

Morbidity and Mortality

Weekly Report

PUBLIC HEALTH SERVICE

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

Prepared by the COMMUNICABLE DISEASE CENTER Melrose 4-5131

For release June 30, 1961

Atlanta 22, Georgia

Vol. 10, No. 25

Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended June 24, 1961

Poliomyelitis - Seventeen cases, eight paralytic were reported this week by thirteen different States. The total number of cases, although at a record low level for this season of the year, represents an increase over that of the past three weeks.

An additional two non-paralytic cases were reported this week from the Atlanta area bringing the total for the year to nine of which four are paralytic. From prompt laboratory studies, this was identified as a presumptive Type III outbreak and over 250,000 children under the age of 15 were fed Type III oral vaccine during the past week. A concurrent Salk vaccine campaign has also been in progress.

Three paralytic cases, all with onsets in mid-June, have now been reported from South-central Louisiana. Seven cases in all have occurred in Louisiana this year of which six are paralytic. All are among children under the age of five years.

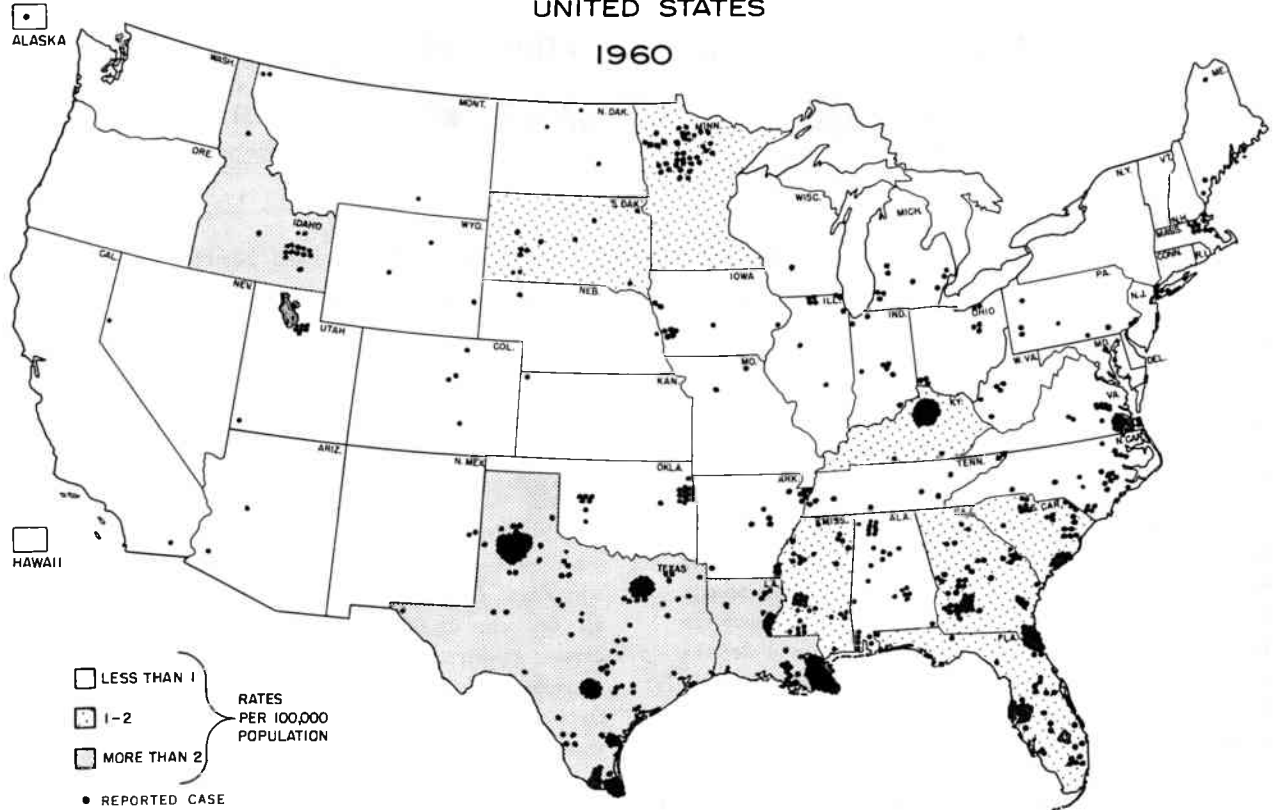
Hepatitis - The current weekly total of 1,233 cases represents a decrease of 114 cases from that reported last week. Decreased numbers of cases are recorded for all sections of the country except for the east-south-central district of Kentucky, Alabama, Mississippi, and Tennessee which show an increase from 166 to 215 cases. Over three-fourths of these cases are among persons under 20 years of age.

Table 1. Cases of Specified Notifiable Diseases: United States

(Cumulative totals include revised and delayed reports through previous week)

Disease (Seventh Revision of International Lists, 1955)	25th Week			Cumulative						Approximate seasonal low point
	Ended June 24, 1961	Ended June 17, 1960	Median 1956-60	First 25 weeks			Since seasonal low week			
				1961	1960	Median 1956-60	1960-61	1959-60	Median 1955-56 to 1959-60	
* Weekly incidence low or sporadic										
- Data not available										
- Quantity zero										
Anthrax-----062	-	-	*	3	10	*	*	*	*	*
Botulism-----049.1	-	1	*	4	4	*	*	*	*	*
Brucellosis (undulant fever)-----044	11	17	23	267	412	407	*	*	*	*
Diphtheria-----055	5	4	8	303	325	388	883	860	1,085	July 1
Encephalitis, infectious-----082	33	33	33	718	760	720	718	760	720	Jan. 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	1,233	661	285	42,048	19,122	11,290	57,255	26,723	16,700	Sept. 1
Malaria-----110-117	1	-	*	23	25	*	*	*	*	*
Measles-----085	10,966	11,023	11,001	351,437	362,813	409,065	387,647	395,698	445,734	Sept. 1
Meningitis, aseptic-----340 pt.	24	39	---	667	710	---	667	710	---	Jan. 1
Meningococcal infections-----057	30	41	40	1,167	1,218	1,334	1,823	1,948	2,122	Sept. 1
Poliomyelitis-----080	17	41	118	219	428	850	116	212	557	Apr. 1
Paralytic-----080.0,080.1	8	28	66	139	312	581	79	158	373	Apr. 1
Nonparalytic-----080.2	8	12	32	47	78	175	22	42	127	Apr. 1
Unspecified-----080.3	1	1	20	33	38	94	15	12	57	Apr. 1
Psittacosis-----096.2	1	8	*	35	51	*	*	*	*	*
Rabies in man-----094	-	-	*	2	-	*	*	*	*	*
Streptococcal sore throat, including scarlet fever-----050,051	4,059	4,104	---	204,111	191,337	---	301,763	---	---	Aug. 1
Typhoid fever-----040	25	37	30	278	298	370	164	168	190	Apr. 1
Typhus fever, endemic-----101	1	4	*	15	34	*	*	*	*	*
Rabies in animals-----	71	64	76	1,755	2,002	2,390	2,331	2,976	3,172	Oct. 1

DIPHTHERIA CASES AND RATES BY STATE
UNITED STATES



Typhoid Fever — Six cases are reported by New York State this week. These cases, plus another not yet reported officially, occurred among a group of school children age 7 to 13 years in Westchester County. The dates of onset for these cases range between June 4 and June 19. All appear to relate to a common exposure at a school cafeteria.

EPIDEMIOLOGICAL REPORTS

Diphtheria in the United States — 1960

During 1960, information concerning 873 clinical cases and 247 carriers of diphtheria were submitted to the Surveillance Section of the Communicable Disease Center. As depicted by the map, the majority of the cases (81%) were reported from the fifteen States in the South Atlantic and East and West South Central Districts.

Two major outbreaks, the largest since 1956, occurred in 1960 in Scott County, Kentucky (MMWR Vol. 10, No. 2) where 51 cases with one death were recorded, and in Plainview, Texas (MMWR Vol. 10, No. 1 & Vol. 9, No. 51) which experienced 56 cases and one death. Cases in both outbreaks occurred predominantly among unimmunized children.

As in previous years, diphtheria cases in the United States concentrated among children: 78% of the cases were among those under 15, the greatest number occurring among those 3 to 6 years of age.

Although there were a somewhat greater number of cases among white persons (495) than among non-white (366), attack rates among non-white persons were approximately six times greater, and cases in this latter group tended to concentrate more among younger children.

The immunization status of the cases bore a definite relationship both to the occurrence of disease and its severity. Of the 873 cases reported, both the immunization status and severity of disease were recorded for 625.

Illness Severity	Immunization Status*				Total
	Fully	Lapsed	Inadequate	None	
Mild	42	35	33	244	354
Moderate	10	13	16	102	141
Severe	9	4	2	57	72
Death	0	1	4	53	58
Total	61	53	55	456	625

*144 cases with severity unspecified; 54 cases immunization status unspecified; 50 cases both unspecified.

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED JUNE 25, 1960 AND JUNE 24, 1961

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Polioomyelitis 080										Menin- gitis, aseptic 340 pt.	Brucel- losis (undu- lant fever) 044
	Total (Includes cases not specified by type)				Paralytic 080.0,080.1				Nonparalytic			
	25th Week		Cumulative, first 25 weeks		25th Week		Cumulative, first 25 weeks		080.2			
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960		
UNITED STATES-----	17	41	219	428	8	28	139	312	8	12	24	11
NEW ENGLAND-----	-	3	3	23	-	3	3	23	-	-	-	-
Maine-----	-	1	-	6	-	1	-	6	-	-	-	-
New Hampshire-----	-	-	-	-	-	-	-	-	-	-	-	-
Vermont-----	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts-----	-	-	2	6	-	-	2	6	-	-	-	-
Rhode Island-----	-	2	-	11	-	2	-	11	-	-	-	-
Connecticut-----	-	-	1	-	-	-	1	-	-	-	-	-
MIDDLE ATLANTIC-----	-	3	17	44	-	2	14	31	-	1	1	1
New York-----	-	1	7	34	-	1	6	23	-	-	-	1
New Jersey-----	-	-	5	6	-	-	4	6	-	-	-	-
Pennsylvania-----	-	2	5	4	-	1	4	2	-	1	1	-
EAST NORTH CENTRAL-----	1	4	25	49	-	1	16	19	-	-	3	-
Ohio-----	1	1	10	21	-	1	5	7	-	-	-	-
Indiana-----	-	1	3	1	-	-	2	-	-	1	-	-
Illinois-----	-	1	7	10	-	-	6	7	-	1	2	-
Michigan-----	-	1	2	14	-	-	2	4	-	-	1	-
Wisconsin-----	-	-	3	3	-	-	1	1	-	-	-	-
WEST NORTH CENTRAL-----	1	5	11	26	-	1	5	13	1	4	1	6
Minnesota-----	-	2	3	12	-	1	3	9	-	1	1	1
Iowa-----	-	3	2	7	-	-	-	1	-	3	-	3
Missouri-----	1	-	4	4	-	-	-	3	1	-	-	-
North Dakota-----	-	-	-	-	-	-	-	-	-	-	-	-
South Dakota-----	-	-	-	1	-	-	-	-	-	-	-	-
Nebraska-----	-	-	2	-	-	-	2	-	-	-	-	1
Kansas-----	-	-	-	2	-	-	-	-	-	-	-	1
SOUTH ATLANTIC-----	7	5	27	60	4	5	20	49	3	-	1	1
Delaware-----	-	-	2	-	-	-	1	-	-	-	-	-
Maryland-----	-	-	-	1	-	-	-	-	-	-	-	-
District of Columbia-----	-	-	-	-	-	-	-	-	-	-	-	-
Virginia-----	1	-	1	-	1	-	1	-	-	-	1	1
West Virginia-----	-	-	3	4	-	-	2	4	-	-	-	-
North Carolina-----	-	1	4	17	-	1	3	17	-	-	-	-
South Carolina-----	2	1	4	7	2	1	4	5	-	-	-	-
Georgia-----	3	1	9	4	1	1	7	3	2	-	-	-
Florida-----	1	2	4	27	-	2	2	20	1	-	-	-
EAST SOUTH CENTRAL-----	2	-	22	14	2	-	8	11	-	-	2	-
Kentucky-----	-	-	15	8	-	-	2	5	-	-	-	-
Tennessee-----	-	-	2	1	-	-	1	1	-	-	-	-
Alabama-----	1	-	1	1	1	-	1	1	-	-	-	-
Mississippi-----	1	-	4	4	1	-	4	4	-	-	2	-
WEST SOUTH CENTRAL-----	3	4	37	51	1	1	20	33	2	3	3	2
Arkansas-----	1	-	2	-	-	-	-	-	1	-	-	2
Louisiana-----	2	-	9	15	1	-	6	11	1	-	-	-
Oklahoma-----	-	-	-	3	-	-	-	3	-	-	-	-
Texas-----	-	4	26	33	-	1	14	19	-	3	3	-
MOUNTAIN-----	-	1	20	22	-	1	12	12	-	-	-	1
Montana-----	-	1	1	10	-	1	1	6	-	-	-	-
Idaho-----	-	-	4	4	-	-	1	1	-	-	-	-
Wyoming-----	-	-	-	1	-	-	-	-	-	-	-	-
Colorado-----	-	-	3	1	-	-	3	1	-	-	-	-
New Mexico-----	-	-	1	2	-	-	-	-	-	-	-	-
Arizona-----	-	-	5	3	-	-	3	3	-	-	-	-
Utah-----	-	-	6	1	-	-	4	1	-	-	-	1
Nevada-----	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC-----	3	16	57	139	1	14	41	121	2	2	13	-
Washington-----	1	-	9	7	1	-	5	7	-	-	4	-
Oregon-----	1	-	5	16	-	-	1	11	1	-	-	-
California-----	1	16	41	110	-	14	33	97	1	2	9	-
Alaska-----	-	-	-	2	-	-	-	2	-	-	-	-
Hawaii-----	-	-	2	4	-	-	2	4	-	-	-	-
Puerto Rico-----	-	30	4	244	-	27	4	237	-	2	2	-

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED JUNE 25, 1960 AND JUNE 24, 1961 - Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Diphtheria 055				Encephalitis, infectious		Hepatitis, infectious, and serum 092,N998.5 pt.				Measles	
	25th Week		Cumulative, first 25 weeks		082		25th Week		Cumulative, first 25 weeks		085	
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960
UNITED STATES-----	5	4	303	325	33	33	1,233	661	42,048	19,122	10,966	11,023
NEW ENGLAND-----	-	1	4	9	1	-	30	17	1,162	575	1,422	1,332
Maine-----	-	-	-	2	-	-	-	4	69	40	43	96
New Hampshire-----	-	-	-	-	-	-	1	-	71	20	6	5
Vermont-----	-	-	-	-	-	-	5	-	130	9	20	164
Massachusetts-----	-	1	4	6	1	-	19	6	413	286	853	729
Rhode Island-----	-	-	-	1	-	-	2	4	160	110	164	41
Connecticut-----	-	-	-	-	-	-	3	3	319	110	336	297
MIDDLE ATLANTIC-----	1	-	16	9	10	3	176	99	6,048	2,011	2,781	1,624
New York-----	-	-	7	1	5	-	80	41	2,488	1,001	1,179	1,160
New Jersey-----	-	-	-	1	-	3	25	1	1,482	158	792	329
Pennsylvania-----	1	-	9	7	5	-	71	57	2,078	852	810	135
EAST NORTH CENTRAL-----	-	-	13	25	1	5	247	118	8,529	3,651	2,829	4,006
Ohio-----	-	-	1	14	-	1	50	36	2,971	1,196	371	660
Indiana-----	-	-	1	4	-	-	33	5	1,403	450	157	274
Illinois-----	-	-	10	3	1	2	52	23	1,436	767	484	334
Michigan-----	-	-	1	3	-	2	110	50	2,511	1,078	948	1,219
Wisconsin-----	-	-	-	1	-	-	2	4	208	160	869	1,519
WEST NORTH CENTRAL-----	-	-	24	18	-	1	135	36	4,301	1,484	193	161
Minnesota-----	-	-	13	5	-	-	34	3	974	149	8	16
Iowa-----	-	-	1	2	-	-	35	8	1,229	255	93	83
Missouri-----	-	-	-	2	-	-	24	19	957	552	25	26
North Dakota-----	-	-	2	1	-	-	4	2	91	115	57	35
South Dakota-----	-	-	6	5	-	-	-	2	123	116	-	-
Nebraska-----	-	-	2	1	-	-	25	-	436	143	10	1
Kansas-----	-	-	-	2	-	1	13	2	491	154	NN	NN
SOUTH ATLANTIC-----	1	2	61	75	4	3	133	81	5,124	2,267	618	675
Delaware-----	-	-	-	-	-	-	4	8	130	133	25	10
Maryland-----	-	-	1	1	4	3	32	5	464	226	226	71
District of Columbia-----	-	-	2	-	-	-	4	1	59	16	5	12
Virginia-----	-	1	12	9	-	-	23	7	742	454	-	207
West Virginia-----	-	-	1	2	-	-	13	16	1,043	438	194	156
North Carolina-----	-	-	7	2	-	-	24	11	1,108	177	76	24
South Carolina-----	-	1	2	19	-	-	6	1	289	42	21	23
Georgia-----	1	-	13	17	-	-	5	5	512	162	8	16
Florida-----	-	-	23	25	-	-	22	27	777	619	63	156
EAST SOUTH CENTRAL-----	-	1	12	39	1	6	215	83	6,590	2,908	756	644
Kentucky-----	-	-	3	1	-	-	79	14	1,964	1,149	110	136
Tennessee-----	-	1	2	6	-	1	57	29	2,666	944	469	447
Alabama-----	-	-	5	20	-	2	57	27	1,105	605	140	32
Mississippi-----	-	-	2	12	1	3	22	13	855	210	37	29
WEST SOUTH CENTRAL-----	2	-	162	118	2	1	90	44	3,039	1,560	460	720
Arkansas-----	-	-	3	2	1	-	9	-	586	69	10	3
Louisiana-----	2	-	17	26	-	-	11	-	300	64	-	-
Oklahoma-----	-	-	3	6	-	-	9	1	227	216	69	33
Texas-----	-	-	139	84	1	1	61	43	1,926	1,211	381	684
MOUNTAIN-----	-	-	7	31	-	-	76	43	2,672	1,587	395	605
Montana-----	-	-	2	2	-	-	8	1	255	61	47	78
Idaho-----	-	-	-	11	-	-	16	8	172	204	74	43
Wyoming-----	-	-	-	5	-	-	6	1	102	13	1	-
Colorado-----	-	-	4	3	-	-	18	14	923	542	106	326
New Mexico-----	-	-	-	4	-	-	5	1	302	229	NN	-
Arizona-----	-	-	-	3	-	-	16	17	387	373	146	99
Utah-----	-	-	-	3	-	-	7	1	451	145	20	57
Nevada-----	-	-	1	-	-	-	-	-	80	20	1	2
PACIFIC-----	1	-	4	1	14	14	131	140	4,583	3,079	1,512	1,256
Washington-----	-	-	-	-	-	1	12	13	579	369	104	64
Oregon-----	-	-	-	-	-	-	21	19	779	538	210	394
California-----	1	-	1	-	14	11	95	105	3,047	1,986	1,186	729
Alaska-----	-	-	3	1	-	2	2	1	142	132	6	62
Hawaii-----	-	-	-	-	-	-	1	2	36	54	6	7
Puerto Rico-----	-	1	37	90	-	-	34	7	492	419	44	-

NN=NOT NOTIFIABLE

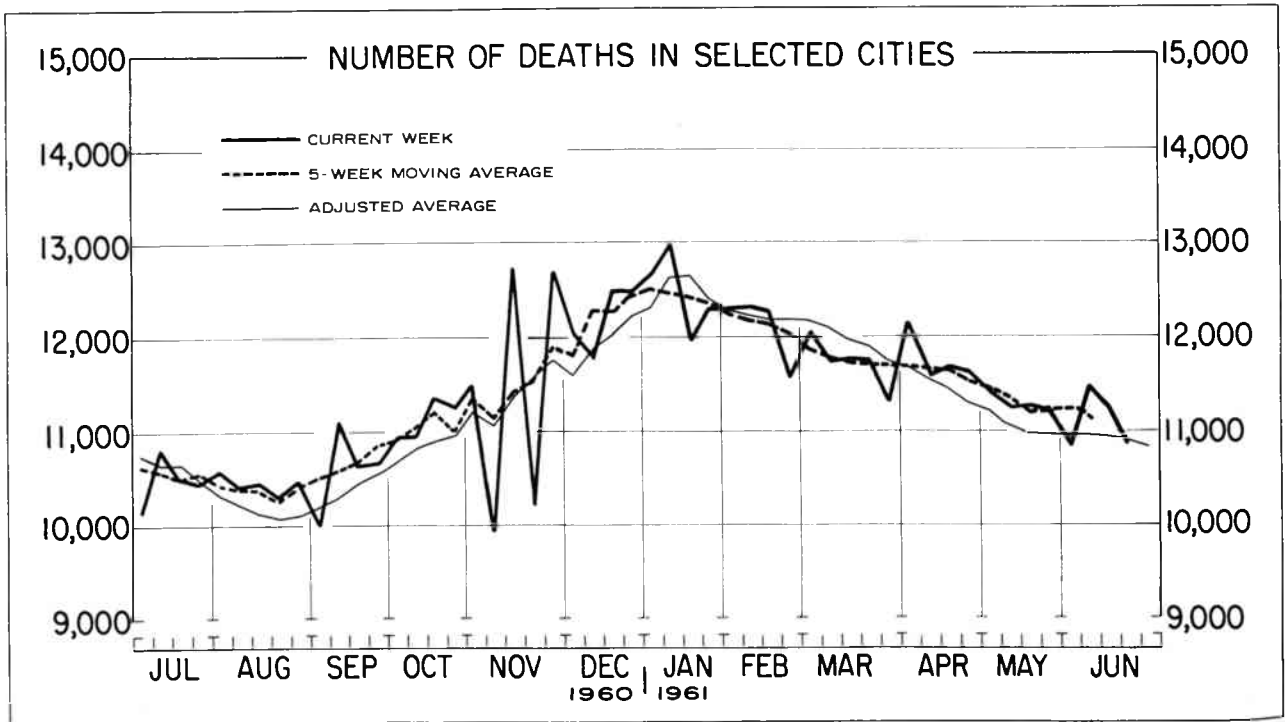
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(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Malaria	Meningococcal infections		Psittacosis	Streptococcal sore throat, etc.	Typhoid fever 040				Typhus fever, endemic	Rabies in animals	
	110-117	057		096.2	050,051	25th Week		Cumulative, first 25 weeks		101	1961	1960
	1961	1961	1960	1961	1961	1961	1960	1961	1960	1961	1961	1960
UNITED STATES-----	1	30	41	1	4,059	25	37	278	298	1	71	64
NEW ENGLAND-----	-	2	3	-	265	-	-	6	4	-	-	-
Maine-----	-	-	-	-	7	-	-	1	1	-	-	-
New Hampshire-----	-	-	-	-	4	-	-	-	-	-	-	-
Vermont-----	-	-	-	-	6	-	-	-	-	-	-	-
Massachusetts-----	-	1	1	-	114	-	-	1	2	-	-	-
Rhode Island-----	-	-	1	-	11	-	-	1	-	-	-	-
Connecticut-----	-	1	1	-	123	-	-	3	1	-	-	-
MIDDLE ATLANTIC-----	-	6	7	-	398	6	1	33	15	-	2	12
New York-----	-	3	2	-	303	6	1	17	12	-	2	12
New Jersey-----	-	2	1	-	49	-	-	6	-	-	-	-
Pennsylvania-----	-	1	4	-	46	-	-	10	3	-	-	-
EAST NORTH CENTRAL-----	-	6	12	1	426	3	-	36	31	-	4	13
Ohio-----	-	1	2	-	38	-	-	11	5	-	1	3
Indiana-----	-	-	1	-	79	2	-	7	9	-	1	5
Illinois-----	-	1	3	-	62	1	-	16	8	-	2	3
Michigan-----	-	4	4	1	175	-	-	1	5	-	-	2
Wisconsin-----	-	-	2	-	72	-	-	1	4	-	-	-
WEST NORTH CENTRAL-----	-	-	2	-	55	1	1	19	17	-	23	12
Minnesota-----	-	-	-	-	5	-	-	5	1	-	2	1
Iowa-----	-	-	-	-	11	-	1	1	1	-	11	5
Missouri-----	-	-	1	-	2	1	-	10	13	-	5	6
North Dakota-----	-	-	-	-	37	-	-	-	-	-	-	-
South Dakota-----	-	-	-	-	-	-	-	1	1	-	4	-
Nebraska-----	-	-	-	-	-	-	-	-	1	-	1	-
Kansas-----	-	-	1	-	-	-	-	2	-	-	-	-
SOUTH ATLANTIC-----	-	2	11	-	346	5	3	45	38	-	8	6
Delaware-----	-	-	-	-	-	1	-	1	-	-	-	-
Maryland-----	-	-	1	-	92	-	-	-	-	-	-	-
District of Columbia-----	-	-	-	-	1	-	1	6	2	-	-	-
Virginia-----	-	-	-	-	52	-	-	1	5	-	4	2
West Virginia-----	-	-	-	-	56	-	-	4	2	-	1	1
North Carolina-----	-	1	2	-	14	1	1	7	8	-	-	2
South Carolina-----	-	1	-	-	21	-	-	2	6	-	-	-
Georgia-----	-	-	4	-	-	3	1	18	8	-	-	1
Florida-----	-	-	4	-	110	-	-	6	7	-	3	-
EAST SOUTH CENTRAL-----	-	4	1	-	890	3	4	30	47	-	9	7
Kentucky-----	-	-	-	-	58	-	1	6	13	-	1	3
Tennessee-----	-	3	-	-	785	1	1	20	23	-	5	3
Alabama-----	-	1	1	-	3	1	2	3	8	-	3	1
Mississippi-----	-	-	-	-	44	1	-	1	3	-	-	-
WEST SOUTH CENTRAL-----	-	4	2	-	626	6	24	57	106	-	14	10
Arkansas-----	-	1	1	-	-	1	-	7	18	-	2	2
Louisiana-----	-	1	1	-	1	-	19	5	43	-	1	-
Oklahoma-----	-	-	-	-	49	-	-	5	5	-	-	-
Texas-----	-	2	-	-	576	5	5	40	40	-	11	8
MOUNTAIN-----	-	1	-	-	716	-	-	23	17	-	2	2
Montana-----	-	-	-	-	14	-	-	3	5	-	-	-
Idaho-----	-	-	-	-	48	-	-	-	-	-	-	-
Wyoming-----	-	-	-	-	-	-	-	1	2	-	-	-
Colorado-----	-	-	-	-	165	-	-	5	-	-	-	2
New Mexico-----	-	-	-	-	251	-	-	6	4	-	1	-
Arizona-----	-	1	-	-	152	-	-	5	6	-	1	-
Utah-----	-	-	-	-	83	-	-	2	-	-	-	-
Nevada-----	-	-	-	-	3	-	-	1	-	-	-	-
PACIFIC-----	1	5	3	-	337	1	4	29	23	1	9	2
Washington-----	1	-	-	-	62	-	-	3	1	-	-	-
Oregon-----	-	-	1	-	33	-	4	-	4	-	-	-
California-----	-	4	2	-	229	1	-	26	18	-	4	2
Alaska-----	-	-	-	-	12	-	-	-	-	-	5	-
Hawaii-----	-	1	-	-	1	-	-	-	-	1	-	-
Puerto Rico-----	-	-	-	-	1	1	-	9	16	-	-	-

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The chart shows the number of deaths reported for 117 major cities of the United States by week for the current year, a 5-week moving average of these figures plotted at the central week, and an adjusted average for comparison. For each region the adjusted average was computed as follows: From the total deaths reported each week for the years 1956-1960, 3 central figures were selected by eliminating the highest and lowest figure reported for that week. A 5-week moving average of the arithmetic mean of the 3 central figures was then computed with adjustment to allow for population growth in each region. The average value of the regional increases was 2 percent which was incorporated in the adjusted average shown in the chart.

Table 4 shows the number of death certificates re-

ceived during the week indicated for deaths that occurred in selected cities. Figures compiled in this way, by week of receipt, usually approximate closely the number of deaths occurring during the week. However, differences are to be expected because of variations in the interval between death and receipt of the certificate and because of incomplete reporting due to holidays or vacations. If a report is not received from a city in time to be included in the total for the current week, an estimate is used.

The number of deaths in cities of the same size may also differ because of variations in the age, race, and sex composition of the populations and because some cities are hospital centers serving the surrounding areas. Changes from year to year in the number of deaths may be due in part to population increases or decreases.

Table 3. DEATHS IN SELECTED CITIES BY GEOGRAPHIC DIVISIONS

(By place of occurrence and week of filing certificate. Excludes fetal deaths. Data exclude figures shown in parentheses in table 4.)

Area	25th week ended June 24, 1961	24th week ended June 17, 1961	Adjusted average, 25th week 1956-60	Percent change, adjusted average to current week	Cumulative, first 25 weeks		
					1961	1960	Percent change
TOTAL, 117 REPORTING CITIES-----	10,856	11,278	10,910	-0.5	293,879	302,086	-2.7
New England----- (14 cities)	673	730	651	+3.4	18,198	19,018	-4.3
Middle Atlantic----- (20 cities)	3,009	3,164	2,990	+0.6	84,183	83,459	+0.9
East North Central----- (21 cities)	2,320*	2,529	2,337	-0.7	62,829	64,846	-3.1
West North Central----- (9 cities)	767	777	781	-1.8	19,859	21,090	-5.8
South Atlantic----- (11 cities)	930	1,014	933	-0.3	25,294	26,290	-3.8
East South Central----- (8 cities)	477*	470	481	-0.8	13,333	13,748	-3.0
West South Central----- (13 cities)	891	910	1,003	-11.2	24,959	26,626	-6.3
Mountain----- (8 cities)	363	303	351	+3.4	9,243	9,413	-1.8
Pacific----- (13 cities)	1,426*	1,381	1,383	+3.1	35,981	37,596	-4.3

*Includes estimate for missing reports.

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Table 4. DEATHS IN SELECTED CITIES

(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	25th week ended June 24, 1961	24th week ended June 17, 1961	Cumulative, first 25 weeks		Area	25th week ended June 24, 1961	24th week ended June 17, 1961	Cumulative, first 25 weeks	
			1961	1960				1961	1960
NEW ENGLAND:					WEST NORTH CENTRAL—Con.:				
Boston, Mass.-----	249	220	6,220	6,631	St. Louis, Mo.-----	217	263	6,003	6,537
Bridgeport, Conn.-----	35	48	971	1,089	St. Paul, Minn.-----	73	60	1,699	1,853
Cambridge, Mass.-----	22	23	755	825	Wichita, Kans.-----	41	44	1,141	1,182
Fall River, Mass.-----	23	31	697	767	SOUTH ATLANTIC:				
Hartford, Conn.-----	40	42	1,209	1,228	Atlanta, Ga.-----	102	91	2,917	3,060
Lowell, Mass.-----	29	38	642	629	Baltimore, Md.-----	254	236	6,356	6,687
Lynn, Mass.-----	16	14	575	635	Charlotte, N.C.-----	28	38	897	1,066
New Bedford, Mass.-----	28	27	683	641	Jacksonville, Fla.-----	42	72	1,468	1,620
New Haven, Conn.-----	40	51	1,199	1,169	Miami, Fla.-----	84	87	1,924	1,905
Providence, R.I.-----	49	80	1,584	1,672	Norfolk, Va.-----	45	59	1,271	1,083
Somerville, Mass.-----	19	12	343	373	Richmond, Va.-----	75	66	2,021	2,064
Springfield, Mass.-----	45	57	1,179	1,209	Savannah, Ga.-----	29	34	842	947
Waterbury, Conn.-----	30	25	709	735	St. Petersburg, Fla.-----	(55)	(66)	(1,834)	(1,933)
Worcester, Mass.-----	48	62	1,432	1,415	Tampa, Fla.-----	57	74	1,698	1,775
MIDDLE ATLANTIC:					Washington, D.C.-----	174	216	4,916	5,080
Albany, N.Y.-----	57	36	1,182	1,134	Wilmington, Del.-----	40	41	984	1,003
Allentown, Pa.-----	31	30	884	934	EAST SOUTH CENTRAL:				
Buffalo, N.Y.-----	150	143	3,771	3,839	Birmingham, Ala.-----	91	89	2,225	2,236
Camden, N.J.-----	29	42	1,095	1,133	Chattanooga, Tenn.-----	42*	47	1,227	1,221
Elizabeth, N.J.-----	22	28	747	754	Knoxville, Tenn.-----	34	24	715	769
Erie, Pa.-----	50	38	1,008	995	Louisville, Ky.-----	111	107	2,898	2,989
Jersey City, N.J.-----	73	71	1,810	1,844	Memphis, Tenn.-----	87	96	2,955	2,947
Newark, N.J.-----	78	90	2,615	2,541	Mobile, Ala.-----	30	31	1,036	1,093
New York City, N.Y.-----	1,483	1,605	43,044	42,482	Montgomery, Ala.-----	36	19	806	933
Paterson, N.J.-----	29	50	1,009	1,013	Nashville, Tenn.-----	46	57	1,471	1,560
Philadelphia, Pa.-----	487	464	13,163	12,719	WEST SOUTH CENTRAL:				
Pittsburgh, Pa.-----	228	226	4,959	5,039	Austin, Tex.-----	33	33	878	923
Reading, Pa.-----	28	32	581	628	Baton Rouge, La.-----	18	15	712	745
Rochester, N.Y.-----	70	97	2,523	2,581	Corpus Christi, Tex.-----	22	15	585	638
Schenectady, N.Y.-----	27	24	624	616	Dallas, Tex.-----	123	120	3,152	3,290
Scranton, Pa.-----	32	31	904	989	El Paso, Tex.-----	29	27	906	986
Syracuse, N.Y.-----	49	59	1,555	1,617	Fort Worth, Tex.-----	43	64	1,656	1,773
Trenton, N.J.-----	30	49	1,154	1,082	Houston, Tex.-----	141	168	4,165	4,410
Utica, N.Y.-----	19	24	733	718	Little Rock, Ark.-----	50	61	1,415	1,546
Yonkers, N.Y.-----	37	25	822	801	New Orleans, La.-----	117	174	4,210	4,788
EAST NORTH CENTRAL:					Oklahoma City, Okla.-----	79	51	1,930	1,954
Akron, Ohio-----	42	60	1,432	1,449	San Antonio, Tex.-----	117	96	2,633	2,697
Canton, Ohio-----	27	32	809	901	Shreveport, La.-----	49	47	1,309	1,417
Chicago, Ill.-----	721	761	19,053	19,907	Tulsa, Okla.-----	70	39	1,408	1,459
Cincinnati, Ohio-----	151	159	4,006	4,102	MOUNTAIN:				
Cleveland, Ohio-----	168	219	5,215	5,589	Albuquerque, N. Mex.-----	40	28	783	773
Columbus, Ohio-----	109	97	2,880	3,090	Colorado Springs, Colo.-----	23	14	421	435
Dayton, Ohio-----	87	79	2,075	1,866	Denver, Colo.-----	110	101	2,872	3,114
Detroit, Mich.-----	327	362	8,952	8,952	Ogden, Utah-----	22	15	405	444
Evansville, Ind.-----	22	33	924	946	Phoenix, Ariz.-----	73	71	2,111	2,025
Flint, Mich.-----	36	51	1,107	1,024	Pueblo, Colo.-----	16	17	425	400
Fort Wayne, Ind.-----	37	26	974	969	Salt Lake City, Utah-----	42	40	1,241	1,255
Gary, Ind.-----	34	24	772	822	Tucson, Ariz.-----	37	17	985	967
Grand Rapids, Mich.-----	43	55	1,154	1,075	PACIFIC:				
Indianapolis, Ind.-----	137*	139	3,716	3,812	Berkeley, Calif.-----	19	19	433	437
Madison, Wis.-----	30	48	831	836	Fresno, Calif.-----	(60)	(41)	(1,130)	(1,187)
Milwaukee, Wis.-----	100	122	3,115	3,222	Glendale, Calif.-----	(40)	(31)	(847)	(993)
Peoria, Ill.-----	19	36	740	759	Honolulu, Hawaii-----	40	39	1,008	1,068
Rockford, Ill.-----	33	27	731	737	Long Beach, Calif.-----	56	56	1,456	1,418
South Bend, Ind.-----	40	31	739	742	Los Angeles, Calif.-----	535	481	12,811	13,441
Toledo, Ohio-----	112	101	2,504	2,596	Oakland, Calif.-----	105	90	2,414	2,504
Youngstown, Ohio-----	55	67	1,448	1,450	Pasadena, Calif.-----	31	31	848	892
WEST NORTH CENTRAL:					Portland, Oreg.-----	110	107	2,701	2,871
Des Moines, Iowa-----	61	52	1,342	1,452	Sacramento, Calif.-----	57*	68	1,553	1,506
Duluth, Minn.-----	32	21	647	673	San Diego, Calif.-----	93	113	2,282	2,331
Kansas City, Kans.-----	48	31	969	899	San Francisco, Calif.-----	185	191	5,017	5,184
Kansas City, Mo.-----	101	163	3,255	3,366	San Jose, Calif.-----	(43)	(25)	(892)	(871)
Lincoln, Nebr.-----	(38)	(26)	(710)	(659)	Seattle, Wash.-----	119	125	3,323	3,629
Minneapolis, Minn.-----	113	81	3,066	3,199	Spokane, Wash.-----	47*	38	1,147	1,201
Omaha, Nebr.-----	81	62	1,737	1,929	Tacoma, Wash.-----	29	23	988	1,114
					San Juan, P. R.-----	(35)	(22)	(900)	(883)

*Estimate - based on average percentage of divisional total.

() Figures shown in parenthesis are from cities which have been reporting less than five years and hence are not included in Table 3.

Seventy-three percent of the cases occurred among unvaccinated persons and 53 of the 57 deaths. Among those fully vaccinated (i.e. a primary series within four years or a primary series at any time with a booster within four years) there were no deaths and 42 of the 61 cases in this group were classed as mild. The only recorded death among persons who had received a primary series at any time occurred in a 35-year-old North Dakota woman, a diabetic, who was reported to have received a primary series at age 9.

Botulism - Type E - Washington

At 9:00 p.m. on May 24th, twelve persons on the Hoh Indian Reservation consumed a meal consisting of freshly prepared pork chop suey, berry sprouts, fresh raw salmon, smoked elk meat and salmon eggs. The elk meat had been smoked fourteen days before and stored without refrigeration. The uncooked salmon eggs had been placed in a fruit jar last November, covered with paper and stored in a shed near the family home.

Nine hours after the meal, a 22-year-old man developed blurred vision, dizziness, abdominal pain and vomiting. Within an hour, three other adults developed similar symptoms. The man died in cardio-respiratory collapse ten hours after onset; the other victims recovered completely within 72 hours.

The eight remaining persons, all children, consumed portions of the same food but were not ill. Notably, the salmon eggs they ate were taken from the top of the jar; the adults ate the remainder; the fatal case additionally drank the juice remaining in the jar.

Blood from the fatal case and emesis from a non-fatal case contained a heat labile toxin not neutralized by either Type A or B botulism antitoxin. Material from the salmon egg jar contained botulinus toxin Type E at a titer of 40 M.L.D. per ml. *C. botulinum*, Type E, was grown from the emesis material, the salmon eggs and from the smoked elk meat.

(Reported by Dr. Ernest A. Ager, Head, Communicable Disease Control, Washington State Health Department).

QUARANTINE MEASURES

Immunization Information for International Travel - 1960 edition
Public Health Service Publication No. 384

The following name should be added to the list of Yellow Fever Vaccination Centers in Section 6:

City	Center	Clinic Hours	Fee
Texas	U. S. Quarantine Station	Friday, 9 a.m.	No
El Paso	Santa Fe Street Bridge Tel. KEystone 3-9351 ext. 339 or 265		

NOTICE

Due to observance of Independence Day on July 4, the report for the week ending July 1 (Vol. 10, No. 26) will be mailed on Friday, July 7 rather than Thursday, July 6.

FOR SOURCE AND NATURE OF MORBIDITY DATA SEE
LAST WEEK'S MORBIDITY AND MORTALITY WEEKLY
REPORT

U. S. DEPARTMENT OF
HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE
Communicable Disease Center
Atlanta 22, Georgia
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