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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

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Atlanta 22, Georgia

Vol. 10, No. 43

Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended October 28, 1961

Poliomyelitis - There has been a slight decrease in the number of poliomyelitis cases reported during the current week ending October 28. A total of 51 cases, 37 paralytic, was reported. During the previous week, a total of 59 cases, including 39 paralytic, was reported.

The low 1961 incidence through the current week is compared below with the corresponding time period in the past four years.

Polio (Cumulated Weekly) Through the 43rd Week For Past Five Years					
	1961	1960	1959	1958	1957
Paralytic	727	1932	4908	2460	1911
Total	1129	2798	7491	4998	5497

Only New York, Pennsylvania, California, and Maryland reported as many as 3 paralytic cases during the current week.

The 10 paralytic cases in New York were from 9 different counties. Two of the 10 cases were from the Syracuse area, one a delayed report and the other with onset on October 11. (The case on October 11 is the only paralytic case which has occurred during October.) There have now been 79 paralytic cases reported this year from Onondaga (Syracuse), Madison, and Oneida Counties.

In Pennsylvania, 3 of the 5 paralytic cases were from Erie County. This brings the total number of paralytic cases which have occurred in Erie County to 10. Eight of

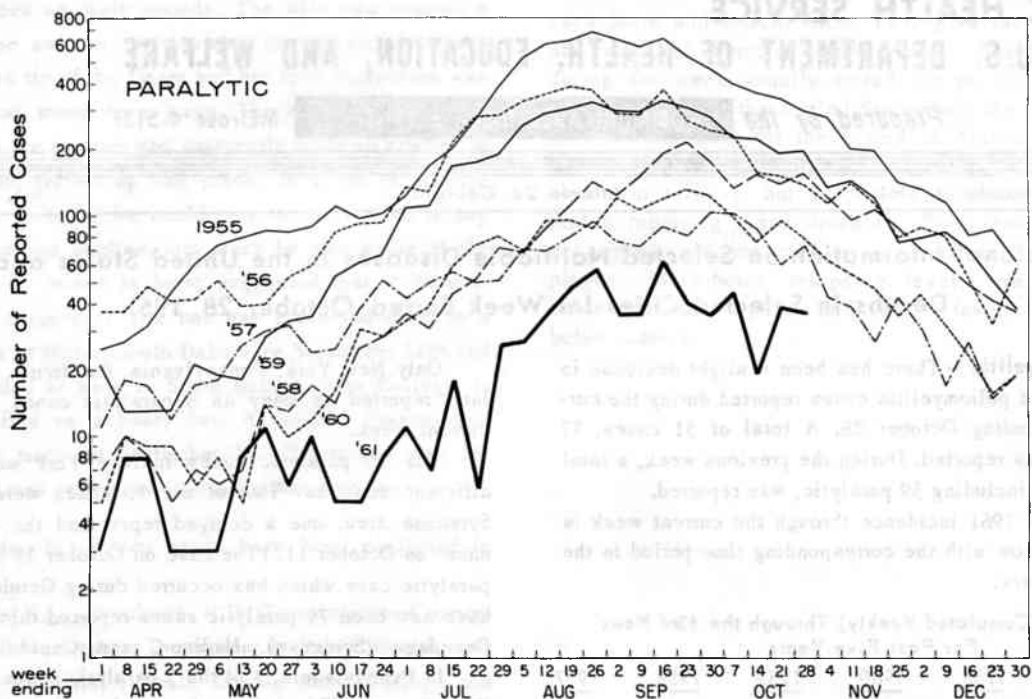
Table 1. Cases of Specified Notifiable Diseases, United States

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

Disease (Seventh Revision of International Lists, 1955)	43rd Week			Cumulative						Approximate seasonal low point
	Ended Oct. 28, 1961	Ended Oct. 29, 1960	Median 1956-60	First 43 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	-	-	*	6	15	*	*	*	*	*
Betulism-----049.1	-	-	*	5	10	*	*	*	*	*
Brucellosis (undulant fever)-----044	6	9	11	490	657	672	*	*	*	*
Diphtheria-----055	20	24	38	470	575	674	161	230	277	July 1
Encephalitis, infectious-----082	49	42	57	1,394	1,599	1,782	1,394	1,599	1,782	Jan. 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	1,121	863	357	61,881	32,122	16,337	9,063	6,504	2,300	Sept. 1
Malaria-----110-117	4	1	*	50	60	*	*	*	*	*
Measles-----085	1,536	1,504	1,504	393,066	407,657	455,131	7,438	7,733	8,379	Sept. 1
Meningitis, aseptic-----340 pt.	82	100	---	2,721	2,574	---	2,721	2,574	---	Jan. 1
Meningococcal infections-----057	36	47	47	1,769	1,828	2,029	254	291	301	Sept. 1
Poliomyelitis-----080	51	118	252	1,129	2,798	5,485	1,026	2,589	4,957	Apr. 1
Paralytic-----080.0,080.1	37	82	158	727	1,932	1,901	667	1,770	1,626	Apr. 1
Nonparalytic-----080.2	13	18	65	270	578	2,703	245	554	2,542	Apr. 1
Unspecified-----080.3	1	18	29	132	288	881	114	265	789	Apr. 1
Psittacosis-----096.2	-	2	*	54	84	*	*	*	*	*
Rabies in man-----094	-	-	*	3	2	*	*	*	*	*
Streptococcal sore throat, including scarlet fever-----050,051	4,844	4,926	---	263,660	255,067	---	44,449	---	---	Aug. 1
Typhoid fever-----040	25	26	25	682	704	887	568	573	707	Apr. 1
Typhus fever, endemic-----101	1	1	*	37	56	*	*	*	*	*
Rabies in animals-----	45	45	65	2,878	2,933	3,653	244	162	253	Oct. 1

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CURRENT U. S. POLIO INCIDENCE
Compared With Years 1955-1960, April-December, by week



the 10 cases had onset between September 19 and October 7. One case occurred in August and the most recent case had onset on October 18. Of the 10 cases, 7 were unvaccinated; 2 had 3 doses of vaccine as shown below. There have been 4 Type I isolations from these cases.

ERIE COUNTY, PENNSYLVANIA

Age Group	Vaccination History			Total
	0	1-2	3	
0 - 4	3	0	1	4
5 - 9	3	0	1	4
10-19	1	1	0	2
Total	7	1	2	10

The 4 paralytic cases in California were from 4 different communities in Los Angeles County. There is no evidence of concentration; 26 paralytic cases have occurred in Los Angeles County this year as compared to 176 during the corresponding period last year.

The 3 paralytic cases in Maryland were from three different counties.

Hepatitis - There were 1121 cases of hepatitis reported for the week ending October 28. This is a slight drop from the 1191 cases reported the week before. The number of hepatitis cases reported weekly continues to remain approximately the same as it has been since July.

EPIDEMIOLOGICAL REPORTS

Relapsing Fever - California

A report of relapsing fever in a 12 year old boy has recently been received from California. The boy, a diabetic, was spending the summer vacation with his parents at a park in Northern California. The boy first became ill following a hike on July 9 when he developed headache and fever to 106° F. He was hospitalized because of diabetic acidosis and a suspected viral infection. He did not receive any medications at this time. He improved and was discharged. The father called his private physician on July 20 to say that the boy was sick again after a hike with a fever of 105° and headache. He improved at home with bed rest. He was seen later in the physician's office and nothing remarkable was found. He was seen again by his physician after another recurrence of fever which began on August 11 again nothing remarkable was found. A similar episode of less severity occurred on August 22 and another on September 4. It was noted that the peak temperature during these latter recurrences of fever was less than during the original episodes.

The boy's father happened to mention the fever in a conversation with a forest ranger who had been in the same park 20 years before during a small epidemic of relapsing fever. At that time, investigators from the University of California Hospital came to the area and identi-

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED OCTOBER 29, 1960 AND OCTOBER 28, 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 (undul- ant fever) 044
	Total (Includes cases not specified by type)				Paralytic 080.0,080.1				Nonparalytic			
	43rd Week		Cumulative, first 43 weeks		43rd Week		Cumulative, first 43 weeks		080.2			
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960		
UNITED STATES-----	51	118	1,129	2,798	37	82	727	1,932	13	18	82	6
NEW ENGLAND-----	1	7	29	214	-	5	19	167	1	2	5	-
Maine-----	-	5	3	43	-	4	3	42	-	1	-	-
New Hampshire-----	1	-	2	-	-	-	-	-	1	-	-	-
Vermont-----	-	-	5	7	-	-	4	2	-	-	-	-
Massachusetts-----	-	-	13	29	-	-	8	19	-	-	4	-
Rhode Island-----	-	2	1	101	-	1	1	77	-	1	1	-
Connecticut-----	-	-	5	34	-	-	3	27	-	-	-	-
MIDDLE ATLANTIC-----	19	23	301	414	15	17	201	292	3	5	7	-
New York-----	14	11	218	229	10	8	141	150	3	2	5	-
New Jersey-----	-	4	34	79	-	3	27	58	-	1	-	-
Pennsylvania-----	5	8	49	106	5	6	33	84	-	2	2	-
EAST NORTH CENTRAL-----	10	23	145	476	5	14	88	287	5	3	30	-
Ohio-----	1	5	42	111	-	2	19	57	1	-	1	-
Indiana-----	1	8	17	110	1	6	10	81	-	-	-	-
Illinois-----	5	2	30	133	1	-	13	88	4	2	7	-
Michigan-----	1	5	27	88	1	4	23	50	-	1	22	-
Wisconsin-----	2	3	29	34	2	2	23	11	-	-	-	-
WEST NORTH CENTRAL-----	5	7	68	161	2	6	30	93	3	1	6	5
Minnesota-----	-	3	6	52	-	2	6	43	-	1	5	-
Iowa-----	-	-	18	21	-	-	9	4	-	-	-	2
Missouri-----	2	4	22	36	-	4	6	26	2	-	-	-
North Dakota-----	1	-	4	14	1	-	1	5	-	-	-	-
South Dakota-----	-	-	1	4	-	-	-	1	-	-	-	1
Nebraska-----	-	-	8	15	-	-	4	8	-	-	-	-
Kansas-----	2	-	9	19	1	-	4	6	1	-	1	2
SOUTH ATLANTIC-----	7	22	192	506	7	20	142	400	-	2	2	-
Delaware-----	-	-	2	-	-	-	1	-	-	-	-	-
Maryland-----	3	7	31	133	3	5	30	120	-	-	-	-
District of Columbia-----	-	3	3	5	-	3	3	5	-	2	1	-
Virginia-----	-	3	10	34	-	3	8	31	-	-	-	-
West Virginia-----	1	4	30	50	1	4	20	42	-	-	-	-
North Carolina-----	-	1	21	81	-	1	11	61	-	-	-	-
South Carolina-----	1	1	33	124	1	1	25	82	-	-	-	-
Georgia-----	2	1	30	19	2	1	23	17	-	-	-	-
Florida-----	-	2	32	60	-	2	21	42	-	-	1	-
EAST SOUTH CENTRAL-----	1	16	75	226	1	7	43	92	-	2	2	1
Kentucky-----	-	7	27	124	-	-	5	5	-	-	-	1
Tennessee-----	-	3	17	43	-	1	8	28	-	2	-	-
Alabama-----	-	-	9	21	-	-	9	21	-	-	1	-
Mississippi-----	1	6	22	38	1	6	21	38	-	-	1	-
WEST SOUTH CENTRAL-----	2	5	140	259	1	3	75	160	1	2	5	-
Arkansas-----	1	2	18	30	1	2	8	22	-	-	-	-
Louisiana-----	1	-	49	47	-	-	38	28	1	-	-	-
Oklahoma-----	-	-	4	16	-	-	-	11	-	-	4	-
Texas-----	-	3	69	166	-	1	29	99	-	2	1	-
MOUNTAIN-----	-	4	44	77	-	-	25	38	-	-	2	-
Montana-----	-	2	4	20	-	-	2	14	-	-	-	-
Idaho-----	-	1	14	8	-	-	6	1	-	-	-	-
Wyoming-----	-	-	-	19	-	-	-	1	-	-	-	-
Colorado-----	-	-	7	15	-	-	7	14	-	-	-	-
New Mexico-----	-	-	3	5	-	-	-	2	-	-	2	-
Arizona-----	-	-	8	4	-	-	6	4	-	-	-	-
Utah-----	-	1	8	6	-	-	4	2	-	-	-	-
Nevada-----	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC-----	6	11	135	465	6	10	104	403	-	1	23	-
Washington-----	2	1	23	32	2	1	15	32	-	-	2	-
Oregon-----	-	1	16	33	-	-	8	18	-	1	-	-
California-----	4	9	92	391	4	9	77	344	-	-	21	-
Alaska-----	-	-	-	2	-	-	-	2	-	-	-	-
Hawaii-----	-	-	4	7	-	-	4	7	-	-	-	-
Puerto Rico-----	-	8	6	480	-	7	6	472	-	-	1	-

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED OCTOBER 29, 1960 AND OCTOBER 28, 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	
	43rd Week		Cumulative, first 43 weeks		082		43rd Week		Cumulative, first 43 weeks		085	
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960
UNITED STATES-----	20	24	470	575	49	42	1,121	863	61,881	32,122	1,536	1,504
NEW ENGLAND-----	1	-	8	11	-	-	57	25	1,959	938	234	156
Maine-----	-	-	-	2	-	-	4	2	133	58	104	5
New Hampshire-----	-	-	-	-	-	-	4	-	174	27	2	3
Vermont-----	-	-	-	-	-	-	2	-	186	13	11	16
Massachusetts-----	1	-	7	8	-	-	34	14	807	467	102	110
Rhode Island-----	-	-	-	1	-	-	7	4	223	183	-	6
Connecticut-----	-	-	1	-	-	-	6	5	436	190	15	16
MIDDLE ATLANTIC-----	-	-	20	13	17	8	161	122	8,442	3,927	144	254
New York-----	-	-	7	3	12	1	92	54	3,621	2,152	76	157
New Jersey-----	-	-	-	2	-	3	26	13	1,988	272	29	42
Pennsylvania-----	-	-	13	8	5	4	43	55	2,833	1,503	39	55
EAST NORTH CENTRAL-----	1	1	16	39	8	9	237	148	12,309	5,736	275	389
Ohio-----	-	-	1	16	3	1	82	52	4,109	1,951	31	96
Indiana-----	1	1	2	6	-	6	22	17	1,833	648	30	41
Illinois-----	-	-	10	6	5	-	69	29	2,240	1,234	105	31
Michigan-----	-	-	3	9	-	2	58	46	3,813	1,697	49	95
Wisconsin-----	-	-	-	2	-	-	6	4	314	206	60	126
WEST NORTH CENTRAL-----	2	5	42	41	1	2	100	54	5,912	2,271	31	103
Minnesota-----	2	2	26	19	-	-	38	17	1,319	337	5	-
Iowa-----	-	-	2	7	-	-	34	12	1,742	370	9	23
Missouri-----	-	-	1	2	-	-	6	13	1,305	792	3	15
North Dakota-----	-	1	4	2	-	2	1	1	127	163	13	63
South Dakota-----	-	2	7	8	-	-	7	1	185	139	1	-
Nebraska-----	-	-	2	1	-	-	4	4	588	232	-	2
Kansas-----	-	-	-	2	1	-	10	6	646	238	NN	NN
SOUTH ATLANTIC-----	6	4	111	182	7	4	146	96	7,807	3,737	125	155
Delaware-----	-	-	-	-	-	-	1	5	176	223	2	22
Maryland-----	-	-	1	1	1	-	4	8	685	371	13	7
District of Columbia-----	-	-	2	-	-	-	2	5	115	47	4	-
Virginia-----	-	3	15	32	1	-	34	10	1,265	684	15	71
West Virginia-----	-	-	1	4	-	-	9	16	1,394	691	72	13
North Carolina-----	2	1	11	11	-	1	63	11	1,774	343	2	29
South Carolina-----	-	-	10	46	1	1	12	17	415	129	2	2
Georgia-----	-	-	31	33	-	-	6	1	690	240	6	2
Florida-----	4	-	40	55	4	2	15	23	1,293	1,009	9	9
EAST SOUTH CENTRAL-----	-	5	37	61	-	9	130	111	9,273	4,552	74	59
Kentucky-----	-	2	9	4	-	3	26	28	2,724	1,632	16	24
Tennessee-----	-	-	3	7	-	1	52	67	3,628	1,507	54	33
Alabama-----	-	-	19	27	-	1	25	16	1,605	992	1	1
Mississippi-----	-	3	6	23	-	4	27	-	1,316	421	3	1
WEST SOUTH CENTRAL-----	8	9	216	192	3	-	74	59	4,492	2,519	174	57
Arkansas-----	-	-	4	14	-	-	20	7	879	164	2	-
Louisiana-----	-	6	26	46	-	-	3	7	482	147	3	-
Oklahoma-----	1	-	9	18	-	-	8	13	303	304	12	-
Texas-----	7	3	177	114	3	-	43	32	2,828	1,904	157	57
MOUNTAIN-----	2	-	12	35	2	-	51	75	3,657	2,507	179	79
Montana-----	-	-	2	3	1	-	3	7	314	128	-	18
Idaho-----	-	-	-	11	-	-	3	9	273	277	140	6
Wyoming-----	-	-	-	5	-	-	2	3	150	29	-	-
Colorado-----	-	-	4	3	-	-	14	26	1,234	920	7	14
New Mexico-----	2	-	5	4	-	-	4	3	402	284	NN	-
Arizona-----	-	-	-	3	-	-	19	19	592	558	14	23
Utah-----	-	-	-	6	1	-	6	8	569	231	18	18
Nevada-----	-	-	1	-	-	-	-	-	123	80	-	-
PACIFIC-----	-	-	8	1	11	10	165	173	8,030	5,935	300	252
Washington-----	-	-	2	-	-	1	15	47	913	726	152	124
Oregon-----	-	-	-	-	1	1	37	19	1,258	960	23	56
California-----	-	-	2	-	10	8	103	104	5,423	3,981	81	67
Alaska-----	-	-	4	1	-	-	10	3	375	191	43	-
Hawaii-----	-	-	-	-	-	-	-	-	61	77	1	5
Puerto Rico-----	1	2	53	120	-	-	35	10	847	639	68	30

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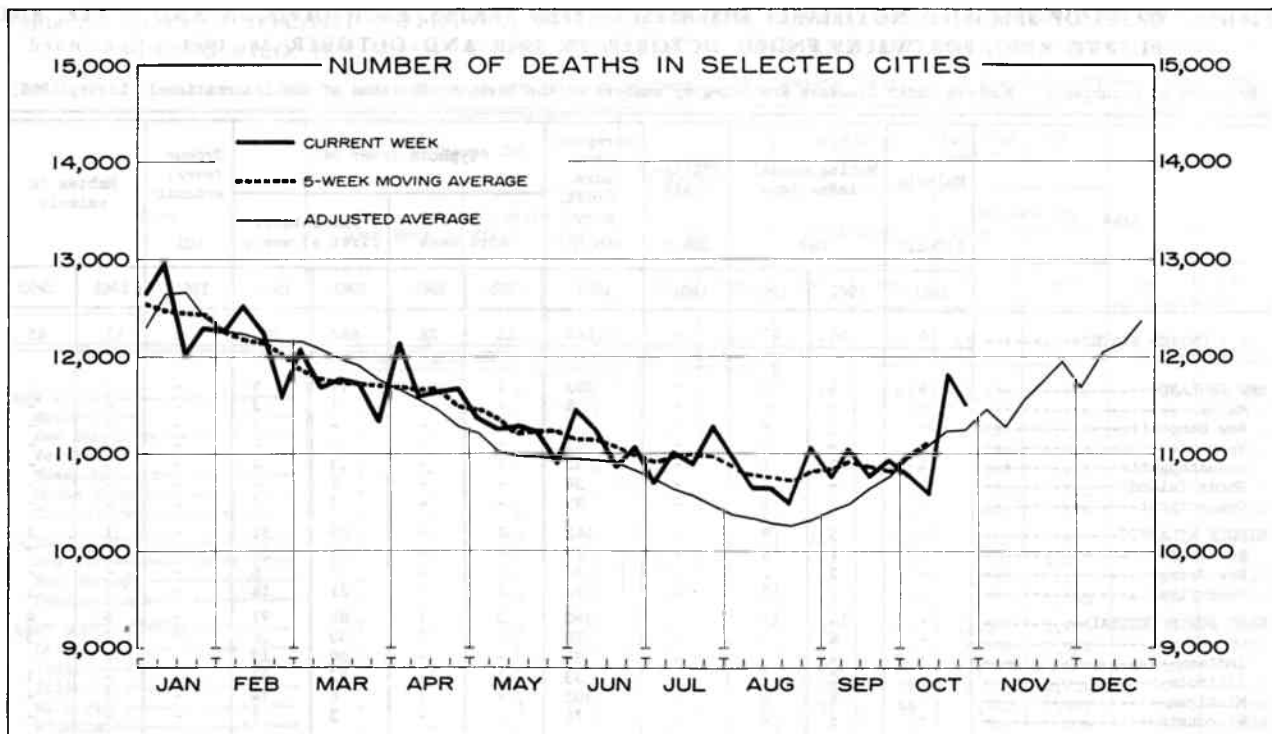
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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED OCTOBER 29, 1960 AND OCTOBER 28, 1961 - Continued

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

Area	Malaria		Meningococcal infections		Paikka-cosis	Strepto-coccal sore throat, etc.	Typhoid fever 040				Typhus fever, endemic	Rabies in animals	
	110-117		057		096.2	050,051	43rd Week		Cumulative, first 43 weeks		101		
	1961	1960	1961	1960	1961	1961	1961	1960	1961	1960	1961	1961	1960
UNITED STATES-----	4		36	47	-	4,844	25	26	682	704	1	45	45
NEW ENGLAND-----	4		4	3	-	203	1	-	19	9	-	-	-
Maine-----	-		-	-	-	4	-	-	1	2	-	-	-
New Hampshire-----	-		-	-	-	2	-	-	-	-	-	-	-
Vermont-----	-		-	-	-	13	-	-	-	-	-	-	-
Massachusetts-----	4		2	1	-	55	1	-	13	4	-	-	-
Rhode Island-----	-		-	1	-	34	-	-	2	-	-	-	-
Connecticut-----	-		2	1	-	95	-	-	3	3	-	-	-
MIDDLE ATLANTIC-----	-		5	9	-	142	2	4	83	51	-	1	8
New York-----	-		1	4	-	79	-	-	45	31	-	1	7
New Jersey-----	-		2	2	-	35	-	4	17	6	-	-	-
Pennsylvania-----	-		2	3	-	28	2	-	21	14	-	-	1
EAST NORTH CENTRAL-----	-		14	14	-	380	3	1	86	91	-	6	4
Ohio-----	-		6	3	-	70	2	1	30	26	-	2	3
Indiana-----	-		-	1	-	81	-	-	20	23	-	2	-
Illinois-----	-		2	4	-	53	1	-	27	21	-	-	1
Michigan-----	-		6	4	-	102	-	1	6	14	-	2	-
Wisconsin-----	-		-	2	-	74	-	-	3	7	-	-	-
WEST NORTH CENTRAL-----	-		3	2	-	191	-	4	33	41	-	12	6
Minnesota-----	-		1	-	-	18	-	-	5	1	-	3	2
Iowa-----	-		-	1	-	45	-	3	2	9	-	3	4
Missouri-----	-		-	1	-	23	-	-	20	22	-	3	-
North Dakota-----	-		-	-	-	49	-	-	-	1	-	-	-
South Dakota-----	-		1	-	-	2	-	-	3	3	-	3	-
Nebraska-----	-		1	-	-	-	-	1	1	3	-	-	-
Kansas-----	-		-	-	-	54	-	-	2	2	-	-	-
SOUTH ATLANTIC-----	-		2	10	-	388	3	3	111	106	-	4	5
Delaware-----	-		2	-	-	2	-	-	1	1	-	-	-
Maryland-----	-		-	2	-	23	-	-	2	5	-	-	-
District of Columbia-----	-		-	1	-	2	1	-	11	8	-	-	-
Virginia-----	-		-	2	-	86	1	-	19	23	-	1	1
West Virginia-----	-		-	1	-	119	1	-	10	10	-	2	2
North Carolina-----	-		-	1	-	36	-	1	14	9	-	-	-
South Carolina-----	-		-	2	-	28	-	-	8	12	-	-	-
Georgia-----	-		-	1	-	5	-	2	34	26	-	-	1
Florida-----	-		-	-	-	87	-	-	12	12	-	1	1
EAST SOUTH CENTRAL-----	-		1	2	-	800	3	1	77	103	1	5	2
Kentucky-----	-		1	-	-	20	-	1	18	24	-	1	-
Tennessee-----	-		-	1	-	735	3	-	47	55	-	3	2
Alabama-----	-		-	-	-	12	-	-	10	19	1	1	-
Mississippi-----	-		-	1	-	33	-	-	2	5	-	-	-
WEST SOUTH CENTRAL-----	-		2	2	-	619	4	8	146	196	-	12	10
Arkansas-----	-		-	1	-	-	1	4	29	50	-	1	3
Louisiana-----	-		1	1	-	2	1	1	22	58	-	-	-
Oklahoma-----	-		-	-	-	2	-	-	12	12	-	1	-
Texas-----	-		1	-	-	615	2	3	83	76	-	10	7
MOUNTAIN-----	-		1	2	-	1,083	3	2	59	40	-	-	7
Montana-----	-		-	-	-	42	1	-	18	11	-	-	-
Idaho-----	-		-	-	-	55	-	-	1	3	-	-	-
Wyoming-----	-		-	-	-	52	-	-	3	4	-	-	-
Colorado-----	-		-	2	-	374	1	-	7	1	-	-	7
New Mexico-----	-		-	-	-	274	-	1	16	10	-	-	-
Arizona-----	-		-	-	-	194	1	-	8	9	-	-	-
Utah-----	-		-	-	-	92	-	1	2	2	-	-	-
Nevada-----	-		1	-	-	-	-	-	4	-	-	-	-
PACIFIC-----	-		4	3	-	1,038	6	3	68	67	-	5	3
Washington-----	-		-	1	-	319	-	-	7	5	-	-	-
Oregon-----	-		-	-	-	35	-	-	1	8	-	-	-
California-----	-		3	2	-	604	5	3	59	53	-	5	3
Alaska-----	-		1	-	-	34	-	-	-	1	-	-	-
Hawaii-----	-		-	-	-	46	1	-	1	-	-	-	-
Puerto Rico-----	-		-	-	-	5	-	-	18	19	-	-	1

Morbidity and Mortality Weekly Report



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	43rd week ended Oct. 28, 1961	42nd week ended Oct. 21, 1961	Adjusted average, 43rd week 1956-60	Percent change, adjusted average to current week	Cumulative, first 43 weeks		
					1961	1960	Percent change
TOTAL, 117 REPORTING CITIES -----	11,508	11,866	11,246	+2.3	490,955	493,755	-0.6
New England----- (14 cities)	745	680	677	+10.0	30,138	31,007	-2.8
Middle Atlantic----- (20 cities)	3,196	3,367	3,081	+3.7	139,683	137,210	+1.8
East North Central----- (21 cities)	2,434	2,471	2,406	+1.2	104,893	106,792	-1.8
West North Central----- (9 cities)	744	828	826	-9.9	33,448	34,369	-2.7
South Atlantic----- (11 cities)	1,033*	1,075	957	+7.9	42,499	42,300	+0.5
East South Central----- (8 cities)	521	519	507	+2.8	22,182	22,341	-0.7
West South Central----- (13 cities)	990	918	1,011	-2.1	42,010	42,997	-2.3
Mountain----- (8 cities)	377	387	359	+5.0	15,697	15,454	+1.6
Pacific----- (13 cities)	1,468*	1,621	1,422	+3.2	60,405	61,285	-1.4

*Includes estimate for missing reports.

Morbidity and Mortality Weekly Report

Table 4. DEATHS IN SELECTED CITIES

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

Area	43rd week ended Oct. 28, 1961	42nd week ended Oct. 21, 1961	Cumulative, first 43 weeks		Area	43rd week ended Oct. 28, 1961	42nd week ended Oct. 21, 1961	Cumulative, first 43 weeks	
			1961	1960					1961
NEW ENGLAND:					WEST NORTH CENTRAL—Con.:				
Boston, Mass.-----	244	256	10,354	10,826	St. Louis, Mo.-----	256	256	10,094	10,534
Bridgeport, Conn.-----	39	30	1,636	1,753	St. Paul, Minn.-----	53	77	2,816	2,982
Cambridge, Mass.-----	29	34	1,254	1,332	Wichita, Kans.-----	44	54	1,997	1,980
Fall River, Mass.-----	31	31	1,170	1,213	SOUTH ATLANTIC:				
Hartford, Conn.-----	60	51	2,074	2,104	Atlanta, Ga.-----	132	122	4,888	5,033
Lowell, Mass.-----	29	19	1,044	1,018	Baltimore, Md.-----	247	295	10,533	10,787
Lynn, Mass.-----	20	20	933	1,044	Charlotte, N.C.-----	42	36	1,554	1,672
New Bedford, Mass.-----	23	33	1,112	1,044	Jacksonville, Fla.-----	65	59	2,485	2,535
New Haven, Conn.-----	62	39	1,963	1,909	Miami, Fla.-----	76*	73	3,243	3,092
Providence, R.I.-----	67	44	2,657	2,739	Norfolk, Va.-----	50	49	2,131	1,710
Somerville, Mass.-----	10	19	562	567	Richmond, Va.-----	88	73	3,328	3,341
Springfield, Mass.-----	47	41	1,893	1,941	Savannah, Ga.-----	25	32	1,395	1,432
Waterbury, Conn.-----	26	21	1,142	1,180	St. Petersburg, Fla.-----	(69)	(57)	(2,890)	(3,007)
Worcester, Mass.-----	58	42	2,344	2,337	Tampa, Fla.-----	52	76	2,830	2,827
MIDDLE ATLANTIC:					Washington, D.C.-----	213	208	8,408	8,246
Albany, N.Y.-----	46	53	1,966	1,843	Wilmington, Del.-----	43	52	1,704	1,625
Allentown, Pa.-----	31	39	1,475	1,493	EAST SOUTH CENTRAL:				
Buffalo, N.Y.-----	133	170	6,244	6,194	Birmingham, Ala.-----	102	93	3,673	3,607
Camden, N.J.-----	41	34	1,816	1,810	Chattanooga, Tenn.-----	51	43	2,004	2,016
Elizabeth, N.J.-----	40	35	1,273	1,250	Knoxville, Tenn.-----	30	11	1,175	1,216
Erie, Pa.-----	45	19	1,665	1,657	Louisville, Ky.-----	92	118	4,849	4,900
Jersey City, N.J.-----	82	89	2,980	3,056	Memphis, Tenn.-----	118	109	4,856	4,779
Newark, N.J.-----	90	139	4,361	4,183	Mobile, Ala.-----	31	41	1,734	1,769
New York City, N.Y.-----	1,640	1,606	71,305	69,996	Montgomery, Ala.-----	34	26	1,372	1,489
Paterson, N.J.-----	40	35	1,668	1,648	Nashville, Tenn.-----	63	78	2,519	2,565
Philadelphia, Pa.-----	500	484	21,756	20,966	WEST SOUTH CENTRAL:				
Pittsburgh, Pa.-----	165	286	8,200	8,254	Austin, Tex.-----	31	38	1,459	1,457
Reading, Pa.-----	24	23	1,002	1,020	Baton Rouge, La.-----	37	44	1,206	1,243
Rochester, N.Y.-----	106	108	4,329	4,311	Corpus Christi, Tex.-----	28	13	938	1,011
Schenectady, N.Y.-----	15	39	1,038	1,013	Dallas, Tex.-----	121	96	5,342	5,318
Scranton, Pa.-----	35	41	1,520	1,604	El Paso, Tex.-----	38	20	1,505	1,630
Syracuse, N.Y.-----	67	64	2,627	2,674	Fort Worth, Tex.-----	45	67	2,761	2,844
Trenton, N.J.-----	43	45	1,934	1,769	Houston, Tex.-----	178	155	7,098	7,204
Utica, N.Y.-----	29	28	1,209	1,162	Little Rock, Ark.-----	67	43	2,422	2,439
Yonkers, N.Y.-----	24	30	1,315	1,307	New Orleans, La.-----	158	177	7,220	7,633
EAST NORTH CENTRAL:					Oklahoma City, Okla.-----	73	63	3,164	3,214
Akron, Ohio-----	55	57	2,453	2,430	San Antonio, Tex.-----	93	88	4,357	4,315
Canton, Ohio-----	39	34	1,340	1,493	Shreveport, La.-----	59	63	2,174	2,323
Chicago, Ill.-----	734	726	31,735	32,930	Tulsa, Okla.-----	62	51	2,364	2,366
Cincinnati, Ohio-----	164	141	6,697	6,752	MOUNTAIN:				
Cleveland, Ohio-----	210	219	8,714	9,051	Albuquerque, N. Mex.-----	27	39	1,347	1,331
Columbus, Ohio-----	105	129	4,901	5,042	Colorado Springs, Colo.-----	20	12	706	725
Dayton, Ohio-----	73	82	3,428	3,214	Denver, Colo.-----	132	125	4,973	5,120
Detroit, Mich.-----	305	318	14,208	14,544	Ogden, Utah-----	23	12	712	713
Evansville, Ind.-----	45	35	1,561	1,567	Phoenix, Ariz.-----	74	98	3,534	3,252
Flint, Mich.-----	44	41	1,822	1,735	Pueblo, Colo.-----	17	19	727	705
Fort Wayne, Ind.-----	37	30	1,625	1,567	Salt Lake City, Utah-----	46	37	2,054	2,085
Gary, Ind.-----	34	34	1,317	1,329	Tucson, Ariz.-----	38	45	1,644	1,523
Grand Rapids, Mich.-----	35	52	1,937	1,766	PACIFIC:				
Indianapolis, Ind.-----	172	172	6,127	6,246	Berkeley, Calif.-----	11	27	739	725
Madison, Wis.-----	34	23	1,391	1,352	Fresno, Calif.-----	(56)	(45)	(1,865)	(1,865)
Milwaukee, Wis.-----	131	132	5,276	5,354	Glendale, Calif.-----	(41)	(42)	(1,428)	(1,614)
Peoria, Ill.-----	25	16	1,211	1,310	Honolulu, Hawaii-----	42	42	1,732	1,765
Rockford, Ill.-----	25	25	1,217	1,224	Long Beach, Calif.-----	44	67	2,373	2,335
South Bend, Ind.-----	26	32	1,230	1,262	Los Angeles, Calif.-----	553	560	21,367	21,551
Toledo, Ohio-----	84	113	4,226	4,264	Oakland, Calif.-----	106	116	4,160	4,121
Youngstown, Ohio-----	57	60	2,477	2,360	Pasadena, Calif.-----	27	47	1,424	1,474
WEST NORTH CENTRAL:					Portland, Oreg.-----	113*	92	4,570	4,713
Des Moines, Iowa-----	47	57	2,315	2,352	Sacramento, Calif.-----	67	55	2,654	2,477
Duluth, Minn.-----	26	28	1,103	1,092	San Diego, Calif.-----	98	118	3,833	3,924
Kansas City, Kans.-----	37	42	1,614	1,516	San Francisco, Calif.-----	205	232	8,333	8,501
Kansas City, Mo.-----	99	141	5,475	5,373)	San Jose, Calif.-----	(35)	(31)	(1,496)	(1,487)
Lincoln, Nebr.-----	(16)	(30)	(1,187)	(1,108)	Seattle, Wash.-----	128	167	5,567	5,907
Minneapolis, Minn.-----	118	112	5,065	5,375	Spokane, Wash.-----	44	55	2,019	2,051
Omaha, Nebr.-----	64	61	2,969	3,165	Tacoma, Wash.-----	30	43	1,634	1,741
					San Juan, P. R.-----	(29)	(43)	(1,439)	(1,515)

*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.

fied *Borrelia* in ticks from rodents in the area and from ticks in one of the cabins at the park. At that time the accommodations were "made rodent proof" and the matter was soon forgotten.

It is interesting that this family occupied the same cabin that was known to be infested 20 years ago. The father wrote to his physician regarding his suspicions of relapsing fever and the physician advised that the child be brought in during the next febrile episode for blood smears. The child was seen again as a hospital outpatient on September 18 and the characteristic spirochetes in the peripheral blood were identified at that time.

Since this disease does not characteristically occur in epidemic form in California, this is probably an endemic case resulting from contact with an infected tick. (Reported by Dr. John D. Keye, Shasta County Department of Public Health, Redding, California.)

Bat Rabies - Tennessee

The second confirmed case of rabies in bats in Tennessee has been reported by the Tennessee Department of Public Health.

On September 28, two young boys reported to their father, a Game and Fish menagerie caretaker, that a bat had flown out of a tree and dived at them twice. Their father investigated and found the bat perched in the tree chattering and hissing. He probed at the bat with a stick; the bat dove at the caretaker striking him on the chest and falling to the ground. The caretaker felt the bat might be suitable for the Game and Fish photographers and picked it up to place it in a cage. The bat clung to his hand and bit his finger. On the following morning, the photographers examined the bat, one of whom cut his finger on the cage and the other handled the bat extensively. The bat was returned to the cage where it died later in the day. Fluorescent antibody examination at the State laboratory confirmed the diagnosis of rabies. The bat was identified as *Lasiurus borealis*. All three of the men concerned have been started on a course of immunization using duck embryo vaccine.

The only one previous known case of rabies in bats in Tennessee occurred on July 18, 1961 in this same county (see MMWR, Vol. 10, No. 38).

(Reported by Dr. Cecil B. Tucker, Director, Division of Preventable Diseases, Tennessee Dept. of Public Health.)

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 Amarillo	Amarillo Bi-City-County Health Unit 417 Austin Street Tel: DR 2-6562	2d and 4th Wednesday, 1 - 3 p.m.	Yes

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

Library
81
7 61
CDC

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