
Florida	16	3	23	13	8	11	74	415	172	153
South Carolina	21	13	22	10	21	3	90	75	36	79
Kentucky	36	14	19	33	15	7	124	318	93	778
Tennessee	16	10	20	19	19	14	98	213	116	245
Alabama	10	4	12	4	5	4	39	91	75	90
Mississippi	6	3	3	8	1	5	26	94	60	198
Arkansas	17	6	9	6	4	3	45	81	86	147
Louisiana	11	8	17	15	16	11	78	107	83	178
Oklahoma	15	4	29	17	7	15	87	145	120	431
Texas	80	76	94	60	50	63	423	722	317	875

Table 1 (Continued)

State	Cases Reported to NOVS* During Week Ending: 8/27	9/3	9/10	9/17	9/24	10/1	6 Week Total	Comparable Totals In: 1954	1953	1952
West										
Montana	3	12	10	17	18	7	67	49	110	89
Idaho	10	5	5	14	6	11	51	52	25	130
Wyoming	-	1	2	8	-	-	11	90	15	26
Colorado	10	21	12	18	9	6	76	161	58	256
New Mexico	10	6	5	9	4	8	42	102	33	143
Arizona	3	10	8	7	8	6	42	68	96	92
Utah	4	-	7	2	1	7	21	108	69	87
Nevada	1	4	3	3	-	3	14	34	10	12
Washington	16	20	38	48	30	21	173	131	160	515
Oregon	18	22	20	20	18	26	124	105	116	171
California	86	63	64	115	89	90	507	1429	1061	1024

* National Office of Vital Statistics

Table 2

Poliomyelitis Cases in Vaccinated Individuals
(PSU Accepted Cases through October 5, 1955)

	Vaccine Manufacturer* and Paralytic Status**									
	C		L		PD		PM		W	
	P	NP	P	NP	P	NP	P	NP	P	NP
CASES VACCINATED 5-7 OR BEFORE WITH ONSETS 30 DAYS OR LESS AFTER VACCINATION* **										
Totals through 9-28	60	14	17	24	4	2	3	2	9	3
New Cases 9-29 through 10-5	0	0	0	4	0	0	0	2	0	0
Totals through 10-5	60	14	17	28	4	2	3	4	9	3
	74		45		6		7		12	
CASES VACCINATED 5-7 OR BEFORE WITH ONSETS 31 DAYS OR MORE AFTER VACCINATION* **										
Totals through 9-28 (Revised)	9	14	23	98	7	64	8	12	7	16
New Cases 9-29 through 10-5	1	1	2	15	0	2	1	1	0	0
Totals through 10-5	10	15	25	113	7	66	9	13	7	16
	25		138		73		22		23	
CASES VACCINATED 5-8 OR LATER WITH ONSETS 30 DAYS OR LESS AFTER VACCINATION* **										
Totals through 9-28 (Revised)			16	43	20	25	1	3	1	5
New Cases 9-29 through 10-5			0	6	2	7	0	1	0	0
Totals through 10-5			16	49	22	32	1	4	1	5
			65		54		5		6	
CASES VACCINATED 5-8 OR LATER WITH ONSETS 31 DAYS OR MORE AFTER VACCINATION* **										
Totals through 9-28			4	23	49	128	0	0	0	1
New Cases 9-29 through 10-5			2	5	1	23	0	1	0	0
Totals through 10-5			6	28	50	151	0	1	0	1
			34		201		1		1	

* Vaccine Manufacturers: C-Cutter; L-Lilly; PD-Parke-Davis; PM-Pitman-Moore; W-Wyeth

**Paralytic Status: P-paralytic; NP-Non-paralytic

***Cases in individuals who had two inoculations are listed according to the second inoculation.

Table 3

Comparison of Reported* and Expected** Cases of Poliomyelitis Among Children who Received First Inoculations in NFIP-Supported School Clinics from April 15 to May 7, 1955

Vaccine Mfr. And Number Vaccinated***	Cases	5 Weeks Apr.17- May 21	5 Weeks May 22- June 25	5 Weeks June 26- July 30	5 Weeks July 31- Sept.3	Sept. 10	Sept. 17	Sept. 24
Reported	P	29	4	2	2	0	0	-
CUTTER	NP	12	6	5	7	1	3	-
303,000	Total	41	10	7	9	1	3	0
Expected	Total	11	12	16	21	7	4	5
Reported	P	16	11	15	7	4	-	-
LILLY	NP	25	42	50	57	5	2	1
2,514,000	Total	41	53	65	64	9	2	1
Expected	Total	26	52	95	140	26	22	17
Reported	P	2	3	5	2	0	-	-
PARKE-DAVIS	NP	0	7	29	24	6	-	-
860,000	Total	2	10	34	26	6	0	0
Expected	Total	6	11	43	108	19	15	12
Reported	P	2	4	6	2	-	0	-
PITMAN-MOORE	NP	4	1	6	9	-	1	-
411,000	Total	6	5	12	11	0	1	0
Expected	Total	2	4	18	29	8	5	3
Reported	P	8	4	3	1	0	-	-
WYETH	NP	3	4	9	2	1	-	-
775,000	Total	11	8	12	3	1	0	0
Expected	Total	4	9	20	59	13	10	8

*Reported Cases include only cases accepted by PSU through October 5 and vaccinated in NFIP Clinics April 16 through May 7, 1955.

**Expected Cases among this group of children estimated from 1955 incidence of poliomyelitis (paralytic and non-paralytic) reported to National Office of Vital Statistics by the States.

***Data on numbers of first inoculations are from the NFIP. CUTTER vaccine was used in Idaho, Nevada, Arizona, New Mexico, and southern California. LILLY vaccine was used in Texas, Oklahoma, Louisiana, Arkansas, Mississippi, Alabama, Tennessee, Florida, Georgia, South Carolina, North Carolina, Virginia, West Virginia, Indiana, and parts of Ohio, California and Colorado. PARKE-DAVIS vaccine was used in Michigan, Illinois, Iowa, Wyoming, Utah, and part of Colorado. PITMAN-MOORE vaccine was used in Kentucky, Missouri, Kansas, and Nebraska. WYETH vaccine was used in Pennsylvania, Delaware, Maryland, District of Columbia and part of Ohio.

Table 4

Comparison of Reported* and Expected** Cases of Poliomyelitis Among Children Who Received First Inoculations in NFIP-Supported School Clinics from May 8 to July 7, 1955

Vaccine Mfr. and Number Vaccinated***	Cases	Thru July 2	Cases with Onsets in Two-Week Period Ending: July 16	July 30	Aug. 13	Aug. 27	Sept. 10	Sept. 24
LILLY 225,000 Reported	P	1	1	1	-	-	-	-
	NP	1	-	-	1	1	2	-
	Total	2	1	1	1	1	2	0
Expected	Total	**	2	3	6	8	8	6
PARKE-DAVIS 1,358,000 Reported	P	17	9	8	18	12	5	-
	NP	18	19	32	39	35	26	7
	Total	35	28	40	57	47	31	7
Expected	Total	**	32	77	135	158	136	96

*Reported cases include only cases accepted by PSU through October 5 and who received first inoculations in NFIP Clinics May 8 through July 7, 1955, in the states listed below.

**Expected cases among this group of children estimated from 1955 incidence of poliomyelitis (paralytic and non-paralytic) reported to National Office of Vital Statistics by the states. No "expected" figures available for the period when vaccinations were in progress.

***Data on numbers of first inoculations are from the NFIP. PARKE-DAVIS vaccine was used during this period for first inoculations primarily in Arizona, California, Connecticut, Massachusetts, Minnesota, New Hampshire, New York, North Dakota, Oregon, Rhode Island, Utah, Vermont, Washington, and Wisconsin; and LILLY vaccine was used during this period for first inoculations primarily in California, Georgia, Indiana, Louisiana, Maine, Montana, New Jersey, North Dakota, Rhode Island, and South Dakota. About 12,000 first inoculations with PITMAN-MOORE vaccine were given during this period in Kansas, and from 20,000 to 30,000 first inoculations with WYETH vaccine were given during this period in Pennsylvania. Small amounts of vaccine from various manufacturers were used in other states and are not included in this table. "Reported" and "expected" comparisons for Pitman-Moore and Wyeth vaccinations for this period are given below.

Cases with Onsets July 3 to September 24

Cases		PITMAN-MOORE	WYETH
Reported	P	-	-
	NP	-	1
	Total	0	1
Expected	Total	2	3

The following memorandum dated September 22, 1955, was prepared by the National Foundation for Infantile Paralysis. Permission for reproduction has been granted through the courtesy of the NFIP.

The National Foundation for Infantile Paralysis

AGE DISTRIBUTION OF ACUTE ADMISSIONS

"Presented in the attached tables and chart are comparative data on the age distribution of new poliomyelitis cases in 1953, 1954 and the period May 1st-September 17, 1955, as tabulated from hospital notices of poliomyelitis acute admissions 1/.

The admissions reported in 1955 include 12,034 patients with onset since May 1st 2/ of whom 10,496 were stricken since June 26. Shown in Table 1 for each period are: 1. Number of Admissions; 2. Percentage Distribution of Admissions; 3. Age-Specific Admission Rates Per 100,000 Estimated Mid-Year Population.

Patients aged 7 and 8 represent 8.9% of the total since May 1st and 8.3% of the total since June 26, as compared with 10.8% in 1954 and 10.3% in 1953. Statistically, however, the difference between these proportions is not highly significant. In view of annual shifts in the population at each single year of age, moreover, attention should be focused on the age-specific admission rates rather than the percentage distribution by age. In this respect, the current age pattern of admission rates is significantly different from the curves in 1953 and 1954.

In these early years, the admission rate climbed to a peak at ages 4-7 and then followed a gradual downward trend with advancing age. In 1955, on the other hand, there is a precipitous drop in admission rates at ages 7 and 8, especially for patients with onset since June 26. In this latter interval the rate at ages 7 and 8 is about twice the crude rate for all ages; in 1953 and 1954, the specific rate for ages 7 and 8 was about three times as high as the crude rate. Moreover, the distinct trough in 1955 admission rates at ages 7 and 8 as compared with the adjacent ages 6 and 9, is not evident in either of the two preceding years.

An even more striking comparison may be made from the information in Table 2 and Figure 1, based on patients with onset in comparable 12-week periods of 1955 and 1954. During the period June 20-September 10, 1954, the highest admission rates were encountered at age 6 with slightly lower rates at ages 7 and 8. In the interval June 26-September 17, 1955, however, admission rates declined abruptly at ages 7 and 8 and then were restored to a more nearly "normal" level starting with age 9. It will be observed that the ratios of 1955 admission rates to 1954 admission rates have remained fairly constant at all ages except 7 and 8. At ages 7 and 8, however, the rate is about half the level in the corresponding period of 1954."

1/ NFIP Form No. 609A

2/ This total represents approximately 70% of the number of new cases reported by the U.S. Public Health Service during the comparable period.

Attachment

Table 1

PSU Report No. 45

Poliomyelitis Acute Admissions Reported to N.F.I.P., By Age:
Based on Notices Received in 1953 and 1954 and Notices Received in 1955 for Cases with Onset since May 1, 1955

Age	No. Admission Notices				Percentage Distribution				Rate per 100,000 Population			
	Receipts In		1955 Onset		Receipts In		1955 Onset		Receipts In		1955 Onset	
	1953	1954	5/1-9/17	6/26-9/17	1953	1954	5/1-9/17	6/26-9/17	1953	1954	5/1-9/17	6/26-9/17
Total, All Ages	23,698	24,950	12,034	10,496	100.0	100.0	100.0	100.0	15	15	7	6
Under 1	352	438	185	171	1.5	1.8	1.6	1.7	9	11	5	4
1	1,157	1,243	512	437	5.0	5.1	4.3	4.2	31	33	13	11
2	1,349	1,464	682	580	5.8	6.0	5.8	5.6	37	39	18	15
3	1,432	1,452	745	643	6.2	5.9	6.3	6.2	41	40	20	17
4	1,518	1,463	801	695	6.5	6.0	6.8	6.7	43	42	22	19
5	1,647	1,573	812	721	7.1	6.4	6.9	7.0	47	44	23	21
6	1,650	1,561	808	702	7.1	6.4	6.8	6.8	43	44	23	20
7	1,371	1,473	554	441	5.9	6.0	4.7	4.3	50	39	16	12
8	1,022	1,168	501	409	4.4	4.8	4.2	4.0	38	42	13	11
9	953	906	490	437	4.1	3.7	4.1	4.2	35	33	18	16
10	890	844	387	331	3.9	3.5	3.3	3.2	31	31	14	12
11	862	832	402	354	3.7	3.4	3.4	3.4	34	29	15	13
12	678	804	389	345	2.9	3.3	3.3	3.3	28	32	13	12
13	655	644	378	334	2.8	2.6	3.2	3.2	29	27	15	13
14	525	543	340	305	2.3	2.2	2.9	3.0	23	24	14	13
15	512	501	278	258	2.2	2.1	2.3	2.5	23	22	12	11
16	501	501	246	221	2.2	2.1	2.1	2.1	23	22	11	10
17	427	412	205	181	1.9	1.7	1.7	1.8	20	19	9	8
18	331	340	193	171	1.4	1.4	1.6	1.7	15	16	9	8
19	280	281	133	121	1.2	1.1	1.1	1.2	14	13	6	6
20-24	1,468	1,588	759	681	6.3	6.5	6.4	6.6	13	15	7	6
25-29	1,738	1,935	973	860	7.5	7.9	8.1	8.2	15	16	8	7
30-34	1,013	1,275	589	526	4.4	5.2	5.0	5.1	8	10	5	4
35-39	449	628	256	217	1.9	2.6	2.2	2.1	4	5	2	2
40 & over	408	567	222	192	1.8	2.3	1.9	1.9	1	1	*	*
Age Unspecified	510	514	194	163	-	-	-	-	-	-	-	-

* Less than 0.5 per 100,000.

G.S. 9/21/55

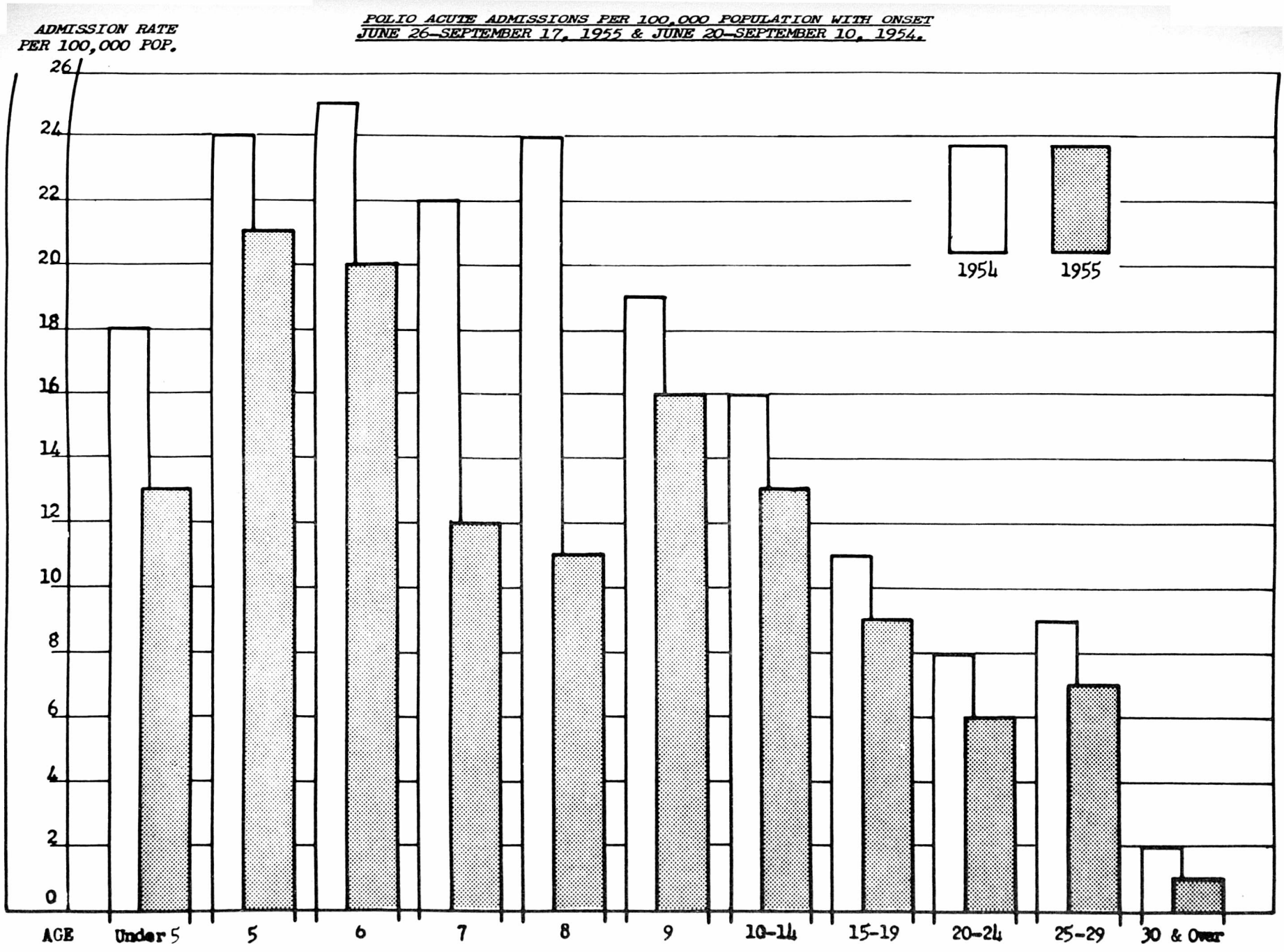
Poliomyelitis Acute Admissions with onset June 20 - September 10, 1954 and June 26 - September 17, 1955 and Admission Rates Per 100,000 Population, By Age #

AGE	Nc. Admissions with onset: 6/20 - 9/10/54	6/26 - 9/17/55	Rate per 100,000 population 6/20 - 9/10/54	6/26 - 9/17/55
Total, All ages	13,495	10,496*	8	6
Under 5	3,394	2,526	18	13
5	862	721	24	21
6	881	702	25	20
7	821	441	22	12
8	659	409	24	11
9	522	437	19	16
10-14	2,094	1,669	16	13
15-19	1,163	952	11	9
20-24	846	681	8	6
25-29	1,021	860	9	7
30 and over	1,232	935	2	1

* Includes 163 Admissions of Unspecified Age

GS 9/21/55

As reported on NFIP Standard hospital form


POLIO ACUTE ADMISSIONS PER 100,000 POPULATION WITH ONSET
JUNE 26–SEPTEMBER 17, 1955 & JUNE 20–SEPTEMBER 10, 1954.
ADMISSION RATE
PER 100,000 POP.
26
24
22
20
18
16
14
12
10
8
6
4
2
0
1954
1955
AGE
Under 5
5
6
7
8
9
10–14
15–19
20–24
25–29
30 & Over

POLIOMYELITIS AMONG VACCINATED INDIVIDUALS
(PSU Accepted Cases September 29 - October 5, 1955)

PSU CASE NO.	County	Initials	Age	Sex	Date Inoc.	Date 1st Symp.	Date 1st Para.	Site Inoc.	Site 1st Para.	Mfr.	Lot No.	Remarks
							NEW					
Wisc-27	Outagamie	AA	7	M	May	8-19	None	LA	None	PD	029127A	
Wisc-28	Sauk	TP	6	M	5-20	8-18	None	LA	None	PD	029127A	Spinal fluid,1365 cells.
Wisc-29	Outagamie	SK	7	F	May	8-?	None	LA	None	PD	029127A	
Wisc-30	Dane	DJJ	7	M	5-19	9-7	None	Arm	None	PD	029127A	Spinal fluid,45 cells.
					6-16			Arm		PD	029127A	
Wisc-31	Brown	LP	7	F	5-27	8-18	8-19	LA	Bulbar	PD	029127A	
Wisc-32	Outagamie	MAK	8	F	5-18	8-1	None	LA	None	PD	029127A	Spinal fluid,82 cells.
Wisc-33	Dane	LF	7	F	5-23	8-3	None	LA	None	PD	029127A	Spinal fluid,110 cells.
					6-6			LA		PD	029127A	
Wisc-34	Dane	GWG	7	M	5-23	9-3	None	LA	None	PD	029127A	
					6-6			LA		PD	029127A	
Md-4	Baltimore Co.	DA	2	F	9-22	9-29	9-30	LA	LL	PD	028850B	LA and RL also paralyzed.
NY-83	Kings	EA	8	M	5-23	5-25	None	LA	None	PD	?	Spinal fluid,17 cells.
NY-84	Dutchess	DD	11	M	5-23	8-6	None	?	None	PD	029128C	Spinal fluid,84 cells.
NY-85	Westchester	MF	9	M	5-23	9-25	None	Arm	None	PD	029128C	Spinal fluid,20 cells.
NY-86	Madison	GM	9	F	5-26	8-21	None	LA	None	PD	029129A	Spinal fluid,300 cells.
					6-23			LA		PD	029129A	
NY-87	Broome	SD	10	F	5-24	8-31	None	Arm	None	PD	029129A	Spinal fluid,298 cells.
					8-3			Arm		L	6002-653-805	
NY-88	Nassau	WI	7	M	5-24	6-4	None	LA	None	PD	028850B	Spinal fluid,102 cells.
NY-89	Otsego	DB	6	F	5-20	9-30	None	LA	None	PD	029128C	
					8-9			LA		L	6002-653-805	
NY-90	Montgomery	RM	7	M	5-15	6-20	None	?	None	L	?649334	Vaccinated in Virginia,
											?649335	Spinal fluid,65 cells.
											?649343	
NY-91	Erie	PM	6	M	6-14	7-7	None	?	None	PD	028850B	

PSU CASE NO.	County	Initials	Age	Sex	Date Inoc.	Date 1st Symp.
						NEW
NY-92	Erie	BH	9	M	May	7-20
NY-93	Nassau	KP	7	M	May	7-20
NY-94	Schenectady	DM	10	M	June 5-19 6-30	7-22
NY-95	Kings	JC	7	M	6-8	7-27
NY-96	Erie	MS	9	M	May	8-15
Miss-15	Jeff Davis	REL	7	M	June 4-21	5-15
La-15	Orleans	DS	7	M	5-3	6-5
La-16	E.Baton Rouge	JK	7	M	4-28	6-18
La-17	Caddo	JC	8	M	4-27 6-15	7-6
La-18	Avoyelles	JPB	8	M	4-20 6-22	7-16
La-19	E.Baton Rouge	DC	7	M	4-27	7-20
La-20	Caddo	RJS	6	M	4-25 6-13	7-23
La-21	Bossier	PMcC	8	M	4-25 6-17	8-3
La-22	Bossier	ID	8	M	4-25 6-13	8-17
La-23	Ouachita	VH	7	F	4-20	8-22
Tex-61	McLennan	CR	8	F	4-25	5-25
Tex-62	Potter	JB	8	M	4-20	5-10
Tex-63	Potter	DB	7	M	4-20	7-25
Tex-64	Tarrant	JSA	8	M	April	7-4

Date 1st Para.	Site Inoc.	Site 1st Para.	Mfr.	Lot No.	Remarks
(Continued)					
None	?	None	PD	029129A	
None	?	None	PD	028861B	Spinal fluid,200 cells.
	?		PD	028861B	
None	?	None	PD	029126A	
	?		PD	029126A	
None	?	None	PD	029129A	
None	?	None	PD	?	
	?		PD	?	
None	LA	None	L	5080-649339	
None	LA	None	L	?649335 ?649339 ?649340 ?649341	
None	LA	None	L	"	Spinal fluid,569 cells.
None	LA	None	L	"	
	LA		L	5205-649348	
None	?	None	L	5081-649340	
	?		L	5206-649347	
None	LA	None	L	?649335,?649339 ?649340,?649341	Spinal fluid, 250 cells.
7-23	LA	LA	L	"	
	LA		L	5080-649330	
None	LA	None	L	?649335,?649339,?649340,?649341	
	LA		L	5206-649347	
8-17	LA	Right	L	?649335,?649339,?649340,?649341	
	LA	Hip	L	?	
None	LA	None	L	1581-649340	Spinal fluid,190 cells.
None	Arm	None	L	7078-649343	Spinal fluid,60 cells.
None	LA	None	L	7078-649343	Spinal fluid,5 cells.
None	LA	None	L	7078-649343	
None	LA	None	L	?649342 ?649343 ?649336	

PSU CASE NO.	County	Initials	Age	Sex	Date Inoc.	Date 1st Symp.	Date 1st Para.	Site Inoc.
						NEW (Continued)		
Tex-65	Tarrant	JAG	7	M	4-24	7-7	None	LA
Tex-66	Nueces	TT	8	M	7-22	9-4	None	?
Tex-67	Brazoria	CW	7	M	4-21	8-2	None	Arm
					7-21			Arm
Tex-68	Tarrant	MT	6	F	5-3	9-16	None	LA
Tex-69	Harris	DDW	7	M	May	9-9	None	Arm
Tex-70	Dallas	JRG	9	M	April	8-15	8-16	LA
Tex-71	Dallas	CW	5	M	4-30	5-30	None	LA
Tex-72	Harris	DBS	8	M	4-19	8-23	None	LA
					7-26			LA
Ohio-18	Hamilton	LOB	8	M	4-25	9-6	None	RA
Mo-7	Linn	DLK	6	F	5-24	8-8	None	LA
Tenn-22	Anderson	LKF	7	F	4-21	9-17	None	LA
Tenn-23	Shelby	EEM	9	M	4-27	7-5	None	Arm
Tenn-24	Johnson	JDC	9	M	4-22	8-12	None	LA
Tenn-25	Carter	JMB	7	F	4-25	9-19	None	RA
					9-15			RA
Cal-104	Alameda	WB	7	M	April	9-4	None	RA
Cal-105	Tulare	KER	7	F	4-26	6-21	None	LA
					5-31			LA
Cal-106	San Bernardino	MMcL	7	M	4-20	9-11	None	?
					5-21			?
Cal-107	L. A. Co.	EJ	7	M	4-20	9-13	None	LA
Cal-108	L. A.Co.	GEW	2	M	9-14	9-19	9-19	LA
Cal-109	San Luis Obispo	RT	6	M	May	9-16	None	?
Cal-110	Sutter Yuba	RCO	?	?	4-27	7-30	None	LA
					7-25			RA
Call-111	San Diego Co.	RKH	9	M	9-23	9-25	None	LA

Site 1st Para.	Mfr.	Lot No.	Remarks
None	L	7078-649343	
None	L	8118-649330	Also vaccinated in 1954
None	L	8124-649336	Spinal fluid,4 cells.
	L	8119-649331	
None	L	7078-649343	Spinal fluid,77 cells.
None	L	7078-649343	Spinal fluid,237 cells.
LL	L	7078-649343	
None	L	7078-649343	Spinal fluid,60 cells.
None	L	7078-649343	Spinal fluid,57 cells.
	L	8118-649330	
None	L	?649336	
		?649337	
None	PM	?175009	
		?175014	
		?175027	
None	L	7079-649341	Spinal fluid,110 cells.
None	L	7079-649341	Spinal fluid,255 cells.
None	L	7079-649341	Spinal fluid,215 cells.
None	L	7080-649342	Spinal fluid,122 cells.
	PM	175A037	
None	PD	?	Vaccinated in Kansas.
None	C	5977 or 5721	
	PD	028847A	
None	C	5928 or 6038	
	PD	029126A	
None	C	E6037	
RL,LL	PD	028861B	
None	?PD	?028848A	Vaccinated in Rhode Island.
None	PD	028847A	
	PD	028847A	
None	L	1027-653-803	

PSU CASE NO.	County	Initials	Age	Sex	Date Inoc.	Date 1st Symp.	Date 1st Para.	Site Inoc.	Site 1st Para.	Mfr.	Lot No.	Remarks
						NEW (Continued)						
Ark-11	Jefferson	RC	8 -	M	4-19	7-8	None	LA	None	L	7080-649342	Type I virus isolated 9-1 (Dr. Potash).
Ark-12	Craighead	JWC	7	M	4-21	8-4	?	LA	. ?	L	7080-649342	
Ark-13	Greene	TER	10	M	4-21	8-5	None	LA	None	L	7080-649342	
					5-4			LA		L	7080-649342	
Ark-14	Lonoke	JCO	6	M	4-20	7-30	None	?	None	L	7080-649342	
Ark-15	Jefferson	WCT	2	M	4-19	7-9	None	LA	None	PD	?	
TA-2	Fairbanks Alaska	RP	7	M	5-18	6-1	None	?	None	PD	028848A	Few cells in spinal fluid.
Minn-17	Hennepin	LJ	7	F	5-23	6-27	None	?	None	PD	028849A	
Minn-18	Hennepin	NN	8	F	6-1	7-20	None	?	None	PD	028849A	
Minn-19	Ramsey	DG	8	M	5-24	8-11	None	?	None	PD	028849A	
Minn-20	Ramsey	DH	8	M	5-23	8-20	None	?	None	PD	028849A	Spinal fluid, negative.
Minn-21	Ramsey	DJ	8	M	5-20	9-19	None	?	None	PD	028849A	Spinal fluid,286 cells.
Minn-22	Hennepin	JN	8	F	May	8-9	None	?	None	PD	?028850B ?028849A ?028861B ?029126A	Spinal fluid,18 cells.
NH-9	Belknap	DC	6	M	5-24	7-12	None	?	None	PD	029126A	
Neb-14	Cass	JJ	11	F	4-27	7-16	None$\frac{1}{5}$	LA	None	PM	175B007	Spinal fluid, 19 cells.
Neb-15	Douglas	PM	8	M	5-6	5-14	None	LA	None	PM	?175006 ?175007 ?175009	Spinal fluid,1 cell.
Neb-16	Douglas	DS	8	M	5-3	5-19	None	LA	None	PM	?175007 ?175009	Spinal fluid,15 cells.
Neb-17	Boone	DDS	7	M	April	7-17	7-17	?	Trunk	PM	?175006 ?175007 ?175009	
TH-2	North Kona Hawaii	GK	7	M	4-25	6-26	6-26	?	RL	C	E6038? E6058?	

PSU CASE NO.	County	Initials	Age	Sex	Date Inoc.	Date 1st Symp.	Date 1st Para.	Site Inoc.	Site 1st Para.	Mfr.	Lot No.	Remarks
					REVISIONS (Revised Items Underlined)							
Tenn-17	Franklin	CJC	7	M	4-22	8-14	None	LA	None	L	7079-649341	Spinal fluid,24 cells.
Ida-21	Blaine	LDL	7	M	4-17	7-15	7-18	?	RL,LL	C	E6039? E6058?	
Pa-13	Delaware	FG	6	M	May	7-26	None	Arm	None	W	?235,?236 ?238	
Neb-13	York	DMcK	8	M	4-?	8-31	9-2	?	Left	PM	?175B006,?175B007	
					8-4			?	facial	L	6004-653-807	
Wisc-7	Shawano	JAS	7	M	5-18	7-21	7-22	LA	Bulbar	PD	029127A	
					6-17			LA		PD	029127A	
Wisc-10	Dane	JDS	7	M	5-17	8-9	None	LA	None	PD	029127A	
Wisc-11	Milwaukee	MTK	8	M	7-21	8-6	8-9	LA	Bulbar	W	23914	
Wisc-12	Dane	DK	10	M	5-20	8-17	8-19	LA	LA	PD	029127A	
					6-10			LA		PD	029127A	
NY-19	Westchester	LSS	8	M	6-2	6-30	6-30	LA	RL	PD	029128C	Coxsackie virus B_2
					6-20			LA	RH	PD	029128C	isolated from case and contact (Dr. Dalldorf, (9-23).
NY-49	Manhattan	AL	7	F	5-25	8-16	None	LA	None	PD	029128C	Spinal fluid,79 cells.
NY-52	Herkimer	DM	6	M	5-18	8-14	None	RA	None	PD	029129A	
					8-3			RA		L	6002-653-805	
PR-1	San Juan Puerto Rico	JEF	7	M	4-27	9-8	None	RA	None	PD	028861B	Spinal fluid,124 cells.
Cal-87	Contra Costa	JCE	8	M	4-26	8-16	None	LA	None	L	8124-649336	Spinal fluid,
					8-4			LA		L	8119-649331	342 cells.
Cal-88	L. A. County	MB	6	F	4-21	8-19	8-30	LA	?RA	C	E6038	
					5-19			RA	LA,RL	PD	029126A	
Cal-97	Orange	DW	8	M	4-26	9-4	None	?	None	C	E6038? E5928?	
La-7	Ouachita	EBS	8	F	4-20	6-17	6-18	LA	RL,LL	L	5081-649340	
La-15	DROPPED --- NOT POLIO---------											
Ala-5	DROPPED----- same as Miss-5-----											
Conn-17	Fairfield	JV	9	M	5-25	8-6	None	LA	None	PD	029126A	
Mo-3	Pemiscot	AG	9	M	4-29	6-1	6-7	LA	RL	PM	175F014	