

POLIOMYELITIS SURVEILLANCE
REPORT NO. 46 OCTOBER 14, 1955

Poliomyelitis Surveillance Unit
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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.

- I. Current Poliomyelitis Morbidity Trends
- II. Age Distribution Analysis
- III. Special Studies
- IV. Routine Poliomyelitis Surveillance
- V. Polio-Like Diseases

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 September 3 through October 8 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

A total of 10,207 cases from 32 states is included in the 1955 data presented this week. Data from three states, Georgia, Idaho and New Jersey, have been added since the last report. Figure 2 and Table 2 present these cases by single years of age under 30, by sex and paralytic status.

It is interesting to note that for ages under 20, approximately 60% of cases occur in males, while males represent 50% to 51% of the population at these ages. The pattern is reversed for ages 20 to 30, with approximately 60% of the cases occurring in females, who represent 51% to 52% of the population at these ages. For ages 30 plus, the rates among males and females are about equal.

In tabular form below, these data are compared with data from two other sources, cases among 1955 vaccinees reported to PSU, and 1952 mortality data published by the National Office of Vital Statistics. The similarity of data from these three sources is striking.

Sex Distribution by Age Group of Poliomyelitis Cases
Compiled from Three Sources

Age Group	1955 ADA**		1955 Vaccinees**		1952 Deaths**	
	%M*	%F*	%M	%F	%M	%F
0 - 4 years	60	40	**	**	59	41
5 - 9 "	65	35	68	32	61	39
10 - 14 "	62	38	**	**	57	43
15 - 19 "	58	42	-	-	63	37
20 - 24 "	39	61	-	-	51	49
25 - 29 "	44	56	-	-	58	42
30 plus	47	53	-	-	61	39
All Ages	57	43	-	-	59	41

*Percentage of cases within each age group among males (M) and females (F).
**1955 ADA: 1955 Age Distribution Analysis Study (10,207 cases used for this tabulation).

1955 Vaccinees: Sex distribution of 645 PSU accepted vaccinated polio cases, ages 5 to 9. 34 cases ages 0-4 and 35 cases ages 10 or older are not included.
1952 Deaths: data from NOVS on 3145 polio deaths in 1952.

III. Special Studies

Dr. Mila Rindge, Epidemiologist, Connecticut Department of Health, forwards the State's Weekly Health Bulletin, for October 3, in which the current status of polio in Connecticut is presented:

"A total of 529 cases of poliomyelitis has been reported to the Connecticut State Department of Health in the first nine months of the year, higher than in any year since 1949 when for the whole year 654 cases were reported. Of the cases reported this year, 112, or 21.2% have been in children 5 through 9 years of age. In the five years 1950 through 1954, immediately preceding this, 29.5% of all reported cases occurred in the 5-9 age group. This would not appear a remarkable change, especially when it is known that during the past 25 years there has been a consistent downward trend in the percentage of total cases in this group.

However, when a comparison is made between the number of cases reported among children who have received poliomyelitis vaccine, either in 1954 or in 1955, and the number of cases reported in children of the same age who did not receive vaccine, striking differences may be noted. When only paralytic cases are considered in these groups the differences are even more remarkable, as may be seen in the following table.

Poliomyelitis Cases Reported in 5-9 Age Group

	Population 5-9 yrs.incl.	Paralytic No.	Rate*	Non-Paralytic No.	Rate*	Unknown Type No.	Rate*	Total No.	Rate*
Vaccinated	106,120	5**	4.7	32	30.2	0	0.0	37	34.9
Unvaccinated	89,500	18	20.1	52	58.1	5	5.6	75	83.8

*Per 100,000 population.

**Includes one case vaccinated in 1954 only.

Of the five paralytic cases reported in the vaccinated group, four showed only a mild and temporary weakness and are expected to have no permanent residue of the illness. The fifth has only a slight weakness of one muscle group remaining."

IV. Routine Poliomyelitis Surveillance

The tabular summary lists in detail the polio cases among vaccinated children accepted October 6 through October 12 with revisions of previously listed cases. Table 3 tabulates these cases and total cases to date.

It is of interest to note that of 32 cases among children vaccinated this year in Connecticut, there are only four paralytic cases (PSU Cases Nos. Conn-2, Conn-13, Conn-14, and Conn-32). Dr. David C. Davis, Epidemic Intelligence Officer working with Dr. Melnick at Yale University Department of Medicine, notes that these four cases were classified as bulbar polio, because of change in voice during the acute phase of illness. Bulbar

involvement was only transient, so that all four patients have shown complete recovery without residual paralysis (Connecticut Weekly Health Bulletin, October 3, 1955). Stools from these four cases were examined with the following results: Type I virus from two cases, an orphan virus from the third and no virus from the fourth.

V. Polio-Like Diseases

California State Department of Health, in an Encephalitis release, for October 4, notes the current status of encephalitis in the State:

"Since the last report, there has been one additional case of Western equine infection (Stanislaus County), giving a total of 4 laboratory confirmed cases of Western equine encephalitis this year to date. In addition, one case of St. Louis encephalitis has been reported in an adult who recently returned to California from a trip to Colorado. Additional information is being obtained regarding this case."

Acute Encephalitis by Etiology January - September, 1955 (State of California)

	Total Cases	Etiology Undetermined	WEE	SLE	Measles	Mumps	Chicken- pox	Other*
1955	284	86	4	1	69	108	10	6
1954	501	150	19	68	58	178	23	5

*Other types include encephalitis following vaccination, herpes, German measles, influenza, pneumonia and otitis media.

Virus isolations from mosquito pools are summarized below:

Mosquito Virus Isolation Tests May 1 to October 1 (State of California)

	No. Pools Tested	No. Pools Positive WEE	SLE	??	No. Pools Negative	No. Pools in Progress
1955	930	57	-	6	593	274**
1954	873	150	87	42	594	0

*Virus isolation with virus as yet unidentified.

**Includes 4 contaminated specimens.

The California Report continues with the following comment:

"Since the last report (September 20, 1955) the Viral and Rickettsial Disease Laboratory has reported that paired blood specimens from two horses gave positive complement fixation reactions with the Western equine encephalitis antigen. These are the first positive laboratory reports this year to date. One horse was in San Joaquin and the other near Tule Lake, Siskiyou County."

PSU Report No. 43 noted the occurrence of 24 fatal cases of Eastern equine encephalitis among horses in the Taunton River Valley of southeastern Massachusetts. Dr. Robert Kissling, CDC, Virus and Rickettsial Laboratory, Montgomery, Alabama, now reports the isolation of EEE virus from the brain of one of these cases.

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

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DATA PROVIDED BY NATIONAL OFFICE OF VITAL STATISTICS



Table 1

TREND OF 1955 POLIOMYELITIS INCIDENCE

State	Cases Reported to NOVS* During Week Ending:						6 Week Total	Comparable Totals In:		
	9/3	9/10	9/17	9/24	10/1	10/8		1954	1953	1952
United States	2059	2009	1950	1606	1260	1038	9922	12881	10988	22241
North East										
Maine	12	22	12	11	6	9	72	51	136	63
New Hampshire	18	20	10	10	12	2	72	30	22	18
Vermont	9	13	6	10	6	2	46	26	49	18
Massachusetts	317	290	276	181	155	145	1364	470	241	235
Rhode Island	46	33	21	26	26	25	177	61	142	52
Connecticut	63	75	48	38	38	20	282	135	131	166
New York	272	245	251	208	149	117	1242	799	1154	1016
New Jersey	59	66	45	62	38	41	311	313	292	330
Pennsylvania	52	73	53	47	53	24	302	587	544	703
North Central										
Ohio	87	97	126	91	50	60	511	1050	989	1349
Indiana	33	27	32	21	19	14	146	309	249	671
Illinois	129	112	112	91	77	43	564	1032	672	1937
Michigan	123	68	78	72	52	41	434	723	794	1603
Wisconsin	311	224	199	194	155	98	1181	268	326	1112
Minnesota	41	45	38	38	14	20	196	286	888	2048
Iowa	37	33	26	19	10	11	136	563	158	1473
Missouri	18	15	34	9	7	12	95	260	258	576
North Dakota	4	5	3	4	1	2	19	44	67	131
South Dakota	5	1	1	3	2	6	18	42	82	344
Nebraska	14	19	20	24	5	7	89	329	50	1041
Kansas	19	18	21	20	17	9	104	248	164	776
South										
Delaware	3	3	-	-	2	1	9	24	10	45
Maryland	15	12	15	20	7	21	90	109	201	87
District of Co.	2	4	6	2	4	-	18	26	18	58
Virginia	10	20	16	15	7	13	81	221	184	264
West Virginia	13	20	11	13	12	6	75	183	148	256
North Carolina	27	21	23	19	7	11	108	227	143	171
South Carolina	13	22	10	21	3	14	83	74	34	85
Georgia	15	6	21	29	8	9	88	213	90	158
Florida	3	23	13	8	11	17	75	446	202	154
Kentucky	14	19	33	15	7	15	103	321	77	730
Tennessee	10	20	19	19	14	5	87	202	97	243
Alabama	4	12	4	5	4	10	39	85	71	86
Mississippi	3	3	8	1	5	-	20	79	44	157
Arkansas	6	9	6	4	3	3	31	80	79	143
Louisiana	8	17	15	16	11	17	84	108	89	159
Oklahoma	4	29	17	7	15	6	78	119	101	386
Texas	76	94	60	50	63	52	395	622	276	796

Table 1 (Continued)

State	Cases Reported to NOVS*						6 Week Total	Comparable Totals In:		
	During Week Ending:							1954	1953	1952
	9/3	9/10	9/17	9/24	10/1	10/8				
West										
Montana	12	10	17	18	7	3	67	51	106	91
Idaho	5	5	14	6	11	7	48	51	26	124
Wyoming	1	2	8	-	-	-	11	86	19	25
Colorado	21	12	18	9	6	5	71	147	49	269
New Mexico	6	5	9	4	8	3	35	97	30	136
Arizona	10	8	7	8	6	5	44	57	88	96
Utah	-	7	2	1	7	-	17	105	50	114
Nevada	4	3	3	-	3	1	14	30	11	17
Washington	20	38	48	30	21	26	183	142	160	495
Oregon	22	20	20	18	26	21	127	103	111	178
California	63	64	115	89	90	59	480	1247	1066	1056

*National Office of Vital Statistics.

**Figure 2: AGE DISTRIBUTION OF POLIOMYELITIS
BY SEX AND PARALYTIC STATUS**
(PRELIMINARY DATA FROM 32 STATES - APRIL 12 to SEPT. 23, 1955)

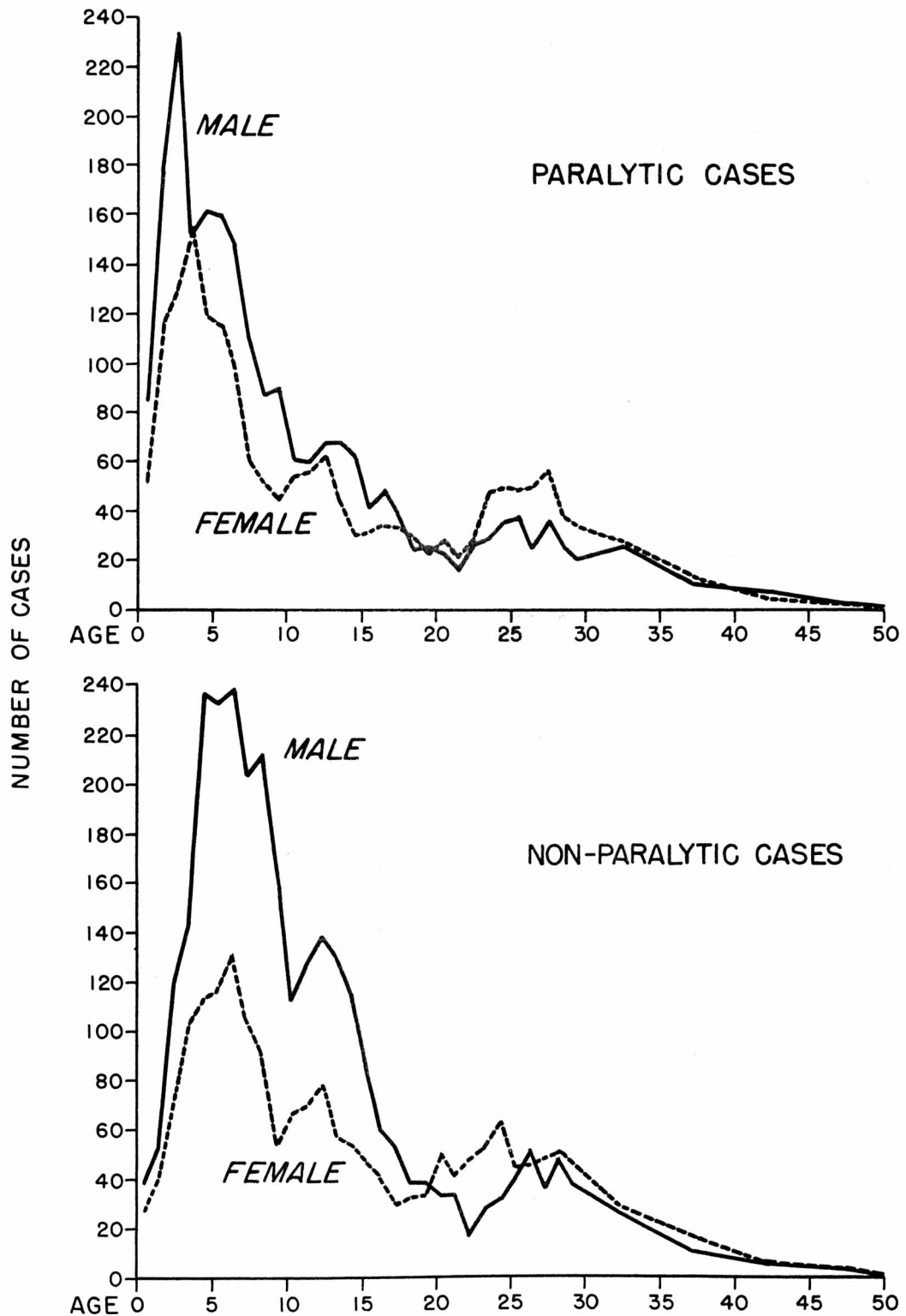


Table 2
AGE DISTRIBUTION ANALYSIS

Age Distribution of Poliomyelitis Cases by Sex and Paralytic Status
(Preliminary Data from 32 States - April 12 to September 23)

Age	Male*			Female**		
	P	NP	Total	P	NP	Total
Under 1	85	38	125	52	27	83
1	179	54	238	117	40	166
2	232	121	366	130	70	209
3	153	145	311	154	103	269
4	162	237	423	120	113	241
0-4	811	595	1463	573	353	968
5	160	233	421	116	116	250
6	148	238	403	99	131	238
7	110	203	321	62	94	163
8	87	211	322	52	91	154
9	90	159	262	45	54	106
5-9	595	1044	1729	374	486	911
10	61	112	186	55	67	123
11	60	127	200	57	70	135
12	68	138	218	63	78	153
13	68	130	211	45	58	110
14	62	115	192	31	54	94
10-14	319	622	1007	251	327	615
15	42	84	135	32	47	86
16	48	60	117	35	41	78
17	39	53	98	34	29	70
18	24	38	76	30	32	68
19	25	38	67	23	33	58
15-19	178	273	493	154	182	360
20	23	33	60	29	50	83
21	17	34	57	22	41	67
22	27	17	49	29	47	80
23	29	28	59	48	52	108
24	36	32	72	50	63	119
20-24	132	144	297	178	253	457
25	37	41	82	49	44	99
26	25	51	80	50	45	99
27	36	36	76	57	48	110
28	26	48	78	39	51	93
29	21	37	65	34	45	84
25-29	145	213	381	229	233	485
30-34	129	130	270	139	141	296
35-39	50	50	107	67	79	154
40-44	34	23	59	20	26	50
45-49	11	13	26	9	16	26
50 plus	11	6	17	13	5	18
Unknown	5	2	9	3	3	9
TOTAL	2420	3115	5858	2010	2104	4349

*Totals include 323 cases in males and 235 cases in females with paralytic status unspecified. Three cases with sex unspecified are excluded from the table.

Table 3

Poliomyelitis Cases in Vaccinated Individuals
(PSU Accepted Cases through October 12, 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 10-12 (Revised)	59	16	17	29	4	3	3	4	9	3
	75		46		7		7		12	

(No New Cases 10-6 through 10-12)

CASES VACCINATED 5-7 OR BEFORE WITH ONSETS 31 DAYS OR MORE AFTER VACCINATION***

Totals through 10-5 (Revised)	10	14	25	112	7	64	9	13	7	16
New Cases 10-6 through 10-12	0	2	2	15	4	5	0	0	1	1

Totals through 10-12	10	16	27	127	11	69	9	13	8	17
	26		154		80		22		25	

CASES VACCINATED 5-8 OR LATER WITH ONSETS 30 DAYS OR LESS AFTER VACCINATION***

Totals through 10-5 (Revised)	17	48	20	32	2	3	1	5
New Cases 10-6 through 10-12	2	3	0	2	0	0	0	0

Totals through 10-12	19	51	20	34	2	3	1	5
	70		54		5		6	

CASES VACCINATED 5-8 OR LATER WITH ONSETS 31 DAYS OR MORE AFTER VACCINATION***

Totals through 10-5 (Revised)	6	28	49	153	0	1	0	1
New Cases 10-6 through 10-12	2	4	3	24	0	0	0	1

Totals through 10-12	8	32	52	177	0	1	0	2
	40		229		1		2	

* 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.

POLIOMYELITIS AMONG VACCINATED INDIVIDUALS
(PSU Accepted Cases October 6 - October 12, 1955)

CASE NO.	County	Ini- tials	Age	Sex	Date Inoc.	Date 1st Symp.	Date 1st Para.	Site Inoc.	Site 1st Para.	Mfr.	Lot No.	Remarks
NEW												
RI-1	Kent	CAB	7	F	May	8-1	None	?	None	PD	028848A	Spinal fluid, 197 cells.
RI-2	Providence	EL	9	M	May	8-9	None	LA	None	PD	028848A	Spinal fluid, 173 cells.
					8-9			LA		PD	028848A	
RI-3	Providence	EDG	7	M	5-20	8-7	None	?	None	PD	028848A	Spinal fluid, 160 cells.
RI-4	Kent	AAB	7	M	5-16	7-10	None	LA	None	PD	028848A	Spinal fluid, 124 cells.
RI-5	Providence	PLT	8	M	May	7-26	None	?	None	PD	028848A	Spinal fluid, 393 cells.
RI-6	Providence	NLP	7	M	June	8-16	None	Arm	None	PD	028848A	Spinal fluid, 82 cells.
RI-7	Warwick	LGW	9	M	April	7-12	None	RA	None	PD	028848A	Spinal fluid, 337 cells.
RI-8	Bristol	CAL	7	M	May	7-26	None	Arm	None	PD	028848A	Spinal fluid, 303 cells.
RI-9	Newport	JAP	7	F	May	8-19	None	Arm	None	PD	028848A	Spinal fluid, 39 cells.
RI-10	Providence	LCN	8	F	May	8-17	None	LA	None	PD	028848A	Spinal fluid, 31 cells.
RI-11	Newport	ICE	8	M	May	8-18	None	Arm	None	PD	028848A	Spinal fluid, 30 cells.
RI-12	Washington	RJC	7	M	May	8-23	8-25	Arm	Bulbar	L	8125-649337	
La-24	Jeff Davis	JEF	7	F	4-19	7-22	None	LA	None	L	?649335, ?649339 ?649340, ?649341	Spinal fluid, 1280 cells.
NC-7	Guilford	RWM	10	M	4-18	9-10	None	Arm	None	L	5080-649339	Spinal fluid, 142 cells.
NC-8	Cabarrus	DP	8	M	8-11	9-1	None	Arm	None	L	5014-649350	Spinal fluid, 140 cells.
NC-9	Pitt	JAL	8	F	4-26	8-30	None	Arm	None	L	5080-649339	
NC-10	Rutherford	GM	8	M	4-19	8-21	None	Arm	None	L	5080-649339	
NC-11	Moore	RRT	6	M	4-21	8-10	?	LA	?	L	5081-649340	Spinal fluid, 206 cells.
NC-12	Rowan	WMB	7	M	4-22	8-10	None	Arm	None	L	5080-649339	
NC-13	Wake	PBS	7	M	5-19	8-9	None	Arm	None	L	5080-649339	
NC-14	Burke	JAR	7	M	4-21	8-8	None	Arm	None	L	5080-649339	
NC-15	Pender	JU	7	M	5-18	8-3	None	Arm	None	L	5080-649339	Spinal fluid, 120 cells.
NC-16	Durham	FH	10	F	4-20	7-22	None	Arm	None	L	5080-649339	Spinal fluid, 251 cells.

PSU CASE NO.	County	Ini- tials	Age	Sex	Date Inoc.	Date 1st Symp.
NC-17	Onslow	GS	7	M	4-21	7-26
NC-18	New Hanover	WB	7	M	4-18	7-23
NC-19	Onslow	TMM	8	M	4-21	7-21
Ill-51	Cook	JD	8	F	5-5	8-17
Ill-52	Cook	SB	6	M	5-23	6-25
Ill-53	Cook	KB	7	F	6-15	7-8
Ill-54	Cook	JL	7	M	4-26	6-4
Ill-55	Carroll	RR	7	M	April	7-10
Ill-56	Vermilion	SP	7	M	April	8-8
Ill-57	Vermilion	RM	8	M	May	8-10
Ill-58	Cook	RC	8	M	5-3	8-23
Ill-59	Cook	CF	6	F	April	8-25
Ill-60	Cook	SL	8	F	April or May	9-9
Me-1	Knox	RLY	7	M	6-14	9-25
Tex-73	Dallas	OF	11	M	April	9-20
Pa-15	Delaware	MAE	8	F	April	9-12
Pa-16	Montgomery	CC	7	F	4-28	8-10
NM-4	Santa Fe	AEM	8	M	4-19 6-14	9-24
NY-97	Westchester	TS	6	F	5-25	8-26
NY-98	Saratoga	CH	10	M	8-4	9-14
NY-99	Queens	JA	7	M	5-25	8-5
NY-100	Bronx	MK	7	M	5-22 June	8-25

Date	Site	Site	Lot	
1st	Site	1st	Lot	
Para.	Inoc.	Para.	Mfr.	No.
				Remarks
EW (Continued)				
None	Arm	None	L	5080-649339
None	LA	None	L	5080-649339 Spinal fluid, 130 cells.
None	Arm	None	L	5080-649339
?	?	RL	PD	?028846B, ?028850B
				?028861B, ?028863B
None	LA	None	PD	?028846B Spinal fluid, 400 cells.
				?028863B
None	?	None	PD	?028846B, ?028850B Spinal fluid,
				?028861B, ?028863B 163 cells.
None	LA	None	PD	028846B Spinal fluid, 48 cells.
None	?	None	PD	?028846B, ?028850B Spinal fluid,
				?028861B, ?028863B 52 cells.
?	?	LL	PD	"
?	LA	RA, LA	PD	028863B
None	?	None	PD	?028846B, ?028850B Spinal fluid,
				?028861B, ?028863B 60 cells.
?	?	LL	PD	"
None	?	None	PD	" Spinal fluid, 106 cells.
9-26	LA	LL	L	5025-649348
None	LA	None	L	7078-649343
None	LA	None	W	?235, ?236
?	LA	Bulbar	W	23616
9-30	RA	LL	C	?
	RA		PD	028848A
None	?	None	PD	029129A
None	?	None	L	6002-653805 Spinal fluid, 286 cells.
None	?	None	PD	029128C Also vaccinated in 1954.
None	LA	None	PD	029128C Spinal fluid, 50 cells.
	LA		PD	029128C

PSU CASE NO.	County	Ini- tials	Age	Sex	Date Inoc.	Date 1st Symp.	Date 1st Para.	Site Inoc.
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NEW (Continued)

NY-101	Queens	JD	7	M	6-2	9-20	None	?
NY-102	Dutchess	DM	9	M	5-23 6-22	9-11	None	LA LA
NY-103	Suffolk	CH	8	F	8-12	9-2	None	?
NY-104	Monroe	WMY	6	M	5-27	8-26	None	LA
NY-105	Onondaga	TJM	8	M	5-18 6-22	8-24	8-25	LA LA
Tenn-26	Hamilton	BJN	8	M	4-27	9-3	9-24	RA
W.Va-6	Mercer	RW	7	M	4-20	7-1	None	?
W.Va-7	Barbour	JLT	9	M	4-20	7-21	None	LA
W.Va-8	Greenbrier	DTF	8	M	4-26 7-27	8-21	?	? ?
Cal-112	San Diego Co.	KN	8	M	4-16 5-14	9-13	None	LA LA
Cal-113	Santa Clara	GW	7	F	4-20	9-18	None	LA
Cal-114	San Francisco	LT	8	F	5-18	9-27	None	LA
Cal-115	San Francisco	PC	8	M	4-27	9-25	None	LA
Cal-116	San Francisco	JM	8	M	4-27	9-27	None	LA
Cal-117	San Diego	RH	9	M	9-23	9-25	None	LA
Cal-118	Santa Clara	SW	8	F	4-20	9-12	None	LA
Cal-119	L. A. City	RS	8	M	5-21	9-30	9-30	LA
Cal-120	San Francisco	SW	8	M	6-6 8-5	10-1	None	LA LA
Wisc-35	Milwaukee	CS	7	F	7-20 8-23	9-26	None	LA LA
Wisc-36	Eau Claire	MO	8	M	7-5-20 7-6-10	7-11	None	LA
Wisc-37	Racine	MAW	7	F	7-3 7-17	8-19	None	LA LA
Wisc-38	Trempealeau	LDJ	7	F	5-23 6-30	8-13	None	LA LA

Site 1st Para.	Mfr.	Lot No.	Remarks
None	PD	029129A	Spinal fluid, no cells.
None	PD	029128C	Spinal fluid, 700 cells,
	PD	029128C	
None	L	6002-653805	Also vaccinated in 1954. Spinal fluid, 511 cells.
None	PD	029128C	Spinal fluid, 13 cells.
LL	PD	029129A	
	PD	029129A	
RA	L	7080-649342	
None	L	8122-649334	
None	L	8122-649334	
?	L	8122-649334	
	L	?649334, ?649335, ?649343	
None	C	?E6038, ?E5970, ?E5928	Spinal fluid,
	PD	029126A	4 cells.
None	C	E6038	
None	PD	028847A	
None	L	8124-649336	
None	L	8124-649336	
None	L	1027-653803	
None	C	E6038	
LA	PD	028848A	
None	L	8124-649336	
	L	8119-649331	
None	W	23914	
	W	23914	
None	PD	029127A	
None	PD	029127A	
	PD	029127A	
None	PD	029127A	
	PD	029127A	

PSU CASE NO.	County	Ini- tials	Age	Sex	Date Inoc.	Date 1st Symp.	Date 1st Para.	Site Inoc.	Site 1st Para.	Mfr.	Lot No.	Remarks
NEW (Continued)												
Wisc-39	Calumet	SAW	8	F	May	8-1	None	LA	None	PD	029127A	
Wisc-40	Fond du Lac	MMS	7	F	5-24	8-15	None	LA	None	PD	029127A	
					6-21			LA		PD	029127A	
Wisc-41	Winnebago	PVK	8	M	May	7-17	None	LA	None	PD	029127A	
Conn-32	Hartford	GB	9	M	8-3	8-20	?	?	Bulbar	L	6004-653807	Also vaccinated in 1954.
REVISIONS (Revised Items Underlined)												
Conn-2	Hartford	GAD	8	M	5-17	7-31	8-1	LA	Bulbar	PD	029126A	Stools negative, (Dr. Melnick)
Conn-13	Hartford	FEA	9	M	May 8-3	8-15	8-18	LA LA	Bulbar L	PD L	029126A 6004-653807	Also vaccinated in 1954 field trials. Orphan virus, (Dr. Melnick)
Conn-14	Hartford	FC	8	M	5-23 8-2	8-5	8-7	LA LA	Bulbar L	PD L	029126A 6004-653807	Type I virus, (Dr. Melnick)
NC-3	Durham	WFH	7	F	4-21	7-6	None	RA	None	L	5080-649339	Spinal fluid, 121 cells.
NC-5	Richmond	ST	7	M	4-21	7-10	None	Arm	None	L	5080-649339	Spinal fluid, 95 cells.
NC-6	Bladen	BGI	8	F	4-21	7-13	None	LA	None	L	5080-649339	Spinal fluid, 39 cells.
Ill-10	Cook	RE	9	M	6-5	8-30	None	LA	None	PD	?028846B	Spinal fluid, 600 cells.
											?028863B	
Ill-37	Cook	SW	7	F	April or May	8-19	None	?	None	PD	?028846B ?028850B ?028861B ?028863B	Spinal fluid, 250 cells.
Ill-43	Cook	KK	7	M	4-28	8-28	None	?	None	PD	"	Spinal fluid, 672 cells.
Tenn-18	Tipton	RRJ	8	M	4-21	9-5	None	LA	None	L	7079-649341	
					8-17			LA		L	6003-653806	
Minn-9	Freeborn	SL	8	M	5-?	8-14	8-14	?	Bulbar	PD	028849A	
Pa-11	Delaware	AD	7	M	5-?	7-16	None	Arm	None	W	235	Spinal fluid, 235 cells.
VA-25	Norfolk	RMR	10	M	5-4	8-19	None	LA	None	L	8123-649335	Spinal fluid, 550 cells.
Mich-17	Wayne	GK	8	M	4-19	9-3	9-3	?	?	PD PM	028860B 175D012	Type III, virus isolated 10-5 (Dr. Brown).
					8-10			?				

PSU CASE NO.	County	Ini- tials	Age	Sex	Date Inoc.	Date 1st Symp.	Date 1st Para.	Site Inoc.	Site 1st Para.	Mfr.	Lot No.	Remarks
REVISIONS (Continued)												
Cal-8	L. A. Co.	BJM	5	M	4-19	4-25	4-28	LA	LA	C	E5971	
Cal-11	Riverside	DJM	<u>4</u>	<u>F</u>	4-18	4-23	4-26	RL	RL	C	E5927	Type I virus in stool 5-7 (Dr. Lennette).
Cal-24	Riverside	DP	7	M	4-27	5-4	<u>None</u>	LA	<u>None</u>	C	E5928	
Cal-43	L. A. Co.	BJ	6	F	6-6	8-9	<u>8-12</u>	LA	<u>Bulbar</u>	PD	028848A	<u>Died 8-14</u>
Cal-57	L. A. Co.	RW	6	M	6-3	6-26	<u>None</u>	RA	<u>None</u>	PD	028861B	
					6-24			RA		PD	028861B	
Cal-62	San Diego	PB	8	F	4-6	<u>7-6</u>	None	LA	None	C	?6038,5970,5928	Spinal fluid, 104 cells.
					5-14			LA		PD	029126A	
Cal-80	L. A. Co.	RP	7	M	5-17	7-6	<u>None</u>	LA	<u>None</u>	PD	028848A	
Cal-104	Alameda	WB	7	M	4-27	9-4	<u>None</u>	RA	<u>None</u>	PM	175009G	Vaccinated in Kansas.
Cal-110	Sutter Yuba	RCO	<u>7</u>	<u>M</u>	4-27	7-30	None	LA	None	PD	028847A	
					7-25			RA		PD	028847A	
Ga-11	Floyd	AA	7	M	4-20	<u>8-8</u>	None	IA	None	L	5081-649340	Spinal fluid, 649 cells.
					6-30			IA		L	5206-649347	

