1955 Poliomyelitis Vaccine Study AGE DISTRIBUTION ANALYSIS

A Study of the Age Distribution of Poliomyelitis in 21 States in 1955 and 1952^{1,2}

Supplementary Figures and Tables³

bу

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^{2.} Prepared as supplementary material for a presentation before the 115th Annual Meeting of the American Statistical Association, New York City, December 28, 1955.

^{3.} Assistance by Sara Wingo in computations and preparation is gratefully acknowledged.

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Table 1

Age Distribution of Poliomyelitis for 21 States* in 1955 and 1952

	1955 (Pre	elimina	ry Data	a, July	3 - 0	ctober	31)		195	2 (Cale	endar Y	ear)		
	Population	Ca	ses*		tes**		sted**	Population	Ca	ses*	Ra	tes**		sted**
Age	Estimates**	P	NP	P	NP	P	NP	Estimates**	P	NP	Р	NP	P	NP
Under 1	1,651,000	100	25	6.1	1.5	5.5	1.3	1,539,000	374	122	24.3	7.9	5.2	2.9
2	1,611,000	210	45	13.0	2.8	11.8	2.5	1,505,000	833	264	55.3	17.5	11.8	6.3
2	1,570,000 1,523,000	229	115	14.6	7.3	13.2	6.5	1,441,000	908	360	63.0	25.0	13.5	9.0
)],	1,500,000	223 191	253	14.6	12.4 16.9	13.2	11.1 15.1	1,446,000	878 824	474 535	60.7	32.8 36.9	13.0	11.8
5	1,444,000	198	254	12.7	17.6	11.5	_	1,449,000			56.9		12.1	13.3
				13.7		12.4	15.7	1,561,000	826	691	52.9	44.3	11.3	16.0
0-5	9,299,000	1151	881	12.4	9.5	11.2	8.5	8,941,000	4643	2446	51.9	27.4	11.1	9.9
6	1,445,000	174	244	12.0	16.9	10.9	15.1	1,124,000	712	542	63.3	48.2	13.5	17.4
7	1,446,000	85	204	5.9	14.1	5.3	12.6	1,117,000	627	481	56.1	43.1	12.0	15.5
- 8	1,536,000	89	236	5.8	15.4	5.2	13.7	1,108,000	565	410	51.0	37.0	10.9	13.3
9	1,108,000	110	176	9.9	15.9	9.0	14.2	1,170,000	505	405	43.2	34.6	9.2	12.5
6-9	5,535,000	458	860	8.3	15.5	7.5	13.9	4,519,000	2409	1838	53.3	40.7	11.4	14.7
10	1,094,000	98	149	9.0	13.6	8.1	12.2	1,022,000	405	358	39.6	35.0	8.5	12.6
11	1,105,000	93	166	8.4	15.0	7.6	13.4	961,000	379	291	39.4	30.3	8.4	10.9
12	1,163,000	112	169	9.6	14.5	8.7	13.0	914,000	325	249	35.5	27.2	7.6	9.8
13	1,024,000	94	147	9.2	14.4	8.3	12.8	921,000	306	215	33.2	23.4	7.1	8.4
14	950,000	71	126	7.5	13.3	6.8	11.8	897,000	338	226	37-7	25.2	8.0	9.1
10-14	5,336,000	468	757	8.8	14.2	7.9	12.7	4,715,000	1753	1339	37.2	28.4	7.9	10.2
0-5+10-14		1619	1638	11.1	11.2	10.0	10.0	13,656,000	6396	3785	46.8	27.7	10.0	10.0
0-14	20,170,000	2077	2498	10.3	12.4	1.1		18,175,000	8805	5623	48.4	30.9		
15 plus	47,889,000	1346	1484	2.8	3.1			46,091,000	4403	2496	9.6	5.4		
Unknown	M. COLL C. C. C.	5	3	0.00		3 1 4			59	39				
Total	68,059,000	3428	3985	5.0	5.9			64,266,000	13267	8158	20.6	12.7		

^{*}For states included and numbers of cases under age 15 by paralytic status from each state, see Table 2.

Population estimates are for July 1, and were derived from data and methods provided by the Bureau of the Census. Rates are per 100,000 population. Adjusted rates are computed from actual rates by multiplying the rate for each age by a factor which will adjust the rate per 100,000 for the age group 0-5 + 10-14 for that year and paralytic status to 10.0; thus, the age distribution for the two years in the age groups not receiving vaccine are superimposed so that the relative rates for the two years in the age group receiving vaccine (ages 6-9, including most 1st and 2nd grade school children) can be compared. See Figure 2 and Table 4.

. Table 2

Cases of Poliomyelitis and Estimates of Population under Age 15 for 21 States in 1955 and 1952

Population Poliomyelitis Cases** P NP U Total	Population Estimates* 256,000 143,000 525,000	P NF		Total
Morth East	256,000 143,000	68 21	· U	Total
Maine 279,000 50 37 87 New Hampshire 158,000 53 72 9 134 Connecticut 606,000 101 209 310 New York 4,109,000 55h 808 162 1524 Sub-Total 5,152,000 758 1126 171 2055 NORTH CLATRAL Tllinois 2,548,000 248 312 107 667 Minnesota 979,000 73 158 4 235 North Dakota 222,000 14 10 24 Nebraska 407,000 55 58 113 Sub-Total 1,156,000 390 538 111 1039 SOUTH Dist. of Columbia 193,000 13 22 35 Virginia 720,000 59 49 2 110 Georgia 1,302,000 65 14 109 Mississisppi 813,000 34 14 78 Arkansas 654,000 45 14 86 <td>143,000</td> <td></td> <td></td> <td></td>	143,000			
New Hampshire	143,000			
New Hampshire	143,000			89
New York 4,109,000 554 808 162 1524 Sub-Total 5,152,000 758 1126 171 2055 NORTH CENTRAL Illinois 2,548,000 248 312 107 667 Minnesota 979,000 73 158 4 235 North Dakota 222,000 14 10 24 Nebraska 407,000 55 58 113 Sub-Total 4,156,000 390 538 111 1039 SOUTH Dist. of Columbia 193,000 13 22 35 Virginia 1,165,000 72 121 1 194 West Virginia 720,000 59 49 2 110 Georgia 1,302,000 65 44 109 Mississippi 813,000 34 44 78 Arkansas 654,000 45 41 86 Sub-Total 4,847,000 288 321 3 612 WEST Wyoming 101,000 3 12 15 Colorado 475,000 32 45 6 83 New Mexico 315,000 30 14		21 20		52
Sub-Total 5,152,000 758 1126 171 2055 NORTH CENTRAL Illinois 2,548,000 248 312 107 667 Minnesota 979,000 73 158 4 235 North Dakota 222,000 14 10 24 Nebraska 407,000 55 58 113 Sub-Total 4,156,000 390 538 111 1039 SOUTH Dist. of Columbia 193,000 13 22 35 Virginia 1,165,000 72 121 1 194 194 West Virginia 720,000 59 49 2 110 109 Georgia 1,302,000 65 44 109 109 Mississippi 813,000 34 44 78 109 Arkansas 654,000 45 41 86 86 Sub-Total 4,847,000 288 321 3 612 WEST Wyoming 101,000 3 12 15 Colorado 475,000 32 45 6 83 New Mexico 315,000 30 14	747,UUU	118 134		264
Sub-Total 5,152,000 758 1126 171 2055 NORTH CENTRAL Illinois 2,548,000 248 312 107 667 Minnesota 979,000 73 158 4 235 North Dakota 222,000 14 10 24 Nebraska 407,000 55 58 113 Sub-Total 4,156,000 390 538 111 1039 SOUTH Dist. of Columbia 193,000 13 22 35 Virginia 1,165,000 72 121 1 194 194 West Virginia 720,000 59 49 2 110 210 Georgia 1,302,000 65 44 109 109 Mississisppi 813,000 34 44 78 109 Arkansas 654,000 45 41 86 86 Sub-Total 4,847,000 288 321 3 612 WEST Wyoming 101,000 3 12 15 Colorado 475,000 32 45 6 83 New Mexico 315,000 30 14	3,675,000	860 611	155	1629
Illinois	4,599,000	1067 789		2034
Illinois				
Minnesota North Dakota North Dakota Nebraska Minnesota Nebraska Minnesota North Dakota Minnesota Minnesota	2,301,000	1821 911	. 6	2738
North Dakota 222,000 14 10 24 Nebraska 407,000 55 58 113 Sub-Total 4,156,000 390 538 111 1039 SOUTH Dist. of Columbia 193,000 13 22 35 Virginia 1,165,000 72 121 1 194 West Virginia 720,000 59 49 2 110 Georgia 1,302,000 65 44 109 Mississippi 813,000 34 44 78 Arkansas 654,000 45 41 86 Sub-Total 4,847,000 288 321 3 612 WEST Wyoming 101,000 3 12 15 Colorado 475,000 32 45 6 83 New Mexico 315,000 30 14	893,000	1288 1203		2546
Nebraska 407,000 55 58 113 Sub-Total 4,156,000 390 538 111 1039 SOUTH Dist. of Columbia 193,000 13 22 35 Virginia 1,165,000 72 121 1 194 West Virginia 720,000 59 49 2 110 Georgia 1,302,000 65 44 109 Mississippi 813,000 34 44 78 Arkansas 654,000 45 41 86 Sub-Total 4,847,000 288 321 3 612 WEST Wyoming 101,000 3 12 15 Colorado 475,000 32 45 6 83 New Mexico 315,000 30 14	203,000	58 95		208
Sub-Total 4,156,000 390 538 111 1039 SOUTH Dist. of Columbia 193,000 13 22 35 Virginia 1,165,000 72 121 1 194 West Virginia 720,000 59 49 2 110 Georgia 1,302,000 65 44 109 Mississippi 813,000 34 44 78 Arkansas 654,000 45 41 86 Sub-Total 4,847,000 288 321 3 612 WEST Wyoming 101,000 3 12 15 Colorado 475,000 32 45 6 83 New Mexico 315,000 30 14 44	375,000	364 235		1320
Dist. of Columbia 193,000 13 22 35 Virginia 1,165,000 72 121 1 194 West Virginia 720,000 59 49 2 110 Georgia 1,302,000 65 44 109 Mississippi 813,000 34 44 78 Arkansas 654,000 45 41 86 Sub-Total 4,847,000 288 321 3 612 WEST Wyoming 101,000 3 12 15 Colorado 475,000 32 45 6 83 New Mexico 315,000 30 14 44	3,772,000	3531 2444		6812
Dist. of Columbia 193,000 13 22 35 Virginia 1,165,000 72 121 1 194 West Virginia 720,000 59 49 2 110 Georgia 1,302,000 65 44 109 Mississippi 813,000 34 44 78 Arkansas 654,000 45 41 86 Sub-Total 4,847,000 288 321 3 612 WEST Wyoming 101,000 3 12 15 Colorado 475,000 32 45 6 83 New Mexico 315,000 30 14 44	3,1,12,000	JJJ2		,
Virginia 1,165,000 72 121 1 19h West Virginia 720,000 59 49 2 110 Georgia 1,302,000 65 44 109 Mississippi 813,000 34 44 78 Arkansas 654,000 45 41 86 Sub-Total 4,847,000 288 321 3 612 WEST Wyoming 101,000 3 12 15 Colorado 475,000 32 45 6 83 New Mexico 315,000 30 14 44	178,000	27 70	1	97
West Virginia 720,000 59 49 2 110 Georgia 1,302,000 65 44 109 Mississippi 813,000 34 44 78 Arkansas 654,000 45 41 86 Sub-Total 4,847,000 288 321 3 612 WEST Wyoming 101,000 3 12 15 Colorado 475,000 32 45 6 83 New Mexico 315,000 30 14 44	1,077,000	267 200		492
Georgia 1,302,000 65 44 109 Mississippi 813,000 34 44 78 Arkansas 654,000 45 41 86 Sub-Total 4,847,000 288 321 3 612 WEST Wyoming 101,000 3 12 15 Colorado 475,000 32 45 6 83 New Mexico 315,000 30 14 44	680,000	369 184		621
Mississippi 813,000 34 44 78 Arkansas 654,000 45 41 86 Sub-Total 4,847,000 288 321 3 612 WEST Wyoming 101,000 3 12 15 Colorado 475,000 32 45 6 83 New Mexico 315,000 30 14 44	1,221,000	306 22		405
Arkansas 654,000 45 41 86 Sub-Total 4,847,000 288 321 3 612 WEST Wyoming 101,000 3 12 15 Colorado 475,000 32 45 6 83 New Mexico 315,000 30 14 44	802,000	310 137		607
Sub-Total 4,847,000 288 321 3 612 WEST Wyoming 101,000 3 12 15 Colorado 475,000 32 45 6 83 New Mexico 315,000 30 14 44	646,000	180 106		307
WEST Wyoming 101,000 3 12 15 Colorado 475,000 32 45 6 83 New Mexico 315,000 30 14 44	4,604,000	1459 719	-	2529
Wyoming 101,000 3 12 15 Colorado 475,000 32 45 6 83 New Mexico 315,000 30 14 44				
Colorado 475,000 32 45 6 83 New Mexico 315,000 30 14 44		24 10		
New Mexico 315,000 30 14 44	92,000	35 42		95
	398,000	152 171		460
	282,000	181 47		375
Utah 289,000 5 2 8 15	258,000	111 149		293
Washington 754,000 122 51 173	688,000	397 173		731
Oregon 495,000 107 49 156	451,000	205 87		302
California 3,586,000 342 340 682	3,031,000	1667 1002		2669
Sub-Total 6,015,000 641 513 14 1168	5,200,000	2748 1671	506	4925
TOTAL 20,170,000 2077 2498 299 4874 **See second footnote to Table 1. **P - paralytic	18,175,000	8805 5623		16300

Table 3

Adjusted Age-Specific Attack Rates* for Paralytic Poliomyelitis by Regions in 1955 and 1952

(1955 Data Preliminary, July 3 - October 31)

	(4 sta	H EAST		CENTRAL ates**)		UTH tates***)		EST tates**)	Orego: Washi	n and	Ga., 1	Miss., Va.**
Age	1955	1952	1955	1952	1955	1952	1955	1952	1955	1952	1955	1952
Under 1	4.1	3.1	4.7	4.8	10.2	7.1	5.5	5.3	3.5	2.9	12.4	8.3
1	10.6	8.0	8.8	11.6	13.6	15.2	14.0	11.6	14.9	8.4	13.5	16.3
2	15.0	11.6	10.5	12.8	11.6	17.4	13.1	12.8	10.5	10.5	13.2	17.2
3	13.4	14.0	13.1	11.6	11.6	16.3	13.5	12.5	11.5	11.7	9.6	17.6
4 5	11.5	13.3	9.0	11.8	14.3	11.4	11.7	12.6	10.5	12.3	16.7	12.2
5	13.2	11.5	14.5	12.1	11.4	9.4	10.5	11.4	8.9	12.9	9.1	8.4
0-5	11.2	10.2	9.9	10.7	12.1	12.7	11.3	11.0	9.9	9.7	12.5	13.2
6	10.0	15.7	9.0	12.4	10.1	11.4	13.3	15.2	14.8	16.0	10.0	10.8
7	4.5	12.4	7.6	12.3	6.1	9.7	4.3	12.7	5.2	14.0	5.1	10.0
8	5.1	12.8	5.0	11.7	6.2	8.6	5.1	10.4	4.9	11.3	5.2	8.8
9	10.2	10.5	9.4	10.4	6.8	6.3	8.4	8.7	6.8	11.2	7.1	5.9
6-9	7.2	12.8	7.6	11.7	7.3	8.9	7.8	11.8	8.0	13.1	6.8	8.8
10	8.3	10.5	8.0	10.3	7.3	5.8	8.6	7.0	9.8	7.3	6.9	5.4
11	7.0	10.5	9.7	8.6	6.3	4.7	7.7	9.5	9.8	13.2	6.1	3.8
12	9.4	8.7	11.6	8.5	5.8	4.0	7.7	8.3	10.4	10.7	4.6	2.5
13	8.5	7.8	10.2	7.8	6.6	5.9	7.7	6.6	12,6	9.5	6.4	5.1
14	5.7	10.2	11.0	8.1	7.1	6.0	5.3	8.5	8.3	12.2	6.8	5.7
10-14	7.8	9.6	10.1	8.7	6.6	5.3	7.5	8.0	10.2	10.5	6.1	4:5
0-54-10-14	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0

^{*}For explanation of adjusted rates, see second footnote to Table 1. See also Figures 3 and 4 and Table 4.

**For states included and numbers of cases under age 15 from each state, see Table 2.

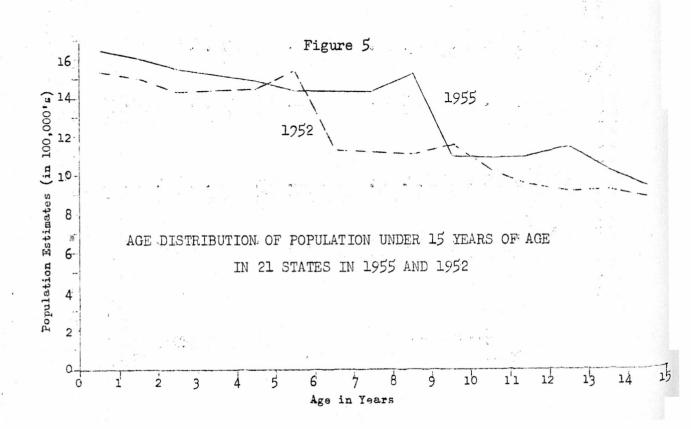
Table 4

Poliomyelitis Vaccinations in School Clinics in 21 States in the Spring and Summer of 1955

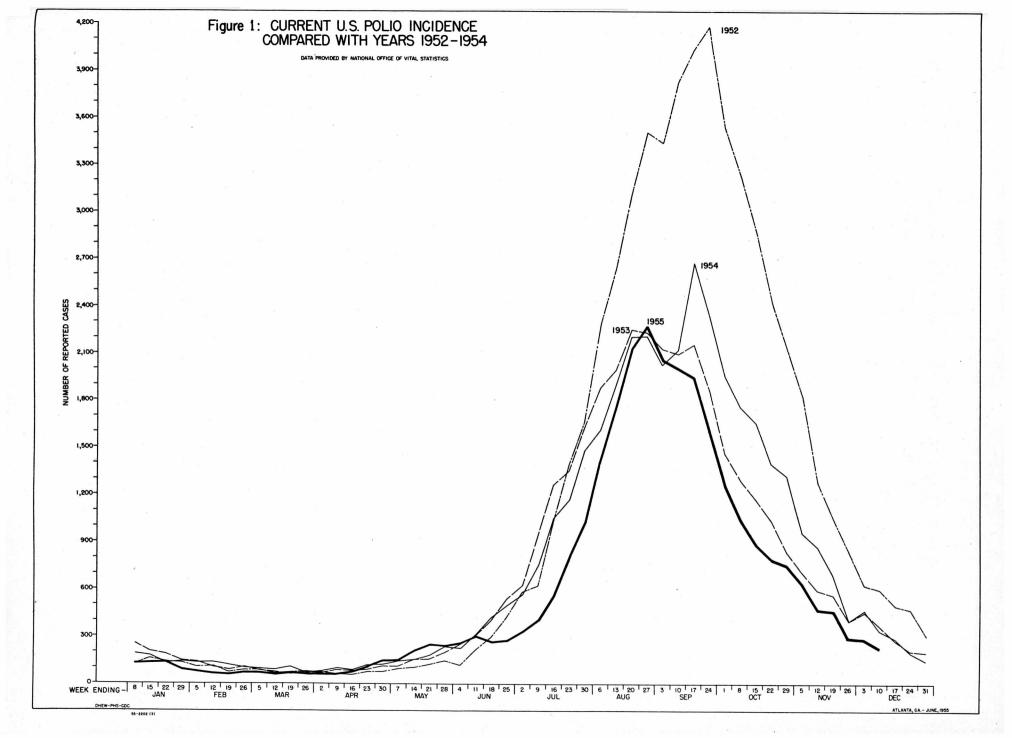
Regions*	Number of 6-9 Year Olds*	Number of Vaccinees**	% of 6-9 Year Olds Vaccinated**	% of Vaccinees with Two Inoculations***
North East	1,429,000	672,279	47	26
North Central	1,150,000	548,614	48	4
South	1,321,000	677,063	51	39:
West	1,634,000	688,538	42	45
Total*	5,534,000	2,586,494	47	30
Ore.,Wash.	343,000	106,764	31	75
Ga.,Miss.,W.Va.	770,000	392,074	51	63

^{*}For states included in each region, see Table 2. Population estimates of 6-9 year olds are for July 1, 1955, and were derived from data and methods provided by the Bureau of the Census.

^{***}Based on preliminary and incomplete data from the NFIP, September 14, 1955.



^{**}Program for first inoculations in chool clinics (with vaccine provided by the National Foundation for Infantile Paralysis) completed by early July. Data on numbers of vaccinees provided by the NFIP. Vaccinees comprise mostly 1st and 2nd grade school children but also some 3rd and 4th graders who received placebo in the 1954 Field Trials. Percent of 6-9 year olds vaccinated assumes all vaccinees are 6-9 years old, which is an approximation. Omitted from the vaccinees are just over 200,000 children vaccinated in 1954 in these 21 states and a small number of children vaccinated with commercially distributed vaccine in 1955.



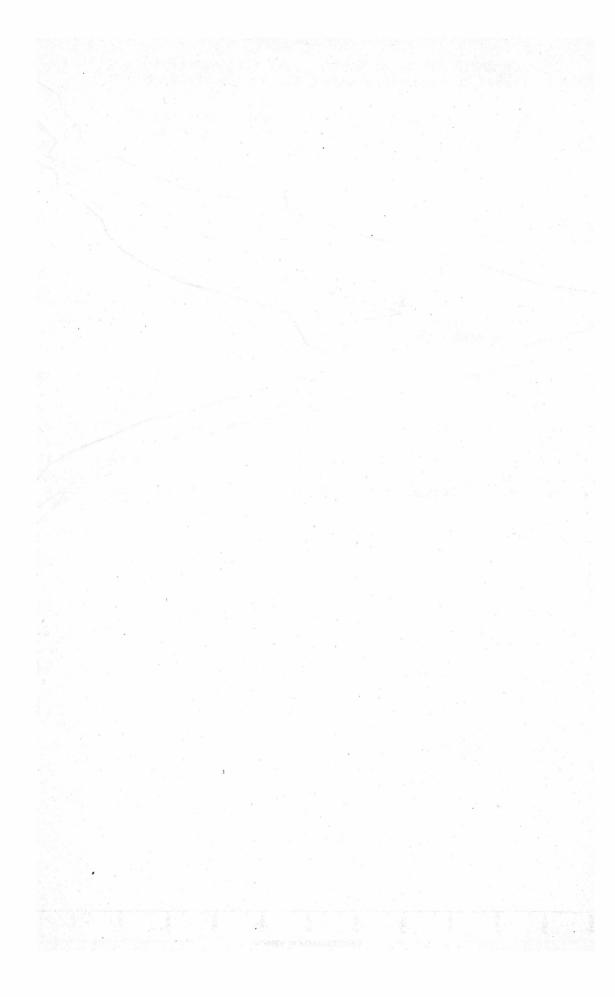
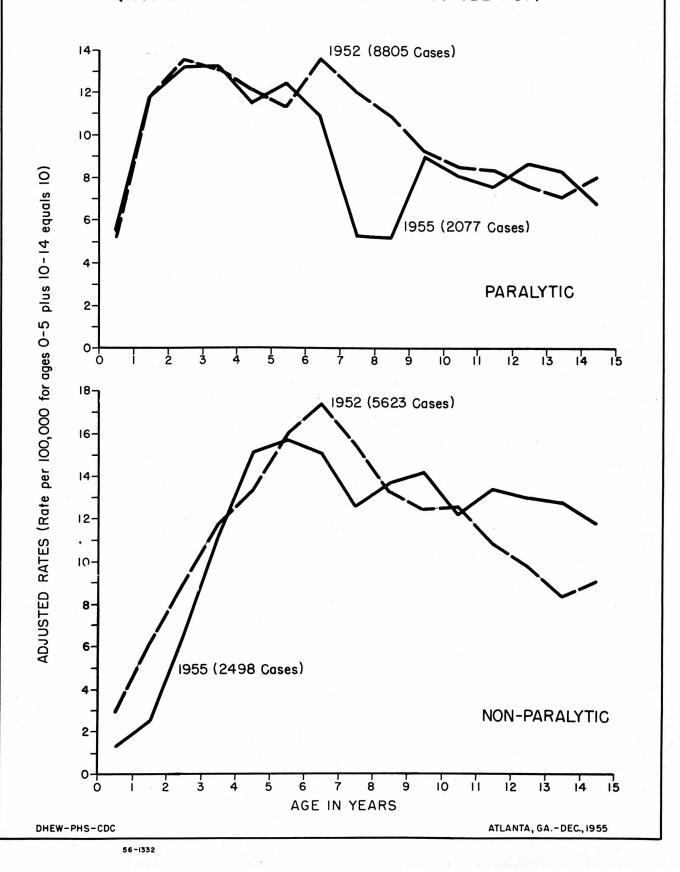


Figure 2: POLIOMYELITIS AGE-SPECIFIC ATTACK RATES
FOR 21 STATES IN 1955 and 1952
(1955 DATA PRELIMINARY - JULY 3 to OCTOBER 31)



OBY REAL

Figure 3: AGE DISTRIBUTION OF PARALYTIC POLIOMYELITIS IN 1955 and 1952 BY REGION (1955 DATA PRELIMINARY - JULY 3 to OCTOBER 31) 207 NORTH CENTRAL NORTH EAST 18-(4 States) (4 States) 1952 (1067 Cases) 1955 (758 Cases) 1955 (390 Cases) 14-1952 (3531 Cases) 12-ADJUSTED RATES (Rate per 100,000 for ages 0-5 plus 10-14 equals 10) WEST SOUTH 1952 (1459 Cases) (7 States) (6 States) 16-1952 (2748 Cases) 1955 (641 Cases) 1955 (288 Cases) 12-10-2-AGE IN YEARS AGE IN YEARS DHEW-PHS-CDC ATLANTA, GA. - DEC., 1955 56 -1332

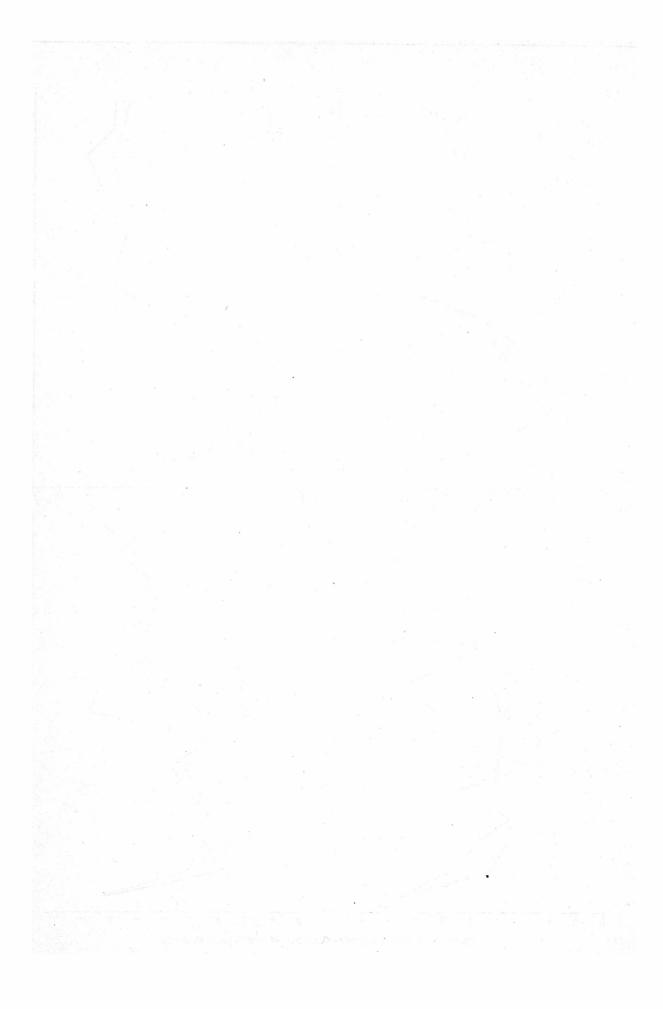


Figure 4: AGE DISTRIBUTION OF PARALYTIC POLIOMYELITIS IN FIVE STATES WHERE MANY VACCINEES RECEIVED TWO INOCULATIONS (1955 DATA PRELIMINARY-JULY 3 to OCTOBER 31) 16-1952 (602 Cases) 14. 12-10-ADJUSTED RATES (Rate per 100,000 for ages 0-5 plus 10-14 equals 10) 8 1955 (229 Cases) 6 2-OREGON and WASHINGTON 0+0 io 12 13 18-16 14-12 1952 (985 Cases) 10-8 6 1955 (158 Cases) 2-GEORGIA, MISSISSIPPI, and WEST VIRGINIA 0+0 2 io ń 13 12

AGE IN YEARS

ATLANTA, GA.- DEC., 1955

DHEW-PHS-CDC

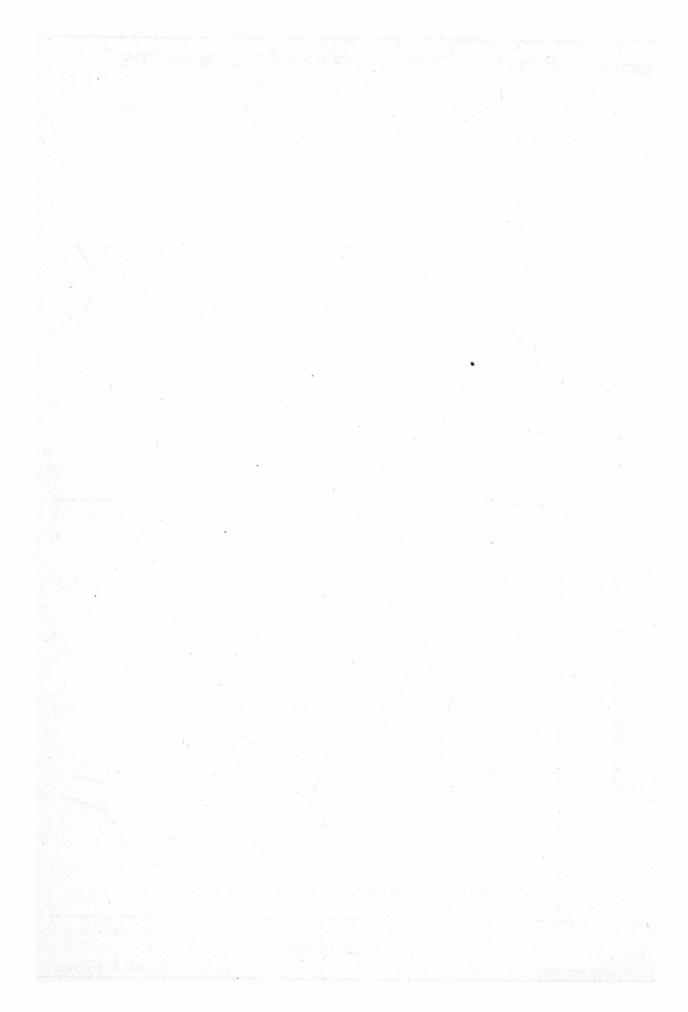


Table 1

Comparison of Reported* and Expected** Cases of Poliomyelitis Among Children Who Received First Inoculations in School Clinics between April 15 and May 7, 1955

Vaccine 1	The state of the s				Onse	ts in	Week	Endi	ng:			-
Vaccinate		Cases	Apr. 23	Apr 30	May.	May 14	May 21	May 28	June 4	June 11	June 18	June 25
CUTTER 303,000	Reported	P NP Total	4 2 6	16 2 18	6 7 13	1 3 4	1 -	1 1	ī	1 1 2	2 2 1	2 2
	Expected	Total	1	1	3	3	3	2	3	1	2	3.
LILLY 2,514,000	Reported	P NP Total	2 2 կ	կ 2 6	3 5 8	3 7 10	և 9 13	3 13 16	2 4 6	1 6 7	2 11 13	3 8 11
	Expected	Total	1 6	3	6	9	7	9	10	12	10	. 11
PARKE-DAV 860,000	Reported VIS	P NP Total	- - 0	-	-	1	1 2	1 5 6	1 3 4	5	1 2 3	- 0
	Expected	Total	1	1	2	2	2	. 1	2	2	3	3
PITMAN-MC	Reported OORE	P NP Total	- - 0	- 0	ī 1	1 2 3	1 2	- - 0	3	- 0		1 - 1
4. 1 8	Expected	Total	0	0	1	1	1	1	1	1	1	1014
WYETH 775,000	Reported	P NP Total	- - 0	1	3 3	1 2 3	3 2 5	1 - 1	2 - 2	1 1		3
	Expected	Total	0	0	1	, 1	2	2	2	1	2	2

^{*}Reported cases include only cases accepted by PSU through November 9 and who received first inoculations in school clinics (vaccine provided by the NFIP) April 15 through May 7, 1955.

^{**}Expected cases among this group of children estimated from 1955 incidence of poliomyelitis (paralytic and non-paralytic) reported to the National Office of Vital Statistics by the states listed below. See note on back.

^{****}Data on numbers of first inoculations are from the National Foundation for Infantile Paralysis. CUTTER vaccine was used during this period in Idaho, Nevada, Arizona, New Mexico, and southern California; LILLY vaccine was used in Texas, Oklahoma, Louisiana, Arkansas, Mississippi, Alabama, Tennessee, Florida, Georgia, South Carolina, North Carolina, Virginia, West Virginia, Indiana, and parts of Ohio, California, and Colorado; PARKE-DAVIS vaccine in Michigan, Illinois, Iowa, Wyoming, Utah, and part of Colorado; PITMAN-MOORE vaccine in Kentucky, Missouri, Kansas, and Nebraska; WYETH vaccine in Pennsylvania, Delaware, Maryland, District of Columbia, and part of Ohio,

Table 1 (Continued)

Vaccine !			Ac Sec			Onset	s in W	eek Er	ding:			
and Number		Cases	July 2	July 9	July 16	July 23	July 30	Aug.	Aug.	Aug. 20	Aug. 27	Sept.
CUTTER	Reported	NP	1	≟ 3	2 -	3,5	- 1 1	1 3	1	1 2	1	- 1 1
303,000		Total	1	3	2	0	1	4	1	2	1	1
	Expected	Total	3	3	4	3	3	<u>L</u> ı.	14	5	1,	4
LILLY 2,514,000	R eport ed	P NP Total	3 4 7	և 15 19	2 16 18	2 15 17	5 9 14	1 17 18	3 16 19	lı 11 15	3 13 16	1 7 11
	Expected	Total	14	17	20	21	23	26	32	30	22	30
PARKE-DAV	Reported /IS	P NP Total	4 1 5	- 3 3	- 9 9	2 13 15	2 8 10	1 8 9	3 Ա 7	1 8 9	1 3 4	1 7 8
	Expected	Total	3	6	7	11	15	19	26	22	24	18
PITMAN-MO	Reported OORE	P NP Total	- 0	1	2 2	3 - 3	3 3 6	3	2 2	1 1 2	1 1	1 2 3
	Expected	Total	1	3	3	Ţî.	7	6	7	6	5	5
wyетн 775 , 000	Reported	P NP Total	3	3 2 5	2 2	- 1 1	1 1	2 2	- - 0	3	1 8 9	- 14 14
	Expected	Total	2	2	14	5	6	10	11	15	10	13

Notes to Tables 1 and 2

The "expected" numbers represent rough estimates of the numbers of cases that would have occurred in the respective groups of first and second grade children if they had not been vaccinated. The estimates are made by assuming that about 10% of reported incidence would normally occur in first and second grade children (on the basis of past experience), and then adjusting for the percent of first and second grade children actually inoculated in each state. Cases reported to NOVS are predated one week to adjust these estimates from date of report to date of onset.

It must be emphasized that these data are, at best, approximations. Among the possible sources of error are: (1) "expected" incidence estimates are based on preliminary reports to NOVS which are subject to change; (2) estimates of the percent of eligibles inoculated may be in error; (3) the reporting of cases in vaccinated children is not complete. The size of the error involved is not known. However, the inaccuracies in the data should not grossly effect the relative comparison from week to week.

Table 2

Comparison of Reported* and Expected** Cases of Poliomyelitis among Children Who Received First Inoculations in School Clinics between May 8 and July 7, 1955

Vaccine Mfr.		Thru				Onsets	in W	eek E	nding		•
and Number Vaccinated***	* Cases	July 2	July 9	July 16	July 23	July 30	Aug.	Aug. 13	Aug. 20	Aug. 27	Sept.
Repo	orted P NP Total	1 1 2	1	- , , , , , , , , , , , , , , , , , , ,	1	- - 0	1	- 0	1	1 1	2 2
Expe	ected Total	**	1	1	1	2	3	L 1.	4	4	4
Repo PARKE-DAVIS 1,382,000	orted P NP Total	17 19 36	4 8 12	15 19	5 2 5 30	14 18	9 29 38	8 23 31	13 42 55	5 16 21	6 28 34
Expe	ected Total	**	11	22	32	45	62	73	81	77	71

^{*}Reported cases include only cases accepted by PSU through November 9 and who received first incoulations in school clinics (vaccine provided by the NFIP) May 8 through July 7, 1955, in the states listed below.

Cases with Onsets July 3 to September 3

Cases		PITMAN-MOORE	WYETH
Reported	P		•
	NP Total	0	i
Expected	Total	1	2

^{**}Expected cases among this group of children estimated from 1955 incidence of poliomyelitis (paralytic and non-paralytic) reported to the National Office of Vital Statistics by the states listed below. No "expected" figures available for the period when vaccinations were in progress. See note on back of Table 1.

Data on numbers of first incoulations are from the National Foundation for Infantile Paralysis. PARKE-DAVIS vaccine was used during this period for first inoculations primarily in Arizona, California, Connecticut, Massachusetts, Minnesota, New Hampshire, New York, North Dakota, Oregon, Rhode Island, Utah, Vermont, Washington, and Wisconsin: and LILLY vaccine primarily in California, Georgia, Indiana, Louisiana, Maine, Montana, New Jersey, North Dakota, Rhode Island, and South Dakota. About 12,000 first incoulations with PITMAN-MOORE vaccine were given during this period in Kansas, and from 20,000 to 30,000 first inoculations with WYETH vaccine were given during this period in Pennsylvania. Small amounts of vaccine from various manufacturers were used in other states and are not included in this table. Reported and expected comparisons for Pitman-Moore and Wyeth vaccinations for this period are given below. No Cutter vaccine was used during this period.



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