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POLIOMYELITIS SURVEILLANCE REPORT NO.34 JULY 22, 1955

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 pressor 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 sharply this week as in previous years, but remains somewhat lower than in the same period in the past three years.

Poliomyelitis incidence by states for the weeks ending
June 11 through July 16 is presented in Table 1, together with a six
week total for this and the previous three years. The rise in national
incidence for the current week is due primarily to an increased number
of cases reported from many of the northern states, with particularly
sharp increases in Massachusetts, Rhode Island, New Jersey, Illinois,
Missouri, and Nebraska. Incidence in the southern states remained
relatively stable with marked increases only in North Carolina, Kentucky,
and Arkansas, while none of the Western states showed any major change
from the previous weeks.

### II. Routine Poliomyelitis Surveillance

Table 2 summarizes poliomyelitis cases in vaccinated individuals, in parents and siblings of vaccinated individuals, and in community contacts, accepted by PSU through July 20, 1955. (See tabular summary for details of cases accepted since July 13 and revisions of previously listed cases.)

Table 3 presents a comparison of "reported" and "expected" cases for the weeks ending April 23 through July 23 among children inoculated in NFIP clinics through May 7. The "expected" numbers represent rough estimates of cases that would have occurred in the respective groups of first and second grade children if they had not been vaccinated and if this year's poliomyelitis incidence approximated the median of the last five years. This week a few minor changes in the expected numbers have been made, utilizing revised information from the states on first inoculations in the NFIP program.

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

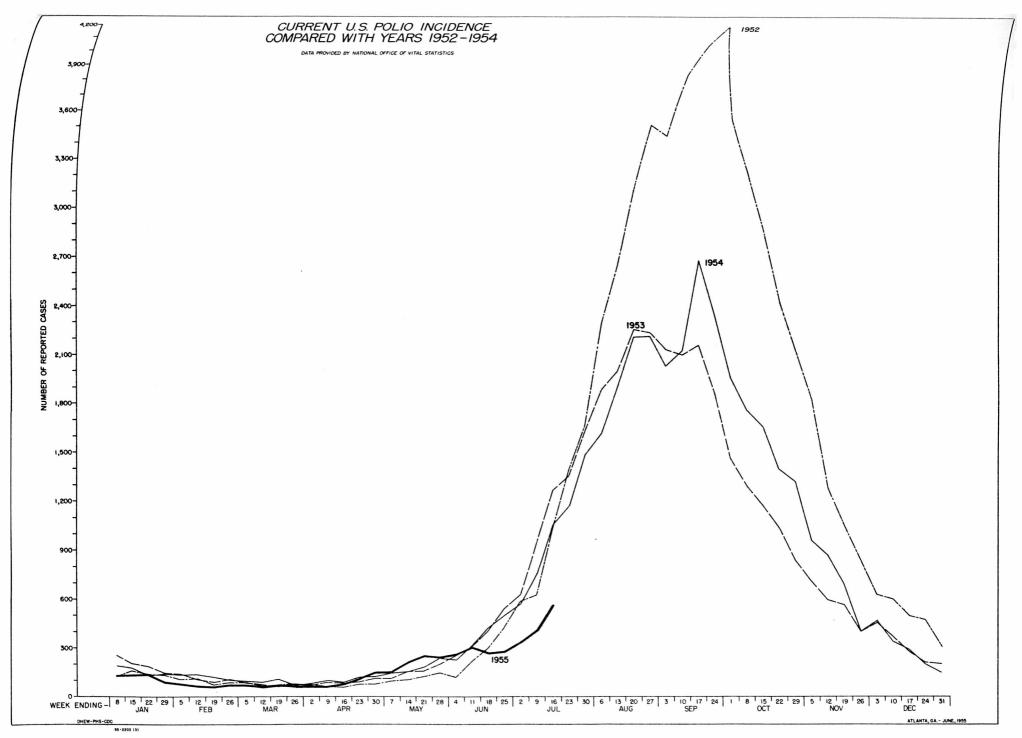


Table I
TREND OF 1955 POLIONYELITIS INCIDENCE

STA	TE.		ases R Durin 6/18	g We	ek E	nding	:	6 Week Total		mparab cals I 1953	n:
	United States	300	266	277	333	406	565	2147	3613	4082	3186
Nor	th East										gravi
	Maine New Hampshire Vermont Massachusets Rhode Island Connecticut	1	1 - 2	1 4 1	1 5	1 3 24 - 5	52 55	4 5 84 6 15	4 2 2 25 1 37	16 14 4 32 7 47	8 2 3 13 7
68 23 210	New York New Jersey Pennsylvania	21 6 7	19 2 8	16 Ա 10	25 5 10	25 3 7	43 16 10	149 36 52	96 Li2 Li2	272 54 74	92 18 18
Nor	th Central Ohio Indiana Illinois Michigan Wisconsin	20 2 8 11 7	4 3 9 3	12 4 13 9 4	22 4 10 9	14 6 5 18 6	21 7 29 31 14	93 26 74 87 43	133 38 91 159 23	206 68 186 144 34	141 26 52 54 26
	Minnesota Iowa Missouri North Dakota South Dakota Nebraska Kansas	2 14 3 1 - 2	3 4 3 1 3	6 3 - 1 1 8	2 10 4 3 - 3 2	13 11 4 3 3	2 14 10 4 - 8 8	28 46 24 13 7 17 26	35 10 <b>7</b> 43 9 10 80 74	146 149 118 4 13 48 77	32 144 28 5 21 61 62
Sou											
	Delaware Maryland District of Col. Virginia West Virginia North Carolina South Carolina Georgia Florida	251336559	1 1 29	2 1 6 1 3 8 4 14	1 3 1 8 3 8 6 5 10	3 7 1 7 2 9 12 6 3	2 2 8 1 20 15 6	7 23 6 36 10 47 47 27	11 5 39 20 49 62 120 246	3 47 11 121 51 258 31 116 85	3 6 31 40 42 2 65 98
	Kentucky Tennessee Alabama Mississippi	6 3 4 9	14 9 5	5 3 3 7	3 8 9	5 10 9	10 9 3 15	29 32 36 45	57 58 68 126	72 141 163 118	32 50 53 145
	Arkansas Louisiana Oklahoma Texas	3 10 3 52	7 14 5 62	1 12 3 45	5 17 4 43	5 8 12 76	11 3 8 83	32 64 35 361	65 115 127 658	75 142 140 430	l;1 16l; 105 101 <b>7</b>

Table I (Continued)

CMART		ases l	ng We	ek E	nding		6 Week Total		parable als in 1953	:
STATE	0/11	0/10	0/25	1/2	1/9	1/10	Total	1954	1900	
West  Montana Idaho Wyoming Colorado New Mexico Arizona Utah	11 2 1	3 - 1	2 7 1 3 1 2	2 8 1 6 10 6 2	1 7 - 2 8 -	6 - 2 4 3 1	5 42 2 18 26 12	45 45 33 16 1:7	13 3 8 25 24 28 19	19 7 5 29 47 29 1
Nevada	7	5	3	6	4	2	27	15	9	/0
Washington Oregon California	9 4 39	2 1, 2 <b>%</b>	2 3 33	3 25	5 4 43	7 5 49	28 23 210	28 30 498	26 16 294	68 23 249

<sup>\*</sup>National Office of Vital Statistics

Table 2 Poliomyelitis Cases with Some Association with Poliomyelitis Vaccine (PSU Accepted Cases through July 20, 1955)

	P	C* NP	1 P	L NP	P P	D NP	-	M NP		W NP
Cases Vaccinated 5-7 or Before	wit	h Ons	ets 30	) Day	s or	Less	s Aft	er '	Vaccin	ation
Totals thru 7-20 (No New Cases 7-14 thru 7-20)	62	12 4	17 Ա	23	2 4	2	3 5	2	9	3 12
Cases Vaccinated 5-7 or Before	with	Onse	ts 31	Days	or M	lore	Afte	r V	accina	tion
Totals thru 7-13 (Revised) New Cases 7-14 thru 7-20 Totals thru 7-20	1 0 1	1 0 1 2	9 2 11 3!	22 2 24	2 0 2	3 0 3	3 0 3	0 1 1	1 2 3	0 0 0 3
Cases Vaccinated 5-8 or Later v					_			-		-
Totals thru 7-13 (Revised) New Cases 7-14 thru 7-20			3	0 jt		10	1 0	0	<b></b>	
Totals thru 7-20	0	0	3	 7	12	10	1 1	0	0	0
Cases Vaccinated 5-8 or Later v	vith	Onset	s 31 1	Davs	or M	: משלה	after	· Va	ccinat	ion
Totals thru 7-13 (Revised) New Cases 7-14 thru 7-20				- wy 2	2	1				
Totals thru 7-20	0	0	0	0	3	2	0	0	0	0
Cases in Family Co	ontac	ts of	Vacc	inate	ed Ind	livi	duals	3		
Totals thru 7-13 (Revised)** New Cases 7-14 thru 7-20	68	20 1	23 2	6 1	5 5ل	8	2	0	10 0	3
Totals thru 7-20**	68 8	21 9	25	7 32	26 31	8	2	0	10	3
Cases in Community	Cont	acts	of Va	ccina	ated 1	[ndi	vidua	als		
New Cases 7-14 thru 7-20	1) <sup>†</sup>	2	5	0	2 1	0 1	0	1	O Tt	3
Totals thru 7-20***	14	.6	5	0	3	1	0	1	4	3 7

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

Does not include 5 paralytic and 2 non-paralytic cases whose contacts had inoculations with vaccines of two manufacturers.

Does not include 1 paralytic case whose contacts had inoculations with vaccines of two manufacturers.

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Table 3

Comparison of Expected\* and Reported\*\* Cases of Poliomyelitis

Among Children Inoculated in NFIP Clinics from April 15 to May 7, 1955

Vaccine M and Number Vaccinate	r		Apr. 23	Apr. 30	May 7	May	May 21	May 28	June 4	June 11	June 18	June 25	July 2	July 9	July 16	July 23
Cutter 303,000	Reported T	P NP Total Total	7 1 8 0-1	14 14 0-1	8 5 13 1	1 2 3 1	2 2 1	_ 1	- 1	1 1 2	1 1 2	<del>-</del> 2	<u>-</u> 3	<del>-</del> 4	_ 4	<del>-</del> 6
Lilly 2,514,000	Reported T	P NP Fotal	3 1 4. 1	3 3 6 4	3 4 7 5	3 8 11 6	3 7 10 6	3 10 13 7	1 2 3 11	2 2 4 16	3 4 7 20	3 4 7 22	1 2 29	1 2 39	1 1 37	- 43
Parke-Dav		P NP Total Total	- 0-1	- 0-1	_ 0-1	- 0-1	1 1 1	1 3 4 1	1 1 2 1	1 1	1 1 2	<del>-</del> 3	- 3	_ 10	- 15	_ 19
Pitman-Mo		P NP Fotal Fotal	- c	- 0-1	1 1 0-1	1 2 0-1	1 0-1	_ 0 <b>-</b> 1	3 3 1	- 1	1 1 2 1	- 2	<del>-</del> 3	<del>-</del> 6	- 6	- 9
Wyeth 775,000		P NP Iotal		1	2	2 2 4	3 1 4	1	1	-	-	-	_	2	<u>-</u>	
	Expected I	<u> rotal</u>	0	0-1	0-1	0-1	0-1	0-1	0-1	0-1	1	22	3	3	4	7

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\*Expected Cases estimated from weekly 5-year medians of cases of poliomyelitis (paralytic and non-paralytic) reported to National Office of Vital Statistics by the States.

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

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. WYETH vaccine was used in Pennsylvania, Delaware, Maryland, District of Columbia, and part of Ohio.

## POLIOMYELITIS AMONG VACCINATED INDIVIDUALS (PSU Accepted Cases July 14-July 20, 1955)

PSU CASE NO.	County	Ini- tials	Age	Sex	Date Inoc	Date 1st Symp	Date 1st Para	Site Inoc	Date 1st Para	Mfr.	Lot No.	Remarks
NY-18	Kings	CO	6	M	6–2	76	<u>NEW</u> 7 <b>→1</b> 0	LA	Legs	PD	025127A	Bulbar, died 7-12. Had chicken pox 2 weeks before.
Ark-4	Sebastian	TA	8	M	4-19	7–11	None	LA	None	L	7080 <b>–</b> 649342	Spinal fluid, 120 cells.
Ark-5	Phillips	JBN	8	M	4 <b>-</b> 20 5 <b>-</b> 4	7-7	7–7	LA LA	LL	L	7080 <b>-</b> 645342	
Mo-4	St.Louis	SM	7	F	4-27	6-13	None	?	None	PM	?	Spinal fluid, 512 cells
Pa-8	Northampto	n RP	7	M	4-28	76	7-12	LA	Bulbar	· W	23716	
Pa-9	Venango	JF	7	M	4-25		<b>7-</b> 9	RA	Neck	W	?23612	
Va-9	Pulaski	LSD	7	M	60 4 <del>-</del> 29 4-28	6-27	6-30	Arm	d back RL	L	7238 <b>C</b> 1 7080 649343	
NH→l	Cheshire	GG	8	M	Early June	7–1€	None	?	None	PD	029126A	

PSU CASE NO.	Ini- County tials	Age	Sex	Date Inoc.	Date 1st Symp.	Date 1st Para	Site Inoc.	Site lst Para	Mfr.	Lot No.	Remarks
						NE	W (Cont	inued)			
NY-19 NY-20	Westchester La Rensselaer MM	5 8 McN 7	M F	6-2 6-20 Early May	6 <b>–</b> 30	6 <b>-</b> 30 None	LA LA LA	RL None	PD PD L	029128C 029128C ?	Spinal fluid 100 cells, Non-paralytic, Vaccinated in Tennessee.
				(R	evised	REVISI Items		ned)			
Ida16	Nex Perce JG	7.	M	4e21	5-1	<b>5-</b> 6	LA	LA	C	?6039 ?6058	Type I virus 7-2 (RML)
NY-6	Monroe BDS	9	M	5-25	6- <u>7</u>	None	LA	None	PD	0251280	Spinal fluid 60 cells, Non-paralytic.
NY#11	Sullivan MS	8	M	4-19	6-18	6-21	RA	Right fazia		?	Vaccinated in Texas

# POLIOMYELITIS AMONG UNVACCINATED PERSONS GIVING HISTORY OF FAMILIAL CONTACT WITH INDIVIDUALS WHO HAVE RECEIVED POLIOMYELITIS VACCINE (PSU Accepted Cases July 14 - July 20, 1955)

Vaccinated	Individuals
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Poliomyelitis Cases (Not vaccinated)

PSU		Ini-			Date	Date	Ψ <sub>z</sub> m <sub>o</sub>		Lot	Ini-			Date 1st	Date	Site 1st	kudawa kunganunga pundan nepinsa nebinah magan sain sain dipagain dupa si masurikatai kili balkata dipagai Sh
CASE NO.	County	tials	Age	Sex	Inoc	Illness	Type Illness	Mfr.		tials	Age	Sex	Symp	Para	Para	Remarks
	······································															THE PARTY OF THE PROPERTY OF THE PARTY OF TH
									NEW							
NY-X9	Orange	?S	9	M	5 <b>-</b> 20	?	?	PD	02912 <del>8</del> C	SS	15	F	6-20	6-24	RA	
Ida-X28	Bingham	<b>?</b> H	?	?	4 <b>-</b> 19 (	or?	?	С	?E6039 ?E6058	FH	4	M	6-1	None	None	Type 1 virus from case 7-1; (RML).
Miss-X5	Yazoo	TA	7	$\mathbf{F}$	4-27	None	None	${f L}$	5080-6493		1 13	M	5-27	None	None	Spinal fluid, 444 cells.
Ala-Xll	Shelby	?H	7	M	4-21	None	None	L	5079-6493		37	F	7-2	7-5	Arms, L	egs, trunk.
Ark-X2	Miller	JBG	6	M	5-18	7-12	fever	L	7080-64931		14	M	7-12	7-12	•	
NY-X10	Erie	W?	?	: <b>?</b>	6-2	, <b>?</b>	Sec.	PD	029129A	GD	5	M	7–4	7-4	Bulbar	Carly 1 1981 Seconds of Anthrop
									REVIS							TOP-ENDOTED OF CONTRACT
AC-X7	Take	30	J.		South	Mone	3774	(Rev	rised Items	Under	ined)	3	\T	ż	100 16.3	The Lybras from M. sad
Ida-X10	Nez Perce	?A	7	$\mathbf{F}$	4-19	?	?	C	?E6039	RA	3	M	5-14	5-18	RL	Type I virus from case and
pur-ya	интеед	201	7	-	2-80	Figure .	?	111	?E6058	08	2	F	ر در صور	٠		vaccinated contact 7-5 (RM
Ida-X14	Ada	KK	~7	F	?	?	?	C	COMP.	KK	2,	F	5-24	5-27	II.	Type 1 from case and parent
Ida-X18	Ada	WL	9	M	4-27	None	None	C	red Hogerian	$\mathbf{L}\mathbf{L}$	10	F	5-14	None	None	Spinal fluid, many cells.
HE W	Debrick	4147	100	15,1.5	Dec.	TITE :		11,54	35.5	H Jis	85.0	Sele	Byring	110.0	1.00.8	Type 1 virus, from case and 2 non-vaccinated contacts
30		Ind-			Dake	Puch	11.4		land.	THE.			1002		THE	7-13(RML).
Ida-X20.	Ada	KR	10	F	4-20	None	None	C		PR	35	M	5-15	5-21	bulbar	Died 5-23, Type 1 virus from
		JR	9	M	4-20	None	None	С	11							one vaccinated and one non-
								TITE!	er <b>j</b> a rote	G DELTH	enra)	-				vaccinated contact 7-13 (R
Ida-X5	Ada	?	?	$\mathbf{F}$	4-20	?	?	C	and the same	SE	5	F	6-4	6-6	RL	Type 1 virus from case 7-11
																(RML)
																Name of the last o

### FAMILIAL CONTACTS (CONTINUED)

		100		2.5		1. *			Ų.							The state of the s
PSU CASE NO	County	Ini- tials	Age	Sex	Date Inoc	Date Illness	Type Illness	Mfr.	Lot No.	Ini→ tials	Age	Sex	Date 1st Symp	Date 1st Para	Site 1st Para	Remarks
ICA-XIV	. एय <b>ड</b>				7-54			Revisio	ons (Contin	nued)				N u		
Minn-Xl	Ramsey	SW	7	F	5-24	None	None	PD	028849A	JM	34	F	6-8	?		Paralytic. Type I from JW
	760 1,0402							0		EV				1,-116		and SW.
Ore-X7	Lane	SA	7	F	5-24	None	None	PD	028847A	МО	35	F	7-1	?	Bulbar	Type I virus from SA and 4 non-vaccinated contacts.
NY-X5	Sullivan	TM	<u>5</u>	M	5-19	None	None	PD	0291280	PIM	27	F	6-12	6-13	Trunk	Quadraplegia (Mother of NY-X2)
NY-X2	Sullivan	<u>TM</u>	<u>5</u>	M	5-19	None	None	PD	029128C	PKM	3	F	6-4	6-7	Arms	Paralytic (Daughter of NY-X5)
TO SECTION	i su i	TA	1	Ĭt.	80	MO11a			.76058 5760-649.					į m.	Mode	Tarbeg i passi gyr a mer
190-359		1.11				01. 3			11 (4.13)	194			Ę.,.,		ACLIE	Type A virue from oaso 7-1.

## POLIOMYELITIS AMONG UNVACCINATED PERSONS GIVING HISTORY OF COMMUNITY CONTACT WITH INDIVIDUALS WHO HAVE RECEIVED POLIOMYELITIS VACCINE (PSU Accepted Cases July 14 - July 20, 1955)

PSU CASE NO.	County	Ini- tials	Age	Sex		Date Illness	Type Illness	Mfr.	Lot No.	Ini- tials	Age	Sex	Date 1st Symp	Date 1st Para	Site 1st Para	Remarks
									NEW							
Wash-C3	Franklin	n KB	8	F	5 <b>-</b> 26	None	None	PD	?029127A ?02912€A	MEC	6	М	6-4	None	None	Spinal fluid 36 cells, non- paralytic. Household visitor.
Wash-C4	Whitman	TMcI	7	M	5 <b>-</b> 23	to None	None	FD	029127A	RAMcK	6	M	6-23	6-26	Trunk	LA also paralyzed
		NMcI	. 6	F	11	11	11	11	ff							