

COMMUNICABLE DISEASE CENTER

# POLIOMYELITIS

## S U R V E I L L A N C E

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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.

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## SUMMARY

During the ten week period ending June 1, 1963, there were 21 cases of poliomyelitis reported, 18 of which were paralytic. The total for the year thus far is 56 cases (48 paralytic), considerably below a comparable period in any previous year.

In Section 2, the most recent available data on known mass community oral vaccination programs is presented. From dates of licensure through April 1963, more than 41 million persons have received Type I oral polio vaccine, 24 million Type II, and 19 million Type III.

A final report on the 909 cases of poliomyelitis reported in 1962 appears in Section 3. Analysis by diagnostic classification, age group, inactivated poliomyelitis vaccine status and viral isolations is presented for all reported cases. Additionally, the 47 fatalities related to poliomyelitis in 1962 are examined in regard to age and vaccination status. Age specific case fatality rates are also presented and demonstrate a steady rise in the paralytic case fatality rate with increasing age.

A total of 25 cases of poliomyelitis had onsets of illness during 1962 occurring within 30 days following inactivated poliomyelitis vaccination. The data are summarized in Section 4. None with onsets in 1963 have been reported thus far. During the last ten weeks, nine cases (eight with 1963 onsets) have been reported as having occurred within 30 days following receipt of oral polio vaccine. These are also discussed in Section 4.

The reported cases of paralytic poliomyelitis since oral vaccine licensure with onsets less than 30 days after receiving OPV are analyzed (Section 5) by type of vaccine administered and age. The cases following Type III predominate and are strikingly clustered in the over 30 year old age groups.

Recent poliomyelitis morbidity trends in West Germany show a considerable decrease when compared to previous years. A summary of West Germany's recent experience with poliomyelitis and a comparison of 1962 morbidity data from several other European countries is presented in Section 6.

### 1. CURRENT POLIOMYELITIS MORBIDITY TRENDS

Twenty-one cases of poliomyelitis, (18 paralytic) have been reported during the ten week period ending June 1, 1963. No more than three cases have occurred during any single week. Four cases have been reported from California, three from Louisiana, and two from Florida and Ohio.



The cumulative totals for 1963 and the four preceding years are presented below. The totals for the current year remain considerably less than in previous years.

Poliomyelitis (Cumulated Weekly) through the 22nd Week for 1963 and the

Past Four Years

	<u>1963</u>	<u>1962</u>	<u>1961</u>	<u>1960</u>	<u>1959</u>
Paralytic	48	115	127	237	405
Total	56	152	185	331	581

During the past six weeks, eleven cases have been reported, strikingly less than during a similar period in the preceding four years. These six week totals are tabulated below.

Poliomyelitis (17th thru 22nd Week) for 1963 and the Past Four Years

	<u>1963</u>	<u>1962</u>	<u>1961</u>	<u>1960</u>	<u>1959</u>
Paralytic	8	54	45	55	154
Total	11	63	58	79	227

2. Known Oral Poliomyelitis Vaccination Programs

Through April 1963 more than 41 million persons have been reported to the Poliomyelitis Surveillance Unit as having received Type I oral polio vaccine since licensure in August 1961, in mass community programs. There have been 24 million fed Type II (since licensure in October 1961) and almost 19 million of Type III (from licensure in March 1962) in mass programs.

The following tables show reported vaccine usage of each type by month utilized as well as by State.

The amount of vaccine distributed by the pharmaceutical companies exceeds these figures. Some of this vaccine has been purchased but not as yet used; some will have been distributed by private practitioners and in clinics apart from the mass programs; and, in addition, with many of the programs there has been some small proportion of "wastage". The total number of individuals actually fed the vaccine will lie somewhere between these two figures. A comparative table is shown below.

	<u>Number of Doses (in 1,000's)</u>		
	<u>I</u>	<u>II</u>	<u>III</u>
Reported fed in mass programs	41,296	24,130	18,755
Distributed by pharmaceutical Co.'s	64,734	57,298	51,955

ORAL POLIO VACCINE BY MONTH OF ADMINISTRATION FROM DATES OF LICENSURE

	<u>I</u>	<u>II</u>	<u>III</u>
August 1961	348,684		
September			
October	400	40,000	
November	147,863	111,000	
December	89,835	400	
January 1962	1,142,920		
February	44,550	453,170	
March	600,633	680,121	
April	494,656	424,030	915,246
May	5,528,405	265,912	1,674,210
June	2,754,128	332,996	6,082,574
July	1,508,732	1,883,691	1,911,858
August	3,160,500	634,800	243,939
September	9,828,704	1,917,303	1,427,894
October	8,312,438	3,223,803	429,106
November	918,416	8,920,960	97,871
December	1,531,673	2,848,989	141,353
January 1963	829,804	1,489,481	1,728,935
February	612,732	51,809	707,691
March	2,005,402	410,544	3,138,079
April	19,097	31,883	101,840
Unk. Month 1962	1,416,804	409,317	154,693
TOTAL	41,296,376	24,130,209	18,755,289

MASS ORAL POLIOMYELITIS VACCINATION PROGRAMS FROM MONTH  
OF VACCINE LICENSURE THROUGH APRIL 1963

ESTIMATED NUMBER OF DOSES FED

State	August 1961 Type I	October 1961 Type II	April 1962 Type III
Alabama	341,737	266,882	0
Alaska	72,617	81	0
Arizona	957,953	867,430	890,353
Arkansas	689,845	92,106	192,381
California	10,001,777	5,786,576	3,182,681
Colorado	745,781	689,946	712,531
Connecticut	799,836	0	7,233
Delaware	892	0	887
D. C.	0	0	0
Florida	222,543	200,941	185,346
Georgia	487,958	443,570	1,190
Hawaii	483,883	478,419	0
Idaho	269,081	9,837	0
Illinois	614,464	172,543	77,052
Indiana	227,925	170,830	68,958
Iowa	266,750	179,375	171,900
Kansas	1,038,882	1,102,000	24,000
Kentucky	997,955	227,594	685,622
Louisiana	200,000	200,000	100,000
Maine	265,162	103,066	17,603
Maryland	1,078,271	995,049	93,143
Massachusetts	1,379,828	0	1,888,640
Michigan	51,200	22,300	100,980
Minnesota	844,219	1,346,470	853,609
Mississippi	26,000	0	0
Missouri	0	0	0
Montana	0	0	0
Nebraska	911,356	816,133	931,422
Nevada	248,032	227,457	133,000
New Hampshire	138,178	116,645	108,498
New Jersey	190	0	0
New Mexico	448,073	453,065	0
New York	865,158	181,792	743,273
North Carolina	0	0	0
North Dakota	146,332	44,672	964
Ohio	5,823,621	4,401,853	4,337,082
Oklahoma	838,239	320,690	101,276
Oregon	0	0	804,239
Pennsylvania	696,706	83,902	91,144
Rhode Island	0	0	0
South Carolina	25,550	24,083	24,365
South Dakota	609,650	0	10,000
Tennessee	0	0	0
Texas	6,599,959	3,678,417	2,071,469
Utah	800,000	0	0

MASS ORAL POLIOMYELITIS VACCINATION PROGRAMS FROM MONTH  
OF VACCINE LICENSURE THROUGH APRIL 1963  
ESTIMATED NUMBER OF DOSES FED  
(Continued)

<u>State</u>	<u>August 1961</u> <u>Type I</u>	<u>October 1961</u> <u>Type II</u>	<u>April 1962</u> <u>Type III</u>
Vermont	10,843	0	6,522
Virginia	1,235	1,900	2,500
Washington	320,888	191,190	83,000
West Virginia	311,393	14,012	600
Wisconsin	357,011	179,021	7,616
Wyoming	79,403	40,362	44,210
TOTAL	41,296,376	24,130,209	18,755,289

3. 1962 POLIOMYELITIS REPORTED TO PSU - FINAL REPORT

During 1962, a total of 909 cases of poliomyelitis was reported to the Poliomyelitis Surveillance Unit on preliminary individual surveillance forms. Follow-up reports 60 days after onset of illness have been received on 886 of these cases (97.5%). This excellent percentage of follow-up is due mainly to the diligent efforts of State and local health officials.

Analysis of the preliminary and the 60 day follow-up classification of cases is presented in Table I. The "Best Available Paralytic Case Count" is 683 and consists of the 666 cases with residual paralysis plus the 17 cases with the preliminary classification "paralytic," but without known follow-up.

Similarly, the "Best Available Non-paralytic Case Count" is composed of the following: (1) Cases preliminarily reported as paralytic poliomyelitis but without residual paralysis at the time of final classification (80 cases); (2) Nonparalytic poliomyelitis (92 cases); (3) Aseptic meningitis (43 cases) and (4) Five cases whose preliminary diagnoses were nonparalytic polio but without follow-up. This total of 218 cases includes infections caused by polioviruses as well as other viruses.

TABLE I  
POLIOMYELITIS CASES BY PRELIMINARY DIAGNOSIS AND  
FINAL CLASSIFICATION, UNITED STATES, 1962

<u>Final Classification</u>	<u>Preliminary Diagnosis</u>			<u>Total</u>
	<u>Paralytic</u>	<u>Non-Paralytic</u>	<u>Unspec.</u>	
Paralytic polio with residual paralysis	656	10	0	666
Paralytic polio - no residual paralysis	79	0	1	80
Nonparalytic polio	0	92	0	92
Aseptic Meningitis Syndrome	9	34	0	43
Other Diagnosis	4	1	0	5
No Follow-up	17	3	3	23
<b>TOTAL</b>	<b>765</b>	<b>140</b>	<b>4</b>	<b>909</b>

The final case count is presented in Table II by paralytic status 60 days after onset, age group, and by history of receipt of inactivated vaccine. As in recent years, paralytic cases were concentrated in the preschool age group (49.5 %) whereas the nonparalytic cases were distributed more uniformly throughout childhood. Sixty-four percent of the paralytic cases were unvaccinated compared to 41 percent of the nonparalytic cases. Twenty-one percent of the paralytic cases had received three or more doses of inactivated poliomyelitis vaccine, compared to 42 percent among the nonparalytic cases.



TABLE II

POLIOMYELITIS CASES BY PARALYTIC STATUS,\* AGE GROUP, AND  
INACTIVATED VACCINATION HISTORY REPORTED IN THE UNITED STATES  
1962

Age Group	Paralytic						Total	Percent
	Doses of Inactivated Vaccine							
	0	1	2	3	4+	Unk.		
0-4	240	26	26	17	21	8	338	49.5
5-9	68	7	9	26	26	3	139	20.4
10-14	23	5	10	17	13	2	70	10.2
15-19	12	1	2	6	4	1	26	3.8
20-29	39	4	3	2	2	2	52	7.6
30-39	25	3	3	2	2	1	36	5.3
40+	18	-	2	-	1	1	22	3.2
TOTAL	425	46	55	70	69	18	683	100.0
PERCENT DOSES	63.9	6.9	8.3	10.5	10.4	-	100.0	
	Nonparalytic							
0-4	24	7	10	8	8	3	60	27.5
5-9	21	3	3	6	22	1	56	25.7
10-14	12	4	3	9	11	-	39	17.9
15-19	8	3	-	5	6	2	24	11.0
20-29	10	1	2	3	2	1	19	8.7
30-39	6	-	-	3	2	1	12	5.5
40+	5	-	-	1	1	1	8	3.7
TOTAL	86	18	18	35	52	9	218	100.0
PERCENT DOSES	41.1	8.6	8.6	16.7	24.9	-	100.0	

\*Based on final classification 60 days after onset.

There were 47 fatalities attributed to poliomyelitis during the year 1962, 92 percent having had bulbar involvement. The fatalities are presented by history of receipt of inactivated vaccine and age group in Table III. It will be noted that the case-fatality rate increases with age, being lowest among pre-school children and highest in the over 40 age group. Thirty of the 44 in whom vaccination status is known had received no vaccine.

TABLE III

POLIOMYELITIS DEATHS BY DOSES OF INACTIVATED VACCINE AND AGE GROUP,  
UNITED STATES, 1962

Age Group	Doses of Vaccine						Total	Total Para. Cases	Paralytic Case Fatality Rate/100
	0	1	2	3	4+	Unk.			
0-4	11	0	0	0	3	1	15	338	4.4
5-9	2	0	1	1	3	0	7	139	5.0
10-14	4	1	2	1	0	0	8	70	11.4
15-19	1	1	0	1	0	0	3	26	11.5
20-29	5	0	0	0	0	1	6	52	11.5
30-39	4	0	0	0	0	0	4	36	11.1
40+	3	0	0	0	0	1	4	22	18.2
TOTAL	30	2	3	3	6	3	47	683	6.9

Specimens for virologic study were obtained from 464 (68 percent) of the cases of paralytic poliomyelitis reported in 1962 (Table IV). Isolates were obtained from 401 of these, 398 of them being polioviruses as follows: Type I, 294; Type II, 8; Type III, 95. Of the Type I isolates 31.2 percent were from Texas.

TABLE IV

State	Total Para. Cases	Total Case Lab Studied	Percent Studied	Poliovirus Isolations			Type*	ECHO	Cox	Neg.
				I	II	III				
Alabama	20	15	75.0	10	1	1				3
Alaska	-	-	-	-	-	-				-
Arizona	3	2	66.7	2	-	-				-
Arkansas	19	10	52.6	7	1	-				2
California	68	44	64.7	26	1	13		1	1	2
Colorado	4	3	75.0	1	2	-				-
Connecticut	0	-	-	-	-	-				-
Delaware	-	-	-	-	-	-				-
D. C.	2	1	50.0	-	-	1				-
Florida	11	3	27.3	1	-	1				1
Georgia	18	11	61.1	7	-	2				2
Hawaii	-	-	-	-	-	-				-
Idaho	1	1	100.0	-	-	1				-
Illinois	48	42	87.5	31	-	8				3
Indiana	22	11	50.0	6	-	2				3
Iowa	3	2	66.7	1	-	-				1
Kansas	-	-	-	-	-	-				-
Kentucky	14	12	85.7	11	-	1				-
Louisiana	36	34	94.4	20	-	9				5
Maine	-	-	-	-	-	-				-
Maryland	1	1	100.0	1	-	-				-
Massachusetts	6	3	50.0	3	-	-				-
Michigan	17	13	76.5	8	-	5				-
Minnesota	5	5	100.0	3	-	-				2
Mississippi	22	12	54.5	2	-	8				2
Missouri	6	3	50.0	1	2	-				-
Montana	2	1	50.0	1	-	-				-
Nebraska	7	2	28.6	-	-	1				1
Nevada	-	-	-	-	-	-				-
New Hampshire	3	3	100.0	1	-	2				-
New Jersey	8	6	75.0	3	-	1				2
New Mexico	2	2	100.0	2	-	-				-
New York	27	20	74.1	7	-	7				6
North Carolina	11	6	54.5	3	-	-				3
North Dakota	3	2	66.7	-	-	-				2
Ohio	18	17	94.4	8	-	3	1*			5
Oklahoma	28	9	32.1	5	-	3				1
Oregon	4	4	100.0	-	-	2				2
Pennsylvania	16	11	68.8	4	-	3				4
Rhode Island	-	-	-	-	-	-				-
South Carolina	6	6	100.0	2	-	3				1
South Dakota	1	-	-	-	-	-				-
Tennessee	7	5	71.4	2	1	1				1
Texas	174	107	61.5	92	-	8		1		6
Utah	1	1	100.0	1	-	-				-

TABLE IV (Continued)

State	Total Para. Cases	Total Case Lab Studied	Percent Studied	Poliovirus Isolations			Type*	ECHO	Cox	Neg.
				I	II	III				
Vermont	1	1	100.0	-	-	1				-
Virginia	8	4	50.0	1	-	3				-
Washington	5	5	100.0	3	-	1				1
West Virginia	16	15	93.8	12	-	1				2
Wisconsin	8	8	100.0	5	-	3				-
Wyoming	1	1	100.0	1	-	-				-
TOTAL	683	464	67.9	294	8	95	1	2	1	63

\*Types I and III Isolated.

#### 4. ROUTINE POLIOMYELITIS SURVEILLANCE

##### A. Cases with Onsets within 30 Days Following Inactivated Vaccine 1962 Final Report

During 1962, 25 cases of poliomyelitis occurring within 30 days following inoculation with inactivated polio vaccine were reported to the Poliomyelitis Surveillance Unit on individual case forms. Epidemic areas accounted for 14 of the cases (56 percent). In Texas intensive immunization programs were conducted during May through October of 1962 at the time of the Type I outbreak of poliomyelitis. In such a situation, an increased number of cases with recent immunizations is not unexpected.

Of the 25 cases reported, 19 were classified as paralytic and 6 nonparalytic on preliminary reports. There were 17 paralytic and 8 nonparalytic following correction for 60-day final classification reports.

One case, from Mobile County, Alabama, was correlated as to vaccine site and site of first paralysis. There has been no indication of any break in vaccine safety during the year 1962. A line listing of these cases appears below.

To date, there have been no cases with onsets within 30 days following inactivated vaccine reported for 1963



POLIOMYELITIS CASES OCCURRING WITHIN 30 DAYS FOLLOWING INACTIVATED POLIO VACCINE

UNITED STATES, 1962

State	County	Age	Race	Sex	Date of Onset	Date of Last IPV	IPV	OPV	Virus Isol.	Prelim. Status	Final Class.	Epidemic Area
Ala.	Tuscaloosa	22 mos.	W	F	7-8	6-29	3	-	I	P	P	
Ala.	Mobile	4	NW	M	8-6	7-31	2	-	I	P	P	*
Ala.	Choctaw	6	W	M	9-17	9-15	0	-	I	P	NP	
Ark.	Washington	11	W	M	11-6	10-29	0	I	I	NP	NP	
Calif.	Marin	33	W	F	10-22	10-17	4	I	III	NP	NP	
Fla.	Orange	2	W	M	8-12	7-26	3	-	-	P	P	
Ill.	Winnebago	4	W	M	8-26	8-16	3	-	Neg.	NP	NP	
La.	Lincoln	8	NW	M	10-27	10-11	5	-	Neg.	P	P	
Mich.	Oakland	4	Unk.	M	8-11	8-1	0	-	I	P	NP	
Mich.	Presque Isle	12	Unk.	M	9-28	9-12	1	-	-	P	P	
Pa.	Cambria	13	W	M	7-24	7-17	3	Unk.	I	P	P	*
S.C.	Charleston	18/12	W	M	9-26	9-14	2	Unk.	I	P	P	
Tenn.	Shelby	18/12	NW	F	10-19	11-11	3	Unk.	II	P	P	
Texas	Bexar	4	NW	M	5-14	5-10	0	-	I	P	P	*
Texas	Bexar	17	W	M	5-19	5-15	0	-	I	NP	NP	*
Texas	Bexar	3	W	M	5-16	5-14	0	-	I	NP	NP	*
Texas	Frio	3	W	M	6-2	5-31	0	I	-	NP	NP	*
Texas	Frio	3	W	M	6-8	5-31	0	I	I	P	P	*
Texas	Frio	18/12	W	M	5-23	5-?	1	-	-	P	P	*
Texas	Wilson	9/12	W	M	6-4	5-26	0	-	-	P	P	*
Texas	Dallas	2	W	M	6-27	6-23	0	-	I	P	P	*
Texas	Lubbock	2	W	M	7-1	6-21	0	-	I	P	P	*
Texas	Coryell	2	W	F	9-6	8-17	0	-	-	P	P	*
Texas	Moore	10	W	M	9-24	9-?	2	-	-	P	P	*
Texas	Dallas	6	NW	M	9-6	8-27	4	-	-	P	Unk.	*

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

Nine additional cases of poliomyelitis, all paralytic, occurring within 30 days following oral vaccine have been reported on individual case forms. Eight had onsets of illness in 1963. Four of the cases received Type I vaccine within 30 days prior to onset, four received Type III and one case received Type II.

A line listing of the cases appears on the following page.

<u>State</u>	<u>County</u>	<u>Age</u>	<u>Sex</u>	<u>Onset</u>	<u>Date Fed</u>	<u>Interval (Days)</u>	<u>Type Fed</u>	<u>Doses I.P.V.</u>	<u>Para. Status</u>	<u>Virus Isol.</u>
Texas	Harris	12	F	12-2 1962	12-21 1962	19	II	4	P	-
Calif.	Sacramento	38	M	1-13	1-24	11	III	0	P	III
Calif.	Los Angeles	34	M	2-9	3-1	19	III	0	P	-
Calif.	Shasta	2	M	3-10	3-26	16	III	3	P	III
La.	Evangelina	10	M	2-10	2-14	4	I	-	P	I
La.	Rapides	4	M	4-7	4-14	7	I	5	P	I
Texas	Bexar	20	M	1-13	1-25	12	III	0	P	III
Wash.	Yakima	61	F	3-3	3-17	14	I	0	P	I
Wisc.	Chippewa	18	M	3-16	3-26	10	I	0	P	I

5. ANALYSIS OF CASES OF PARALYTIC POLIOMYELITIS OCCURRING WITHIN  
30 DAYS AFTER ORAL POLIO VACCINE ADMINISTRATION

Following the last meeting of the Surgeon General's Oral Poliomyelitis Vaccine Advisory Committee Meeting on December 17 and 18, 1962, all under 30 day OPV cases considered were presented in the form of a line listing (PSU Report No. 273). Since that time, 14 additional cases of paralytic poliomyelitis have been reported following oral polio vaccine administration by less than 30 days, one of these had no residual paralysis at 60 days. Each of these cases appears in a line listing form either in this issue (Section 4) or in earlier reports this year (PSU Nos. 274, 275, and 276).

In the table on the following page these cases are listed by vaccine type fed. Cases previously adjudged by the Advisory Committee as either "compatible" or "inconclusive" (see PSU No. 273) are separately noted.

REPORTED CASES OF PARALYTIC POLIOMYELITIS FOLLOWING

O.P.V. BY LESS THAN 30 DAYS\*

(excluding cases from epidemic areas)

Vaccine Type Administered	Cases Reported Since 12/20/62 No. Cases	Cases Already Considered By Committee	
		No. Cases "Compatible"	No. Cases "Inconclusive"
Type I	6	7	6
Type II	2**	0	2
Type III	5	11	7

\*Not included are (1) Cases with no residual paralysis at 60 days, and (2) Cases considered "excluded" by Committee.

\*\*Includes one dubious case in 71 year old man with history of previous severe trauma to involved extremity.

When the age distribution of these cases is examined (see Table below), it is apparent that most of the cases following Type III are among persons over age 30. There is a more even age distribution among those cases following Type I. The age distribution of all reported cases of paralytic poliomyelitis occurring during 1962 has been presented in Section 3.

AGE DISTRIBUTION OF CASES OF PARALYTIC POLIOMYELITIS  
FOLLOWING ORAL POLIO VACCINE BY LESS THAN 30 DAYS

Age Group	Cases Following Type I			Cases Following Type III		
	Reported Since 12/20	Considered by Committee "Compatible" "Inconclusive"		Reported Since 12/20	Considered by Committee "Compatible" "Inconcl."	
0-4	1	1	0	1	0	0
5-9	0	0	1	0	0	1
10-19	3	2	3	0	2	1
20-29	0	0	1	1	1	0
30-39	1	2	1	3	4	0
40-49	0	1	0	0	1	1
50+	1	1	0	0	3	4
TOTAL	6	7	6	5	11	7
No. over 30	2	4	1	3	8	5

## 6. POLIOMYELITIS IN WEST GERMANY

A report on current morbidity trends from Dr. Werner Anders, Federal Health Ministry, West Germany, has been received at the Poliomyelitis Surveillance Unit. Through April 24, 1963, a total of 17 cases of poliomyelitis (14 paralytic) have been reported for 1963. This compares to 156 cases (121 paralytic) over a similar period in 1962 and 323 cases (260 paralytic) during this same period in 1961.

Annual totals for the years 1953 to 1962 are presented in the table below. Based on telegraphic reports, these figures show the 1962 incidence to be far below any previous year.

<u>Year</u>	<u>Total Cases</u>	<u>Through April 24</u>
1963		17
1962	288	156
1961	4,594	323
1960	4,162	
1959	2,100	
1958	1,736	
1957	2,403	
1956	4,160	
1955	3,113	
1954	2,776	
1953	2,333	

The incidence of polio in Germany during 1962 is compared to other nations of Western Europe in the table below, with attack rates for each country.

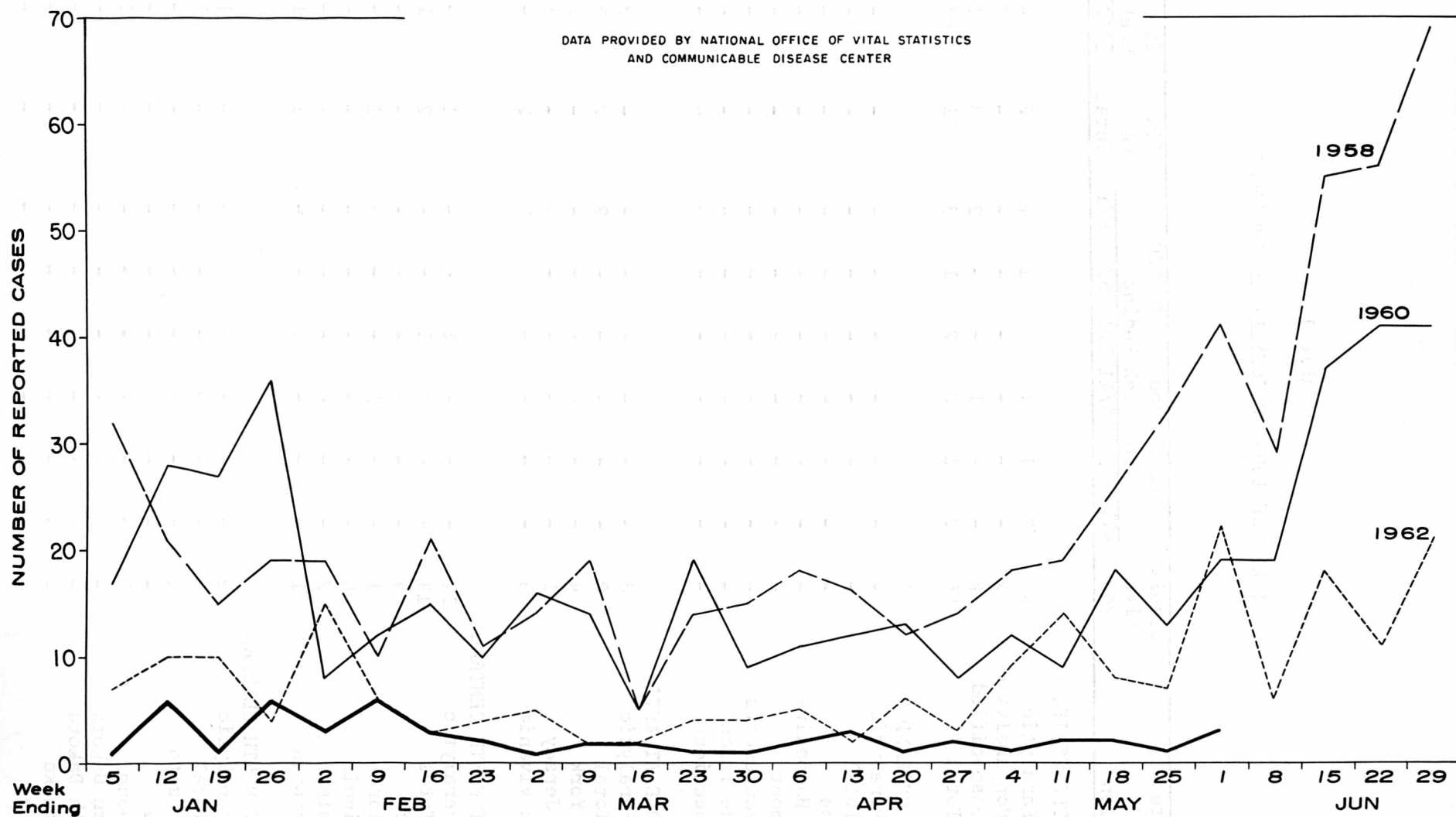
### POLIOMYELITIS AMONG CERTAIN EUROPEAN COUNTRIES, 1962

<u>Country</u>	<u>Reporting Through (Date)</u>	<u>Total Cases</u>	<u>Attack Rate per 100,000 pop.</u>
West Germany	12-29-62	288	0.5
Netherlands	12-29-62	36	0.3
Belgium	12-29-62	149	1.7
France	12-15-62	1,021	2.3
Switzerland	12-22-62	12	0.2
Austria	12-29-62	31	0.4
Czechoslovakia	12-20-62	0	0.0
Finland	11-30-62	0	0.0
Italy	11-30-62	2,889	5.9
Yugoslavia	12-7-62	36	0.2
Denmark	8-31-62	10	0.2



# CURRENT U.S. POLIO INCIDENCE COMPARED WITH YEARS 1958, 1960, and 1962

DATA PROVIDED BY NATIONAL OFFICE OF VITAL STATISTICS  
AND COMMUNICABLE DISEASE CENTER



TREND OF 1963 POLIOMYELITIS INCIDENCE

[illegible]

Table 1 (Continued)

State and Region	Cumula- tive 1963	Cases Reported to CDC For Week Ending						Six Week Total	Comparable Six Weeks Totals in		
		4/27	5/4	5/11	5/18	5/25	6/1		1962	1961	1960
SOUTH ATLANTIC											
Paralytic	5	1	-	1	-	-	-	2	4	3	5
Total	6	1	-	1	-	-	-	2	4	3	7
Delaware	-	-	-	-	-	-	-	-	-	-	-
Maryland	-	-	-	-	-	-	-	-	-	-	-
D. C.	-	-	-	-	-	-	-	-	-	-	-
Virginia	1	-	-	1	-	-	-	1	1	-	-
West Virginia	-	-	-	-	-	-	-	-	-	-	1
North Carolina	2	-	-	-	-	-	-	-	1	1	2
South Carolina	-	-	-	-	-	-	-	-	-	-	1
Georgia	1	-	-	-	-	-	-	-	1	2	-
Florida	2	1	-	-	-	-	-	1	1	-	3
EAST SOUTH CENTRAL											
Paralytic	2	-	-	-	-	-	-	-	1	3	4
Total	3	-	-	-	-	-	-	-	2	4	5
Kentucky	-	-	-	-	-	-	-	-	1	1	1
Tennessee	1	-	-	-	-	-	-	-	1	1	1
Alabama	2	-	-	-	-	-	-	-	-	-	-
Mississippi	-	-	-	-	-	-	-	-	-	2	3
WEST SOUTH CENTRAL											
Paralytic	14	1	-	-	1	1	1	4	34	11	11
Total	14	1	-	-	1	1	1	4	40	14	20
Arkansas	-	-	-	-	-	-	-	-	-	-	-
Louisiana	12	-	-	-	1	1	1	3	-	3	9
Oklahoma	-	-	-	-	-	-	-	-	1	-	2
Texas	2	1	-	-	-	-	-	1	39	11	9
MOUNTAIN											
Paralytic	-	-	-	-	-	-	-	-	2	2	1
Total	-	-	-	-	-	-	-	-	2	4	3
Montana	-	-	-	-	-	-	-	-	-	-	2
Idaho	-	-	-	-	-	-	-	-	-	1	-
Wyoming	-	-	-	-	-	-	-	-	1	-	-
Colorado	-	-	-	-	-	-	-	-	-	-	-
New Mexico	-	-	-	-	-	-	-	-	-	-	-
Arizona	-	-	-	-	-	-	-	-	1	3	1
Utah	-	-	-	-	-	-	-	-	-	-	-
Nevada	-	-	-	-	-	-	-	-	-	-	-
PACIFIC											
Paralytic	8	-	1	-	-	-	-	1	9	15	23
Total	9	-	1	-	-	-	-	1	10	17	25
Washington	-	-	-	-	-	-	-	-	-	5	1
Oregon	1	-	-	-	-	-	-	-	1	2	-
California	8	-	1	-	-	-	-	1	9	9	21
Alaska	-	-	-	-	-	-	-	-	-	-	1
Hawaii	-	-	-	-	-	-	-	-	-	1	2
TERRITORY											
Puerto Rico	3	-	-	-	-	1	-	1	1	2	86

