

# Morbidity and Mortality

Weekly Report

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

Prepared by the COMMUNICABLE DISEASE CENTER MEIrose 4-5131

For release January 27, 1961

Atlanta 22, Georgia

Vol. 10, No. 3

## Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended January 21, 1961

**Hepatitis** - The sharp rise in reported cases noted throughout the nation one week ago briskly continues with a total of 1,829 cases reported for the week ending January 21, 1961. Reported cases for the past 4 weeks and similar periods 1 and 2 years ago are shown in the table below:

Year	Week Number				Cumulative four week total
	52nd	1st	2nd	3rd	
1960-61	873	1,012	1,457	1,829	5,171
1959-60	441	594	797	735	2,567
1958-59	373	385	475	519	1,752

The current cumulative 4 week total is 101 percent above the comparable period one year ago and 194 percent above 1959.

**Diphtheria** - Twenty-five cases are reported this week. Texas with 17 and neighboring Louisiana with 3, account for the majority. Other States reporting cases are Georgia - 1, Montana - 1, New York - 1, and South Dakota - 2.

**Influenza** - The following additional information on influenza in American Samoa (Vol. 10, No. 2) was re-

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)	3rd Week			Cumulative						Approximate seasonal low point	
	Ended Jan. 21, 1961	Ended Jan. 23, 1960	Median 1956-60	First 3 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	-	-	*	-	-	*	*	*	*	*	*
Botulism-----049.1	-	-	*	-	3	*	*	*	*	*	*
Brucellosis (undulant fever)-----044	8	26	11	23	44	37	*	*	*	*	July 1
Diphtheria-----055	25	16	24	72	67	69	652	597	819	56	Jan. 1
Encephalitis, infectious-----082	17	25	19	63	75	56	63	75	56		
Hepatitis, infectious, and serum-----092,N998.5 pt.	1,829	735	519	4,298	2,126	1,379	19,473	10,122	6,241		Sept. 1
Malaria-----110-117	7,489	8,095	8,150	22,209	22,737	22,102	58,256	60,289	60,289		Sept. 1
Measles-----085	24	22	---	64	96	---	64	96	---		Jan. 1
Meningitis, aseptic-----340 pt.	61	67	53	159	163	175	813	818	991		Sept. 1
Meningococcal infections-----057	9	27	27	39	72	72	3,103	8,346	8,346		Apr. 1
Poliomyelitis-----080	5	20	20	22	55	55	2,131	5,556	5,556		Apr. 1
Paralytic-----080.0,080.1	3	4	4	6	7	7	627	2,124	2,124		Apr. 1
Nonparalytic-----080.2	1	3	3	11	10	10	345	666	666		Apr. 1
Unspecified-----080.3	-	1	*	2	3	*	*	*	*		*
Psittacosis-----096.2	1	-	*	2	-	*	*	*	*		*
Rabies in man-----094	-	-	*	2	-	*	*	*	*		*
Streptococcal sore throat, including scarlet fever-----050,051	8,653	8,508	---	24,706	23,413	---	122,358	---	---		Aug. 1
Typhoid fever-----040	11	8	15	19	22	37	705	748	1,049		Apr. 1
Typhus fever, endemic-----101	1	1	*	2	2	*	*	*	*		*
Rabies in animals-----	57	76	85	141	221	257	711	1,201	1,201		Oct. 1

Rabies in man - California

ceived on January 18 through Dr. Arthur Osborne, Chief, International Organizations Relations Branch, D.I.H., USPHS.

"... Acting Governor Mac Quarrie of American Samoa reports 221 influenza-like disease cases with three deaths in Pago Pago area alone. A sharp upswing with 65 cases seen at emergency room Pago Pago Hospital on January 17. The deaths were in a cerebral palsy child and two in infants under two years of age."

No report on virus isolation studies are yet available.

The British Ministry of Health reports that the outbreak of influenza continues in the Midlands. There were 246 influenza deaths in England and Wales in the 2nd week 1961. This represents a moderate increase over the average of 130 deaths reported for the same week during the past 8 years. Preliminary laboratory reports indicate that the viruses isolated during the current outbreak are related to the Asian strain.

**Rabies** - California reports a rabies death, the 2nd reported in the nation during 1961.

## EPIDEMIOLOGICAL REPORTS

### Rabies - California

A 76-year-old man died in a Yuma, Arizona hospital on January 20, 1961, of what was believed to have been rabies. Forty-four days earlier he had been bitten by a rabid dog near the Imperial Dam, Bard, Imperial County, California. Onset of illness was 31 days after the bite and death occurred on the 13th day after onset. The victim incurred a 5 inch bite wound on the right wrist when the dog jumped from a bank above and attacked him on December 7, 1960. The bite wound was washed with Phisohex and Zipherin Chloride on the day of the attack and administration of a 14 dose course of duck embryo rabies vaccine was begun 6 days after the bite. Microscopic examination of the dog's brain revealed typical Negri-bodies and 6 out of 8 inoculated mice were dead by the 16th post-inoculation day. The dog brain and brain of the inoculated mice were fluorescent antibody positive. Diagnosis in the human case was confirmed on January 24, 1961 by the finding of typical Negri-bodies on microscopic examination of human brain material by the State Department of Public Health.

(From a telegram received January 24, 1961 from Dr. Malcolm H. Merrill, Director, California State Department of Public Health)

### Staphylococcal Food Poisoning - Allen County, Kentucky

A food poisoning epidemic occurred December 15 in a consolidated school in Allen County, Kentucky and involved more than 200 grade and high school students. Coagulase positive *Staphylococcus aureus* was isolated from portions of cooked turkey being served in the school cafeteria. Nausea, vomiting, and diarrhea not associated with fever which followed a 2-6 hour incubation period were the principal symptoms noted. These symptoms were severe enough to require the hospitalization of 40 children. On December 17, investigation was made of this epidemic with the following findings: the turkeys were baked, sliced, and left in unrefrigerated open pans for approximately 20 hours before serving. The meat was then served without being reheated. Two cafeteria workers were found to have carbuncle-type hand lesions. Infection involving the fingernail of one of these workers was purulent at the time of inspection and by history at the time the meat was sliced. Cultures from the served turkey and the hand lesions were found to contain coagulase positive staphylococcus; the organisms from both sites were not phage typable. All other foods served were free of coagulase positive staphylococci or other pathogenic organisms.

(Submitted by J. Clifford Todd, State Epidemiologist, Kentucky State Department of Health)

### Hepatitis - Vermont

There has been a sharp increase in hepatitis morbidity in Vermont. Outbreaks have occurred in scattered areas since September, when an outbreak began in several Windham County towns. At present, there is a large outbreak in Barton, another in several towns of Western Rutland County, and a small outbreak in Hartford. Additional isolated cases have occurred. The peak hepatitis year in Vermont occurred in 1955 with 257 reported cases. There were 35 in 1958, 27 in 1959, 29 in 1960. Already, 33 cases have been reported during the first 17 days of 1961, indicating that the expected increase in hepatitis morbidity in Vermont is occurring somewhat later than that in the nation as a whole.

(Reported by Dr. Linus J. Leavens, Director, Communicable Disease Control, Vermont Department of Health)

### Meningococcal Meningitis - Florida

Through January 18, 1961, fourteen cases of meningococcal meningitis have been reported to the State Board of Health this year. This is considered to be a rather unusual occurrence inasmuch as practically no cases were reported during this period for the two previous years. So far, no concentration of cases have been observed. The reports have come from nine different coun-

(Continued on page 8)

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED JANUARY 23, 1960 AND JANUARY 21, 1961

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

Area	Polio myelitis 080										Menin- gitis, aseptic  340 pt.	Brucel- losis (undul- lant fever)  044
	Total (includes cases not specified by type)				Paralytic 080.0,080.1				Nonparalytic			
	3rd Week		Cumulative, first 3 weeks		3rd Week		Cumulative, first 3 weeks		080.2			
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960		
UNITED STATES-----	9	27	39	72	5	20	22	55	3	4	24	8
NEW ENGLAND-----	-	2	-	5	-	2	-	5	-	-	-	-
Maine-----	-	1	-	1	-	1	-	1	-	-	-	-
New Hampshire-----	-	-	-	-	-	-	-	-	-	-	-	-
Vermont-----	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts-----	-	1	-	4	-	1	-	4	-	-	-	-
Rhode Island-----	-	-	-	-	-	-	-	-	-	-	-	-
Connecticut-----	-	-	-	-	-	-	-	-	-	-	-	-
MIDDLE ATLANTIC-----	-	7	4	14	-	6	4	9	-	1	2	-
New York-----	-	6	-	13	-	5	-	8	-	1	1	-
New Jersey-----	-	1	-	1	-	1	-	1	-	-	-	-
Pennsylvania-----	-	-	4	-	-	-	4	-	-	-	1	-
EAST NORTH CENTRAL-----	3	5	7	9	2	1	5	2	-	1	3	2
Ohio-----	1	4	3	8	1	1	2	2	-	-	-	-
Indiana-----	-	-	-	-	-	-	-	-	-	-	1	-
Illinois-----	-	-	2	-	-	-	2	-	-	-	1	2
Michigan-----	-	-	-	-	-	-	-	-	-	-	1	-
Wisconsin-----	2	1	2	1	1	-	1	-	-	1	-	-
WEST NORTH CENTRAL-----	1	-	2	1	1	-	1	1	-	-	1	4
Minnesota-----	1	-	1	1	1	-	1	1	-	-	-	-
Iowa-----	-	-	-	-	-	-	-	-	-	-	1	-
Missouri-----	-	-	-	-	-	-	-	-	-	-	-	-
North Dakota-----	-	-	-	-	-	-	-	-	-	-	-	-
South Dakota-----	-	-	1	-	-	-	-	-	-	-	-	-
Nebraska-----	-	-	-	-	-	-	-	-	-	-	-	1
Kansas-----	-	-	-	-	-	-	-	-	-	-	-	2
SOUTH ATLANTIC-----	-	6	3	15	-	6	2	15	-	-	1	-
Delaware-----	-	-	1	-	-	-	1	-	-	-	-	-
Maryland-----	-	-	-	-	-	-	-	-	-	-	-	-
District of Columbia-----	-	-	-	-	-	-	-	-	-	-	1	-
Virginia-----	-	-	-	-	-	-	-	-	-	-	-	-
West Virginia-----	-	2	-	2	-	2	-	2	-	-	-	-
North Carolina-----	-	2	1	10	-	2	1	10	-	-	-	-
South Carolina-----	-	-	-	1	-	-	-	1	-	-	-	-
Georgia-----	-	-	-	-	-	-	-	-	-	-	-	-
Florida-----	-	2	1	2	-	2	-	2	-	-	-	-
EAST SOUTH CENTRAL-----	-	1	5	1	-	1	-	1	-	-	-	-
Kentucky-----	-	1	5	1	-	1	-	1	-	-	-	-
Tennessee-----	-	-	-	-	-	-	-	-	-	-	-	-
Alabama-----	-	-	-	-	-	-	-	-	-	-	-	-
Mississippi-----	-	-	-	-	-	-	-	-	-	-	-	-
WEST SOUTH CENTRAL-----	2	-	5	1	-	-	2	1	2	-	3	-
Arkansas-----	2	-	2	-	-	-	-	-	2	-	-	-
Louisiana-----	-	-	3	1	-	-	2	1	-	-	-	-
Oklahoma-----	-	-	-	-	-	-	-	-	-	-	-	-
Texas-----	-	-	-	-	-	-	-	-	-	-	3	-
MOUNTAIN-----	-	2	7	4	-	1	3	3	-	1	4	1
Montana-----	-	2	1	4	-	1	1	3	-	1	-	-
Idaho-----	-	-	1	-	-	-	-	-	-	-	-	-
Wyoming-----	-	-	-	-	-	-	-	-	-	-	-	-
Colorado-----	-	-	-	-	-	-	-	-	-	-	4	-
New Mexico-----	-	-	-	-	-	-	-	-	-	-	-	-
Arizona-----	-	-	1	-	-	-	-	-	-	-	-	-
Utah-----	-	-	4	-	-	-	2	-	-	-	-	1
Nevada-----	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC-----	3	4	6	22	2	3	5	18	1	1	10	1
Washington-----	-	-	-	1	-	-	-	1	-	-	1	-
Oregon-----	-	1	-	6	-	-	-	3	-	1	-	-
California-----	-	-	-	-	-	-	-	-	-	-	-	-
Alaska-----	3	3	6	14	2	3	5	13	1	-	9	1
Hawaii-----	-	-	-	1	-	-	-	1	-	-	-	-
Puerto Rico-----	-	-	-	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 JANUARY 23, 1960 AND JANUARY 21, 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	
	3rd Week		Cumulative, first 3 weeks		082		3rd Week		Cumulative, first 3 weeks		085	
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960
UNITED STATES-----	25	16	72	67	17	25	1,829	735	4,298	2,126	7,489	8,095
NEW ENGLAND-----	-	-	-	1	-	2	49	26	145	73	518	471
Maine-----	-	-	-	-	-	-	7	-	11	3	8	91
New Hampshire-----	-	-	-	-	-	-	2	-	4	-	7	6
Vermont-----	-	-	-	-	-	-	13	2	45	3	42	-
Massachusetts-----	-	-	-	-	-	1	15	19	38	42	309	308
Rhode Island-----	-	-	-	1	-	-	-	2	10	14	114	2
Connecticut-----	-	-	-	-	-	1	12	3	37	11	38	64
MIDDLE ATLANTIC-----	1	2	1	3	4	1	269	79	525	185	891	790
New York-----	1	1	1	1	4	-	92	35	214	84	42	651
New Jersey-----	-	-	-	-	-	-	48	5	75	13	220	69
Pennsylvania-----	-	1	-	2	-	1	129	39	236	88	629	70
EAST NORTH CENTRAL-----	-	1	-	4	-	1	325	111	821	350	2,751	2,134
Ohio-----	-	-	-	2	-	1	143	37	372	84	689	429
Indiana-----	-	-	-	1	-	-	38	13	81	46	175	162
Illinois-----	-	-	-	-	-	-	52	25	117	79	330	533
Michigan-----	-	1	-	1	-	-	87	29	236	111	413	581
Wisconsin-----	-	-	-	-	-	-	5	7	15	30	1,144	429
WEST NORTH CENTRAL-----	2	-	4	5	-	3	205	58	418	173	409	199
Minnesota-----	-	-	2	2	-	-	35	3	77	16	12	116
Iowa-----	-	-	1	-	-	-	38	18	72	41	63	18
Missouri-----	-	-	-	-	-	2	63	7	124	44	189	6
North Dakota-----	-	-	-	1	-	1	5	16	10	23	102	52
South Dakota-----	2	-	2	-	-	-	16	2	20	18	-	6
Nebraska-----	-	-	-	-	-	-	8	7	38	15	43	1
Kansas-----	-	-	-	1	-	-	40	5	77	16	NN	NN
SOUTH ATLANTIC-----	1	6	8	21	3	5	216	87	494	236	1,185	426
Delaware-----	-	-	-	-	-	-	3	-	18	9	94	4
Maryland-----	-	-	-	-	-	-	35	10	66	28	47	55
District of Columbia-----	-	-	-	-	-	2	1	-	4	-	5	42
Virginia-----	-	-	2	4	-	1	23	42	57	66	232	210
West Virginia-----	-	-	1	-	1	-	45	26	114	63	104	28
North Carolina-----	-	-	-	1	2	1	33	3	84	10	115	29
South Carolina-----	-	1	-	10	-	-	41	1	79	4	320	-
Georgia-----	1	-	2	1	-	-	12	5	25	15	1	5
Florida-----	-	5	3	5	-	1	23	-	47	41	267	53
EAST SOUTH CENTRAL-----	-	1	2	8	-	1	328	171	793	424	529	690
Kentucky-----	-	-	1	-	-	-	144	59	301	200	246	429
Tennessee-----	-	-	1	1	-	-	133	65	330	139	246	241
Alabama-----	-	1	-	6	-	-	44	43	132	68	26	14
Mississippi-----	-	-	-	1	-	1	7	4	30	17	11	6
WEST SOUTH CENTRAL-----	20	3	56	12	3	3	112	62	247	167	261	1,608
Arkansas-----	-	-	-	-	-	-	27	1	47	8	-	1
Louisiana-----	3	-	4	1	-	-	2	1	9	7	1	11
Oklahoma-----	-	2	2	2	3	1	15	14	27	25	1	5
Texas-----	17	1	50	9	-	2	68	46	164	127	259	1,591
MOUNTAIN-----	1	3	1	13	-	2	102	56	285	246	267	534
Montana-----	1	-	1	-	-	1	9	1	48	8	30	67
Idaho-----	-	-	-	9	-	-	12	6	27	27	30	134
Wyoming-----	-	3	-	3	-	-	2	2	5	2	5	27
Colorado-----	-	-	-	-	-	-	46	13	115	69	69	27
New Mexico-----	-	-	-	-	-	-	7	13	15	58	-	-
Arizona-----	-	-	-	-	-	1	14	13	31	52	127	74
Utah-----	-	-	1	-	-	-	8	8	32	25	6	205
Nevada-----	-	-	-	-	-	-	4	-	12	5	-	-
PACIFIC-----	-	-	-	-	7	7	223	85	570	272	678	1,243
Washington-----	-	-	-	-	-	-	36	14	58	24	133	381
Oregon-----	-	-	-	-	-	-	26	13	98	53	82	177
California-----	-	-	-	-	5	7	157	56	395	178	452	243
Alaska-----	-	-	-	-	2	-	1	-	9	12	1	33
Hawaii-----	-	-	-	-	-	-	3	2	10	5	10	409
Puerto Rico-----	-	4	-	6	-	-	6	21	6	40	44	18

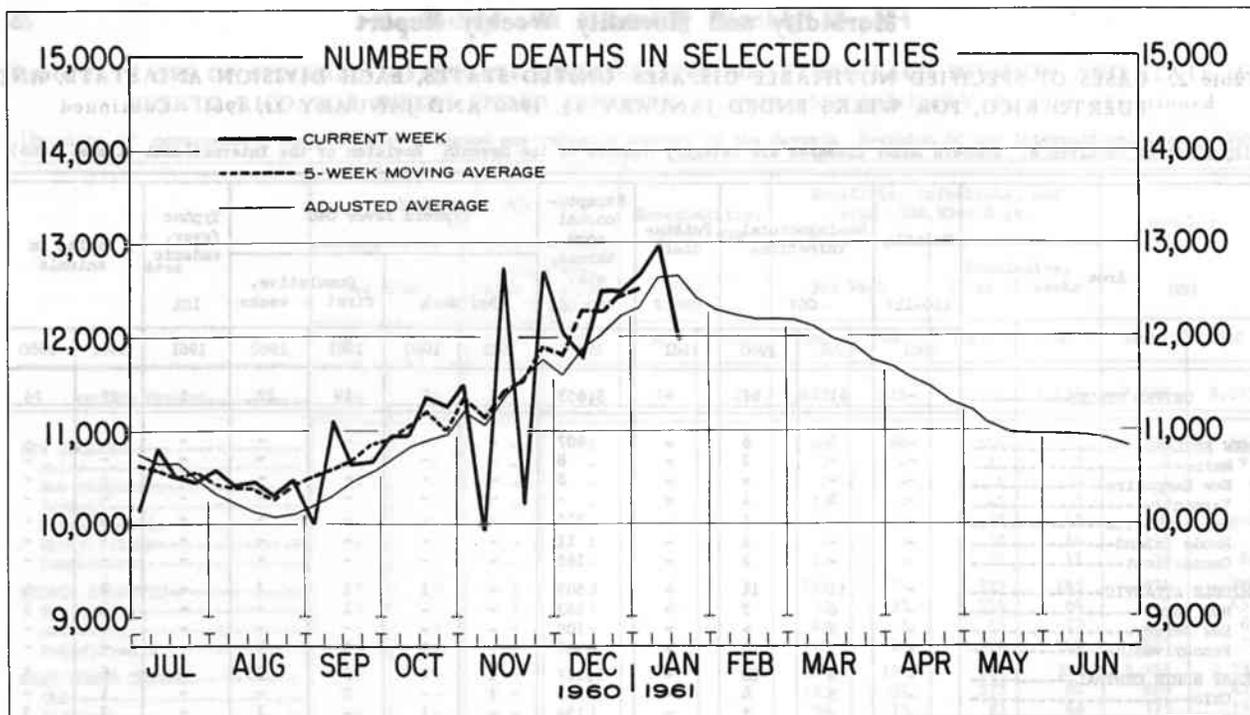
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(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

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	3rd Week		Cumulative, first 3 weeks		101	1961	1960
	1961	1961	1960	1961	1961	1961	1960	1961	1960	1961	1961	1960
UNITED STATES-----	-	61	67	-	8,653	11	8	19	22	1	57	76
NEW ENGLAND-----	-	3	6	-	407	-	-	-	-	-	-	-
Maine-----	-	-	3	-	8	-	-	-	-	-	-	-
New Hampshire-----	-	-	-	-	8	-	-	-	-	-	-	-
Vermont-----	-	3	1	-	-	-	-	-	-	-	-	-
Massachusetts-----	-	-	1	-	215	-	-	-	-	-	-	-
Rhode Island-----	-	-	1	-	11	-	-	-	-	-	-	-
Connecticut-----	-	-	-	-	165	-	-	-	-	-	-	-
MIDDLE ATLANTIC-----	-	11	11	-	503	-	1	2	2	-	2	5
New York-----	-	6	7	-	263	-	-	1	-	-	2	5
New Jersey-----	-	2	-	-	109	-	-	-	-	-	-	-
Pennsylvania-----	-	3	4	-	131	-	1	1	2	-	-	-
EAST NORTH CENTRAL-----	-	8	13	-	1,027	1	2	3	2	-	6	5
Ohio-----	-	3	4	-	255	1	-	2	2	-	1	-
Indiana-----	-	-	1	-	134	-	1	-	1	-	3	3
Illinois-----	-	1	4	-	176	-	-	-	-	-	1	-
Michigan-----	-	4	2	-	220	-	1	-	1	-	1	2
Wisconsin-----	-	-	2	-	242	-	-	1	-	-	-	-
WEST NORTH CENTRAL-----	-	5	2	-	291	2	1	2	2	-	18	10
Minnesota-----	-	-	1	-	15	-	-	-	-	-	5	4
Iowa-----	-	-	-	-	61	-	-	-	-	-	6	2
Missouri-----	-	3	1	-	31	2	1	2	2	-	3	2
North Dakota-----	-	1	-	-	128	-	-	-	-	-	2	1
South Dakota-----	-	-	-	-	3	-	-	-	-	-	2	-
Nebraska-----	-	-	-	-	1	-	-	-	-	-	-	1
Kansas-----	-	1	-	-	52	-	-	-	-	-	-	-
SOUTH ATLANTIC-----	-	9	9	-	603	2	-	3	2	-	5	16
Delaware-----	-	-	-	-	3	-	-	-	-	-	-	-
Maryland-----	-	-	1	-	25	-	-	-	-	-	-	-
District of Columbia-----	-	-	-	-	1	-	-	-	-	-	-	-
Virginia-----	-	1	2	-	103	-	-	-	-	-	3	7
West Virginia-----	-	-	-	-	182	-	-	-	-	-	2	3
North Carolina-----	-	4	2	-	41	1	-	1	2	-	-	1
South Carolina-----	-	-	1	-	50	-	-	-	-	-	-	3
Georgia-----	-	-	-	-	-	1	-	1	-	-	-	2
Florida-----	-	4	3	-	198	-	-	1	-	-	-	-
EAST SOUTH CENTRAL-----	-	7	3	-	1,682	2	2	2	6	-	9	8
Kentucky-----	-	1	1	-	178	1	1	1	1	-	1	4
Tennessee-----	-	3	1	-	1,250	-	1	-	4	-	7	2
Alabama-----	-	3	1	-	35	1	-	1	1	-	1	2
Mississippi-----	-	-	-	-	219	-	-	-	-	-	-	-
WEST SOUTH CENTRAL-----	-	9	14	-	1,144	1	1	2	3	1	13	25
Arkansas-----	-	1	-	-	3	-	1	-	1	-	3	10
Louisiana-----	-	3	2	-	6	-	-	-	-	-	1	2
Oklahoma-----	-	1	2	-	32	1	-	1	-	-	-	-
Texas-----	-	4	10	-	1,103	-	-	1	2	1	9	13
MOUNTAIN-----	-	2	1	-	1,886	3	1	4	3	-	-	2
Montana-----	-	-	-	-	114	-	1	1	3	-	-	-
Idaho-----	-	-	-	-	227	-	-	-	-	-	-	-
Wyoming-----	-	-	-	-	109	-	-	-	-	-	-	-
Colorado-----	-	-	-	-	608	3	-	3	-	-	-	2
New Mexico-----	-	-	1	-	509	-	-	-	-	-	-	-
Arizona-----	-	2	-	-	183	-	-	-	-	-	-	-
Utah-----	-	-	-	-	130	-	-	-	-	-	-	-
Nevada-----	-	-	-	-	6	-	-	-	-	-	-	-
PACIFIC-----	-	7	8	-	1,110	-	-	1	2	-	4	5
Washington-----	-	-	1	-	538	-	-	-	-	-	-	-
Oregon-----	-	-	-	-	91	-	-	-	-	-	-	-
California-----	-	7	7	-	437	-	-	1	2	-	4	5
Alaska-----	-	-	-	-	38	-	-	-	-	-	-	-
Hawaii-----	-	-	-	-	6	-	-	-	-	-	-	-
Puerto Rico-----	-	-	-	-	2	-	2	-	3	-	-	-

## 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	3rd week ended Jan. 21, 1961	2nd week ended Jan. 14, 1961	Adjusted average, 3rd week 1956-60	Percent change, adjusted average to current week	Cumulative, first 3 weeks		
					1961	1960	Percent change
<b>TOTAL, 117 REPORTING CITIES-----</b>	11,995	12,970	12,655	-5.2	37,615	39,473	-4.7
New England----- (14 cities)	721*	782	752	-4.1	2,281	2,415	-5.5
Middle Atlantic----- (20 cities)	3,409*	3,551	3,462	-1.5	10,631	10,634	-0.03
East North Central----- (21 cities)	2,543*	2,685	2,706	-6.0	7,942	8,790	-9.6
West North Central----- (9 cities)	755	886	889	-15.1	2,483	2,620	-5.2
South Atlantic----- (11 cities)	1,044*	1,173	1,090	-4.2	3,403	3,272	+4.0
East South Central----- (8 cities)	480	700	589	-18.5	1,739	1,869	-7.0
West South Central----- (13 cities)	1,039	1,123	1,164	-10.7	3,213	3,459	-7.1
Mountain----- (8 cities)	423	364	392	+7.9	1,142	1,191	-4.1
Pacific----- (13 cities)	1,581	1,706	1,611	-1.9	4,781	5,223	-8.5

\*Includes estimate for missing reports.

# Morbidity and Mortality Weekly Report

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Table 4. DEATHS IN SELECTED CITIES

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

Area	3rd week ended Jan. 21, 1961	2nd week ended Jan. 14, 1961	Cumulative, first 3 weeks		Area	3rd week ended Jan. 21, 1961	2nd week ended Jan. 14, 1961	Cumulative, first 3 weeks	
			1961	1960				1961	1960
<b>NEW ENGLAND:</b>					<b>WEST NORTH CENTRAL—Con.:</b>				
Boston, Mass.-----	256	267	793	788	St. Louis, Mo.-----	233	250	746	853
Bridgeport, Conn.-----	41*	38	130	135	St. Paul, Minn.-----	46	78	201	258
Cambridge, Mass.-----	23	36	91	112	Wichita, Kans.-----	32	80	152	136
Fall River, Mass.-----	28*	25	81	88	<b>SOUTH ATLANTIC:</b>				
Hartford, Conn.-----	55	46	142	139	Atlanta, Ga.-----	138	137	397	366
Lowell, Mass.-----	24*	17	75	66	Baltimore, Md.-----	265*	263	823	813
Lynn, Mass.-----	24*	22	81	80	Charlotte, N.C.-----	41	44	125	132
New Bedford, Mass.-----	24*	39	93	117	Jacksonville, Fla.-----	63	68	243	193
New Haven, Conn.-----	44	53	136	156	Miami, Fla.-----	53	98	215	235
Providence, R.I.-----	54	71	197	207	Norfolk, Va.-----	43*	38	139	183
Somerville, Mass.-----	9	14	36	52	Richmond, Va.-----	83	122	297	260
Springfield, Mass.-----	59	64	165	188	Savannah, Ga.-----	36	46	131	131
Waterbury, Conn.-----	30	30	88	92	St. Petersburg, Fla.-----	(80)	(82)	(266)	(263)
Worcester, Mass.-----	50	60	173	195	Tampa, Fla.-----	70	80	244	197
<b>MIDDLE ATLANTIC:</b>					<b>EAST SOUTH CENTRAL:</b>				
Albany, N.Y.-----	38	72	172	129	Birmingham, Ala.-----	84	138	322	326
Allentown, Pa.-----	38*	44	116	110	Chattanooga, Tenn.-----	32	59	159	172
Buffalo, N.Y.-----	144	154	464	514	Knoxville, Tenn.-----	30	35	103	86
Camden, N.J.-----	44*	38	127	168	Louisville, Ky.-----	120	131	339	407
Elizabeth, N.J.-----	31*	24	86	77	Memphis, Tenn.-----	88	165	375	361
Erie, Pa.-----	32	44	126	130	Mobile, Ala.-----	29	54	130	146
Jersey City, N.J.-----	80	64	256	265	Montgomery, Ala.-----	31	56	114	134
Newark, N.J.-----	92	87	327	356	Nashville, Tenn.-----	66	62	197	237
New York City, N.Y.-----	1,666	1,822	5,278	5,167	<b>WEST SOUTH CENTRAL:</b>				
Paterson, N.J.-----	36	35	123	144	Austin, Tex.-----	43	35	111	122
Philadelphia, Pa.-----	595	548	1,658	1,580	Baton Rouge, La.-----	34	49	119	100
Pittsburgh, Pa.-----	222	239	693	777	Corpus Christi, Tex.-----	20	39	82	83
Reading, Pa.-----	25*	23	67	87	Dallas, Tex.-----	117	137	381	371
Rochester, N.Y.-----	116	111	353	386	El Paso, Tex.-----	45	38	128	158
Schenectady, N.Y.-----	25	27	81	79	Fort Worth, Tex.-----	66	62	180	178
Scranton, Pa.-----	52	36	128	132	Houston, Tex.-----	206	206	600	592
Syracuse, N.Y.-----	56	59	194	215	Little Rock, Ark.-----	67	60	182	243
Trenton, N.J.-----	36	65	153	114	New Orleans, La.-----	159	183	520	543
Utica, N.Y.-----	33	31	112	102	Oklahoma City, Okla.-----	98	74	259	258
Yonkers, N.Y.-----	48	28	117	102	San Antonio, Tex.-----	122	93	329	442
<b>EAST NORTH CENTRAL:</b>					<b>MOUNTAIN:</b>				
Akron, Ohio-----	61	67	182	168	Albuquerque, N. Mex.-----	39	29	102	115
Canton, Ohio-----	40	27	97	138	Colorado Springs, Colo.-----	12	27	57	56
Chicago, Ill.-----	776	838	2,399	2,823	Denver, Colo.-----	135	114	350	407
Cincinnati, Ohio-----	155	202	538	571	Ogden, Utah-----	17	12	43	57
Cleveland, Ohio-----	214	205	679	713	Phoenix, Ariz.-----	93	84	275	255
Columbus, Ohio-----	101	131	366	452	Pueblo, Colo.-----	16	16	44	40
Dayton, Ohio-----	85	97	283	244	Salt Lake City, Utah-----	62	48	148	179
Detroit, Mich.-----	347	370	1,083	1,210	Tucson, Ariz.-----	49	34	123	82
Evansville, Ind.-----	32	34	92	107	<b>PACIFIC:</b>				
Flint, Mich.-----	44	48	141	129	Berkeley, Calif.-----	22	18	56	68
Fort Wayne, Ind.-----	42	41	132	142	Fresno, Calif.-----	(38)	(60)	(123)	(167)
Gary, Ind.-----	35	22	92	96	Glendale, Calif.-----	(37)	(46)	(113)	(168)
Grand Rapids, Mich.-----	33*	44	122	147	Honolulu, Hawaii-----	49	32	141	127
Indianapolis, Ind.-----	140	170	469	476	Long Beach, Calif.-----	75	70	197	191
Madison, Wis.-----	39	21	99	100	Los Angeles, Calif.-----	640	620	1,796	1,966
Milwaukee, Wis.-----	114	145	408	440	Oakland, Calif.-----	97	127	331	318
Peoria, Ill.-----	25	33	95	86	Pasadena, Calif.-----	29	30	91	147
Rockford, Ill.-----	33	22	78	100	Portland, Oreg.-----	63	120	301	349
South Bend, Ind.-----	37	19	93	106	Sacramento, Calif.-----	65	81	217	228
Toledo, Ohio-----	117	93	312	368	San Diego, Calif.-----	86	110	261	373
Youngstown, Ohio-----	73	56	182	174	San Francisco, Calif.-----	240	252	693	729
<b>WEST NORTH CENTRAL:</b>					<b>San Jose, Calif.-----</b>				
Des Moines, Iowa-----	54	54	143	175	(37)	(28)	(112)	(104)	
Duluth, Minn.-----	30	27	92	78	Seattle, Wash.-----	133	141	413	431
Kansas City, Kans.-----	37	49	129	124	Spokane, Wash.-----	39	53	146	150
Kansas City, Mo.-----	134	148	447	372	Tacoma, Wash.-----	43	52	138	146
Lincoln, Nebr.-----	(21)	(27)	(109)	(92)	<b>San Juan, P. R.-----</b>				
Minneapolis, Minn.-----	130	133	381	393	(31)	(34)	(105)	(---)	
Omaha, Nebr.-----	59	67	192	231					

\*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.

ties within the State. Of the 14 cases, 10 were children under 14 years of age. Eleven were white and 3 non-white. Nine cases occurred in males and 5 in females.

(Received from Dr. James O. Bond, Director, Bureau of Preventable Diseases, Florida State Board of Health)

#### Tularemia - Marlboro, Massachusetts

During November, a 43-year-old man apparently contracted tularemia from a rabbit found dead during a hunting trip. During the hunt the patient's dog returned from a briar patch carrying the dead animal. The hunter field dressed the rabbit at that time without gloves, although he had an abraded area on his right index finger. No gunshot wound was noted in the rabbit; it had no foul odor, and the meat and viscera appeared normal. Three days later the patient noted erythema, edema, induration of the right index finger, axillary lymphadenopathy, chills, and fever. No specific diagnosis was made initially and he was treated intermittently with tetracycline, 1 gram per day. No streptomycin was included in the treatment. On this regimen he followed a stormy course with symptoms becoming worse when the antibiotic was discontinued. On the 16th day of illness a blood specimen was drawn and the tularemia agglutination titer found to be 1:10,240 which established the diagnosis. Tularemia occurs only rarely in Massachusetts; a total of 11 cases were reported during the past 10 years.

(Submitted by Dr. Nicholas J. Fiumara, Director, Division of Communicable Disease, Massachusetts Department of Public Health)

#### Poliomyelitis - Western Vermont

A poliomyelitis fatality in late September, followed by a cluster of three cases in North Burlington and two family cases in rural Essex prompted intensive vaccination clinics in Burlington and surrounding communities in Chittenden County. To date, a total of eight cases have occurred, seven in Chittenden County, and one in adjoining Washington County. Four of the cases in the six children and both adult cases are paralytic. Of the six paralytic cases, four are unvaccinated and two have received three or more injections of Salk vaccine. Since no known case has occurred since November 24, authorities are hopeful that the small outbreak has run its course. Over 15,000 injections were given in free clinics in the Burlington area during a two-week period beginning November 19, in addition to injections given by private physicians.

This outbreak was reported by Dr. L. J. Leavens, Director, Division of Communicable Disease Control, Vermont Department of Health.

#### QUARANTINE MEASURES

##### Immunization Information for International Travel

No Changes Reported

#### SOURCE AND NATURE OF MORBIDITY DATA

These provisional data are based on reports to the Public Health Service from the health departments of each State and Puerto Rico. They give the total number of cases of certain communicable diseases reported during the week usually ended the preceding Saturday. Total figures for the United States and the Pacific Division include data for the States of Alaska and Hawaii. Cases of anthrax, botulism, and rabies in man are not shown in table 2, but a footnote to table 1 shows the States reporting these diseases. When diseases of rare occurrence are reported by a State (cholera, dengue, plague, louse-borne relapsing fever, smallpox, louse-borne epidemic typhus, and yellow fever) this is noted below table 1.

Official Business

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