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POLIOMYELITIS SURVEILLANCE REPORT NO. 23 MAY 27, 1955 WEEKLY REPORT INCLUDED

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE PUBLIC HEALTH SERVICE

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## SPECIAL NOTE

The information provided in this report represents the latest 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 confirmation and change. It is distributed for the benefit of all participants with the understanding that it will not be released to the press or to unauthorized persons. Any release of this information will be strictly limited to the Office of the Surgeon General, United States Public Health Service, Washington, D. C. In such releases cases will be identified by State only; initials and residence will not be made public. State Health Officers, of course, are free to reveal any information they may wish concerning data from their State.

# Poliomyelitis in Vaccinated Individuals

Accepted cases total 113 at 12:00 Noon 5-27-55 (Table 1). Three from Maryland and Ohio and one a Lilly associated non-paralytic case from Texas. PSU Case No. Pa-1 has been dropped following reclassification by the Pennsylvania State Health Department.

Dr. Werner Henle, Children's Hospital, Philadelphia, reports isolation of type 1 poliomyelitis virus from PSU Case No. Pa-3 and from one contact of this case. This patient developed paralysis in the left arm 14 days following inoculation in the left deltoid with Wyeth vaccine.

#### Poliomyelitis in Parents and Siblings of Vaccinated Individuals

Accepted cases total 47 at 12:00 Noon 5-27-55. Seven new cases were accepted today (Table 2). Of these seven, four (Pennsylvania - 1, Maryland - 1, and Ohio - 2) gave a history of family contact with a Hyeth vaccinated child; two from Ohio and Texas a history of contact with a Lilly vaccinated child and one from Texas a history of contact with a Cutter vaccinated child.

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Neal Nathanson, M.D. Chief, Polio Surveillance Unit

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#### Table 1

### Vaccinated Cases by State and Manufacturer (PSU Accepted Cases Through May 27, 1955)

Stot	C	; <del>*</del> *		L	. 1	PD	1	PM	ĪA	T		
<u>suate</u>	<u>P*</u>	NP*	P	NP	P	NP	P	NP	P	NP	Total	
California Idaho Oregon Louisiana Washington	27 15 3 1 1	6 1	2	2							33 16 3 5 1	
Colorado Illinois Indiana Georgia New York	1 1 1 1		1 1		2						1 3 1 2 1	
West Virginia Texas Hawaii Missouri Nevada	1 1 1 3	1	4 1	12							4 14 1 1 4	
Pennsylvania Wyoming Connecticut Mississippi Ohio	1	l	l						3	3	6 . 1 1 1 3	
Virginia Delaware Arkansas Nebraska Arizona Maryland		-1		3 2				2	1 2 1		3 2 2 1 1	
Sub-Totals	59	10	10	19	2	0	0	2	7	4	-	
Totals	6	9	2	29	2	2		2	1	1	113	

\*\* P - Paralytic; NP - Non-paralytic \*\* C - Cutter; L - Lilly; PD - Parke-Davis; PM - Pittman-Moore; W - Wyeth

## Table 2

# Poliomyelitis in Parents and Siblings of Vaccinated Individuals (PSU Accepted cases through May 27, 1955)

												R	elation	ship	1	Health d	of
	14-11 12				Manu	factu	rer**					t	o Vacci	nate	•	Vaccinat	te
	- S - T		С	I		V	Ň	F	PD	P	M	Par-	Sib-	No		Not	No
State		P*	NP*	P	NP	P	NP	P	NP	P	NP	ent	ling	Data	<u> </u>	Ill	Data
														1 N			
California	5	6	1							e		5	1	1	2	2	3
Idaho		6	1										7		2	3	2
Colorado		2										2				2	
Georgia		3										2	1		2	1	
Maryland	T.	1				4	l					1	4	l	1	4	1
Montana		l										l			l		
Nevada		3	l									l	3		1	3	
Tennessee		l										l			1		
New Mexico		2											2		1	1 .	
Texas		l		2								2	1			3	
Arizona			2									2				1	l
Hawaii		1											1		1 6		
Dist.Colum	oia					1							1			1	
Oregon		l											1			1	
Washington		l	l									2			1	1	
Pennsylvan	a					1						1					1
Chio	k La cara	1	ŧ	1		1	l					l	2		1	2	
Sub-totals		29	6	્ય	0	7	2	0	0	0	0	21	24	2	ור	25	8
			-	2	•	1	-	U	U U	Ŭ	v	<u> </u>	64	5	<b>1</b> 7	2)	U
Totals		3	35	3	and the state		9	С	)		0		47			47	
	A.A.			1 and	N III N	h.								E de			

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P - Paralytic; NP - Non-paralytic C - Cutter; L - Lilly; W - Wyeth; FD - Parke-Davis; PM - Pittman-Moore

CSF - Cerebero-Spinal Fluid

#### DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE COMMUNICABLE DISEASE CENTER PUBLIC HEALTH SERVICE

### POLIOMYELITIS SURVEILLANCE UNIT

### Accepted Cases Associated with Poliomyelitis Vaccine Daily Supplementary Report

PSU CASE NO	Residence	Ini- tials	Age	Sex	Date Inoc	Date lst Symp	Date 1st Para	Site Inoc	Site lst Para Mf	'n	Lot No	Remarks
Md-1	Rockville	?C	6	М	5-3	5-21	5-26	LA	Bulbar	W	236??	
Ohio-3	Weston	DL	8	М	4-28	5-17	5-20	LA	Bulbar	M	23516	
Tex-14	San Antonio	DC	8	м	4-29	5-9	None	Arm	None	L	7080-649342	CSF 64 cells, non-paralytic

	RI	EVISIONS	
Revised	Items	Underlined	5-27-55)

Pa-1	Dropped - Not	: Polio										
Pa-3	Philadelphia	FD	7	М	4-27	5-6	5-11	LA	LA	W	?23506-11	Type 1 virus from case and
Ohio-2	Cincinnati	KCB	7	М	4–27	5-17	None	LA	None	W	?23709 ?23710	CSF 20 cells, non-paralytic
Code of A F N C I	Abbreviations: SU - Poliomyel Mfr - Manufactu C - Cutter La L - Lilly Lat J - Wyeth Lat	litis Surer aborator porator: porator:	urvei ries ies ies	lland	ce Unit		LA - 1 RA - 1 LL - 1 RL - 1	Left A Right Left L Right	rm Arm eg or Bu Leg or B	ttock	s ks	

## POLIONYELITIS AMONG UNVACCINATED PERSONS GIVING HISTORY OF FAMILIAL CONTACT WITH INDIVIDUALS WHO HAVE RECEIVED POLIOMYELITIS VACCINE (PSU Accepted Cases May 27, 1955)

	Vaccinated Individuals								Poliomyelitis Case (Not Vaccinated)				(Not Vaccinated)			
PSU CASE NO	Residence	Ini- tials	Age	Sex	Date Inoc	Date Illness	Type Illness	Mfr	Lot No	Ini- tials	Age	Sex	Date lst Symp	Date 1st Para	Site lst Para	Remarks
Pa-X1	Chambersburg	?S	?7	F	4-25	?	?	W	23612	EES	29	F	525	?	Leg	
Md-X6	Luther ville	?Т	6	F	4-25	None	None	W	23606	RT	10	F	3-14	None	None	CSF 40 cells, non-paralytic
Tex-X2	Bellaire	CS PS	4 3	M F	4-24 4-24	None None	None None	C C	? ?	JS	29	F	5-6	514	-	Quadriplegia
Tex-X3	Dallas	CR	8	М	4-20	None	None	L	7078-649343	AR	4	Μ	4-29	5-1	RL	
Ohio-Xl	Columbus	RS	6	М	425	None	None	L	8125-649337	RS	26	F	5-3	?	?	Spinal paralytic
Ohio-X2	Cincinnati	BD	6	F	5-6	None	None	W	?23709	RS	14	M	5-24	None	None	CSF 19 cells, non-paralytic
Ohio-X3	Millersburg	TM	8	M	4-25	5-12	Fever Headache Vomiting	W	23518	SM	5	M	5-12	?	?	Paralytic RA, RL, LL. Five other members of family ill.5-12
				~					REVISION	S						
								(	Revised Items	Underli	ined)					
Ga-X1	Atlanta	PS	1	М	4-18	4-20	Fever	C	?E6044 ?E5973	FS	29	F	5-7	5-9	Legs	8 months pregnant Fulminating bulbar, Died 5/12
Wash-XL	Yakima	GLR KSR	3 1	F F	<b>4-1</b> 6 4-16	None	None None	C C	<u>185972</u> 15972	MJR	26	F	5-4	5-6	Bulbar	

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DHEW, USPHS, CDC May 27, 1955

#### FIFTH WEEKLY SUMMARY

The present summary includes data on poliomyelitis in 1) vaccinated individuals, 2) in parents and siblings of vaccinated individuals, 3) in community contacts of vaccinated individuals and 4) current morbidity trends in poliomyelitis this year.

## Poliomyelitis in Vaccinated Individuals

A total of lll cases have been accepted through May 26. Of these, 69 are Cutter associated cases. The majority of which were reported from California and Idaho, with a scattering through the rest of the country. A total of 28 Lilly associated cases have been accepted from seven Southern states and one Northern state, with the greatest number reported from Texas. It should be noted that for many years a large fraction of cases reported from Texas and other Southern states have been non-paralytic.

Ten Wyeth associated cases have been accepted from Pennsylvania, Ohio and Delaware. Two Pittman-Moore associated cases from Nebraska and two Parke-<sup>Avis</sup> associated cases from Illinois have been accepted.

It is of interest that 59 of 69 Cutter associated cases are paralytic, Whereas only 10 of 28 Lilly associated cases are paralytic. Of the 10 Wyeth associated cases, 6 are paralytic. Both of the Parke-Davis associated cases are paralytic but both of the Pittman-Moore associated cases are non-paralytic.

It should be noted that the 10 Gutter associated cases accepted during the past week had been received some time ago, but were being held in the files pending receipt of further information. At present there are only five Cutter associated suspects outstanding.

and is therefore not included in the present summary.

In Table 1 vaccinated cases are groupe? by the interval between inoculation and onset of symptoms. In the Fourth Weekly Summary, tabulation was based on the interval between inoculation and paralysis. This excluded bon-paralytic cases which have now been included. Onsets of Cutter associated cases occurred for the most part 5 to 12 days following inoculation while onsets of Lilly associated cases occurred up to 28 days following inoculation. Interval wyeth associated cases had onsets from one to twenty days following inocucases to permit any generalization.

Table 2 shows that in 43 of 55 Cutter associated paralytic cases for  $w_{hich}$  data is available, a correlation exists between site of inoculation and  $a_{ssociated}$  paralysis. A similar correlation is found in one of ten Lilly  $P_{arke}$ -Davis associated cases and in 3 of 6 Wyeth associated cases. One of two  $w_{oore}$  associated cases is paralytic. A comparison of expected and reported cases is presented in Table 3. Through the courtesy of the NFIP, information for each state was provided, including estimated populations in 1st and 2nd grades, estimated number of children inoculated in NFIP clinics through May 7, and manufacturer of the vaccine provided to each state. These data have been consolidated, giving an estimate of the number of inoculations given by each manufacturer.

From the data available in the Statistics Section of CDC. an estimate was made of the number of cases of poliomyelitis that might be expected to have occurred purely by chance among these groups. This estimate was based on weckly 5-year medians of reported cases of poliomyelitis for each state. Extensive studies of the age distribution of policmyelitis in 1952 revealed that 9.7 per cent of the cases, both in the North and in the South, occurred in 7 and 8-year-old children. Therefore, as a reasonable approximation, it was assumed that 10 per cent of the 5 year median could be expected among 1st and 2nd grade children. These estimates for each state were then corrected for the per cent of the 1st and 2nd grade children inoculated prior to May 7. These estimated were consolidated and are shown in Table 3 as "expected cases". They may be compared with the "reported cases" occurring among 6, 7, and 8-year-olds, and accepted by PSU. The reports available for the calculation of "expected" cases were not broken down into paralytic and nonparalytic poliomyelitis, so that a comparison between "expected" and reported cases must be based on total reported cases.

For the period April 16 through May 21, 5 cases were expected among 308,748 Cutter vaccinated children, whereas 35 have been reported. Expected cases among Lilly vaccinated children total 24 with 27 reported; expectancy was 2 with 2 cases reported among Pittman-Moore inoculated children, and expectancy was 3 with 1 case reported among Parke-Davis inoculated children. One cases was expected among the 775,920 Wyeth vaccinated children while 10 were reported.

It should be noted that 27 of the 35 Cutter associated cases inoculated in NFIP clinics are paralytic, whereas there are only 10 paralytic cases among the 28 Lilly associated cases. Six of ten Wyeth associated cases are paralytic as are both Parke-Davis associated cases. The two Pittman-Moore associated cases are non-paralytic.

#### Poliomyelitis Among Parents and Siblings of Vaccinated Individuals

To date a total of 40 cases of this type have been accepted. Of these 34 occurred in family contacts of Cutter vaccinated children with cases accepted from 13 States. Five cases (four from Maryland and one from District of Columbia) have occurred in contacts of Wyeth vaccinated children. One case reported from Texas occurred in a family contact of a Lilly inoculated child.

Cases occurred with approximately equal frequency among parents and siblings of vaccinated children and in about one-third of the cases the vaccinated child had had a minor illness several days to a week after inoculation. In Table XI cases are tabulated by interval between vaccination of inoculated child and onset of paralysis in poliomyelitis case. Of the 25 paralytic cases among contacts of Cutter vaccinated children and on which data is available, 24 had onsets in the period 18 to 29 days after inoculation of the contact. Onsets of the five cases giving a history of contact with a Wyeth vaccinated child fall also in this period. The one case in an individual giving a history of contact with a Lilly vaccinated child had onset of 17 days after inoculation of the contact.

In two cases of this type virus isolations have been reported. Type 1 Virus has been isolated from two Cutter vaccinated children as well as from the 2 Poliomyelitis cases occurring in their families.

## Policmyelitis in Community Contacts of Vaccinated Individuals

PSU has recieved reports from five states of 10 cases of poliomyelitis among individuals who had some degree of prior contact with a vaccinated child in their community. Of these ten, three were reported from Minnesota, Maryland and Washington, all giving a history of contact with a Cutter vaccinated individual. Type 1 virus has been isolated from the stool of the Minnesota case; the only isolation yet reported in this group. One case from Florida had been in contact with a Lilly vaccinated child and six **Re**nnsylvania cases had had contact with Wyeth vaccinated children. It is of interest that only a small number of privately inoculated individuals received Cutter vaccine in the three States from which cases have been accepted, while Lilly vaccine was used throughout NFIP Clinics in Pennsylvania.

Cases in community contacts of vaccinated individuals will be included in daily reports as they are accepted but are not at present compiled in a tabular summary.

# Current Morbidity Trends

In the accompanying figure and table.

Poliomyelitis incidence by week for the present calendar year with similar data for the three preceding years is presented in the figure. Data for total cases of poliomyelitis by week have been abstracted from Reports of the National Office of Vital Statistics. Poliomyelitis incidence for the month of January ran at a lower level than the preceding three years. During February, March, and the first two weeks of April, incidence fell to a consistent lew of approximately 50 cases each week. Incidence rose slightly during the week ending April 16 and then rapidly during the last two weeks of April. During the first week of May, there was no increase, but during the next two weeks incidence rose very sharply to outstrip the preceding three years.

April 9 through May 21 is presented in the accompanying table with comparable data for the three preceding years. Cases reported during this six week period for the current years exceed those for the preceding three years. In the Northeast incidence is generally low at this time of year, and is similar to that in previous years. In the North Central States incidence is running ahead of that for 1954 with the exception of Misscuri and South Dakota. In the South poliomyelitis incidence is running ahead of 1954 in eight States reported more than half of the cases occurring in the South during this period in 1954. In the West, eight states are running ahead of 1954, notably Idaho with 40 cases in 1955 as compared to 3 for 1954. Six western states are running behind 1954 reports, notably including California with 160 cases reported this year in comparison to 162 for 1954.

> (This Summary Report. has been prepared by Dr. Neal Nathanson, Dr. Alexander D. Langmuir, and Mr. Earl Diamond. Special assistance in the calculations in Table 3 and on the figure and table describing current morbidity trends was provided by Dr. R. E. Serfling, Mrs. Ida Sherman, Mr. Jack Karush, and Mr. Jack Hall.)

#### TABLE 1

## Cases by Interval Retween Incculation And Onset of Symptoms (PSU Accepted Cases in Vaccinated Individuals Through May 26, 1955)

Interval	Inoculation		2	1	L	И	I	P	M	PI	C
to First	Symptoms	Р	NP	Р	NP	P	NP	P	NP	P	NP
0 - 4 5 - 8 9 - 12 13 - 16	days days days days	36 15 4	3 2 2	2 3 2	2 2 1 2	2 2	1 1 1		1	1 1	
17 - 20 21 - 24 25 - 28 29 - 32	days days days days	l	2 1	l l	3 3 4 1	2	l				
Data Inco	omplete			l							
Sub-tot	als	59	10	10	18	6	4	0	2	2	0
Totals		69	9	28	3	נ	.0	2		2	

#### TABLE 2

Cases by Site of Inoculation Site of First Paralysis, and Manufacturer (PSU Accepted Cases through May 26, 1955)

	Site	of	1	Manufact	urer	Pittman-	Parke-
	Inoculation	First Pa <b>ra</b> lysis	Cutter	Lilly	Wyeth	Moore	Davis
Paral	Vtic Cases			2		alan in the Pr	
	Left Arm	Left Arm	30	l	3		1
14:1	Right Arm Left Leg	Right Arm Left Leg	4				
	Right Leg	Right Leg	7				
	Arm	Other Arm	2	6	2		, i i i i i i i i i i i i i i i i i i i
	Arm	Leg Bulbar	2	ঁ	3		1
- Joong	Leg	Other Leg	1	5			
Non-p	aralytic Cases		10	18	4	2	
Data	Incomplete		4				
Total	8		69	28	10	2	2

#### TABLE 3

#### Comparison of Expected\* and Reported\*\* Cases of Poliomyelitis Among Children Inoculated in NFIP Clinics from April 15 to May 7, 1955

			Total	Onse	t in W	ling	Total		
Vaccine Mfr.***	Number Vaccinated	Cases	Ap <b>r.</b> 16 -May 7	May 14	May 21	May 28	June 4	April 16 - May 21	
Cutter	308,748	Exp'd. Rep'd.	2 33	1 1	2 1	l O	1 -	5 35	
Lilly	2,513,962	Exp'd. Rep'd.	12 15	6 5	6 7	7 1	11	24 27	
Parke- Davis	834,148	Exp'd. Rep'd.	1 0	0-1 1	0-1 1	0-1 0	2	3. 1	
Pittman- Moore	410,648	Exp'ā. Rep'd.	0-1 0	0-1 2	0~1 0	0-1 0	1	2 2	
Wyeth	775,920	Exp'd. Rep'd.	0-1 4	0-1 4	0-1 2	0-1 0	0-l -	1 10	

(PSU Accepted Cases through May 26, 1955)

\* Expected cases estimated from weekly 5-year medians of cases of poliomyelit<sup>18</sup> reported to National Office of Vital Statistics by the States.

\*\* Reported Cases for ages 6, 7, or 8 having onsets between April 17 and May  $^{14}$  and accepted by PSU.

\*\*\* Cutter vaccine used in Idaho, Nevada, Arizona, New Mexico, and Southern California.

LILLY vaccine was used in Texas, Oklahoma, Louisiana, Arkansas, Mississipp<sup>i</sup>, Alabama, Tennessee, Florida, Georgia, South Carolina, North Carolina, Virgin<sup>ia</sup>, West Virginia, Indiana, Part of Ohio, and parts of California and Colorado.

PARKE-DAVIS vaccine was used in Michigan, Illinois, Iowa, Wyoming, Utah and part of Colorado.

PITTMAN-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 X1

### Cases by Interval Between Inoculation Vaccinated Individual and Onset of Paralysis in Parent or Sibling

(PSU Accepted Cases in Parents or Siblings of Vacci**na**ted Individuals Through May 26, 1955)

Interval	Cutter	Lilly	Wyeth	Pittman- Moore	Parke- Davis
10 - 13 days 14 - 17 days 18 - 21 days 22 - 25 days 26 - 29 days	1 13 6 5	l	1 2 2		
Non-paralytic	5				
Data incomplete	4				
Totals	34	l	5	0	0

	ena tootenes. Presiden			
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			•	



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## TREND OF 1955 POLIOMYELITIS INCIDENCE

STATE		Ca	ses Re	ported	to NO	VS*		Con	parabl	e
- ALL	1.176	1/22	During	Week	Ending	:	Totol	Tot	als in	1052
	4/10	.4/2)	4/50	2/1	57.14	)/2±	TOUAL	1774	1775	1752
United States	74	106	147	149	206	246	928	804	702	520
North East						•				
Maine	_	-	-	-	-	_	-	-	4	_
New Hampshire	-	-	-	-	-	-	-	-	_	-
Vermont	-	-		-	-	-	-	-	-	-
Massachusetts	l	-	-	2	1	-	4	5	4	5
thode Island		-	1	-	1	1	3	-	_	-
connecticut	-	-	-	3	-	-	3	1	3	1
New York	\$	2	12	5	12	10	1.9	15	36	25
New Jersev	3	ĩ	1	í	1~	-	7	1	Ĩ	ĩ
Pennsylvania	í	2	2	2	10	10	27	6	15	- 4
Nont	-									
Ohi Central										
Inde	4	3	-	7	2	5	21	16	11	7
Illi	l	-	-	3	7	2	13	5	12	5
Michi	4	3	3	15	7	9	41	9	18	12
Wisson	-	1	6	1	10	5	23	18	6	2
consin	1	3	3	1	-	4	12	2	9	5
Minnesota	٦	2	2	٦	2	F	٦/	0	20	5
Iowa	2	ر ۱	Z I	2	~ ~	2	17	7	10	9
Missouri	2	T	4	2	2	4	11	סיר	21	7
North Dakota	-	-	2	2	1	1	1	2	2	5
South Dakota	1	1	_	1	-	_	1 2	~	ĩ	ŝ
Nebraska	-	2	_	3	3	1.	12	3	7	7
Kansas	3	~	3	2	2	-	10	5	13	i
South	2		-	~	~					_
Del									· ·	
Mamare	l	1	1	-	2	2	7	-	1	-
Dist	-	_	2	-	-	2	4	1	3	1
Vincinit of Col.	~		-	-	-	-	-	1	1	-
West Tr	1	1	1	2	4	5	14	5	6	3
North Ourginia	-	1	3	1	4	3	12	8	9	6
South Carolina	1	1	1	-	4	2	9	10	12	3
Georgia	1	3	4	-	1	4	13	10	4	1
Florida	1	-	7	4	9	11	32	16	9	5
- +44	4	15	13	9	5	7	53	106	31	23
Kentucky	2	2	,	2	٦	2	15	0	0	1.
lennessee	د	2	4	2	T	2	15	9	7 7	4
Alabama	-	2	T	1	-	2	4	30	28	2
Mississippi	Т	-	1	1	¢ 1	2	۰ <i>۱</i>	20	17	21
-PPT	-	T	T	T	0	)	14	20	+1	~1
Lansas	٦	2	-	٦	2	4	10	21	11	6
Obisiana	3	ĩ	6	11	$\tilde{J}_{1}$	10	10	21	14	35
Temanoma	_	2	-	4	-	5	11	15	16	Ĩ4
SYS8	16	25	15	13	19	37	125	180	122	176
					-,					

STATE		Cas	Comparable Totals in:						
	4/16	4/23	4/30	5/7	5/14	5/21	Total	1954	1953 1952
Uest	· · · · ·								
west									·
Montana	-	· • •	1	-	·	3	4	3	· lastic
Idaho	-	1	12	3	9	15	40	3	4 3
Wyoming	-	-	1	1	2	_	4	-	2 3
Colorado	1	-	2	-	3	12	18	5	11 2
New Mexico	_	-	-	3	í	1	5	_	1 3
Arizona	·	1	2	6	ĩ	5	15	12	8 4
Utah	-	2	-	1	ī	-	Ĺ	5	8 5
Nevada	-	-	-	ī	5	2	8	6	- call
Washington	-	-	2	2	Ĺ	4	12	17	14 7
Oregon	1	2	6	ĩ	7	L.	21	- ' 5	8 5
California	ō	16	22	27	1.5	1.0	160	162	11.1 80

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\* National Office of Vital Statistics

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### DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE PUBLIC HEALTH SERVICE COMMUNICABLE DISEASE CENTER

### POLIOMYELITIS SURVEILLANCE UNIT Accepted Cases Associated with Poliomyelitis Vaccine Weekly Summary Report All New Cases and Revisions May 19 - May 26, 1955

PSU CASE NO	Residence	Ini- tials	Age	Sex	Date Inoc	Date 1st Symp	Date 1st Para	Site Inoc	Site lst Para	Mfr	Lot No	Remarks
Ariz-l	Maricopa	LH	7	F	4-25	5-17	None	?	None	C	?E5928	CSF 214 cells, non-paralytic
Ark-1	Camp Chaffee	JM	8	F	4-19	5-13	None	LA	None	L	7080-649342	Non-paralytic
Ark-2	Scott	JDK	6	М	4-20	5-17	None	LA	None	L	7078-649342	CSF no data as yet, non-para-
Cal-27	Los Angeles	SG	7	F	4-19	4-27	?	LA	LL	C	E6037	lytic
Cal-28	Los Angeles	MK	7	М	4-22	5-2	None	?	None	C	E6037	CSF 1 cell, type 2 in stools
Cal-29	Los Angeles	CM	7	F	4-22	5-2	?	RA	LA	C	E6037	5-25 (Dr. Lennette)
Cal-30	Oakland	DE	14	F	4-19	4-29	5-6	LA	Arms	C	?	Quadriplegia
Cal-31	Riverside Co	RA	7	M	4-22	56	None	RA	None	С	E592 <b>8</b>	CSF data not yet received
Cal-32	Los Angeles	BB	7	M	4-20	5-3	None	LA	None	С	E6037	CSF no cells, non-paralytic
Cal-33	Long Beach	DB	7	М	4-22	5-2	None	?	None	C	?E6038,?E5972	CSF data not yet received
Ca1-34	Long Beach	DA	7	М	4-22	5-11	None	?	None	C	?E6038,?E5972	CSF data not yet received
Del-2	Delmar	NLJ	7	F	4-21	5-10	5-14	LA	Legs	τ <sub>Λ</sub> τ	23610	Exposed to unvaccinated case in school

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PSU CASE NO	Residence	Ini- tials	Age	Sex	Date Inoc	Date 1st Symp	Date 1st Para	Site Inoc
I11-2	Loves Park	JEL.	7	F	4-27	5-11	?	LA
III-3	Chicago	GH	6	М	5-6	5-18	5-21	LA
La-5	Shreveport	RH	7	М	4-25	?	5-15	LA
Neb-1	Omaha	JK	8	М	?5-5	5-12	None	?Arm
Neb-2	Humboldt	JW	7	М	4-27	5-9	None	LA
Nev-4	Sparks	ТМ	2	М	4-22	4-29	None	LA
Ohio-2	Cincinnati	KCB	7	М	4-27	5-17	None	?
Pa-5	Philadelphia	MJ	7	М	5-2	5-12	None	LA
Pa-6	Harrisburg	DM	6	М	4-28	5-14	None	RA
Pa-7	Harrisburg	RR	7	М	4-28	5-15	5-17	LA
Tex-6	Houston	GA	7	М	4-19	5-6	None	LA
Tex-7	San Angelo	DK	7	М	4-21	5-4	None	LA
Tex-8	El Campo	MB	7	М	4-20	5-8	None	LA
Tex-9	Houston	RP	10	М	4-19	5-12	None	LA
Tex-10	Amarillo	CDC	7	М	4-20	5-15	None	LA
Tex-11	Houston	GG	9	М	4-19	5-14	None	Arm
Tex-12	Orange	<b>BLW</b>	7	М	4-19	5-20	None	AI

Site lst Para	Mfr	Lot No	Remarks
LA	PD	028846	
RA,RL	PD	?028846B,?02886	3B
Legs	L	?	
None	PM	?	Non-paralytic, confirmed by
None	PM	?	Non-paralytic, confirmed by
None	С	E5974	Non-paralytic
None	W	?23709,?23710	CSF 20 cells non-paralytic
None	W	235?	Non-paralytic
None	W	23612	Non-paralytic
LL	W	23612	
None	L	7078-649343	Non-paralytic
None	L	7078-649343	Non-paralytic
None	L	7078-649343	Non-paralytic
None	L	7078-649343	Non-paralytic
None	L	7078-649343	Non-paralytic
None	$\mathbf{r}$	7078-649343	Non-paralytic
None	r	7078-649343	CSF 190 cells non-paralytic

PSU CASE NO	Residence	Ini- tiels	Age	Sex	Date Inoc	Date 1st Symp	Date 1st Para	Site Inoc
Tex-13	Houston	RR	7	M	4-19	5-12	None	LA
Va-2	Falls Church	RS	7	М	4-26	5-24	None	LA
Va-3	Chase City	MW	7	М	4-29	5-16	None	?
WVa-3	Raleigh Co	BH	7	F	4-21	5-17	5-17	LA
WVa-4	Kanawha Co	FM	7	М	4-26	5-19	?	LA
	an sin				nterio e Consta	2 1 - 5 - 5	REVI	SED CA
Cal-4	Ventura	MD	1	M	4-16	4-21	4-25	LA
Cal-14	San Diego J	McC	6	F	4-16	4-22	None	LA
Cal-15	Santa Barbara	AG	5	F	4-18	4-26	4-28	RL
Cal-18	San Marino	BC	12	F	4-20	4-26	4-29	RL
Cal-21	Sierra Madre	JP	1	M	4-19	4-28	5-1	LA
Cal-22	Los Angeles Co	LB	10	М	4-18	4-27	?	RL
Conn-1	Manchester	GS	12	M	4–14	5-2	None	LA
Ga-2	Smyrna	SS	2	М	4-20	4-29	5-2	LA
Ida-11	Valley Co	СН	8	F	4-19	5-2	5-8	LA

	Site lst Para	Mfr	Lot No	Remarks
	None	L	7078-649343	CSF 40 cells, non-paralytic
	None	Ľ	8122-649334	CSF 234, cells, non-paralytic
	None	L	8122-64933?	CSF 39 cells, non-paralytic
	Bulbar	L	8122-649334	
	Arms	L	8122-649334	Tonsillectomy one week before inoculation
1.5	SES			
	LA	С	E5971	Type 1 virus in stool 5-24 (Dr. Lennette)
	None	C	?E6038,?E5970 ?E5928	Type 1 virus from 3 family contacts 5-19 (Dr.Lennette)
	RL	C	E5971	Type 1 virus in stool 5-23 (Dr. Lennette)
	RL	С	E5971	Type 1 virus in stool 5-20 (Dr. Lennette)
	LA	C	E5972	Type 1 virus 5-19. Type 1 virus from family contact 5-24 (Dr. Lennette)
	Legs	C	E5971	Type 1 virus in stool 5-24 (Dr. Lennette)
	None	C	E6044	Type 1 virus from patient 5-10. Type 1 virus from family con- tact 5-23 (Dr. Melnick)
	LA	C	?E6044,?E5973	
	LA	C	?E6039 <b>,</b> ?E6058	Type 1 virus in stool 5-25 (Dr. Larson)

PSU CASE NO	Residence	Ini- tials	Age	Sex	Date Inoc	lst Symp
Ida-12	Jerome Co	UC	7	M	4-19	5-2
Ida-13	Strevell	GK	7	М	4-20	4-29
Ida-14	Idaho Falls	DE	6	М	4-19	5-7
Ida-15	Driggs	AD	6	F	4-25	4-30
La-4	Rapides Paris	sh SP	6	F	4-26	4-29
Nev-1	Ely	JS	2	М	4-17	4-27
Nev-2	Ely	BS	8	М	4-17	4-29
Pa-1	Edinboro	JSJ	7	M	4-26	5-1
Pa-2	Clifton Hgts.	CS	7	F	4-29	5-8
Pa-4	Bucks Co	PE	7	F	5-2	5-4
Wash-1	Wiley City	VB	4	F	4-18	4-25
Code of	Abbreviations: PSU - Poliomye	litis	Surv	eilla	nce Un:	it
lex J	Mfr - Manufact C - Cutter I	urer	corie	S		
	L - Lilly La W - Wyeth La	aborato	ories	e K	Date	.) 34 21488

CSF - Cerebero-Spinal Fluid

2-8 - 4 -

(Dr. Larson)

C 3B6039.2B6058 Type L virue in stoci 5-25

SECTOR SERVER

Date 1st Para	Site	Site 1st Para	Mfr	Lot	oron 2-33 (nus peorene 2-10" Supe I Aines from facting (of - 1 Supe I <b>Remarks</b> rom peorene 2-10"
5-6	LA	LA	C	?E6039,?E6058	Type 1 virus from case and 2 contacts 5-25 (Dr. Larson)
5-3	LA	LA	С	?E6039,?E6058	(real fair )y contact 5-25
5-8	LA	Bulbar	С	?E6039,?E6058	Type 1 virus from contact only 5-25 (Dr. Larson)
5-2	LA	LA	С	?E6039,?E6058	Type 1 virus from case and 1 contact 5-25 (Dr. Larson)
None	LA	None	L	5081-649340	Non-paralytic ( persone)
4-29	RL	RL.	С	E6045	(Dr. Tendette) Type L virus Crod 3 feally
5-1	LL	LL	С	E6045	Jupe / rieus in stool 5420
None	LA	None	W	23710	Non-paralytic
5-9	LA	LA	W	23616	Type 1 virus in stool 5-18
5-13	LA	LA	W	23614	In respirator
4-27	LA	LA	C	E5972	CSF 39 cells, con-paralytic
94.2	Γ.Δ 1	Left Am	n.		CSF 254, cells, non-parelytic
	RA - I	Right An	rm g Or	Buttocks	155 Af cells, con-paralytic
1.00	RL - 1	Right Le	eg 01	Buttocks	$\sum_{i=1}^{n} \int_{\mathcal{O}} \sum_{i=1}^{n}  f_i^{(i)} ^2  d\mu = \int_{\mathcal{O}} \int$

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### POLIOMYELITIS AMONG UNVACCINATED PERSONS GIVING HISTORY OF FAMILIAL CONTACT WITH INDIVIDUALS WHO HAVE RECEIVED POLIOMYELITIS VACCINE (PSU Accepted Cases May 19 through May 26, 1955)

## Vaccinated Individuals

### Poliomyelitis Case (Not Vaccinated)

										and the second s						
PSU CASE NO	Pogidones	Ini-		0	Date	Date	Туре	11.0	Lot	Ini-		-	Date	Date 1st	Site lst	
UADE NU	restuence	tlais	Age	Sex	Inoc	lliness	lliness	Mir	NO	tials	Age	Sex	Symp	Para	Para	Remarks
Ariz-Xl	Maricopa	CT ST	2 4	?	4-19 4-19	None None	None None	C C	E5972 ) E5972 )	RT	36	M	5-15	None	None	Non-paralytic
01.5 <b>~</b> 21	026680	GT	5	?	4-19	None	None	C	E5972)							
Ariz-X2	Maricopa	RB	7	M	4-26	?	?	C	?E5976	GB	26	М	?5-19	None	None	CSF 200 cells, non-paralytic
Cal-X6	Alameda Co	?W ?W ?W	? ? ?	? ? ?	4-21 4-21 4-21	? ? ?	? ? ?	C C C	E6045 ) E6045 ) E6045 )	JW	24	F	5-13	5-16	Bulbar	
Cal-X7	Los Angeles CO	?S ?S ?S ?S	? ? ?	????	4-16 4-16 4-16 4-16	? ? ?	? ? ? ?	C C C C	E5971 ) E5971 ) E5971 ) E5971 )	RS	244	М	4-25	5-8	RA,RL	
D.CX1	Washington	WC	6	М	4-27	None	None	W	23611	JC	4	М	5-16	5-18	Bulbar	Specimens to Dr.Habel, NIH
Ga-X3	Atlanta	GM	i	M	4-18	None	None	C	?E6044	PLM	38	M	5-3	5-16	RA	a sanan ar san san san san san
		1.1919	284	293	1.10	PORCH.	I weat		?E5973			18.3				
TH-X1	Honolulu	RM	6	М	4-26	5-2	Fever	C	E6058	MM	3	М	5-12	5-16	RL	One other non-vaccinated
							2010 011			•				. A g a come co		5-4.
Md-X2	Taneytown	CEN	7	М	4-26	None	None	W	23605	VLN	4	F	?5-15	5-19	<b>T</b> Cars (ket	Three other children in family had colds at same time (around 5-15).

							GOLE MILC	ST.	
PSU CASE NO	Residence	Ini- tials	Age	Sex	Date Inoc	Date Illness	Type Illness	Mfr	Lot No
Md-X3	Oakland	<b>?S</b>	?	?	4-25	None	None	W	23604
Md-X4	Prince Georges Co.	?R	7	F	4-25	75-2	Headache Malaise	W	23604
Md-X5	Taneytown	?S	?8	М	4-26	?	?	W	23605
Nev-X4	Gardnerville	CL	7	M	4-22	4-23	Fever Abdominal Pain	C	E6039
NM-X2	Deming	PET	6	М	4-19	5-6	Fever	с С	?E6037 ?E5976
Ore-X1	Oswego	?F ?F	3 4	? ?	4-19 4-19	None None	None None	C C	E5972 E5972
Wash-X1	Yakima	GLR KSR	3 1	F F	4-16 4-16	None None	None None	C C	? ?
Wash-X2	Vancouver	BR SR	2 1 ACC	F F	4–15 4–15	None 4 <b>–</b> 19? 4–20?	None Fever	C C	E5972 ) E5972 )
							Lister States	giace sitto	HUAE N CREV
Cal-X2	Los Angeles	?S	2	F	4-19	<b>4-26</b>	Fever Sore th	C	E5971
antes de la compañía Messa de la compañía	, ** - Elli Stan Balline	?S	9	F	4-1	9 None	None	c	C E5971

Vaccinated Individuals

None - 1

MU-XS

Taneybown (Ek

Ini- tials	Age	Sex	Date lst Symp	Date 1st Para	Site lst Para	Remarks
WS	19	M	5-16	5-18	Legs	Specimens to Dr.Habel, NIH
WR	4	М	5-21	5-22	RA	Patient's fatherhad myalgia and fever 4-18.
ES	10	F	5-21	5 <b>-</b> 23	RA	
BL	1	M	5-13	5-15	RL	
KRT	Ъ	F	5-11	<b>?5-1</b> 6	?RL	
(2)	50	17	10-12	5-0-88	, C.F	en see anna can basairtea
BF	7	F	5-22	?	LL	
MJR	26	F	5-4	5-6	Bulbar	
BR	33	F	5-9	None	None	Non-paralytic
			1,0° . T	⊂r, te		$j \in G(\mathbb{F}_{q_1}, \dots, \mathbb{F}^{d \times d_{q_q}})$
1914 - Daniel 1914 - Daniel Jacobski, 1914	ist. The second	SQ <sup>3</sup> in Maria	N C	```		
RS	₩ 6 <sup>±</sup>	M	5-4	5-7	•• ? <sup></sup>	Bulbo-spinal Type 1 virus in stool of case

# Poliomyelitis Case (Not Vaccinated)

(around F-15), (around F-15),

PSU CASE NO	Residence	Ini- tials	Age	Sex	Date Inoc	Date Illness	Type Illness	Mfr	Lot No
Colo-Xl	Aurora	JS	1	F	4-15	None	None	С	E <b>597</b> 2
Colo-X2	Denver	JG	2	F	4-16	None	None	C	E5972
Ida-X2	Kimberly	NM	7	F	4-20	4-30	Fever, Malaise	C	E6039? E60 <b>5</b> 8?
Md-X1	Towson	AL	1	F	4-16	None	None	С	Е6044

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Vaccinated Individuals

## Poliomyelitis Case (Not Vaccinated)

-3-

Ini-			Date lst	Date lst	Site lst	
tials	Age	Sex	Symp	Para	Para	Remarks
MS	26	M	5-7	5-12	Bulbar	In respirator
CG	28	F	5-1? 5-6?	5-11	L.Facial	RA, LA
KM	10	F	5-12	None	None	Non-paralytic
NL	23	F,	5-8	5-12	Bulbar	Type 1 virus from vaccinated individual and case 5-23 (Dr. Habel)

,