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POLIOMYELITIS SURVEILLANCE
REPORT NO.40 SEPTEMBER 2, 1955

Department of Health, Education and Welfare
Public Health Service — Communicable Disease Center

Poliomyelitis Surveillance Unit
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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.

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I. Current Poliomyelitis Morbidity Trends

Poliomyelitis incidence by week for the current year, with similar data for the three preceding years, is presented in the accompanying figure, drawn from data published by the National Office of Vital Statistics. Incidence rose again this week and for the first time surpassed incidence in 1953 and 1954, although it is still lower than comparable incidence in 1952. The increase this week, however, was considerably less than that reported for several weeks.

Poliomyelitis incidence by states for the weeks ending July 23 through August 27 is presented in Table 1, together with a six-week total for this and the three previous years. Large increases were reported this week in New York, Ohio, and Wisconsin, whereas New Hampshire, Massachusetts, Illinois Iowa and Nebraska showed sizeable decreases; the southern and western states remained relatively stable.

II. Age Distribution Analysis

In addition to those states listed in PSU Report No. 38, the following states are now participating in The Age Distribution Analysis:

Arizona	New Jersey
Colorado	New York State
Georgia	North Dakota
Idaho	Utah
Indiana	

The first tabulations from this study will appear in the very near future.

III. Special Studies

Dr. Joseph Melnick, Yale University School of Medicine, and Dr. David C. Davis, Epidemic Intelligence Service Officer, have confirmed a previous preliminary report (PSU Report No. 38) that Type I polio virus was the etiological agent responsible for the polio outbreak in a central New Hampshire resort community. In a "Report No. 2", Dr. Davis says:

> "Report No. 1, based on complement fixation data, pointed to Type I polio virus as the etiological agent. This has now been confirmed by virus isolations. Type I polio virus has been demonstrated in 9 of 12 polio cases, 9 of 13 contacts, and 2 of 8 suspects and contacts of suspects."

Dr. Milton Feig, Wisconsin State Department of Health, and Dr. Malcolm Robbins, Epidemic Intelligence Service Officer, report that 204 cases of polio have now been investigated in Outagamie County, Wisconsin. (A preliminary report of this outbreak appeared in PSU Report No. 37.) Of these 204 cases, 128 (63%) are paralytic, 62 (30%) are non-paralytic, and 14 (7%) are as yet suspect cases. This county has a population of about 82,000 so that the rate is around 250 per 100,000. Five cases, 1 paralytic and 4 non-paralytic, have occurred among vaccinated children. Five deaths have occurred so far, none among vaccinated children. Investigations of cases in the neighboring counties of Brown and Winnebago are now under way.

The age distribution of these 204 cases, as reported by Dr. Robbins, is as follows:

Age Distribution of Poliomyelitis in
Outagamie County, Wisconsin (Preliminary Data)

Age	Cases	Percent	Paralytic	Non-Paralytic	Suspect
<1	8	3.9	7		1
1	14	6.8	12	1	1
2	26	12.7	16	9	1
3	13**	6.4	10**	2	1
4	17	8.3	14	3	
5	13	6.4	7	6	
6	12*	5.9	8*	4	
7	6	2.9	2	4	
8	8	3.9	4	3	1
9	7	3.4	4	3	
10	3	1.5	2	1	
11	6	2.9	4		2
12	4	2.0	4		
13	4	2.0	2	2	
14	4*	2.0	2*	1	1
15	0	0.0			
16	4	2.0	2	2	
17	6	2.9	3	2	1
18	2*	1.0	2*		
19	2	1.0	2		
20	1	0.5		1	
≥20	44	21.5	21	18	5
Total	204	100.0	128	62	14

*Including one fatal case.
**Including two fatal cases.

A further analysis of the 45 cases in 5-9 year olds (excluding the one suspect case) is considered later.

Dr. L. M. Schuman, Minnesota Department of Health, reports in a recent communication:

"We have been keeping close check on the attack rates in vaccinated and unvaccinated children in the 6 and 7 year age groups. Since our mass vaccination program we have had 16 cases of poliomyelitis among 112,115 vaccinates and 13 cases among 33,259 non-vaccinates or rates of 14.3 and 39.1 per 100,000 respectively. Among these are: vaccinates, 2 paralytic and 14 non-paralytic; non-vaccinates, 6 paralytic and 7 non-paralytic. Although statistically significant, the numerators are still quite small and the season quite young. Nevertheless, if such proportions maintain themselves, it may speak well for even a single inoculation of 1 cc. of the Parke Davis lots

which we used (Parke Davis 029126A and Parke Davis 028849A) although the two groups may not be strictly comparable."

The attack rates are tabled below. This data includes cases reported from

Poliomyelitis Attack Rates in 6-7 Year Olds
in Minnesota (Preliminary Data)

	Cases	Population	Rates (per 100,000) Total	Paralytic	Non-Paralytic
Vaccinated	16	112,115	14.3	1.8	12.5
Not Vaccinated	13	33,259	39.1	18.1	21.0

(Adapted from figures reported by Dr. L.M. Schuman.)

May 20 through the end of August. The number of non-vaccinated in the 6-7 year age group has been tentatively estimated by subtracting the number vaccinated from the 1st and 2nd grade school enrollment. Dr. Schuman states that this discrepancy in the attack rates between vaccinated and non-vaccinated has consistantly appeared for some weeks.

In Polio Surveillance Release No. 9 of the California State Department of Public Health (for the week ending August 20), the following report appears:

> "Since June 15, 32 cases of polio have been reported in vaccinated persons, all in the 5-9 age group. Of these, 7 are paralytic and 25 non-paralytic. During the same period, 78 cases have been reported in non-vaccinated persons, age 5-9, 42 paralytic and 38 non-paralytic. This difference in the paralytic rate between vaccinated and non-vaccinated cases is statistically significant."

Dr. Robert M. Albrecht, New York State Department of Health, reports the data in the table below on poliomyelitis in 6-10 year olds in New York State (excluding New York City) according to vaccination history. All cases reported as of September 2 having onsets after May 20 are included. The data are preliminary as yet, but a thorough follow-up on all cases is in progress, including muscle gradings and laboratory studies. The groups according to vaccination history are (1) vaccinated in 1955 only (almost all having a single inoculation), (2) vaccinated in the 1954 Field Trials only, (3) vaccinated in 1954 with a booster inoculation in 1955, and (4) not vaccinated in either year.

Also included in the table are similar data from Dr. Morris Greenberg, New York City Department of Health, forwarded by Dr. Albrecht. Very few boosters were given in New York City this year, so that group is included under the heading "vaccinated in 1954". This is data reported as of August 26 on 6-7 year olds.

Poliomyelitis in New York by Vaccination History
(Preliminary Data)

Vaccination History	Population (in 1000's)	Cases*			Rates* (per 100,000)		
		P	NP	Total	P	NP	Total
POLIO IN 6-10 YEAR OLDS IN UPSTATE NEW YORK							
Vaccinated 1955	353	10	45	58	2.8	12.7	16.4
Vaccinated 1954	78	0	6	8	--	7.7	10.3
Booster in 1955	20	0	3	6	--	15.0	30.0
Not Vaccinated	280	35	57	108	12.5	20.4	38.6
TOTAL	731	45	111	180	6.2	15.2	24.6
POLIO IN 6-7 YEAR OLDS IN NEW YORK CITY							
Vaccinated 1955	166	6	5	11	3.6	3.0	6.6
Vaccinated 1954	6	0	0	0	--	--	--
Not Vaccinated	87	7	16	23	8.0	18.4	26.4
TOTAL	259	13	21	34	5.0	8.1	13.1

*P-paralytic, NP-non-paralytic; Total in Upstate New York includes 24 cases with paralytic status as yet unspecified.

These preliminary reports from several states seem to indicate a possible trend, not only for lower attack rates among vaccinated children than among unvaccinated comparison groups, but also a "switch" to milder illnesses. In most, but not all areas reporting, higher proportions of the cases occurring among vaccinated children have been non-paralytic suggesting a possible modifying effect. The data are summarized in the following table.

"The Non-Paralytic Switch"
(Preliminary Data)

Study Area	Age Group	Number of Cases*				Percent Non-Paralytic	
		Not Vaccinated		Vaccinated		Not Vaccinated	Vaccinated
		P	NP	P	NP		
Outagamie Co. (Wisconsin)	5-9	24	16	1	4	40%	80%
Minnesota	6-7	6	7	2	14	54%	88%
California	5-9	42	38	7	25	49%	78%
New York State (excl.N.Y.C.)	6-10	35	57	10	54	62%	84%
New York City	6-7	7	16	6	5	70%	45%

*P - paralytic. NP - non paralytic; unspecified and suspect cases not included.

IV. Routine Poliomyelitis Surveillance

The tabular summary lists in detail the polio cases accepted since August 24 with revisions of previously listed cases. Table 2 summarizes poliomyelitis cases in vaccinated individuals accepted by PSU through August 31. Table 3 presents a comparison of "reported" and "expected" cases among Children who received first inoculations in NFIP Clinics through May 7. The "expected" numbers represent rough estimates of the number 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

A laboratory confirmed case of Western Equine Encephalitis in Idaho has been reported to PSU by Dr. Gerald Silverman, Epidemic Intelligence Service Officer. Dr. Silverman Says:

> "The patient is a twenty-two month old girl. She lives on a ranch where there are irrigation ditches and horses, and where the mosquito population has been noticeably heavy. She became ill on July 15, 1955, with high fever, sleepiness, and vomiting. For the next few days she had recurrent generalized convulsions and became stuporous and then comatose. On physical examination the most notable findings were: temperature 105, commensurate tachycardia, respiratory rate of 30, normal blood pressure, coma, spasticity (increased resistance to passive motion) of all four extremities, marked hemiparesis on the right, bilateral positive toe stretch, and bilateral extensor plantar responses. She survived the acute episode and became well enough to leave the hospital, but when I saw her at her home on August 17, she showed the tragic residua of severe mental retardation (she has not talked since she emerged from coma) and spastic hemiparesis on the right.
>
> Spinal fluid showed 22 cells, all lymphocytes, and a protein of 60 mgm %. Her acute serum, run at Rocky Mountain Laboratory, was negative for the usual group of neurotropic viruses. Her convalescent serum gave a positive complement fixation response to Western Equine Encephalitis in a dilution of 1:128, the highest dilution that the laboratory runs."

Dr. Roy Feemster, Massachusetts State Department of Health, reports a possible outbreak of encephalitis in several towns in and surrounding Bristol County, Massachusetts, along the Rhode Island border. A preliminary diagnosis of Eastern Equine Encephalitis has been made in 16 horses from nine towns in this area; the CDC Virus and Rickettsial Laboratory in Montgomery, Alabama, is running laboratory tests on specimens submitted. Two unconfirmed cases in humans have been reported, one in Rhode Island and one in Massachusetts (Cape Cod), the later case having a history of recent polio infection within the household. There are also two cases with a diagnosis of polio encephalitis hospitalized in Boston.

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

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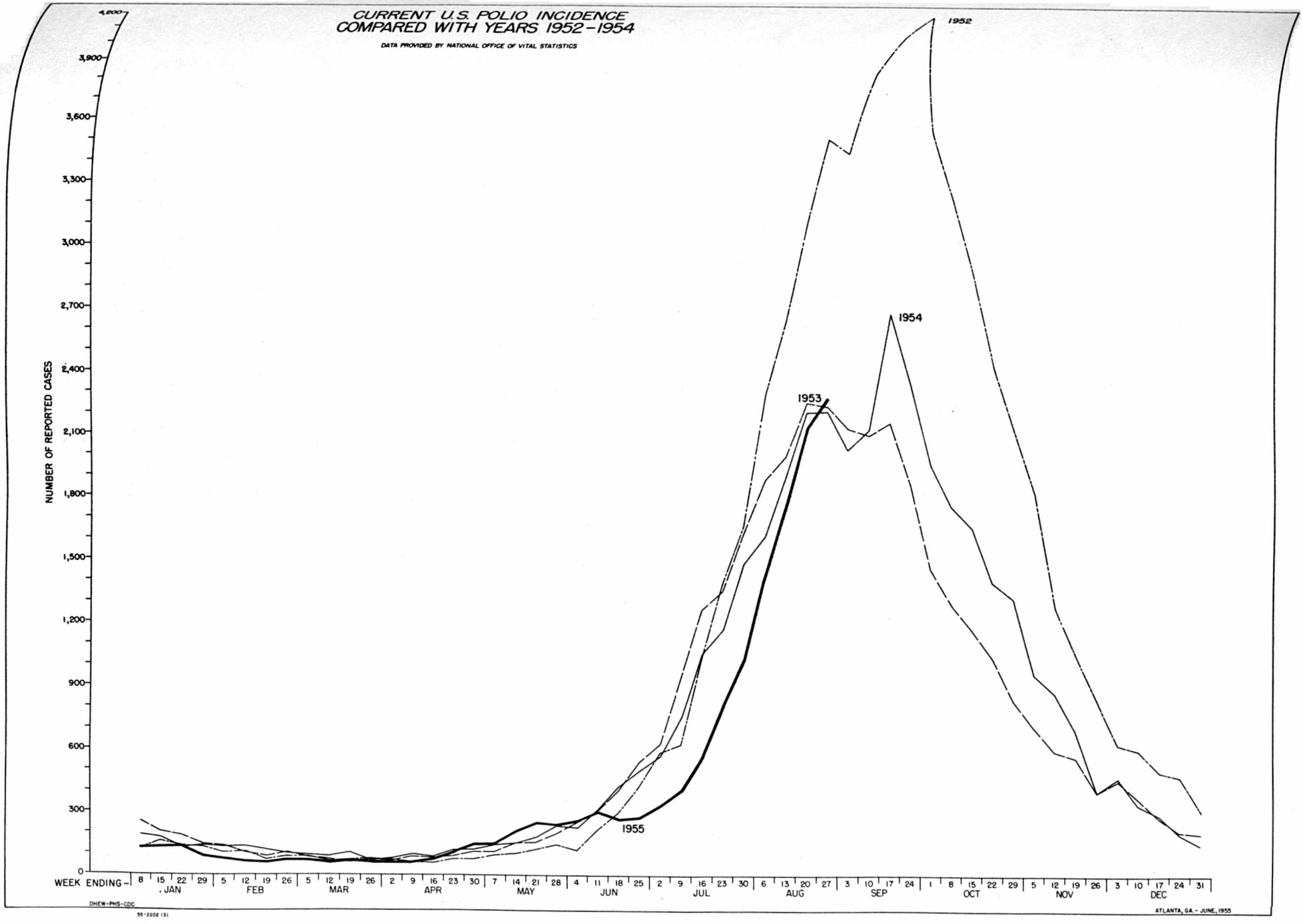
CURRENT U.S. POLIO INCIDENCE
COMPARED WITH YEARS 1952-1954
DATA PROVIDED BY NATIONAL OFFICE OF VITAL STATISTICS
NUMBER OF REPORTED CASES
4,200
3,900
3,600
3,300
3,000
2,700
2,400
2,100
1,800
1,500
1,200
900
600
300
0
1952
1954
1953
1955
WEEK ENDING
8 15 22 29 5 12 19 26 5 12 19 26 2 9 16 23 30 7 14 21 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: 7/23	7/30	8/6	8/13	8/20	8/27	6 Week Total	Comparable Totals In: 1954	1953	1952
United States	812	1037	1412	1786	2138	2279	9464	10589	11353	14609
North East										
Maine	5	2	11	18	13	18	67	43	125	40
New Hampshire	9	16	16	24	41	27	133	27	45	17
Vermont	1	4	2	4	20	13	44	12	26	5
Massachusetts	146	204	309	411	448	355	1873	222	153	161
Rhode Island	4	8	19	16	34	36	117	23	74	12
Connecticut	20	29	38	50	55	56	248	95	106	145
New York	42	65	102	117	169	238	733	478	900	755
New Jersey	12	11	21	39	55	59	197	202	268	222
Pennsylvania	12	27	30	43	51	68	231	299	328	351
North Central										
Ohio	35	38	42	94	91	124	424	584	884	963
Indiana	16	22	29	27	26	35	155	234	210	290
Illinois	19	54	68	75	147	111	474	577	819	961
Michigan	36	50	78	92	94	116	466	669	880	1063
Wisconsin	40	56	105	135	160	353	849	150	225	494
Minnesota	15	24	28	73	62	60	262	226	871	765
Iowa	24	27	45	61	70	44	271	463	274	1067
Missouri	10	6	9	16	13	18	72	179	293	219
North Dakota	1	3	2	4	5	3	18	40	76	50
South Dakota	-	1	8	1	3	11	24	27	58	150
Nebraska	16	19	28	16	23	11	113	215	86	631
Kansas	6	12	19	12	20	21	90	248	176	395
South										
Delaware	1	2	7	3	4	3	20	18	14	38
Maryland	5	9	8	18	23	25	88	43	191	33
District of Col.	5	-	5	1	2	4	17	30	23	52
Virginia	18	21	25	23	27	25	139	193	321	256
West Virginia	4	4	6	11	9	14	48	76	206	249
North Carolina	10	22	23	36	43	38	172	307	379	112
South Carolina	14	8	21	23	21	21	108	104	61	22
Georgia	6	5	15	10	4	14	54	246	132	160
Florida	7	11	12	12	26	16	84	336	124	130
Kentucky	13	17	38	43	36	36	183	246	120	597
Tennessee	7	13	6	8	20	16	70	207	273	164
Alabama	8	8	4	11	13	NR	44	111	118	87
Mississippi	7	8	10	9	10	6	50	186	101	256
Arkansas	6	11	9	16	10	17	69	101	97	104
Louisiana	20	9	14	12	16	11	82	159	115	295
Oklahoma	19	27	21	5	22	15	109	203	193	366
Texas	89	71	81	79	98	80	498	954	460	1354

Table 1 (Continued)

State	Cases Reported to NOVS* During Week Ending: 7/23	7/30	8/6	8/13	8/20	8/27	6 Week Total	Comparable Totals In: 1954	1953	1952
West										
Montana	-	1	4	6	9	3	23	31	61	61
Idaho	7	7	16	9	6	10	55	27	16	84
Wyoming	3	3	-	1	3	-	10	74	22	27
Colorado	9	9	9	8	18	10	63	123	71	166
New Mexico	7	4	6	10	5	10	42	56	28	158
Arizona	1	2	4	2	10	3	22	61	194	90
Utah	-	-	1	6	-	4	11	57	53	31
Nevada	4	1	2	-	1	1	9	52	13	14
Washington	5	12	13	14	17	16	77	95	86	311
Oregon	9	17	10	12	14	18	80	75	62	95
California	59	57	33	70	71	86	376	1405	942	541

*National Office of Vital Statistics

Table 1

TREND OF 1955 POLIOMYELITIS INCIDENCE

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Vermont	1	4	2	4	20	13	44	12	26	5
Massachusetts	146	204	309	411	448	355	1873	222	153	161
Rhode Island	4	8	19	16	34	36	117	23	74	12
Connecticut	20	29	38	50	55	56	248	95	106	145
New York	42	65	102	117	169	238	733	478	900	755
New Jersey	12	11	21	39	55	59	197	202	268	222
Pennsylvania	12	27	30	43	51	68	231	299	328	351
North Central										
Ohio	35	38	42	94	91	124	424	584	884	963
Indiana	16	22	29	27	26	35	155	234	210	290
Illinois	19	54	68	75	147	111	474	577	819	961
Michigan	36	50	78	92	94	116	466	669	880	1063
Wisconsin	40	56	105	135	160	353	849	150	225	494
Minnesota	15	24	28	73	62	60	262	226	871	765
Iowa	24	27	45	61	70	44	271	463	274	1067
Missouri	10	6	9	16	13	18	72	179	293	219
North Dakota	1	3	2	4	5	3	18	40	76	50
South Dakota	-	1	8	1	3	11	24	27	58	150
Nebraska	16	19	28	16	23	11	113	215	86	631
Kansas	6	12	19	12	20	21	90	248	176	395
South										
Delaware	1	2	7	3	4	3	20	18	14	38
Maryland	5	9	8	18	23	25	88	43	191	33
District of Col.	5	-	5	1	2	4	17	30	23	52
Virginia	18	21	25	23	27	25	139	193	321	256
West Virginia	4	4	6	11	9	14	48	76	206	249
North Carolina	10	22	23	36	43	38	172	307	379	112
South Carolina	14	8	21	23	21	21	108	104	61	22
Georgia	6	5	15	10	4	14	54	246	132	160
Florida	7	11	12	12	26	16	84	336	124	130
Kentucky	13	17	38	43	36	36	183	246	120	597
Tennessee	7	13	6	8	20	16	70	207	273	164
Alabama	8	8	4	11	13	NR	44	111	118	87
Mississippi	7	8	10	9	10	6	50	186	101	256
Arkansas	6	11	9	16	10	17	69	101	97	104
Louisiana	20	9	14	12	16	11	82	159	115	295
Oklahoma	19	27	21	5	22	15	109	203	193	366
Texas	89	71	81	79	98	80	498	954	460	1354

Table 1 (Continued)

State	Cases Reported to NOVS* During Week Ending: 7/23	7/30	8/6	8/13	8/20	8/27	6 Week Total	Comparable Totals In: 1954	1953	1952
West										
Montana	-	1	4	6	9	3	23	31	61	61
Idaho	7	7	16	9	6	10	55	27	16	84
Wyoming	3	3	-	1	3	-	10	74	22	27
Colorado	9	9	9	8	18	10	63	123	71	166
New Mexico	7	4	6	10	5	10	42	56	28	158
Arizona	1	2	4	2	10	3	22	61	194	90
Utah	-	-	1	6	-	4	11	57	53	31
Nevada	4	1	2	-	1	1	9	52	13	14
Washington	5	12	13	14	17	16	77	95	86	311
Oregon	9	17	10	12	14	18	80	75	62	95
California	59	57	33	70	71	86	376	1405	942	541

*National Office of Vital Statistics

Table 2

Poliomyelitis Cases in Vaccinated Individuals
(PSU Accepted Cases through August 31, 1955)

	Vaccine Manufacturer* and Paralytic Status**											
	C				L				PD			
	P		NP		P		NP		P		NP	
CASES VACCINATED 5-7 OR BEFORE WITH ONSETS 30 DAYS OR LESS AFTER VACCINATION* **												
Totals through 8-24 (Revised)	60		14		18		24		3		2	
		74				42				5		
(No New Cases 8-25 through 8-31)												
CASES VACCINATED 5-7 OR BEFORE WITH ONSETS 31 DAYS OR MORE AFTER VACCINATION* **												
Totals through 8-24 (Revised)	6		4		17		59		5		20	
New Cases 8-25 through 8-31	0		0		1		4		1		0	
Totals through 8-31	6		4		18		63		6		20	
		10				81				26		
CASES VACCINATED 5-8 OR LATER WITH ONSETS 30 DAYS OR LESS AFTER VACCINATION* **												
Totals through 8-24					7		20		18		18	
New Cases 8-25 through 8-31					1		3		0		2	
Totals through 8-31					8		23		18		20	
						31				38		
CASES VACCINATED 5-8 OR LATER WITH ONSETS 31 DAYS OR MORE AFTER VACCINATION* **												
Totals through 8-24 (Revised)					2		7		18		42	
New Cases 8-25 through 8-31					0		1		2		11	
Totals through 8-31					2		8		20		53	
						10				73		

	Vaccine Manufacturer* and Paralytic Status**							
	PM				W			
	P		NP		P		NP	
CASES VACCINATED 5-7 OR BEFORE WITH ONSETS 30 DAYS OR LESS AFTER VACCINATION* **								
Totals through 8-24 (Revised)	3		2		9		3	
		5				12		
(No New Cases 8-25 through 8-31)								
CASES VACCINATED 5-7 OR BEFORE WITH ONSETS 31 DAYS OR MORE AFTER VACCINATION* **								
Totals through 8-24 (Revised)	8		7		5		9	
New Cases 8-25 through 8-31	0		0		1		1	
Totals through 8-31	8		7		6		10	
		15				16		
CASES VACCINATED 5-8 OR LATER WITH ONSETS 30 DAYS OR LESS AFTER VACCINATION* **								
Totals through 8-24	0		2		1		2	
New Cases 8-25 through 8-31	0		1		0		0	
Totals through 8-31	0		3		1		2	
		3				3		
CASES VACCINATED 5-8 OR LATER WITH ONSETS 31 DAYS OR MORE AFTER VACCINATION* **								
Totals through 8-24 (Revised)					0		0	
New Cases 8-25 through 8-31					0		2	
Totals through 8-31	0		0		0		2	
		0				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 listing according to the second inoculation.

Table 3

Comparison of Reported* and Expected** Cases of Poliomyelitis Among Children Inoculated in NFIP 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	Aug. 6	Aug. 13	Aug. 20	Aug. 27
	Reported P	31	2	2	0	0	-	-
CUTTER	NP	11	5	3	3	1	-	-
303,000	Total	42	7	5	3	1	0	0
	Expected Total	11	12	16	4	4	5	
	Reported P	17	11	12	0	0	1	-
LILLY	NP	22	38	30	8	5	1	-
2,514,000	Total	39	49	42	8	5	2	0
	Expected Total	26	52	95	26	32	30	
	Reported P	1	3	4	1	-	-	-
PARKE-DAVIS	NP	2	4	16	0	-	-	-
860,000	Total	3	7	20	1	0	0	0
	Expected Total	6	11	43	19	26	22	
	Reported P	2	4	5	0	-	-	-
PITMAN-MOORE	NP	2	1	5	2	-	-	-
411,000	Total	4	5	10	2	0	0	0
	Expected Total	2	4	18	6	7	6	
	Reported P	8	3	4	-	-	-	-
WYETH	NP	3	4	6	-	-	-	-
775,000	Total	11	7	10	0	0	0	0
	Expected Total	4	9	20	10	11	15	

*Reported Cases include only cases accepted by PSU through August 31 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.

***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.

****Data from the NFIP.

POLIOMYELITIS AMONG VACCINATED INDIVIDUALS
(PSU Accepted Cases August 25 - August 31, 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						
Mich-15	Wayne	AB	6	F	4-25	6-29	?	LA	?	PD	028860B	
Mich-16	Wayne	NR	9	F	4-22 8-2	8-3	8-3	? ?	?	PD PM	028860B ?	
Cal-59	L. A.Co.	DWB	7	M	5-16	5-30	None	RA	None	PD	028848A	
NY-39	Erie	DH	11	M	5-23	7-10	None	?	None	PD	029129A	Spinal fluid, 270 cells.
NY-40	Erie	RB	8	M	5-?	7-19	None	?	None	PD	028850B	
NY-41	Erie	CR	7	F	5-?	7-23	None	?	None	PD	029129A	Spinal fluid, 900 cells.
NY-42	Broome	DE	7	M	5-20	7-29	None	LA	None	PD	029129A	Spinal fluid, 34 cells.
NY-43	Chautauqua	CEB	8	M	5-?	7-31	None	LA	None	PD	029129A	Spinal fluid 278 cells.
NY-44	Erie	RA	7	M	6-16	7-13	None	?	None	PD	028850B	Spinal fluid 267 cells.
NY-45	Erie	DG	8	M	5-?	7-20	None	?	None	PD	029129A	
NY-46	Westchester	NJR	8	F	5-?	7-18	None	?	None	W	?234 ?236	Vaccinated in Maryland. Spinal fluid, 350 cells.
NY-47	Schoharie	EK	7	M	5-19 8-17	8-18	None	LA LA	None	PD L	029128C 9184-653-802	Spinal fluid, 100 cells.
NY-48	Suffolk	SH	6	M	4-26	8-14	None	LA	None	L	5079-649338	Vaccinated in Florida, spinal fluid, 65 cells.
NY-49	New York	AL	7	F	5-25	8-16	None	LA	None	PD	?029128C	
NY-50	Queens	SY	8	M	5-?	8-12	None	LA	None	PD	029129A	Spinal fluid,17 cells.

PSU CASE NO.	County	Initials	Age	Sex	Date Inoc.	Date 1st Symp.
						NEW
NY-51	Chautauqua	JM	7	M	5-19 8-9	8-18
Fla-16	Bay	SW	7	F	6-20	8-1
W.Va-5	Greenbrier	JWM	6	M	4-26 7-25	8-16
Ind-3	Delaware	JH	8	F	May	7-25
Ind-4	Dearborn	JE	8	F	May	8-1
Wisc-16	Brown	RIH	7	M	5-20 6-20	8-2
Wisc-17	Manitowoc	BB	8	M	5-20	8-17
Wisc-18	Waukesha	CK	8	M	5-23 6-16	8-21
Penn-11	Delaware	AD	7	M	5-?	7-16
Penn-12	Dauphin	CH	8	M	5-28	8-21
Penn-13	Delaware	FG	6	M	5-?	7-26
NH-5	Strafford	DT	9	M	6-7	8-23
Minn-10	Meeker	DR	8	M	5-?	8-24
Cal-73	Sacramento	KTE	8	M	5-25 8-6	8-17

Date 1st Para.	Site Inoc.	Site 1st Para.	Mfr.	Lot No.	Remarks
(Continued)					
None	LA	None	PD	029129A	Spinal fluid,188
	LA		L	6002-653-805	cells.
None	Arm-	None	L	5206-649347	Spinal fluid, Positive
8-23	LL	Leg	L	8122-649334	
	LL		L	"	
7-25	?	?	L	?8122-649334 ?8123-649335	
None	?	None	L	?8122-649334 ?8123-649335	
None	Arm	None	PD	029127A	Spinal fluid, 8
	Arm		PD	"	cells
8-24	LA	Bulbar	PD	029127A	
8-25	LA	LL	PD	029127A	
	RA		PD	"	
None	?	None	W	235	Spinal fluid, 235 cells.
None	LA	None	W	?	Spinal fluid, 77 cells.
7-24	?	?	W	?235, ?236, ?238	
None	?	None	PD	029126A	Spinal fluid, 65 cells, also vaccinated in 1954 field trials.
None	?	None	PD	029126A	Spinal fluid,30 cells.
None	LA	None	L	8124-649336	or 8123-649335
	LA		L	8199-649331	

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)							
Va-19	Fairfax	RB	7	M	4-27	8-9	None	Arm	None	L	8122-64933⅓	Spinal fluid, 119 cells.
Va-20	Arlington	EJV	7	M	4-25	8-10	None	IA	None	L	8122-64933⅓	Spinal fluid, 231 cells.

PSU CASENNO.	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)							
NY-28	Suffolk	SA	10	F	5-20	8-6	None	LA	None	PD	029128C	Spinal fluid 609 cells.
Va-15	Eliz.City	SL	8	F	5-19	7-22	7-22	Arm	LL	L	8122-649334	
Cal-9	L. A.Co.	RN	1	M	4-19	4-24	4-26	IA	Arm	C	E5972	Quadriplegia Type 3 (6-4)
Cal-11	Riverside	DJM	8	F	4-18	4-23	4-26	RL	RL	C	E5927	Type I virus in stool 5-7, (Dr. Lennette)
Cal-28	L. A. Co.	MK	7	M	4-22	5-2	None	LA	None	C	E6037	Type 2 virus 5-25 (Dr. Lennette) Spinal Fluid 1 cell
Ky-1	Rowan	GC	7	M	4-28	6-20	6-26	?	Spinal	PM	175B027	Untypable virus 8-23 (Dr. Schulte)
Miss-1	Sunflower	EMA	6	F	4-18	4-20	None	RA	None	L	5080-649339	
Miss-6	Panola	JP	8	M	4-20	7-5	None	LA	None	L	5080-649349	Untypable agent recovered from siblings (Potash 8-17.)
					5-18			LA		L	5080-649349	
Fla-13	Hillsborough	TT	6	M	4-28	6-14	None	?	None	L	5079-649338	