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REPORT NO. 265 AUGUST 10, 1962

COMMUNICABLE DISEASE CENTER

POLIOMYELITIS SURVEILANCE

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U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE PUBLIC HEALTH SERVICE

PREFACE

Summarized in this report is information received from State Health Departments, university investigators, virology laboratories and other pertinent sources, domestic and foreign. Much of the information is preliminary. It is intended primarily for the use of those with responsibility for disease control activities. Anyone desiring to quote this report should contact the original investigator for confirmation and interpretation.

Contributions to the Surveillance Report are most welcome. Please address to: Chief, Poliomyelitis Surveillance Unit, Communicable Disease Center, Atlanta 22, Georgia.

Communicable Disease Center

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SUMMARY

Thirty-one cases of poliomyelitis, 24 paralytic, were reported for the 31st week of the year ending August 4. Consistent with an expected seasonal increase, this represents the largest number of cases to be reported for any one week in 1962.

Of the 31 cases this week, 10 were from Texas and 5 from Illinois. The remaining 16 cases were reported by 11 States, none of which reported more than two cases. Narrative reports concerning Texas and Illinois are included in Section 2.

A summary of 1962 cases submitted on individual case forms and routine surveillance are presented in Sections 3 and 4.

An additional 4 paralytic cases in Ballas County bring the yearly total to 16 in that county. These cases have occurred as follows:

1. CURRENT MORBIDITY TRENDS

Thirty-one cases of poliomyelitis, 24 paralytic, were reported for the week ending August 4, while the preceding week accounted for 19 cases, 16 paralytic (See Figure 1). Thus, during the two-week period ending August 4, 40 paralytic cases were reported. The same two weeks in 1961 showed a total of 53 paralytic cases.

During the last two weeks, Texas reported the largest proportion of cases with 17, including 15 paralytic. A detailed description of the current situation in that State will be given in Section 2. Illinois reported 6 cases during this two-week period. California and Kentucky accounted for 3 each with no geographic concentration. Sixteen other States contributed to the nation's two-week total.

The six-week totals for the past five years, which are presented below, show that the cumulative 1962 paralytic total for this period exceeded that of 1961.

	Six-Week	Totals (26th	thru 31st		r Past Five Years
4,100 - 11,900	<u>1962</u>	<u>1961</u>	1960	1959	<u>1958</u>
Paralyt	ic 107	7/22 and 7/29		1015	oH , 325 ssr8 sbrogsf8H
Total	142	7/2 241 ad 8/5		1597	1000 679 [50 0000 105126T

There now have been 327 cases, 250 paralytic, reported in the United States through August 4, (See Table I). More paralytic cases have been reported in 1962 than in 1961 to date.

Pol	io (Cu	mulated Weekly) <u>thru</u>	<u>31st Week</u> for	Past	Five Years
5,000, were to	<u>1962</u>	n a population <u>1961</u>	<u>1960</u>	acturo exert a Aug <u>1959</u> 3. a		
Paralytic	250	239	680	1600	622	
Total	327	362	948	2451	1254	

义员在国际员名

Thirty-one cases of policmyelicis, 24 paralytic, vere reported for the 31st week of the year ending August 6.7 Consistent "**TROPAR <u>ATATA</u>te.C** seasonal increase, this represents the largest number of cases to be reported for any one week in 1962.

Fifteen cases of paralytic poliomyelitis have been reported by Texas for the two-week period ending August 4. Dr. Van C. Tipton, Chief, Communicable Disease Division, Texas State Department of Health, reports that the 15 cases are scattered throughout the State with no concentration except for the Dallas area. Only Dallas County and nearby Parker County reported more than one paralytic case in this two-week interval.

An additional 4 paralytic cases in Dallas County bring the yearly total to 16 in that county. These cases have occurred as follows:

-//7 A			
	7/21		
(S L e F1 S e	bi2vlsr	16 O an	1
1.1 1.4	2/1 18)	eab ending August raly 2 ic (S f e Fi 2	the Jeek ending August 16 Osraly 2 ic (S L) F1 S August 6, 60 paralytic

roucine surveillance are presented in Sections 3 and

* Three cases with unknown onset not shown (l reported week ending 7/14, l reported week ending 7/21 and l reported week ending 8/4).

Nuring the last two weaks, Texas reported the largest proportion of

Since May 27, over 3 million persons have been fed Type I oral vaccine in 29 Texas counties. This includes the Dallas and North Central Texas areas which conducted programs on July 29 and August 5. Preliminary results of the vaccination programs are as follows;

tive years, which are serA ented	totals for stad oast	Number Vaccinated
aralytic total for this period	ie cumulative 1982 pa	below, show that th
Webb and Zapata County	5/27-28	21 3a 19 63,400 eeexe
Bexar County (San Antonio)	5/31 and $6/3$	602,100
ansey Frio County ph (NeoW tell un	5/31 and 6/5	9,300
LaSalle County	6/4	4,100
Guadelupe County (000)	.962 1961 6\6 J	11,900
Harris County (Houston)	6/4 6/6 7/22 and 7/29	1,137,874
Brazoria, Montgomery, and	107 95	Paralvtic
Matagorda Counties	7/22 and $7/29$	125,000
Dallas County (Dallas 032	7/29 and 8/5	918,220
Tarrant County (Ft. Worth)		
17 Counties in North Central		
. More paralytic cas 28x9Tve been	7/29 and 8/5	uguA <u>d 220,000 160</u> 2
	an in 1951 to date.	
TOTAL		3,576,894
Ten other Texas Counties, wi hold programs on August 5.	(videos) betalumu)) ith a population of :	315,000, were to
HOTE PLOELCHE ON HEERE 101	and the first state of the first	J. osta
680 1600 622	250 239	Paralytic

48 24.53

1.2.54

62

Total

327

B. Illinois

Dr. Norman J. Rose, Chief, Bureau of Epidemiology, Illinois Department of Public Health, reports that only one of the 5 cases reported this week was paralytic. Two of the 4 nonparalytic cases occurred in McLean County and 2 in Rockford County. The paralytic case was from Chicago and represented the third such case in that city this year. These 3 paralytic cases, all under 2 years of age, are listed below.

	eart o'	d on PSU F	ry Reporte	Vaccin	Vaccination	baA Poliovirus
Age	Race	Sex	Onset	IPV	OPV	Isolated
16 mos.	W	F	6-14	activates 3V 4-V	No	Type I Type III
18 mos.	W	M	7-?	····· ? ·····	No	Type III
l yr.	?	T 97	7-4	4 ° 5	No	Eð Type I
				0 2		5.0 12

10-14

3. 1962 POLIOMYELITIS REPORTED TO PSU

Of the 250 cases of paralytic poliomyelitis reported through the week ending August 4, 229 had onset in 1962. Twenty-one cases represent delayed reports with onsets of illness in 1961.

To date in 1962, there have been 83 poliovirus isolates reported from the 229 paralytic cases. Of these, 69 are Type I, and 14 are Type III poliovirus. Texas has accounted for more than half of the isolates which have been reported. The isolates have been reported from the following States:

Dold and much

		Po	liovir	US	STREE WRITERIAN T	YAR BURN MUTCHE	3
	State	and the second	H	<u>111</u>	AIT(JE/MOL	Total	r dab
	Vaccine (Inactivated) Alabama	ys pt	30 0 14	<u>0147117</u> 1	ond forw as	A. <u>Cas</u>	
of ted	Arizona California Colorado Ceorgia	2 has 1 of 1 ac 1 fac	0 0 0	veelo 2 0 1 1 1 0 1 1 0	the past two with ouset w	2 3311UC / ajilaymol	pol vac a 2
368	Illinois conflicto Kentucky ollog bodsvi Louisiana	surga da	rsusy	11 10 80 11 8	riedxe opu p	and the sump	00
, 67	Massachusetts yab-08-m	ob/ 2 / 0	00 d	are Novo	in 1962, ch	stil of	
	Minnesota	2	0	0		are par 2 ily	n i s
bett.	Mississippi Montana New York Ohio	4 0 4 0 0 0	0	0 aralytic	a vab-00-tab	4 10 2 1 2 0 1	
ding These	the two-week period	iur (o ig Veatur	0n ¦o rd ⊫from	illangee reported	elitis Surve cases vere	the Poltsmyn ust 4. Two	AUR
bevom l	Frio County, TexaBaxaT	47 on.	to Q ay	ls 2 I s	received Typ	49 30860	0WJ
sbrion0	SU Report No. 26 daJU	(Sel P	3 Oct	fi Q o te	ano od notru	California	0.7
. dai	Wyoming and tot balaur	and n'	10 0 v to	023 (000	, rk and Cuvah	av Link . via	Cou.
	, egag galwolldì e. TATAL						

The Poliomyelitis Surveillance Unit has received individual case forms on 177 of the 229 paralytic cases with onset in 1962. The vaccination status of the 177 paralytic cases by age group is shown below. Sixty-three (70 percent) of the 90 cases with known vaccination history in the 0-4 age group have been unvaccinated.

Paralytic Poliomyelitis by Age Group And Vaccination History Reported on PSU Forms (Through August 6, 1962)

Age	Dose	es of In	nactiv	rated	Vaccine	a ogo sa inn i ga	
Group ager	ov	<u>1-2V</u>	<u>3v</u>	<u>4+V</u>	Unk.	<u>Total</u>	Percent
Type I age	63	18	4 [?]	5	₽ <u>7</u> 5	97 [§]	54.8
5-9	12	3	5	9		31	17.5
10-14	7	0	5	0	ned nu a	12 12	
15-19	3	1	3.	0	0	The long to 15 and	4.0
20-29	8	110937	as Jas	e tromy o	od Stakie.	isg ig15eeso	8.5
30-39	19350	eryopage	Ó	2	al ₁ 39800	t 4, 829 had	cusuA saisne xeew
40+	6	1	0 ¹⁰	0 1	asouir:	ith opsets of	delayedorgorts w

0.001t2 in 1962771here have 26en 8710018701ru82 solates reported from the 229 paralytic cases. Of these, 59 are Type 1 and 4 are Type ATM polioving Texas has accounted for more than half of the isolates have been reported. 0.001solates have 201 0.01 0.15 0.26 States

4. ROUTINE POLIOMYELITIS SURVEILLANCE - 1962

A. <u>Cases with Onset Within 30 Days of Vaccine</u> (Inactivated)

During the past two weeks, there has been one paralytic case of poliomyelitis with onset within 30 days of vaccination with inactivated vaccine reported to the Poliomyelitis Surveillance Unit. This patient, a 22-month old female from Tuscaloosa County, Alabama, had been vaccinated on June 29, and had experienced first symptoms of illness on July 8. She previously had been given three doses of inactivated polio vaccine.

To date in 1962, there have been 9 under-30-day cases reported, six are paralytic.

B. Cases with Onset Within 30 Days of Vaccine (Oral)

Four under-30-day paralytic cases of poliomyelitis were submitted to the Poliomyelitis Surveillance Unit during the two-week period ending August 4. Two cases were reported from Ventura County, California. These two cases had received Type I oral vaccine in Frio County, Texas and moved to California prior to onset of illness (See PSU Report No. 263). Onondaga County, New York and Cuyahoga County, Ohio accounted for one case each. Details concerning these cases are shown on the following page.

B. Illinois

Scate

Louisiana

State	County	Age Sex	Onset		Type Fed	Onset Interval
California	Ventura	2 F	6-22	6-2	I	20 days
California	Ventura	13 mos. M	6-26	6-2	I	24 days
New York	Onondaga	49 M	6-17	5/21 - 5/25	III	23-27 days
Ohio	Cuyahoga	35 M	7-18	6-24	III	24 days

To date in 1962, there have been 19 under-30-day cases, 18 paralytic, reported. Nine of these cases were fed in areas of Texas in community vaccination programs.

15enG - L	Date Iype				
Interval			<u>A 88</u>	Country	elan2
and the second states of the					
20 days	5-2 E.	. SS+d. :	S. S.	stateva	California
24 days	化推动 化速淬	6 - 26	N .som El	BALIDOV	California California
23-27 days	3/21-5/25 111	5.1-0	M 64	Onondaga	New York
24 days	6-24 111	7+18	35 N M	Cuyahoga	oldo

To date in 1962, there have been 19 under-30-day cases, 18 paralytic, reported. Mine of these cases were fed in areas of Texas in community vaccination programs.

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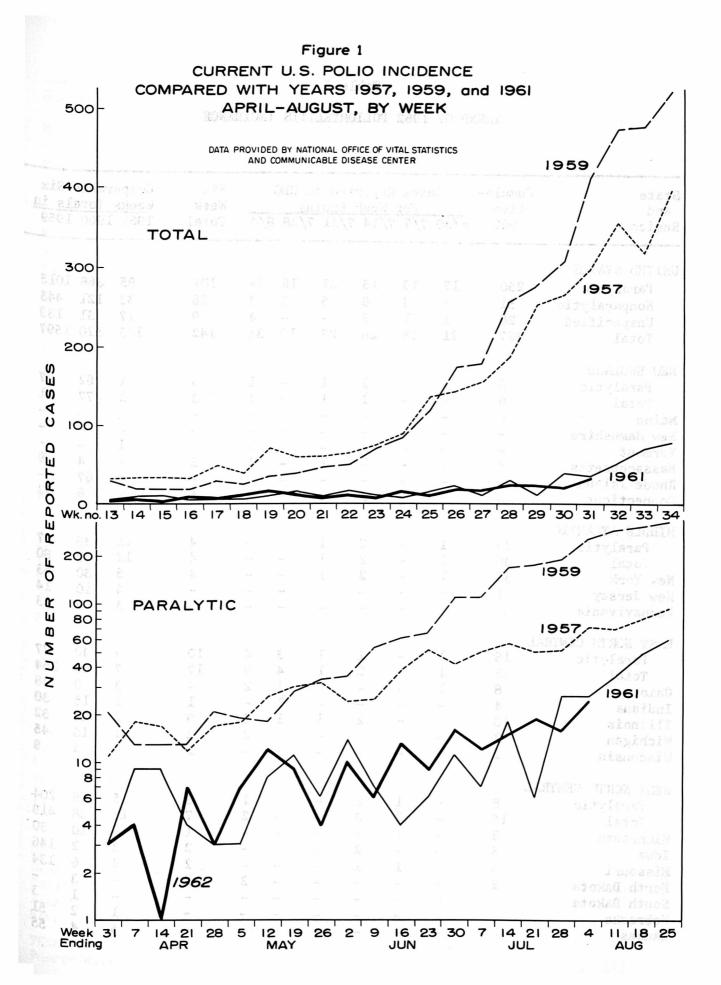


Table I

TREND OF 1962 POLIOMYELITIS INCIDENCE

State and	Cumula- tive	Ca			ted to Endi			Six Week	Compa Weeks		
Region	1962	6/30	7/7	7/14	7/21	7/28	8/4	Total	1961		
UNITED STATES											
Paralytic	250	17	13	15	22	16	24	107	95	368	1015
Nonparalytic	51	3	4	8	5	3	3	26	33	121	443
Unspecified	26	1	1	3	_	_	4	9	17	31	139
Total	327	21	18	26	27	19	31	142	145	520	1597
NEW ENGLAND											
Paralytic	6		-	1	1		1	3	1	62	27
Total	6	-	-	ī	ī	-	ī	3	1	77	41
Maine	_	-		-	_	-	-	_	-		2-
New Hampshire	-	-	-	-	-	-		-	-	-	-
Vermont	-	-	-	-	-		-	-	1		
Massachusetts	4	-		_	1	-	1	2	-	4	9
Rhode Island	and the second		-	-	-	_	-			67	
Connecticut	2	-	,	1			· · · · · · · · · · · · · · · · · · ·	1	a chuir a th	6	32
1 30 31 33 15 05 1											
MIDDLE ATLANTIC		_			-						- 0
Paralytic	23	1	-	2	1 1 1	-	-	4	11	38	57
Total	36	1	-	2	1	-	-	4	12	48	80
New York	35	1	-	2		-	-	4	5	30	43
New Jersey	1	-	-	-	-	-	-	-	4	10 8	14 23
Pennsylvania	-	-	-	-	-	-	-	- 11	3		23
EAST NORTH CENTRA										17.2	32
Paralytic	16	1	-	1	1	3	4	10	3	40	77
Total	26	1	-	2	1	4	9	17	7	69	164
Ohio	8	1	-	-	`	1	2	4	3	9	48
Indiana	4	-	-		-	1	-	1	1	15	30
Illinois	10	-	-	2	1	1	5	9	2	26	32
Michigan	2	~~, = -	-	-	-	-	2	2	1	15	45
Wisconsin	2	-		-	- 	l	–	1	-	4	9
WEST NORTH CENTR	AL										
Paralytic	8	_	1	1	12/	-	1	3	5	19	204
Total	15	-	2	3	<u></u>	-	2	7	12	28	419
Minnesota		-	ī	-		-	4	1/1	l'-à	10	30
Iowa	5	-	_	2	-	-	-	2	2	2	146
Missouri	3 5 5	-	1	ĩ		-	-	2	4	6	134
North Dakota	2	-	_	_	-	-	2	2	/ -	3	-
South Dakota	-	-	-	-	-	-		-	/ -	1	3
Nebraska	a antina a tan a anana a	-	-		-	-	-	-	1	2	51
Kansas									5	4	55

State and	Cumula- tive	Ca			ted to Endir		;	Six Week		rable	Six Is in
Region	1962	6/30	7/7	7/14	7/21 7	728	8/4	Total	1961		
SOUTH ATLANTIC											
Paralytic	14	1	1	1	-	2	1	6	28	59	155
Total	17	1	1	1	~	2	1	6	40	95	204
Delaware	-	-	-	-	-	-	-	-	-		1
Maryland	-	-	-	-	-	-	-	-	8	1	1
D. C.	1	-	-	-		-	-	-	1	-	-
Virginia	3	-	-	-	-	1	-	1	1	3	52
West Virginia	3	1	1	1	-	-	-	3	4	9	13
North Carolina	2	-		-	-	-	-	-	3	16	55
South Carolina	2	-	-	-	-	1	-	1	3	54	14
Georgia	2	-	-	-	-	-	-	-	10	1	35
Florida	4	-	-		-	-	1	1	10	11	33
EAST SOUTH CENTRA	L	-					•				
Paralytic	12	1	-	1	-	4	2	8	11	24	150
Total	16	2	~	2	-	4	2	10	15	25	175
Kentucky	8	1	-	2	-	1	2	6	3	-	7
Tennessee	3	T		-	-	ī	-	1	6 4	4	53
Alabama	3 2	-	-	-	-	2	-	1 2	4	7 14	88
Mississippi		-	-	-	-	2	-	2	2	14	27
WEST SOUTH CENTRA		•	•	c	14	6	10	E	10		005
Paralytic	131	8 11	9 13	6 11	$14 \\ 19$	8	12 13	55 75	12 26	46 84	225
Total Arkansas	165	11				-	13	13	20	64 8	358 84
Louisiana	2 10		-	ī	-	ī	i	3	6	21	38
Oklahoma	3	-	_	ī	-	-	i	2	2	5	56
Texas	150	11	13	9	19	7	10	69	16	50	180
	130	11	10	3	1 0	•	10	00	10	00	100
MOUNTAIN	0						1	1	7	5	24
Paralytic	8	-	-	ī	-	_	i	2	12	10	41
Total Montana	10	-	-	_	_		-	-	2	2	2
Idaho	_	-	_	_	_	_	1	1	5	-	2
Wyoming	1	_		_	_	_	-	-	-	3	ĩ
Colorado	1	_	_	1	_	-	_	1	_	3	5
New Mexico	-	_	_	-	_	-	_	-	2	-	13
Arizona	3	_	_	-	-	_	_	-	2	_	16
Utah	ĩ	_	-	-	-	-	-	-	ī	2	-
Nevada	-	-	-	-	_	-	_	-	-	_	2
PACIFIC											
Paralytic	32	5	2	2	5	1	2	17	17	75	96
Total	36	5	2	2 3	5	1:		18	20	84	115
Washington	-	_	-	-	-	-	-	-	4	3	18
Oregon	5	1	-	-	3	-	-	4	3	3	26
California	30	4	2	3	2	1	2	14	13	77	64
Alaska	-		-	-	-	-	-	-	-	-	7
Hawaii	1	-	-	-	-	-	-	-	- -	1	-
TERRITORY										•	
Puerto Rico	8			1				1	1	117	

Table I (Continued)

Table I (Continued)

tate and egion	Ounu la dive 1900	Cases Reported to CDC					Six Comparable Six Week <u>Veeks Totals</u> i			
		6/30				7/28	2/8	Total		1960 1959
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Paralytic	32		21	23	5		2	17	5.7	75 96
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