

Morbidity and Mortality

Weekly
Report

PUBLIC HEALTH SERVICE

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Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended September 2, 1961

Poliomyelitis - There was a substantial decrease in the number of reported cases of poliomyelitis for the week ending September 2. Sixty cases were reported during the current week, 36 of which were paralytic. During the previous week, the total was 74, including 58 paralytic.

The incidence of poliomyelitis remains well below previous years as shown below:

POLIOMYELITIS CASES (CUMULATIVE) THROUGH 35TH WEEK

	1961	1960	1959	1958	1957
Paralytic	417	1090	2828	1108	1229
Total	623	1582	4445	2281	3915

The tri-county area in New York State, which includes Onondaga, Madison and Oneida counties, continues to be the only area with a concentration of paralytic poliomyelitis. Through September 3, 43 paralytic cases have occurred in this area. Of the 43 cases, 18 have occurred in Onondaga County (13 in Syracuse), 14 in Madison County, and 11 in Oneida County. In addition, there are five nonparalytic cases in the area. The paralytic cases have had onset as follows:

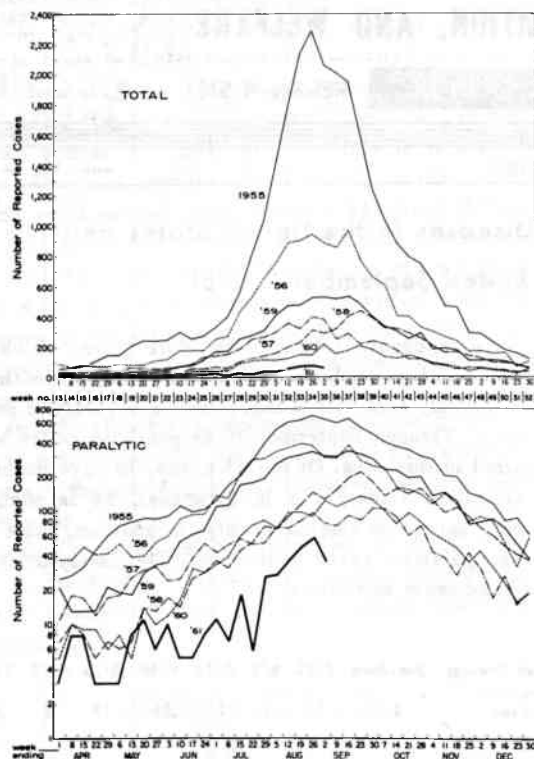
Week Ending:	Jan-June	7/29	8/5	8/12	8/19	8/26	9/2	Total
Paralytic Cases	3	1	8	6	11	12	2	43

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)	35th Week			Cumulative						Approximate seasonal low point
	Ended Sept. 2, 1961	Ended Sept. 3, 1960	Median 1956-60	First 35 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	-	2	*	5	12	*	*	*	*	*
Botulism-----049.1	-	-	*	4	8	*	*	*	*	*
Brucellosis (undulant fever)-----044	11	8	10	413	551	542	*	*	*	*
Diphtheria-----055	8	12	11	374	414	491	65	80	94	July 1
Encephalitis, infectious-----082	37	55	70	1,067	1,224	1,184	1,067	1,224	1,184	Jan. 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	1,003	689	247	52,826	25,503	14,037	68,033	32,975	19,994	Sept. 1
Malaria-----110-117	-	2	*	37	46	*	*	*	*	*
Measles-----085	871	1,240	1,042	385,628	399,857	447,208	421,838	432,458	483,877	Sept. 1
Meningitis, aseptic-----340 pt.	203	126	---	1,719	1,605	---	1,719	1,605	---	Jan. 1
Meningococcal infections-----057	30	20	21	1,515	1,535	1,687	2,171	2,264	2,438	Sept. 1
Poliomyelitis-----080	60	214	283	624	1,582	3,911	521	1,370	3,383	Apr. 1
Paralytic-----080.0,080.1	36	124	126	417	1,090	1,226	357	932	951	Apr. 1
Nonparalytic-----080.2	18	49	107	135	342	2,055	110	314	1,894	Apr. 1
Unspecified-----080.3	6	41	50	72	150	630	54	124	538	Apr. 1
Psittacosis-----096.2	2	3	*	49	71	*	*	*	*	*
Rabies in man-----094	-	-	*	3	1	*	*	*	*	*
Streptococcal sore throat, including scarlet fever-----050,051	2,718	2,890	---	233,691	223,907	---	14,480	---	---	Aug. 1
Typhoid fever-----040	30	20	27	510	522	650	396	392	470	Apr. 1
Typhus fever, endemic-----101	-	-	*	26	51	*	*	*	*	*
Rabies in animals-----	62	46	52	2,395	2,595	3,145	2,971	3,562	4,056	Oct. 1

FIGURE 1
CURRENT U.S. POLIO INCIDENCE
COMPARED WITH YEARS 1955-1960, April-December, by week
PROVISIONAL DATA SUPPLIED BY NATIONAL OFFICE OF VITAL STATISTICS
AND COMMUNICABLE DISEASE CENTER



410,000 doses of type I oral poliovaccine were distributed at 36 clinics in the tri-county area from August 28 to 31. The vaccine, from the Public Health Service epidemic reserve, was available without charge to all persons over six months of age. Type 1 poliomyelitis virus has been isolated from at least seven cases.

The six paralytic cases reported by Mississippi this week include four from Adams County. Three of the four are delayed reports with onsets in June and July. None have had three doses of vaccine; three cases are unvaccinated and the other had received two doses. Of the four Wisconsin cases, three are from Milwaukee County.

Coxsackie B₅ — In contrast to the low poliomyelitis incidence is the large number of reported outbreaks of aseptic meningitis and minor illnesses caused by Coxsackie B₅. Last year few outbreaks of Coxsackie B₅ were reported. Epidemics of Coxsackie B₅ have recently been reported and are continuing in scattered areas of New Jersey (4 cases of pericarditis and many minor febrile illnesses), in Woonsocket and scattered areas of Rhode Island (57 aseptic meningitis cases and large numbers of minor illnesses), in several towns in North Dakota (see Epidemiological Reports), and in Fort Dodge, Iowa

(over 200 minor illnesses and many cases of aseptic meningitis). Reports earlier this year had implicated Coxsackie B₅ in an epidemic of pleurodynia (26 isolations) in King George County, Virginia, in a family outbreak of pleurodynia in Maryland (6 cases), in aseptic meningitis in scattered areas of Pennsylvania (10 cases) and in Illinois. Coxsackie B₅ has accounted for over 40 percent of non-polio enterovirus isolates reported so far this year.

Hepatitis — A total of 1,003 cases of hepatitis was reported for the week ending September 2, 1961. The number of cases has remained about the same for each of the past six weeks. The cumulative total of cases reported so far this year, 52,826, already exceeds the highest annual total reported in the past. Clearly 1961 will be a record high year.

• EPIDEMIOLOGICAL REPORTS

Plague — New Mexico

A third case of plague with history of exposure in New Mexico has been reported. The patient, a 23-year-old lineman for a Power and Light Company worked in the Pecos area, the site of exposure of the first reported case. He experienced the onset of fever and severe headache on August 4. Enlarged inguinal nodes suggested a diagnosis of plague; the diagnosis was confirmed by an agglutination titer of 1:80 on the patient's convalescent serum. The patient made a rapid and complete recovery.

The two previous fatal cases of plague this year from New Mexico involved a 38-year-old sawmill worker and a 38-year-old geology professor. Attempts to isolate bacilli from wild animals in the area involved have so far been unsuccessful.

Since 1900, there have been 533 cases of plague reported in the U. S., 414 of which have occurred in California. Sixty-five percent of the cases have been fatal. The only States reporting plague cases since 1949 are New Mexico — 12 cases, California — 3, Texas — 1, and Arizona — 1. At the present time plague smolders in a wild rodent reservoir.

(Reported by Dr. John B. Sherman, Director, Division of Preventive Medicine, New Mexico Department of Public Health)

Coxsackie B₅ Aseptic Meningitis — North Dakota

Twenty-five cases of a disease presenting as aseptic meningitis have been reported from North Dakota. The cases occurred in August in and around Bismarck (3 cases), Garrison (12 cases), Minot (6 cases), and Dickinson (4 cases). The clinical picture was characterized

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED SEPTEMBER 3, 1960 AND SEPTEMBER 2, 1961

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

Area	Poliomyelitis 080										Menin- gitis, aseptic	Brucel- losis (undul- lant fever)
	Total (Includes cases not specified by type)				Paralytic 080.0,080.1				Nonparalytic 080.2			
	35th Week		Cumulative, first 35 weeks		35th Week		Cumulative, first 35 weeks				340 pt.	044
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960	1961	1961
UNITED STATES-----	60	214	624	1,582	36	124	417	1,090	18	49	203	11
NEW ENGLAND-----	3	15	12	141	3	10	10	112	-	3	9	-
Maine-----	1	2	1	11	1	2	1	11	-	-	1	-
New Hampshire-----	-	-	1	-	-	-	-	-	-	-	-	-
Vermont-----	-	-	2	1	-	-	2	1	-	-	1	-
Massachusetts-----	2	4	6	23	2	1	5	15	-	1	4	-
Rhode Island-----	-	5	-	91	-	4	-	72	-	1	3	-
Connecticut-----	-	4	2	15	-	3	2	13	-	1	-	-
MIDDLE ATLANTIC-----	25	23	111	196	14	16	86	149	7	5	3	1
New York-----	20	16	71	117	10	9	52	84	6	5	1	-
New Jersey-----	3	1	23	39	2	1	20	30	1	-	-	-
Pennsylvania-----	2	6	17	40	2	6	14	35	-	-	2	1
EAST NORTH CENTRAL-----	10	53	65	240	6	28	38	132	2	15	49	3
Ohio-----	1	19	19	62	-	5	10	25	-	7	9	-
Indiana-----	2	5	7	40	1	5	5	29	-	-	1	1
Illinois-----	1	22	17	86	-	12	7	56	1	7	18	2
Michigan-----	2	5	12	41	1	4	10	19	1	1	18	-
Wisconsin-----	4	2	10	11	4	2	6	3	-	-	3	-
WEST NORTH CENTRAL-----	5	8	38	77	1	3	17	41	4	2	81	3
Minnesota-----	-	2	4	27	-	1	4	20	-	1	8	-
Iowa-----	1	1	12	11	-	-	5	2	1	1	73	2
Missouri-----	2	2	10	13	-	-	2	7	2	-	-	-
North Dakota-----	-	1	1	7	-	1	-	3	-	-	-	-
South Dakota-----	-	-	-	3	-	-	-	1	-	-	-	-
Nebraska-----	-	1	4	6	-	1	3	5	-	-	-	1
Kansas-----	2	1	7	10	1	-	3	3	1	-	-	-
SOUTH ATLANTIC-----	3	33	121	261	-	26	91	187	3	6	2	-
Delaware-----	-	-	2	-	-	-	1	-	-	-	-	-
Maryland-----	-	4	21	21	-	4	21	18	-	-	-	-
District of Columbia-----	-	-	1	-	-	-	1	-	-	-	-	-
Virginia-----	-	1	8	9	-	1	6	7	-	-	-	-
West Virginia-----	-	8	14	27	-	6	9	22	-	2	-	-
North Carolina-----	3	7	11	55	-	4	6	40	3	3	-	-
South Carolina-----	-	8	11	94	-	7	9	62	-	1	-	-
Georgia-----	-	-	27	9	-	-	20	7	-	-	1	-
Florida-----	-	5	26	46	-	4	18	31	-	-	1	-
EAST SOUTH CENTRAL-----	9	28	51	108	9	5	31	55	-	2	17	1
Kentucky-----	1	21	20	53	1	-	5	5	-	-	3	-
Tennessee-----	-	4	10	19	-	2	6	14	-	2	-	1
Alabama-----	2	1	8	10	2	1	8	10	-	-	1	-
Mississippi-----	6	2	13	26	6	2	12	26	-	-	13	-
WEST SOUTH CENTRAL-----	4	25	96	179	2	12	51	103	2	13	7	2
Arkansas-----	2	5	10	16	-	3	4	8	2	2	-	1
Louisiana-----	1	-	31	38	1	-	23	24	-	-	-	-
Oklahoma-----	-	-	3	8	-	-	-	5	-	-	2	-
Texas-----	1	20	52	117	1	9	24	66	-	11	5	1
MOUNTAIN-----	-	4	38	44	-	2	23	21	-	-	2	1
Montana-----	-	-	3	13	-	-	2	9	-	-	1	-
Idaho-----	-	-	12	5	-	-	6	1	-	-	-	-
Wyoming-----	-	1	-	8	-	-	-	-	-	-	-	-
Colorado-----	-	1	6	6	-	1	6	5	-	-	-	-
New Mexico-----	-	1	3	4	-	1	-	1	-	-	1	1
Arizona-----	-	-	7	4	-	-	5	4	-	-	-	-
Utah-----	-	1	7	4	-	-	4	1	-	-	-	-
Nevada-----	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC-----	1	25	92	336	1	22	70	290	-	3	33	-
Washington-----	1	3	18	20	1	3	14	20	-	-	-	-
Oregon-----	-	3	11	25	-	1	4	14	-	2	1	-
California-----	-	18	61	282	-	17	50	247	-	1	32	-
Alaska-----	-	-	-	2	-	-	-	2	-	-	-	-
Hawaii-----	-	1	2	7	-	1	2	7	-	-	-	-
Puerto Rico-----	-	15	5	416	-	15	5	409	-	-	-	-

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED SEPTEMBER 3, 1960 AND SEPTEMBER 2, 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	
	35th Week		Cumulative, first 35 weeks		082		35th Week		Cumulative, first 35 weeks		085	
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960
UNITED STATES-----	8	12	374	414	37	55	1,003	689	52,826	25,503	871	1,240
NEW ENGLAND-----	-	-	6	10	1	2	61	23	1,524	770	54	75
Maine-----	-	-	-	2	-	-	-	-	95	46	5	4
New Hampshire-----	-	-	-	-	-	-	10	4	116	25	6	2
Vermont-----	-	-	-	-	-	-	7	-	165	11	-	7
Massachusetts-----	-	-	5	7	1	2	37	12	588	387	28	46
Rhode Island-----	-	-	-	1	-	-	4	3	191	149	7	-
Connecticut-----	-	-	1	-	-	-	3	4	369	152	8	16
MIDDLE ATLANTIC-----	-	1	19	13	10	16	157	88	7,320	2,898	148	187
New York-----	-	-	7	3	9	3	74	52	3,074	1,544	103	128
New Jersey-----	-	1	-	2	-	8	42	7	1,764	205	21	24
Pennsylvania-----	-	-	12	8	1	5	41	29	2,482	1,149	24	35
EAST NORTH CENTRAL-----	-	1	15	35	11	9	186	134	10,625	4,647	241	560
Ohio-----	-	1	1	15	5	2	55	54	3,585	1,572	24	37
Indiana-----	-	-	1	5	-	3	27	16	1,647	536	25	35
Illinois-----	-	-	10	4	2	1	27	18	1,838	941	73	16
Michigan-----	-	-	3	9	3	3	72	45	3,297	1,429	76	366
Wisconsin-----	-	-	-	2	1	-	5	1	258	169	43	106
WEST NORTH CENTRAL-----	-	-	31	21	2	2	86	23	5,209	1,820	20	20
Minnesota-----	-	-	20	5	-	-	17	4	1,136	205	-	1
Iowa-----	-	-	1	5	-	-	26	6	1,509	309	4	-
Missouri-----	-	-	-	2	1	-	21	8	1,182	669	6	3
North Dakota-----	-	-	2	1	-	2	-	-	122	138	9	15
South Dakota-----	-	-	6	5	-	-	4	2	140	124	1	-
Nebraska-----	-	-	2	1	1	-	10	2	537	188	-	1
Kansas-----	-	-	-	2	-	-	8	1	583	187	NN	NN
SOUTH ATLANTIC-----	3	7	77	119	-	3	99	63	6,544	3,025	80	49
Delaware-----	-	-	-	-	-	-	-	3	155	188	-	2
Maryland-----	-	-	1	1	-	1	5	4	613	308	17	3
District of Columbia-----	-	-	2	-	-	1	4	2	81	38	3	12
Virginia-----	-	-	15	12	-	-	11	8	1,039	605	19	9
West Virginia-----	-	-	1	4	-	-	18	8	1,225	566	23	15
North Carolina-----	-	-	7	5	-	1	34	13	1,399	264	3	1
South Carolina-----	-	-	5	37	-	-	2	-	328	47	6	-
Georgia-----	3	-	20	20	-	-	6	3	604	198	-	4
Florida-----	-	7	26	40	-	-	19	22	1,100	811	9	3
EAST SOUTH CENTRAL-----	-	1	28	41	3	4	148	83	7,912	3,669	52	68
Kentucky-----	-	-	8	1	-	-	36	21	2,328	1,371	4	9
Tennessee-----	-	-	3	6	-	2	50	29	3,148	1,204	42	56
Alabama-----	-	-	12	20	-	-	25	16	1,391	787	1	-
Mississippi-----	-	1	5	14	3	2	37	17	1,045	307	5	3
WEST SOUTH CENTRAL-----	5	2	184	141	5	3	57	68	3,827	2,115	101	105
Arkansas-----	-	-	4	4	2	-	5	5	750	110	-	-
Louisiana-----	1	-	23	29	-	-	2	9	405	106	-	-
Oklahoma-----	-	-	5	7	1	1	3	7	261	264	-	-
Texas-----	4	2	152	101	2	2	47	47	2,411	1,635	101	105
MOUNTAIN-----	-	-	8	33	-	7	61	52	3,228	2,062	56	69
Montana-----	-	-	2	3	-	-	-	5	286	85	-	5
Idaho-----	-	-	-	11	-	2	3	1	237	249	2	3
Wyoming-----	-	-	-	5	-	3	5	-	134	22	-	-
Colorado-----	-	-	4	3	-	1	18	23	1,085	751	6	14
New Mexico-----	-	-	1	4	-	-	7	2	356	250	NN	-
Arizona-----	-	-	-	3	-	-	10	12	489	471	26	28
Utah-----	-	-	-	4	-	1	6	3	531	186	12	19
Nevada-----	-	-	1	-	-	-	12	6	110	48	10	-
PACIFIC-----	-	-	6	1	5	9	148	155	6,637	4,497	119	107
Washington-----	-	-	-	-	-	-	14	20	737	504	8	11
Oregon-----	-	-	-	-	-	-	23	18	1,019	736	31	32
California-----	-	-	2	-	5	9	99	113	4,533	3,045	67	41
Alaska-----	-	-	4	1	-	-	11	3	301	148	11	21
Hawaii-----	-	-	-	-	-	-	1	1	47	64	2	2
Puerto Rico-----	-	2	46	105	-	-	12	10	687	566	26	-

NN-Not Notifiable

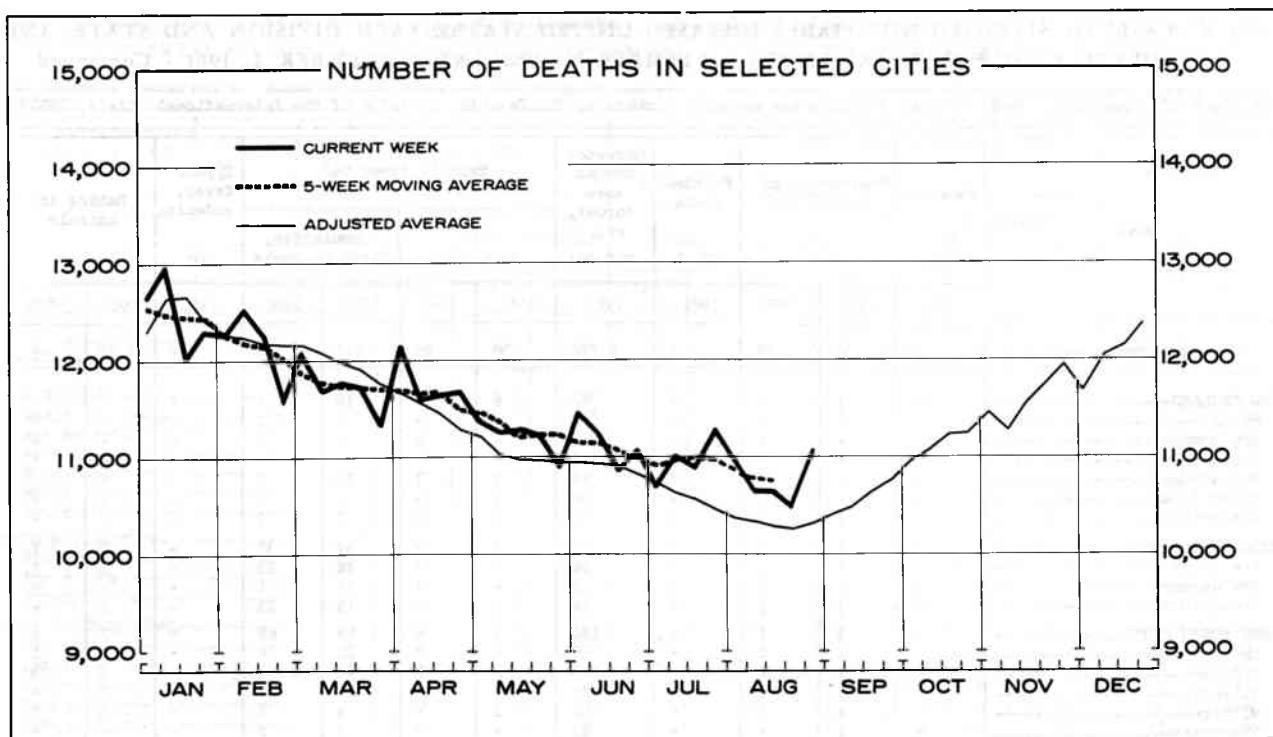
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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED SEPTEMBER 3, 1960 AND SEPTEMBER 2, 1961 - Continued

(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	35th Week		Cumulative, first 35 weeks		101		
	1961	1961	1960	1961	1961	1961	1960	1961	1960	1961	1961	1960
UNITED STATES-----	-	30	20	2	3,718	30	20	510	522	-	62	46
NEW ENGLAND-----	-	1	-	2	88	6	1	16	8	-	-	-
Maine-----	-	-	-	-	1	-	-	1	2	-	-	-
New Hampshire-----	-	-	-	-	2	-	-	-	-	-	-	-
Vermont-----	-	-	-	-	1	-	-	-	-	-	-	-
Massachusetts-----	-	-	-	2	14	5	1	10	3	-	-	-
Rhode Island-----	-	-	-	-	10	1	-	2	-	-	-	-
Connecticut-----	-	1	-	-	60	-	-	3	3	-	-	-
MIDDLE ATLANTIC-----	-	4	4	-	73	2	-	57	37	-	5	7
New York-----	-	1	1	-	54	-	-	26	23	-	3	7
New Jersey-----	-	1	1	-	5	-	-	16	1	-	-	-
Pennsylvania-----	-	2	2	-	14	2	-	15	13	-	2	-
EAST NORTH CENTRAL-----	-	8	7	-	184	9	6	68	69	-	7	9
Ohio-----	-	2	2	-	9	4	3	22	18	-	2	1
Indiana-----	-	1	1	-	52	1	2	16	19	-	2	3
Illinois-----	-	3	1	-	28	2	1	24	19	-	2	-
Michigan-----	-	1	3	-	60	2	-	4	8	-	1	5
Wisconsin-----	-	1	-	-	35	-	-	2	5	-	-	-
WEST NORTH CENTRAL-----	-	4	-	-	34	1	1	28	29	-	23	8
Minnesota-----	-	1	-	-	1	-	-	5	1	-	8	3
Iowa-----	-	-	-	-	12	-	-	1	5	-	7	1
Missouri-----	-	3	-	-	3	1	-	16	17	-	5	4
North Dakota-----	-	-	-	-	9	-	-	-	1	-	-	-
South Dakota-----	-	-	-	-	-	-	1	3	2	-	2	-
Nebraska-----	-	-	-	-	-	-	-	1	2	-	1	-
Kansas-----	-	-	-	-	9	-	-	2	1	-	-	-
SOUTH ATLANTIC-----	-	-	4	-	216	4	4	82	81	-	4	5
Delaware-----	-	-	-	-	-	-	-	1	1	-	-	-
Maryland-----	-	-	1	-	2	1	2	2	3	-	-	-
District of Columbia-----	-	-	-	-	-	-	-	9	6	-	-	-
Virginia-----	-	-	-	-	79	1	1	9	18	-	-	1
West Virginia-----	-	-	-	-	43	-	1	9	6	-	1	4
North Carolina-----	-	-	2	-	5	-	-	13	8	-	-	-
South Carolina-----	-	-	-	-	18	1	-	6	10	-	-	-
Georgia-----	-	-	-	-	-	-	-	23	20	-	-	-
Florida-----	-	-	1	-	69	1	-	10	9	-	3	-
EAST SOUTH CENTRAL-----	-	3	-	-	680	-	5	49	68	-	4	5
Kentucky-----	-	3	-	-	8	-	1	8	14	-	4	1
Tennessee-----	-	-	-	-	593	-	2	34	37	-	-	3
Alabama-----	-	-	-	-	2	-	2	6	12	-	-	1
Mississippi-----	-	-	-	-	77	-	-	1	5	-	-	-
WEST SOUTH CENTRAL-----	-	1	2	-	614	6	1	117	158	-	16	9
Arkansas-----	-	-	1	-	-	1	1	18	37	-	4	3
Louisiana-----	-	-	-	-	2	1	-	14	53	-	1	-
Oklahoma-----	-	-	1	-	3	-	-	11	10	-	-	-
Texas-----	-	1	-	-	609	4	-	74	58	-	11	6
MOUNTAIN-----	-	6	-	-	582	1	2	45	29	-	-	-
Montana-----	-	-	-	-	5	-	1	14	8	-	-	-
Idaho-----	-	-	-	-	37	-	-	1	2	-	-	-
Wyoming-----	-	-	-	-	1	-	-	3	4	-	-	-
Colorado-----	-	6	-	-	195	-	-	6	-	-	-	-
New Mexico-----	-	-	-	-	139	1	-	9	7	-	-	-
Arizona-----	-	-	-	-	114	-	1	6	7	-	-	-
Utah-----	-	-	-	-	88	-	-	2	1	-	-	-
Nevada-----	-	-	-	-	3	-	-	4	-	-	-	-
PACIFIC-----	-	3	3	-	247	1	-	48	43	-	3	3
Washington-----	-	-	-	-	37	-	-	7	4	-	-	-
Oregon-----	-	1	-	-	9	-	-	-	7	-	-	-
California-----	-	2	3	-	154	1	-	41	32	-	3	3
Alaska-----	-	-	-	-	47	-	-	-	-	-	-	-
Hawaii-----	-	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico-----	-	-	-	-	2	-	1	16	17	-	-	-



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	35th week ended Sept. 2, 1961	34th week ended August 26, 1961	Adjusted average, 35th week 1956-60	Percent change, adjusted average to current week	Cumulative, first 35 weeks		
					1961	1960	Percent change
TOTAL, 117 REPORTING CITIES-----	11,074	10,517	10,312	+7.4	402,711	406,878	-1.0
New England----- (14 cities)	665	601	609	+9.2	24,693	25,436	-2.9
Middle Atlantic----- (20 cities)	3,083*	2,963	2,798	+10.2	114,836	112,769	+1.8
East North Central----- (21 cities)	2,435	2,191	2,223	+9.5	85,974	87,852	-2.1
West North Central----- (9 cities)	737	761	735	+0.3	27,419	28,322	-3.2
South Atlantic----- (11 cities)	908	908	868	+4.6	34,771	35,052	-0.8
East South Central----- (8 cities)	521	480	472	+10.4	18,247	18,444	-1.1
West South Central----- (13 cities)	1,041	922	956	+8.9	34,437	35,817	-3.9
Mountain----- (8 cities)	376	337	326	+15.3	12,862	12,705	+1.2
Pacific----- (13 cities)	1,308*	1,354	1,325	-1.3	49,472	50,481	-2.0

*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	35th week ended Sept. 2, 1961	34th week ended Aug. 26, 1961	Cumulative, first 34 weeks		Area	35th week ended Sept. 2, 1961	34th week ended Aug. 26, 1961	Cumulative, first 34 weeks	
			1961	1960				1961	1960
NEW ENGLAND:					WEST NORTH CENTRAL—Con.:				
Boston, Mass.-----	231	196	8,458	8,862	St. Louis, Mo.-----	200	252	8,276	8,696
Bridgeport, Conn.-----	40	31	1,344	1,440	St. Paul, Minn.-----	67	57	2,310	2,464
Cambridge, Mass.-----	35	18	1,014	1,101	Wichita, Kans.-----	54	32	1,616	1,622
Fall River, Mass.-----	21	20	943	1,002	SOUTH ATLANTIC:				
Hartford, Conn.-----	44	45	1,678	1,702	Atlanta, Ga.-----	103	111	3,977	4,174
Lowell, Mass.-----	26	28	863	849	Baltimore, Md.-----	240	227	8,683	8,891
Lynn, Mass.-----	16	14	754	848	Charlotte, N.C.-----	27	40	1,244	1,386
New Bedford, Mass.-----	24	22	921	862	Jacksonville, Fla.-----	65	47	2,007	2,139
New Haven, Conn.-----	41	52	1,621	1,592	Miami, Fla.-----	60	85	2,682	2,599
Providence, R.I.-----	68	55	2,182	2,242	Norfolk, Va.-----	44	45	1,765	1,438
Somerville, Mass.-----	9	12	467	473	Richmond, Va.-----	68	71	2,757	2,754
Springfield, Mass.-----	34	31	1,569	1,612	Savannah, Ga.-----	26	34	1,136	1,217
Waterbury, Conn.-----	25	18	950	969	St. Petersburg, Fla.-----	(45)	(64)	(2,432)	(2,539)
Worcester, Mass.-----	51	59	1,929	1,882	Tampa, Fla.-----	73	40	2,369	2,328
MIDDLE ATLANTIC:					Washington, D.C.-----	164	173	6,759	6,802
Albany, N.Y.-----	43*	40	1,615	1,547	Wilmington, Del.-----	38	35	1,392	1,324
Allentown, Pa.-----	29	30	1,199	1,224	EAST SOUTH CENTRAL:				
Buffalo, N.Y.-----	120	143	5,191	5,157	Birmingham, Ala.-----	78	91	3,023	3,006
Camden, N.J.-----	33	39	1,499	1,501	Chattanooga, Tenn.-----	43	35	1,645	1,641
Elizabeth, N.J.-----	23	37	1,005	1,040	Knoxville, Tenn.-----	18	26	963	1,012
Erie, Pa.-----	38	38	1,388	1,376	Louisville, Ky.-----	164	61	4,052	4,021
Jersey City, N.J.-----	51	83	2,464	2,472	Memphis, Tenn.-----	96	109	3,993	3,970
Newark, N.J.-----	93	88	3,564	3,389	Mobile, Ala.-----	38	46	1,412	1,440
New York City, N.Y.-----	1,523	1,399	58,386	57,287	Montgomery, Ala.-----	27	39	1,101	1,226
Paterson, N.J.-----	49	33	1,372	1,348	Nashville, Tenn.-----	57	73	2,058	2,128
Philadelphia, Pa.-----	550	498	18,200	17,388	WEST SOUTH CENTRAL:				
Pittsburgh, Pa.-----	199	207	6,741	6,837	Austin, Tex.-----	47	22	1,193	1,226
Reading, Pa.-----	18	22	819	832	Baton Rouge, La.-----	19	25	965	989
Rochester, N.Y.-----	89	91	3,506	3,515	Corpus Christi, Tex.-----	23	19	780	859
Schenectady, N.Y.-----	22	17	841	846	Dallas, Tex.-----	151	118	4,364	4,430
Scranton, Pa.-----	38	30	1,246	1,317	El Paso, Tex.-----	36	30	1,237	1,361
Syracuse, N.Y.-----	58	66	2,132	2,168	Fort Worth, Tex.-----	69	46	2,243	2,382
Trenton, N.J.-----	43	56	1,582	1,476	Houston, Tex.-----	204	147	5,824	5,974
Utica, N.Y.-----	34	21	995	971	Little Rock, Ark.-----	61	72	1,969	2,034
Yonkers, N.Y.-----	30	25	1,091	1,078	New Orleans, La.-----	158	165	5,900	6,420
EAST NORTH CENTRAL:					Oklahoma City, Okla.-----	62	77	2,632	2,651
Akron, Ohio-----	58	37	1,988	1,992	San Antonio, Tex.-----	110	103	3,609	3,609
Canton, Ohio-----	33	31	1,079	1,224	Shreveport, La.-----	47	51	1,792	1,914
Chicago, Ill.-----	800	642	26,070	27,131	Tulsa, Okla.-----	54	47	1,929	1,968
Cincinnati, Ohio-----	142	145	5,486	5,505	MOUNTAIN:				
Cleveland, Ohio-----	169	189	7,137	7,460	Albuquerque, N. Mex.-----	30	42	1,110	1,094
Columbus, Ohio-----	107	104	3,983	4,127	Colorado Springs, Colo.-----	13	18	562	582
Dayton, Ohio-----	83	77	2,826	2,589	Denver, Colo.-----	145	94	4,035	4,195
Detroit, Mich.-----	305	310	11,710	12,061	Ogden, Utah-----	23	15	591	579
Evansville, Ind.-----	36	36	1,269	1,261	Phoenix, Ariz.-----	70	66	2,899	2,723
Flint, Mich.-----	42	37	1,504	1,409	Pueblo, Colo.-----	19	16	590	575
Fort Wayne, Ind.-----	48	38	1,352	1,312	Salt Lake City, Utah-----	38	47	1,716	1,726
Gary, Ind.-----	36	31	1,073	1,117	Tucson, Ariz.-----	38	39	1,359	1,231
Grand Rapids, Mich.-----	33	36	1,574	1,464	PACIFIC:				
Indianapolis, Ind.-----	146	111	5,013	5,165	Berkeley, Calif.-----	21	12	600	594
Madison, Wis.-----	36	33	1,145	1,116	Fresno, Calif.-----	(41)	(28)	(1,552)	(1,597)
Milwaukee, Wis.-----	123	113	4,313	4,364	Glendale, Calif.-----	(36)	(39)	(1,179)	(1,372)
Peoria, Ill.-----	27	28	988	1,040	Honolulu, Hawaii-----	38*	30	1,403	1,452
Rockford, Ill.-----	29	30	997	1,016	Long Beach, Calif.-----	52	59	1,924	1,934
South Bend, Ind.-----	26	21	999	1,000	Los Angeles, Calif.-----	497	519	17,546	17,880
Toledo, Ohio-----	94	89	3,442	3,540	Oakland, Calif.-----	89	91	3,395	3,369
Youngstown, Ohio-----	62	53	2,026	1,959	Pasadena, Calif.-----	30	37	1,162	1,202
WEST NORTH CENTRAL:					Portland, Oreg.-----	86	101	3,740	3,883
Des Moines, Iowa-----	58	44	1,870	1,945	Sacramento, Calif.-----	56	56	2,189	2,042
Duluth, Minn.-----	25	23	909	885	San Diego, Calif.-----	91	77	3,085	3,184
Kansas City, Kans.-----	32	25	1,314	1,211	San Francisco, Calif.-----	163	174	6,869	6,989
Kansas City, Mo.-----	131	130	4,498	4,518	San Jose, Calif.-----	(25)	(33)	(1,228)	(1,240)
Lincoln, Nebr.-----	(15)	(21)	(960)	(918)	Seattle, Wash.-----	105	122	4,575	4,845
Minneapolis, Minn.-----	102	113	4,182	4,366	Spokane, Wash.-----	49	39	1,629	1,660
Omaha, Nebr.-----	68	85	2,444	2,615	Tacoma, Wash.-----	31	37	1,355	1,447
					San Juan, P. R.-----	(27)	(18)	(1,177)	(1,240)

*Estimate - based on average percentage of divisional total.

() Figures shown in parenthesis are from cities which have

*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.

by fever, malaise, headache, stiff or tender neck, nausea, and myalgia. There was no associated pleurodynia or rash. None of the cases was fatal. Many illnesses were observed in family contacts of the aseptic meningitis cases. The Communicable Disease Center Laboratory in Kansas City isolated Coxsackie B₃ from the outbreak. The age distribution of the 25 cases of aseptic meningitis and 19 minor illnesses among family contacts is shown below:

0-14 years:	24
15-29	7
30-44	6
45 plus	7

(Reported by Mr. Kenneth Mosser, Director of Division of Preventable Diseases, North Dakota State Health Department and a team from the Kansas City Field Station of the Communicable Disease Center).

Hepatitis in Zoo Employees—Florida

An outbreak of 6 cases of infectious hepatitis among 37 employees at the Crandon Park Zoo, Miami, Florida, has been reported. A baby chimpanzee is the possible common source of infection.

All 6 of the following reported cases have had close contact with the chimpanzee. The 4 girls were summer employees responsible for its daily care, feeding and for laundering its soiled diapers. The 2 men are regular employees responsible for the cleaning of its quarters.

CASES OF INFECTIOUS HEPATITIS IN ZOO EMPLOYEES

DATE OF ONSET	AGE	SEX	RACE
8/7/61	19	F	W
8/7/61	18	F	W
8/7/61	16	F	W
8/17/61	17	F	W
8/17/61	28	M	W
8/23/61	23	M	W

The chimpanzee arrived in Miami from Liberia on June 15, 1961, and was received by the Zoo on July 6, 1961. The only illness the animal was reported to have had was a mild upper respiratory infection about the middle of July.

Blood and stool specimens are being collected from the patients for laboratory confirmation of the diagnosis, and virus isolation will be attempted. The chimpanzee was transferred to the Yerkes Laboratories of Primate Biology, Orange Park, Florida, for laboratory studies and possible virus isolation.

(Report submitted by L. B. Clayton, M.D., M.P.H., Director, Division of Research, Dade County Department of Public Health, Miami, Florida and W. R. Stinger, M.D., M.P.H., Director, Division of Epidemiology, Dade County Department of Public Health, Miami, Florida).

QUARANTINE MEASURES

Immunization Information for International Travel

No Changes Reported

FOR SOURCE AND NATURE OF MORBIDITY DATA SEE
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