Mr George M Stenhouse 53C Information Officer, CDC 8 55

FOR ADMINISTRATIVE USE

CDC POLIOMYELITIS SURVEILLANCE REPORT

Landital ad NO. 132 ogas and sand and Cotober 25, 1957

Cumulative through

Office of Vital Statistics for the week ending October 19, representing U.S. DEPARTMENT OF HEALTH, EDUCATION AND WELFARE Public Health Service Bureau of State Services presents the national molicmyelitis incidence curves by weeks for the

SLI to Island sell COMMUNICABLE DISEASE CENTER - COMMUNICABLE DISEASE CENTER edd lo yna at Meew elde Robert J. Anderson, Chief as nedd rowof at seaso years from 19h0 to 1956. Cumulative totals to date this year are lowest

virgey has afaict sylval Surveillance Section of assaultoni , Succession 3201 2201 Seel Tie Mario Pizzi, M.D., Chief of Sotneseta ave alator

> Poliomyelitis Surveillance Unit 50 Seventh Street, N. E. Atlanta, Georgia

TABLE OF CONTENTS

- A. CURRENT POLIOMYELITIS MORBIDITY TRENDS
- B. ROUTINE POLIOMYELITIS SURVEILLANCE

SPECIAL NOTE

Information presented in this report represents a summary of preliminary data regarding poliomyelitis and polio-like diseases reported to CDC from State Health Departments, participating diagnostic and reference laboratories. Epidemic Intelligence Service Officers, National Office of Vital Statistics, and other pertinent sources. It is to be emphasized that these data are provisional and intended for the information and administrative use of physicians involved in investigation and control of poliomyelitis and polio-like diseases. Anyone desiring to quote this information is urged to contact the person or persons responsible for the items reported in order that the exact interpretation of the report and the current status of the investigation be obtained.

were reported to PSU with onset of symptoms within 30 days of a vaccine This Report Prepared by:

October 23, two paralytic and three nonparalytic pollomyelitis cases

Lauri D. Thrupp, M.D. with assistance from Statistics Section
Communicable Disease Center age, with the spinal .

A. CURRENT POLIOMYELITIS MORBIDITY TRENDS

A total of 112 poliomyelitis cases was reported to the National Office of Vital Statistics for the week ending October 19, representing a continued decline in total incidence from the 211 and 169 cases reported respectively for the weeks ending October 5th and 12th. Figure 1 presents the national poliomyelitis incidence curves by weeks for the years 1947, 1952 through 1956, and to date in 1957. The total of 112 cases is lower than that reported for the comparable week in any of the years from 1940 to 1956. Cumulative totals to date this year are lowest since 1942. Incidence for the 42nd week, cumulative totals and yearly totals are presented below for the years 1942, 1947, 1952, 1955, 1956 and 1957.

1957	1956	1955	1952	1947	1942
112	397	791	2419	415	165
5373	13584	25764	47483	8809	3376
FIFT TETVAC	15463	29324	57440	10789	4190
	argroui	112 397 5373 13584	112 397 791 5373 13584 25764	112 397 791 2419 5373 13584 25764 47483	112 397 791 2419 415 5373 13584 25764 47483 8809

Table 1 presents total reported cases by state and region, and paralytic cases by region, for the past six weeks and for comparable six-week periods of the last four years. Of the 112 total notifications last week, 61 were recorded as paralytic, a decrease from the 88 and 103 paralytic cases reported the preceding two weeks. A larger drop was noted in nonparalytic disease, from 64 to 33 cases. The number with paralytic status unspecified was virtually unchanged, 18 instead of 17.

The North Central region reported the largest total number of cases, 41, including 16 paralytic. The 71 remaining cases were well distributed among the other geographic regions with the exception of the North West, where no cases were reported last week.

B. ROUTINE POLIOMYELITIS SURVEILLANCE

1. Under-30-Day Vaccinated Cases - During the week ending October 23, two paralytic and three nonparalytic poliomyelitis cases were reported to PSU with onset of symptoms within 30 days of a vaccine inoculation.

The two paralytic cases occurred in Louisville, Kentucky. Onset of illness in a $4\frac{1}{2}$ year old male was 11 days following second inoculation of vaccine (site of inoculation and manufacturer unknown). The child subsequently developed bulbospinal paralytic disease, with the spinal paralysis including the right arm and both legs. In the second child, aged 14 months, symptoms were noted 29 days following first inoculation of

vaccine (site and manufacturer unknown) and paresis of the left leg subsequently developed. Type I poliovirus was isolated by Dr. A. Steigman's Laboratory in stool specimens from both patients.

An additional suspect polio case was reported from Idaho in a $6\frac{1}{2}$ year old male, with onset of illness 12 days following third inoculation of vaccine. Right leg paresis developed, but the final diagnosis was determined to be mumps encephalitis.

2. <u>Vaccine Distribution</u> - Current and cumulative vaccine releases, shipments and inventory estimates are presented in Table 2.

vaccine (site and manufacturer unknown) and parests of the left lag a subsequently developed. Type I policy was isolated by Dr. A. Steigman's Laboratory in stool specimens from both patients.

An additional suspect polio case was reported from Idaho in a 6 year old male, with onset of illness 12 days rollowing third inoculation or yactine. Right leg paresis developed, but the final diagnosis was determined to be numps encephalitis.

Vices 2. Vaceine Distribution - Gurrent and cumulative vaccine releases; shipments and inventory estimates are presented in Table 2.

1957 1050 1955 1652 1685 1962 Miss See 112 997 791 6413 115 115 112 197 191 6413 115 115 113 1568 1154 1748 47483 8800 5376 113 174 186 1864 1 174 47483 8800 5376

The content of the content to the content cased by obeth and region, and description on the content of the content of the cased on the content of the cased on the cased of th

The Factorians region received the Jarpent total account of causes, by the cause in the 72 remaining cause were tell distribution of an angle of the cause of the

REPORTED TO THE PERSON OF THE

l Didor Dite vocationed Lass. Dating the book collect Descript I., two verelytic and three morphishic will describ the descript water reported to vil out observed agentoms which bidden of a varying theories.

AT LIVE A 10 of A case of the set of the set of the set of the second topological and the set of the second topological and the set of the second topological and the set of the second topological personal research as the second obtains the second of the second obtains and took less. In the second obtains the second obtains and took less the transfer of the second obtains and the second obtains and the second obtains the second obtains.

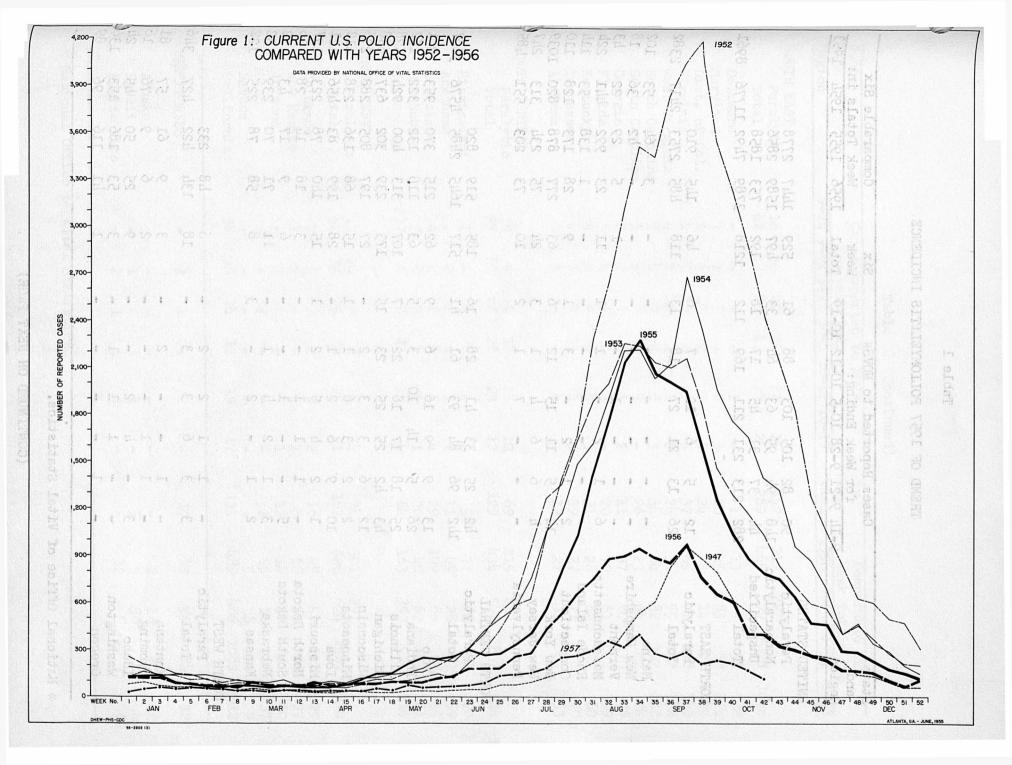


Table 1
TREND OF 1957 POLIOMYELITIS INCIDENCE

State	Ca				NOVS*	Six	Comparable Six Week Totals in:				
and Region	9-14			Endin	g: 10 - 12 :	10-19	Week Total	1956	1955		7.0
UNITED STATES Paralytic Nonparalytic Unspecified Total	90 148 44 282	82 94 37 213	105 95 31 231	103 63 45 211	88 64 17 169	61 33 18 112	529 497 192 1218	1447 1589 753 3789	2778 2856 1858	11776	8963
NORTH EAST Paralytic Total	12 26	5 13	6 21	10 27	7 18	6 13	46 118	145 485	910 2753	2417	2382
Maine New Hampshire Vermont Massachusetts Rhode Island Connecticut New York New Jersey Pennsylvania	6 - 2 14 4 -	1 156	2 2 11 6	1 - - 15 4 7	1 3 12 1	1 6 3 2	1 11 - 9 63 24 10	3 5 23 1 28 277 75 73	64 42 29 992 138 173 878 234 203	53 36 22 441 53 128 820 313 551	102 18 43 224 114 110 1039 247 485
NORTH CENTRAL Paralytic Total	42 142	25 96	33 84	41 93	28 61	16 41	185 517	519 1645	820 2485	4576	3607
Ohio Indiana Illinois Michigan Wisconsin Minnesota Iowa Missouri North Dakota South Dakota Nebraska Kansas	13 26 25 43 12 2 10 1	9 18 42 6 2 9 2 1	9 17 25 3 3 6 4 1	16	6 3 22 23 2 1 1 2 - 1	9 5 7 15 - 1 - 3	62 63 107 173 27 15 28 15 3 6 11	215 118 313 239 197 68 199 140 18 9 71	370 132 400 302 805 136 83 78 14 17 70 78	953 322 924 637 288 238 456 223 28 43 239 225	801 152 528 658 276 612 121 197 56 52 32
NORTH WEST Paralytic Total	- 3	1 3	1 6	2 3	2 3	-	6	48 134	233 422	427	346
Montana Wyoming Idaho Washington Oregon	3	1 - 1	1 4 1	2 1	2 - 1	-	3 2 9 3 1	9 6 25 53 41	61 9 50 186 116	57 76 45 153 96	81 16 24 136 89

^{*} National Office of Vital Statistics.

Table 1 (Continued)

State and	Cases Reported to NOVS* for Week Ending:						Six Week	Comparable Six Week Totals in:			
Region	9-14				10-12	10-19	Total	1956	1955	1954	1953
COLUMN EACH	alosa	Vibel	Bobt	tall 1	2 2 2	lo alc	d in 100	Liete	,		
SOUTH EAST	-/	01	10	٥٢	00	7.0	710	07.0	000		
Paralytic	16	26	45	25	22	15	149	219	292	0	2000
Total	42	47	73	43	39	25 DOAY 25	269	465	699	2028	1038
Delaware	ed3 -	-	-	- =	191 tme	rite ,	sq 1	13	5	35	8
Maryland	dog 1	1	3	-	3000/I2	3	10	45	83	98	154
Dist. of Col.	6	6	7	2	1	2	24	3	14	27	12
Virginia 2.00	. 1 4	5	10	8	25,15	5	37	65	71	198	148
West Virginia	4	1	12	4	288	2	240	34	55	152	122
North Carolina	5	74		5	8	3	34	84	82	192	112
South Carolina	5	5	8	3	5	_	26	23	64	62	24
Georgia	2	2	3	í	i	2	11	37	80	170	76
Florida	6	4	3	4	3	_	20	79	61	612	199
	or 4	6	9	5	ر 4ء ۽ 4		27	28	82	244	60
	4	6	9	11		3		27	71	176	70
Tennessee	1	7	,	4.1	4 1)	39			62	
Alabama		1	rn	acterens	4	m x 57	12	27	31	02	53
SOUTH CENTRAL	and contracts and the second	Ls	fores			ogs. V og 5-1 recolle					
Paralytic	8	9	11	17	14	10	69	215	232	holus	
Total	27	19	22	26	23	12	129	434	546	847	414
780.75			FFEL			coper-					
Mississippi	1	-	-	1	1	2	5	77	20	74	20
Arkansas	6	2	18.2	4S 4	1 5	682 2 1	11.	45	28	63	59
Louisiana		. 4	0	4	5	4	29	109	86	86	55
Oklahoma	2	5	6	4	2	1	20	40	62	109	61
Texas	17	8	8,60	3 13	14	146.0kh	64	163	350	515	219
327 1 9,871			.908			gla, Guz	resente:			MARIE TO	
SOUTH WEST	10	16	180	8	76	1 14433	21.	201	291	suguA c	
Paralytic	12		9		15	14	74	301		1481	1174
Total	42	35	25	19	25	21	167	626	624	1401	TT 14
Colorado	7	1	3	2	1	2	16	45	49	123	29
New Mexico	1	2	00/-	- A	2	enn d	6	18	27	86	27
Arizona	The _	2	6	1 <u> </u>	3	T i	12	14	38	16.51	60
Utah	nd g	11-1	2	11000	108,	mysem z	2	55	16	118	37
Nevada	127 /1504		Y <u>S</u>	OTHE	WE SHALL	DOAP -	erness "m	5	8	20	. 9
California	34	30	14	17	19	17	131	489	486	1083	1012
isto? soffio	amelo	ingsi	hna	ajn	ogrtme	ac Hole	self - exer	udoidu	Mar	antha	<u> </u>
TERRITORIES	I/Q	€ 3	ì	4	2	-5,559	10	19	59	7 - 184	
27,390						5,511	1	16,45		15-4-0	
Alaska	684	-	-	-	-	¢\# -	4 574 - 9	2	18	2-1171	2
Hawaii	-	1	-	3	1	-	5	5	36	10	4
Puerto Rico	_	2	1	1	1	_	5	12	5	3	6

^{*} National Office of Vital Statistics.

(beam to Table 2 of det

POLIOMYELITIS VACCINE REPORT through 10-18-57

comparable Six

LIL

SIOI

(Data provided by the Polio Vaccine Activity, BSS, USPHS. Listed in 1000's of cc's of Net Bottled Vaccine)

292	678 641	15	228	्यर्ठ ५५ व	91,000 00	Paralyt
6975 - 2026	50th 502	VA	CCINE REI	EASES	St 183 182	E LajoT
Period	EL LILLY LILLY L	Parke, Davis	Pitman Moore		Sharpe & Dohme	b Cutter
July August September	5,047 5,840 10,332	1,843 3,704 2,603	1,239 1,339 2,664	3 7 8 394 257	1,015 864 1,028	isginia kest Virg losth Car
October	26 23	1,193	1,347	8 5 2 3	515	outh Car eorgia
Cumulative to date	129,915	33,928	33,538	9,623	10,921	sb.mof voloc401
31 62	12 27	·	ACCEPTED ON	• 16		Labena
Anna Tarring				IPPED Commercial		A COTTUATE COST
Period SES	NFIP NFIP	Public Agencies		Channels	Export	Total
1955	13,541	7,893		6,233	1 11 10	27,667
1956	194	45,588		24,784	6,477	77,043
1957	20 00 40	1	\$ 1	9. 5. 6	2 2	McHahoma
January-Ju July	ne 151	36,0 4,6		23 ,76 0 4 ,9 03	6,385 327	66,970 9,871
August September	14 301 14 62(11-	4,133 3,036		4,037 3,654	1,099	9,269 7,962
October 4-	16 15	2 9	1 3	59	284	386
Cumulative Totals	13,887	102,00	280	67,429	15,845	199,170
16 seeds 8 -	25 55	VAC	CCINE INVI	ENTORY		dell chavel
	shipped by nufacturers		e and Loca Department		rcial Channe icians Offic	
9-27-57 ° ? 10-4-57 10-11-57	13,342 11 16,487 16,722	-5,55 5,51 5,47	L1	5	,9 ¹ 1 ,391 ,786	22,842 27,390 26,984
Ar Ar	3 3					b box out

Wational Office of Vital Statistics.