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POLIOMYELITIS SURVEILLANCE
REPORT NUMBER 18, MAY 20, 1955

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE

COMMUNICABLE DISEASE CENTER

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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

Dr. Edwin Lennette, Virus Laboratory, California Department of Public Health, reports isolation of type 1 virus from the stool of case PSU No. Cal-21. He also reports isolation of type 1 virus from the stool of a third family contact of non-paralytic case PSU No. Cal-14. Isolations from 2 other contacts of this case were previously reported.

Dr. Werner Henle, Children's Hospital, Philadelphia, reports isolation of type 1 poliomyelitis virus from Case PSU No. Pa-2. This is the first isolation from a case receiving Wyeth Vaccine. This case had first paralysis at the same site as inoculation.

One new case was accepted today from West Virginia. This seven-year-old female developed bulbar signs 26 days after inoculation with Lilly Vaccine. Vaccinated cases total 79 at 12:00 noon 5-20-55 (Table 1).

Table 1
Vaccinated Cases by State and Manufacturer
(PSU Accepted Cases through May 20, 1955)

State	Cutter	Lilly	Parke-Davis	Pittman-Moore	Wyeth	Total
California	25*					25
Idaho	16*					16
Oregon	3					3
Louisiana	1	3*				4
Washington	1					1
Colorado	1					1
Illinois	1					1
Indiana		1				1
Georgia	1	1				2
New York	1					1
West Virginia		3				3
Texas	1	4**				5
Hawaii	1					1
Missouri	1					1
Nevada	3					3
Pennsylvania					4	4
Wyoming	1					1
Connecticut	1*					1
Mississippi		1				1
Ohio	1					1
Virginia		1*				1
Delaware					1	1
Arkansas		1*				1
Total	59	15	0	0	5	79

* Includes 1 non-paralytic case.

** Includes 3 non-paralytic cases.

Poliomyelitis in Family Associates of Vaccinated Individuals

Three new cases were accepted today from Arizona, California, and Hawaii. All three cases occurred in family associates of children who received Cutter Vaccine. To date (12:00 noon 5-20-55) 28 cases in household contacts of vaccinated persons have been accepted (Table 2).

Table 2

Poliomyelitis in Parents and Siblings of Vaccinated Individuals (PSU Accepted Cases Through May 20, 1955)

State	Manufacturer**					Relationship to Vaccinate			Health of Vaccinate		
	C	L	W	PD	PM	Par- ent	Sib- ling	No Data	Ill	Not Ill	No Data
California	7*					5	1	1	2	2	3
Idaho	7						7		2	3	2
Colorado	2					2				2	
Georgia	2					1	1		2		
Maryland	1					1					1
Montana	1					1			1		
Nevada	3*					2	1			3	
Tennessee	1					1			1		
New Mexico	1						1			1	
Texas		1				1				1	
Arizona	1					1				1	
Hawaii	1						1		1		
Total	27	1				15	12	1	9	13	6

** C - Cutter, L - Lilly, W - Wyeth, PD - Parke-Davis, PM - Pittman-Moore

* Includes one non-paralytic case.

Included in today's report is a page of charts showing incidence of poliomyelitis among Cutter vaccinated children and their contacts. (PSU accepted cases through May 18, 1955).

The first chart shows interval between inoculation and first paralysis for all (49) of the Cutter vaccinated paralytic cases for which the necessary information was available.

The second chart shows the approximate distribution of Cutter vaccinations both in NFIP clinics and by private physicians.

The third chart shows the incidence, based on onset of paralysis, of the 49 Cutter cases in the first chart.

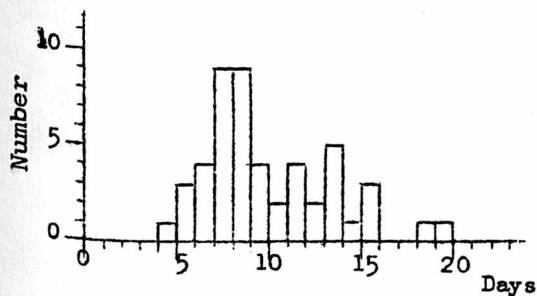
. The fourth chart shows the incidence, based on onset of paralysis, of the 20 paralytic cases in family contacts of Cutter vaccinated children for which the necessary information was available. The solid line shows the estimated incidence of cases among family contacts of Cutter vaccinated children, assuming that a total of approximately 60 family contact cases will occur. This estimate of the total number of cases allows for 50 per cent to 70 per cent complete reporting through mid-May.

NEAL NATHANSON, M.D., CHIEF
POLIOMYELITIS SURVEILLANCE UNIT

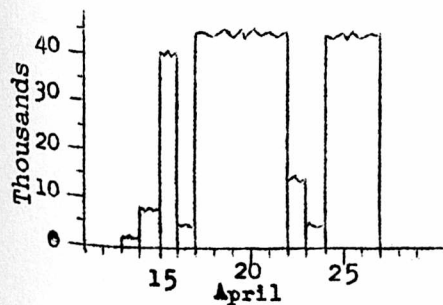
Earl L. Diamond
EARL DIAMOND
POLIOMYELITIS SURVEILLANCE UNIT

ED:bm
5-20-55
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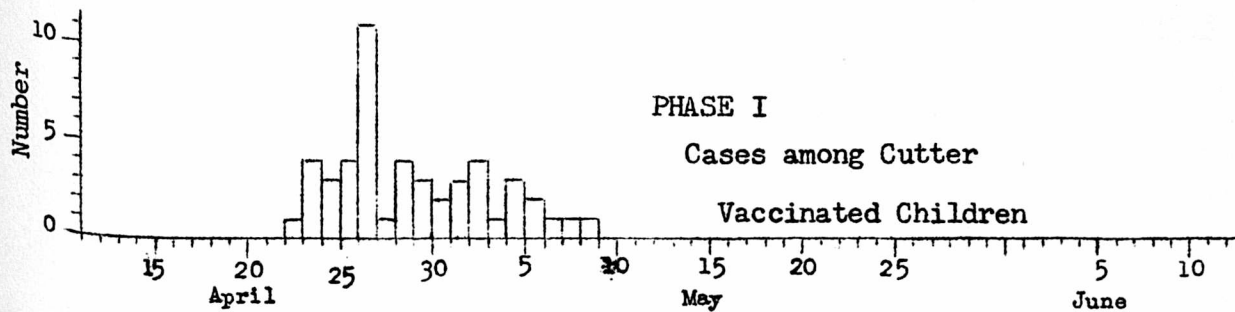
POLIOMYELITIS CASES AMONG CUTTER VACCINATED CHILDREN AND THEIR CONTACTS



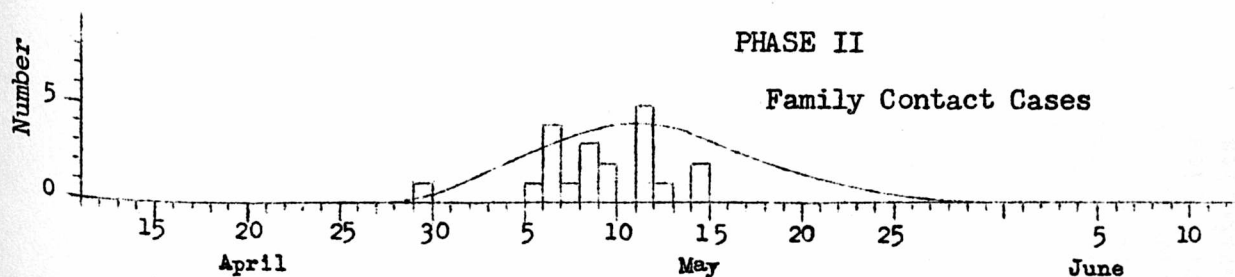
Interval from Inoculation
to First Paralysis
(49 Cutter Vaccinated Cases)



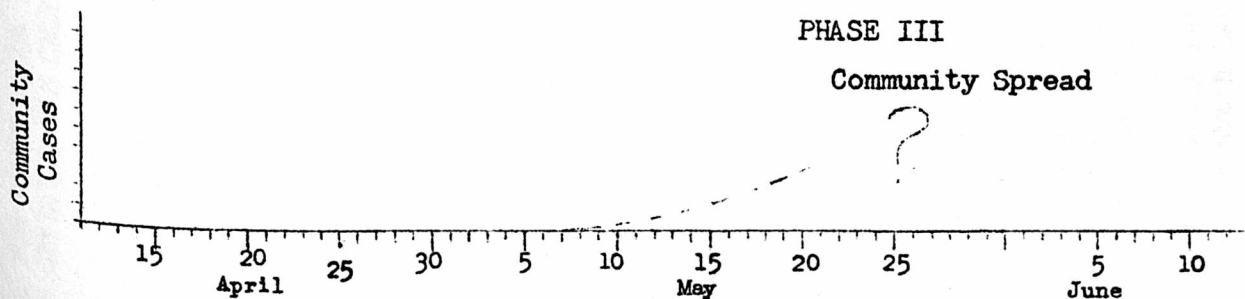
Approximate Number
of Cutter Vaccinations
(Total about 400,000)



PHASE I
Cases among Cutter
Vaccinated Children



PHASE II
Family Contact Cases



PHASE III
Community Spread

MAY 20, 1955
12:00 NOON

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

POLIOMYELITIS SURVEILLANCE UNIT

Accepted Cases Associated with Poliomyelitis Vaccine
Daily Supplementary Report

PSU CASE NO	Residence	Ini- tials	Age	Sex	Date Inoc	Date 1st Symp	Date 1st Para	Site Inoc	Site 1st Para	Mfr	Lot No	Remarks
WVa-3	Raleigh Co.	BH	7	F	4-21	5-17	5-17	LA	Bulbar	L	8122-649334	

REVISIONS MAY 20, 1955
(Revised Items Underlined)

Cal-21	Sierra Madre	JP	1	M	4-19	4-28	5-1	LA	LA	C	E5972	<u>Type 1 virus 5-19 (Dr. Lennette)</u>
Cal-14	San Diego	JMcC	6	F	4-16	4-22	None	LA	None	C	?E6038 ?E5970 ?E5928	<u>Type 1 virus from 3 family contacts 5-19 (Dr. Lennette)</u>
Pa-2	<u>Clifton Heights</u>	CS	7	F	4-29	5-8	5-9	LA	LA	W	23616	<u>Type 1 virus in stool 5-18 (Dr. Henle)</u>

Code of Abbreviations:

PSU - Poliomyelitis Surveillance Unit
Mfr - Manufacturer
C - Cutter Laboratories
L - Lilly Laboratories
W - Wyeth Laboratories

LA - Left Arm
RA - Right Arm
LL - Left Leg or Buttock
RL - Right Leg or Buttocks

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

Vaccinated Individuals										Poliomyelitis Case (Not Vaccinated)						
PSU CASE NO	Residence	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
Ariz-X1	Maricopa	CT	2	?	4-19	None	None	C	E5972)	RT	36	M	5-15	None	None	Non-paralytic
		ST	4	?	4-19	None	None	C	E5972)							
		GT	5	?	4-19	None	None	C	E5972)							
Cal-X7	Los Angeles Co	?S	?	?	4-16	?	?	C	E5971)	RS	44	M	4-25	5-8	RA,RL	
		?S	?	?	4-16	?	?	C	E5971)							
		?S	?	?	4-16	?	?	C	E5971)							
		?S	?	?	4-16	?	?	C	E5971)							
TH-X1	Honolulu	RM	6	M	4-26	5-2	Fever Sore throat	C	E6058	MM	3	M	5-12	5-16	RL	One other non-vaccinated con- tact had slight illness 5-4.

