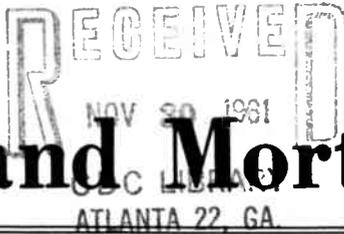


# Morbidity and Mortality

Weekly Report



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

Prepared by the **COMMUNICABLE DISEASE CENTER** ME1rose 4-5131

For release December 1, 1961

Atlanta 22, Georgia

Vol. 10, No. 47

## Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended November 26, 1961

**Acute Respiratory Disease** - To date there have been no confirmed outbreaks of influenza in the United States. However, an outbreak clinically and epidemiologically suggestive of influenza is being investigated in Arizona. Outbreaks of less severe respiratory illnesses are causing high school absentee rates on the West Coast.

In a number of Indian populations in Northeastern Arizona, outbreaks of severe respiratory disease characterized by fever, muscle aches, malaise, cough, and sore throat have been occurring since the beginning of November. Several communities have been affected and absentee rates at the schools have been in the neighborhood of 10 to 15 percent. Laboratory studies are in progress in this outbreak.

In the last 3 weeks a number of respiratory disease outbreaks have been identified along the West Coast of the United States. In mid-November, absentee rates as high as 15 and 20 percent occurred in a number of the schools in the Los Angeles area. The disease there was said to be a mild respiratory illness associated with some gastrointestinal symptoms. No cases had fever above 101°. In the past week, absentee rates as high as 50 percent have been reported in a number of Oregon schools. Mild upper respiratory illnesses and gastrointestinal disturbances are accounting for the absenteeism. Both illnesses are mild in nature, with temperatures under 101°. The students are usually not absent for more than two days. It is not clear whether the California and Oregon

**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)	47th Week			Cumulative						Approximate seasonal low point
	Ended Nov. 25, 1961	Ended Nov. 26, 1960	Median 1956-60	First 47 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	-	-	*	7	17	*	*	*	*	*
Botulism-----049.1	-	-	*	5	10	*	*	*	*	*
Brucellosis (undulant fever)-----044	15	8	9	535	694	723	*	*	*	*
Diphtheria-----055	8	28	42	515	720	786	206	375	421	July 1
Encephalitis, infectious-----082	19	22	22	1,511	1,727	1,930	1,511	1,727	1,930	Jan. 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	1,129	889	359	66,265	35,676	17,489	13,562	9,966	3,485	Sept. 1
Malaria-----110-117	-	2	*	56	66	*	*	*	*	*
Measles-----085	2,183	2,371	2,357	401,998	415,682	461,840	16,370	15,592	16,910	Sept. 1
Meningitis, aseptic-----340 pt.	33	49	---	2,942	2,800	---	2,942	2,800	---	Jan. 1
Meningococcal infections-----057	43	30	48	1,935	1,982	2,319	420	444	502	Sept. 1
Poliomyelitis-----080	19	40	105	1,247	3,065	5,739	1,144	2,854	5,364	Apr. 1
Paralytic-----080.0,080.1	9	36	77	806	2,137	2,053	746	1,972	2,684	Apr. 1
Nonparalytic-----080.2	6	2	17	297	616	2,758	272	590	1,869	Apr. 1
Unspecified-----080.3	4	2	11	144	312	928	126	292	811	Apr. 1
Pittacosis-----096.2	3	1	*	61	91	*	*	*	*	*
Rabies in man-----094	-	-	*	3	2	*	*	*	*	*
Streptococcal sore throat, including scarlet fever-----050,051	4,855	5,573	---	284,457	275,614	---	65,246	---	---	Aug. 1
Typhoid fever-----040	10	12	20	755	758	977	641	627	797	Apr. 1
Typhus fever, endemic-----101	-	1	*	39	60	*	*	*	*	*
Rabies in animals-----	69	30	65	3,117	3,102	3,876	483	331	503	Oct. 1

illnesses are related. Field and laboratory studies are in progress in several areas.

**Poliomyelitis** — There were 19 cases of poliomyelitis, 9 paralytic, reported for the week ending November 25. For the preceding week, there were 30 cases, 23 paralytic. The 19 cases reported this week represent the lowest since the 11 cases for the week ending July 22.

**Hepatitis** — The 1,129 cases of hepatitis reported for the 47th week are 86 cases less than reported for the 46th week. This represents 240 more cases than were reported for the 47th week of 1960. There has been a slight increase in the number of cases of hepatitis reported in the Middle Atlantic and South Atlantic States.

### EPIDEMIOLOGICAL REPORTS

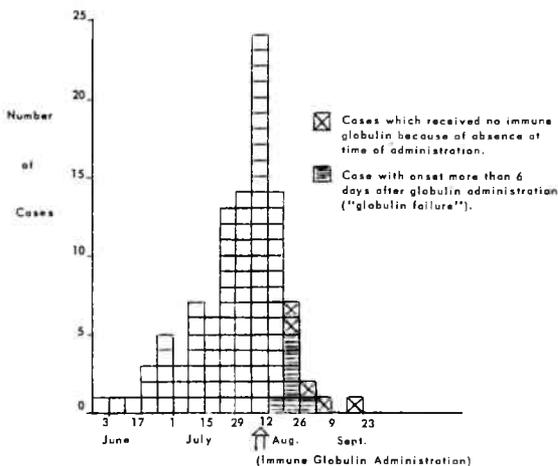
#### Infectious Hepatitis Alaska — Progress Report

From June through September 1961, 103 cases of infectious hepatitis occurred in the closely associated Alaskan Indian villages of Hoonah and Excursion Inlet. The mode of transmission of the disease was thought to be primarily person to person.

Hoonah is a fishing village with a winter population of 798 Tlingit Indians. It is situated on an island 40 miles west of Juneau. Excursion Inlet is located 20 miles away from Hoonah and has a summer population of approximately 300. About 150 of the inhabitants of Hoonah work in the salmon factory at Excursion Inlet during the summers. An initial report on the infectious hepatitis outbreak occurring there appeared in MMWR, Vol. 10, No. 34. This report gives further information on the outbreak and describes the results of the gamma globulin trials.

The time distribution of the cases of hepatitis, 84% of which were icteric, is shown in the graph below:

HOONAH — EXCURSION INLET HEPATITIS EPIDEMIC — 1961  
(Cases by week of onset)



At the height of the epidemic, between August 9 and August 12, 89% of the susceptible populations of Hoonah and Excursion Inlet were given immune globulin. Two hundred and seventeen received 0.06 cc. per pound, 221 received 0.01 cc. per pound, and 204 received 0.05 cc. per pound. A total of 80 individuals was absent at the time of administration of gamma globulin and did not receive any globulin. The age distribution of the three groups who received the different dosages of immune globulin was approximately the same; however, the individuals who did not receive gamma globulin fell into the older age groups. After the administration of immune globulin, 27 cases of infectious hepatitis occurred.

Group	Number	No. With Hepatitis Within 6 days	No. With Hepatitis After 6 days
No. immune globulin	80	—	5
0.06 cc./lb. globulin	217	5	2
0.01 cc./lb. globulin	221	4	3
0.005 cc./lb. globulin	204	6	2
Hepatitis prior to trial	76	—	—
<b>Total</b>	<b>798</b>	<b>15</b>	<b>12</b>

Fifteen of these cases occurred within 6 days after the administration of gamma globulin. The 12 other cases were distributed as follows: 2 cases, one icteric the other anicteric, occurred in the group that had received 0.06 cc. per pound of globulin; 3 cases, 2 icteric and one anicteric, occurred in the group that had received 0.01 cc. per pound immune globulin; 2 cases, both icteric, occurred in the group that had received 0.005 cc. per pound immune globulin; and 5 icteric cases occurred in the 80 individuals who had not received immune globulin. There was very little difference in the protection afforded by the different dosages of gamma globulin. Of the 642 individuals who had received gamma globulin, 7 or 1.1% developed hepatitis. On the other hand, of the 80 individuals who had received no immune globulin, 5 or 6.2% developed hepatitis. No cases of hepatitis have appeared in Hoonah or Excursion Inlet since the 23rd of September.

(Reported by the Alaska Division of Public Health, Dr. E. O. Wicks, Director, and a team from the Arctic Health Research Center and the Communicable Disease Center).

#### E. coli Diarrhea — Washington

Between October 2 and October 26, 1961 isolates of enteropathic *E. coli* serotype 0111:B4 were obtained from 12 patients on one pediatric ward in a hospital in the State of Washington. Three of the patients had severe diarrhea; in the remainder the severity ranged from moderate diarrhea to none at all. All patients on the ward were under one year of age; several were premature infants. The ward census ranged from 28 to 36 with a median census of 32 patients.

(Continued on page 8)

## Morbidity and Mortality Weekly Report

3

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED NOVEMBER 26, 1960 AND NOVEMBER 25, 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  340 pt.	Brucel- losis (undul- ant fever)  044
	Total (Includes cases not specified by type)				Paralytic 080.0,080.1				Nonparalytic			
	47th Week		Cumulative, first 47 weeks		47th Week		Cumulative, first 47 weeks		080.2			
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960		
UNITED STATES-----	19	40	1,247	3,065	9	36	806	2,137	6	2	33	15
NEW ENGLAND-----	1	1	36	227	-	1	25	179	-	-	1	-
Maine-----	-	1	4	48	-	1	4	47	-	-	-	-
New Hampshire-----	-	-	2	-	-	-	-	-	-	-	-	-
Vermont-----	-	-	9	11	-	-	8	6	-	-	-	-
Massachusetts-----	1	-	15	31	-	-	9	20	-	-	-	-
Rhode Island-----	-	-	1	102	-	-	1	78	-	-	1	-
Connecticut-----	-	-	5	35	-	-	3	28	-	-	-	-
MIDDLE ATLANTIC-----	2	8	330	459	-	7	219	327	1	1	3	-
New York-----	2	3	243	248	-	2	155	161	1	1	1	-
New Jersey-----	-	-	35	82	-	-	28	60	-	-	-	-
Pennsylvania-----	-	5	52	129	-	5	36	106	-	-	2	-
EAST NORTH CENTRAL-----	8	7	172	523	3	6	106	323	3	-	8	4
Ohio-----	1	2	47	121	-	1	21	63	-	-	2	-
Indiana-----	3	2	21	131	2	2	12	99	1	-	2	1
Illinois-----	1	2	35	143	1	2	18	96	-	-	3	1
Michigan-----	3	1	37	93	-	1	30	54	2	-	3	-
Wisconsin-----	-	-	32	35	-	-	25	11	-	-	-	2
WEST NORTH CENTRAL-----	1	1	73	174	1	-	33	101	-	-	3	9
Minnesota-----	-	-	6	54	-	-	6	44	-	-	3	-
Iowa-----	1	1	19	22	1	-	10	4	-	-	-	5
Missouri-----	-	-	24	44	-	-	7	32	-	-	-	-
North Dakota-----	-	-	4	14	-	-	1	5	-	-	-	-
South Dakota-----	-	-	3	5	-	-	1	1	-	-	-	-
Nebraska-----	-	-	8	16	-	-	4	9	-	-	-	4
Kansas-----	-	-	9	19	-	-	4	6	-	-	-	-
SOUTH ATLANTIC-----	2	6	213	572	2	6	156	453	-	-	1	1
Delaware-----	-	-	2	-	-	-	1	-	-	-	-	-
Maryland-----	-	-	41	150	-	-	31	135	-	-	-	-
District of Columbia-----	-	-	3	5	-	-	3	5	-	-	-	-
Virginia-----	1	3	12	47	1	3	12	43	-	-	1	-
West Virginia-----	-	1	32	59	-	1	22	48	-	-	-	-
North Carolina-----	-	1	21	91	-	1	11	68	-	-	-	1
South Carolina-----	-	-	34	129	-	-	26	87	-	-	-	-
Georgia-----	-	1	30	24	-	1	23	22	-	-	-	-
Florida-----	1	-	38	67	1	-	27	45	-	-	-	-
EAST SOUTH CENTRAL-----	-	5	83	247	-	5	48	105	-	-	3	-
Kentucky-----	-	-	27	130	-	-	5	5	-	-	-	-
Tennessee-----	-	4	20	52	-	4	9	35	-	-	1	-
Alabama-----	-	-	11	23	-	-	11	23	-	-	1	-
Mississippi-----	-	1	25	42	-	1	23	42	-	-	1	-
WEST SOUTH CENTRAL-----	1	2	151	279	1	2	84	177	-	-	-	1
Arkansas-----	1	-	21	31	1	-	10	23	-	-	-	1
Louisiana-----	-	-	54	49	-	-	43	30	-	-	-	-
Oklahoma-----	-	-	4	17	-	-	-	12	-	-	-	-
Texas-----	-	2	72	182	-	2	31	112	-	-	-	-
MOUNTAIN-----	-	-	45	92	-	-	26	47	-	-	1	-
Montana-----	-	-	4	21	-	-	2	15	-	-	-	-
Idaho-----	-	-	14	10	-	-	6	1	-	-	-	-
Wyoming-----	-	-	-	20	-	-	-	1	-	-	-	-
Colorado-----	-	-	8	19	-	-	8	18	-	-	-	-
New Mexico-----	-	-	3	7	-	-	-	4	-	-	-	-
Arizona-----	-	-	8	8	-	-	-	6	-	-	1	-
Utah-----	-	-	8	7	-	-	4	2	-	-	-	-
Nevada-----	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC-----	4	10	144	492	2	9	109	425	2	1	13	-
Washington-----	4	-	29	36	2	-	19	36	2	-	-	-
Oregon-----	-	-	17	36	-	-	8	19	-	-	-	-
California-----	-	10	93	410	-	9	77	360	-	1	13	-
Alaska-----	-	-	-	2	-	-	-	2	-	-	-	-
Hawaii-----	-	-	5	8	-	-	5	8	-	-	-	-
Puerto Rico-----	-	6	7	498	-	6	7	489	-	-	-	-

## Morbidity and Mortality Weekly Report

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED NOVEMBER 26, 1960 AND NOVEMBER 25, 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	
	47th Week		Cumulative, first 47 weeks		082		47th Week		Cumulative, first 47 weeks		085	
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960
UNITED STATES-----	8	28	515	720	19	22	1,129	889	66,265	35,676	2,183	2,371
NEW ENGLAND-----	-	-	8	12	1	-	51	40	2,169	1,038	372	194
Maine-----	-	-	-	2	-	-	7	2	158	70	89	9
New Hampshire-----	-	-	-	-	-	-	4	-	197	30	61	-
Vermont-----	-	-	-	-	-	-	1	9	188	25	4	3
Massachusetts-----	-	-	7	9	-	-	27	11	928	501	198	134
Rhode Island-----	-	-	1	1	-	-	4	6	237	196	3	32
Connecticut-----	-	-	1	-	1	-	8	12	461	216	17	16
MIDDLE ATLANTIC-----	-	-	20	16	2	6	138	108	8,940	4,408	261	536
New York-----	-	-	7	4	2	4	65	46	3,858	2,375	144	202
New Jersey-----	-	-	-	2	-	2	42	11	2,122	320	75	90
Pennsylvania-----	-	-	13	10	-	-	31	51	2,960	1,713	42	244
EAST NORTH CENTRAL-----	-	-	16	41	3	4	251	180	13,258	6,438	331	697
Ohio-----	-	-	1	16	-	-	96	78	4,411	2,226	28	244
Indiana-----	-	-	2	7	-	1	28	19	1,941	736	21	35
Illinois-----	-	-	10	6	2	1	29	25	2,413	1,387	151	19
Michigan-----	-	-	3	10	1	2	87	57	4,154	1,868	68	93
Wisconsin-----	-	-	-	2	-	-	11	1	339	221	63	306
WEST NORTH CENTRAL-----	1	6	46	56	2	-	116	69	6,372	2,487	132	87
Minnesota-----	1	6	31	32	-	-	57	23	1,519	426	19	9
Iowa-----	-	-	2	8	-	-	23	10	1,838	396	34	2
Missouri-----	-	-	1	2	-	-	18	20	1,375	843	1	15
North Dakota-----	-	-	4	2	-	-	1	4	133	171	48	61
South Dakota-----	-	-	6	9	-	-	3	4	194	145	30	-
Nebraska-----	-	-	2	1	-	-	6	8	619	254	-	-
Kansas-----	-	-	-	2	2	-	8	-	694	252	NN	NN
SOUTH ATLANTIC-----	1	-	125	209	2	1	195	98	8,475	4,115	159	295
Delaware-----	-	-	-	-	-	-	4	11	181	256	3	96
Maryland-----	-	-	1	1	-	1	15	12	733	418	26	6
District of Columbia-----	-	-	3	-	-	-	5	4	129	58	3	1
Virginia-----	-	-	15	39	-	-	24	8	1,397	724	39	70
West Virginia-----	-	-	1	4	-	-	24	25	1,477	785	42	38
North Carolina-----	1	-	11	14	1	-	73	14	1,988	381	25	50
South Carolina-----	-	-	13	50	-	-	29	3	475	149	-	21
Georgia-----	-	-	39	34	-	-	1	3	722	257	3	-
Florida-----	-	-	42	67	1	-	20	18	1,373	1,087	18	13
EAST SOUTH CENTRAL-----	2	13	41	115	2	3	129	148	9,884	5,064	183	61
Kentucky-----	-	11	9	40	-	-	34	51	2,880	1,772	35	-
Tennessee-----	-	1	3	9	-	2	60	49	3,885	1,703	134	55
Alabama-----	2	-	22	33	-	-	23	32	1,689	1,100	12	6
Mississippi-----	-	1	7	33	2	1	12	16	1,430	489	2	-
WEST SOUTH CENTRAL-----	4	9	239	234	1	4	40	45	4,758	2,730	151	77
Arkansas-----	-	-	4	16	1	-	10	10	934	201	14	4
Louisiana-----	1	2	29	63	-	-	3	9	525	166	1	-
Oklahoma-----	-	-	9	25	-	-	2	-	322	318	12	1
Texas-----	3	7	197	130	-	4	25	26	2,977	2,045	124	72
MOUNTAIN-----	-	-	12	36	1	-	63	66	3,754	2,759	116	170
Montana-----	-	-	2	3	-	-	4	10	329	156	-	25
Idaho-----	-	-	-	11	-	-	18	13	297	308	5	13
Wyoming-----	-	-	-	5	-	-	2	3	156	34	35	1
Colorado-----	-	-	4	3	-	-	22	18	1,303	1,001	21	50
New Mexico-----	-	-	5	4	-	-	3	6	308*	302	NN	-
Arizona-----	-	-	-	3	-	-	4	10	622	602	26	63
Utah-----	-	-	-	7	1	-	4	3	603	257	29	17
Nevada-----	-	-	1	-	-	-	6	3	136	99	-	1
PACIFIC-----	-	-	8	1	5	4	146	135	8,655	6,637	478	254
Washington-----	-	-	2	-	-	-	16	24	991	875	213	63
Oregon-----	-	-	-	-	-	-	23	10	1,366	1,041	65	94
California-----	-	-	2	-	5	4	99	95	5,825	4,416	147	90
Alaska-----	-	-	4	1	-	-	7	4	405	225	49	6
Hawaii-----	-	-	-	-	-	-	1	2	68	80	4	1
Puerto Rico-----	1	1	58	130	-	-	7	17	904	701	30	18

\*Transmission error - Deduct 113 cases for week ending February 25, 1961.

NN-Not Notifiable

# Morbidity and Mortality Weekly Report

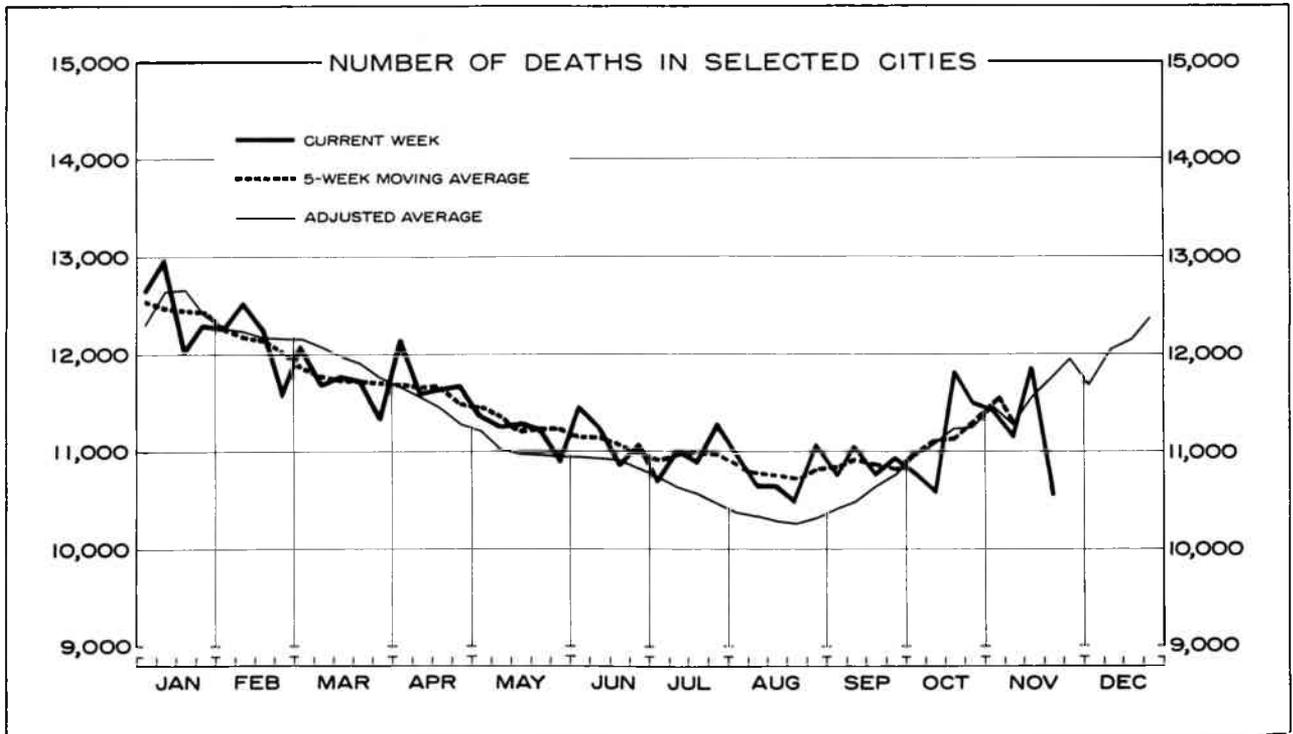
5

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED NOVEMBER 26, 1960 AND NOVEMBER 25, 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	47th Week		Cumulative, first 47 weeks		101	1961	1960
	1961	1961	1960	1961	1961	1961	1960	1961	1960	1961	1961	1960
UNITED STATES-----	-	43	30	3	4,855	10	12	755	758	-	69	30
NEW ENGLAND-----	-	4	-	-	244	-	-	20	11	-	-	-
Maine-----	-	2	-	-	3	-	-	1	2	-	-	-
New Hampshire-----	-	-	-	-	2	-	-	-	-	-	-	-
Vermont-----	-	-	-	-	1	-	-	-	-	-	-	-
Massachusetts-----	-	1	-	-	63	-	-	14	5	-	-	-
Rhode Island-----	-	1	-	-	41	-	-	2	-	-	-	-
Connecticut-----	-	-	-	-	134	-	-	3	4	-	-	-
MIDDLE ATLANTIC-----	-	8	7	1	173	-	1	92	54	-	3	9
New York-----	-	2	1	1	107	-	-	51	33	-	3	9
New Jersey-----	-	2	3	-	37	-	1	17	7	-	-	-
Pennsylvania-----	-	4	3	-	29	-	-	24	14	-	-	-
EAST NORTH CENTRAL-----	-	12	6	1	498	2	3	100	98	-	8	1
Ohio-----	-	3	1	-	76	2	2	41	29	-	2	1
Indiana-----	-	1	1	-	98	-	-	21	24	-	3	-
Illinois-----	-	2	1	-	59	-	-	29	21	-	1	-
Michigan-----	-	5	3	-	148	-	-	6	16	-	2	-
Wisconsin-----	-	1	-	1	117	-	1	3	8	-	-	-
WEST NORTH CENTRAL-----	-	4	1	-	201	1	-	35	46	-	15	6
Minnesota-----	-	2	-	-	22	-	-	5	1	-	6	1
Iowa-----	-	-	-	-	36	-	-	2	11	-	2	3
Missouri-----	-	-	-	-	1	1	-	21	24	-	3	1
North Dakota-----	-	-	1	-	52	-	-	-	1	-	-	-
South Dakota-----	-	2	-	-	-	-	-	3	4	-	2	1
Nebraska-----	-	-	-	-	-	-	-	1	3	-	2	-
Kansas-----	-	-	-	-	90	-	-	3	2	-	-	-
SOUTH ATLANTIC-----	-	6	3	-	230	1	2	127	115	-	5	3
Delaware-----	-	-	-	-	2	-	-	1	1	-	-	-
Maryland-----	-	-	-	-	8	1	-	4	6	-	-	-
District of Columbia-----	-	-	-	-	1	-	-	13	9	-	-	-
Virginia-----	-	-	-	-	75	-	-	20	24	-	4	3
West Virginia-----	-	2	1	-	56	-	2	10	14	-	1	-
North Carolina-----	-	3	2	-	22	-	-	16	9	-	-	-
South Carolina-----	-	-	-	-	17	-	-	8	12	-	-	-
Georgia-----	-	-	-	-	3	-	-	36	27	-	-	-
Florida-----	-	1	-	-	46	-	-	19	13	-	-	-
EAST SOUTH CENTRAL-----	-	-	3	-	817	-	3	80	117	-	6	1
Kentucky-----	-	-	-	-	56	-	2	18	31	-	3	-
Tennessee-----	-	-	-	-	724	-	-	50	55	-	3	-
Alabama-----	-	-	3	-	10	-	-	10	23	-	-	1
Mississippi-----	-	-	-	-	27	-	1	2	8	-	-	-
WEST SOUTH CENTRAL-----	-	3	-	-	560	2	1	157	202	-	24	9
Arkansas-----	-	-	-	-	7	-	-	31	52	-	12	-
Louisiana-----	-	2	-	-	3	2	-	27	59	-	1	-
Oklahoma-----	-	-	-	-	7	-	-	12	12	-	-	-
Texas-----	-	1	-	-	543	-	1	87	79	-	11	9
MOUNTAIN-----	-	1	-	-	1,081	2	-	64	45	-	2	-
Montana-----	-	-	-	-	61	2	-	20	13	-	-	-
Idaho-----	-	-	-	-	83	-	-	1	3	-	-	-
Wyoming-----	-	-	-	-	54	-	-	3	4	-	-	-
Colorado-----	-	-	-	-	261	-	-	7	1	-	-	-
New Mexico-----	-	-	-	-	273	-	-	17	12	-	2	-
Arizona-----	-	-	-	-	201	-	-	10	10	-	-	-
Utah-----	-	-	-	-	146	-	-	2	2	-	-	-
Nevada-----	-	1	-	-	2	-	-	4	-	-	-	-
PACIFIC-----	-	5	10	1	1,051	2	2	80	70	-	6	1
Washington-----	-	1	-	-	318	-	-	7	5	-	-	-
Oregon-----	-	1	1	-	38	-	-	1	8	-	-	-
California-----	-	3	8	1	596	2	2	70	56	-	6	1
Alaska-----	-	-	1	-	14	-	-	-	1	-	-	-
Hawaii-----	-	-	-	-	85	-	-	2	-	-	-	-
Puerto Rico-----	-	-	-	-	6	-	-	22	20	-	-	-

## 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	47th week ended Nov. 25, 1961	46th week ended Nov. 18, 1961	Adjusted average, 47th week 1956-60	Percent change, adjusted average to current week	Cumulative, first 47 weeks		
					1961	1960	Percent change
TOTAL, 117 REPORTING CITIES-----	10,539	11,856	11,721	-10.1	535,933	538,193	-0.4
New England----- (14 cities)	606	741	689	-12.0	32,981	33,849	-2.6
Middle Atlantic----- (20 cities)	2,954*	3,379	3,158	-6.5	152,187	149,714	+1.7
East North Central----- (21 cities)	2,332*	2,621	2,495	-6.5	114,729	116,604	-1.6
West North Central----- (9 cities)	736	769	848	-13.2	36,581	37,345	-2.0
South Atlantic----- (11 cities)	846	987	996	-15.1	46,250	46,126	+0.3
East South Central----- (8 cities)	528*	560	542	-2.6	24,272	24,303	-0.1
West South Central----- (13 cities)	832*	987	1,087	-23.5	45,704	46,741	-2.2
Mountain----- (8 cities)	325	368	371	-12.4	17,110	16,885	+1.3
Pacific----- (13 cities)	1,380	1,444	1,535	-10.1	66,119	66,626	-0.8

\*Includes estimate for missing reports.

# Morbidity and Mortality Weekly Report

7

Table 4. DEATHS IN SELECTED CITIES

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

Area	47th week ended Nov. 25, 1961	46th week ended Nov. 18, 1961	Cumulative, first 47 weeks		Area	47th week ended Nov. 25, 1961	46th week ended Nov. 18, 1961	Cumulative, first 47 weeks	
			1961	1960				1961	1960
<b>NEW ENGLAND:</b>					<b>WEST NORTH CENTRAL—Con.:</b>				
Boston, Mass.-----	194	256	11,310	11,774	St. Louis, Mo.-----	198	222	11,024	11,413
Bridgeport, Conn.-----	38	55	1,831	1,926	St. Paul, Minn.-----	60	82	3,088	3,240
Cambridge, Mass.-----	27	24	1,365	1,432	Wichita, Kans.-----	59	55	2,200	2,170
Fall River, Mass.-----	22	35	1,295	1,320	<b>SOUTH ATLANTIC:</b>				
Hartford, Conn.-----	53	46	2,288	2,304	Atlanta, Ga.-----	85	120	5,311	5,506
Lowell, Mass.-----	10	38	1,160	1,115	Baltimore, Md.-----	218	225	11,465	11,744
Lynn, Mass.-----	29	25	1,030	1,139	Charlotte, N.C.-----	26	20	1,684	1,801
New Bedford, Mass.-----	19	27	1,209	1,164	Jacksonville, Fla.-----	49	66	2,706	2,760
New Haven, Conn.-----	27	33	2,094	2,087	Miami, Fla.-----	56	94	3,529	3,348
Providence, R.I.-----	68	64	2,923	3,002	Norfolk, Va.-----	38	44	2,317	1,863
Somerville, Mass.-----	13	13	613	625	Richmond, Va.-----	83	89	3,643	3,661
Springfield, Mass.-----	39	48	2,069	2,118	Savannah, Ga.-----	23	26	1,516	1,577
Waterbury, Conn.-----	22	20	1,231	1,300	St. Petersburg, Fla.-----	(67)	(51)	(3,136)	(3,283)
Worcester, Mass.-----	45	57	2,563	2,543	Tampa, Fla.-----	57	55	3,035	3,058
<b>MIDDLE ATLANTIC:</b>					<b>EAST SOUTH CENTRAL:</b>				
Albany, N.Y.-----	43	54	2,173	2,035	Birmingham, Ala.-----	94	89	4,012	3,952
Allentown, Pa.-----	32	30	1,599	1,638	Chattanooga, Tenn.-----	27	40	2,171	2,211
Buffalo, N.Y.-----	123	149	6,789	6,738	Knoxville, Tenn.-----	29*	40	1,310	1,310
Camden, N.J.-----	47	37	1,978	1,991	Louisville, Ky.-----	96	121	5,295	5,304
Elizabeth, N.J.-----	18	37	1,389	1,375	Memphis, Tenn.-----	155	119	5,318	5,204
Erie, Pa.-----	34	34	1,817	1,810	Mobile, Ala.-----	37	38	1,881	1,942
Jersey City, N.J.-----	61	95	3,236	3,325	Montgomery, Ala.-----	18	39	1,505	1,601
Newark, N.J.-----	89*	101	4,737	4,530	Nashville, Tenn.-----	72	74	2,780	2,779
New York City, N.Y.-----	1,548	1,674	77,727	76,512	<b>WEST SOUTH CENTRAL:</b>				
Paterson, N.J.-----	37	43	1,824	1,795	Austin, Tex.-----	16	33	1,568	1,568
Philadelphia, Pa.-----	461	512	23,637	22,729	Baton Rouge, La.-----	23*	23	1,313	1,340
Pittsburgh, Pa.-----	151	233	8,902	8,958	Corpus Christi, Tex.-----	17	27	1,031	1,085
Reading, Pa.-----	19	21	1,090	1,107	Dallas, Tex.-----	117	125	5,828	5,822
Rochester, N.Y.-----	97	107	4,756	4,728	El Paso, Tex.-----	34	37	1,637	1,766
Schenectady, N.Y.-----	25	23	1,135	1,091	Fort Worth, Tex.-----	51	72	3,021	3,097
Scranton, Pa.-----	32	36	1,650	1,784	Houston, Tex.-----	108	168	7,676	7,809
Syracuse, N.Y.-----	60	86	2,891	2,933	Little Rock, Ark.-----	51	39	2,627	2,666
Trenton, N.J.-----	29	43	2,085	1,909	New Orleans, La.-----	149	198	7,875	8,348
Utica, N.Y.-----	23	32	1,332	1,271	Oklahoma City, Okla.-----	57	89	3,454	3,504
Yonkers, N.Y.-----	25	32	1,440	1,455	San Antonio, Tex.-----	104	95	4,746	4,658
<b>EAST NORTH CENTRAL:</b>					<b>MOUNTAIN:</b>				
Akron, Ohio-----	47	57	2,675	2,653	Albuquerque, N. Mex.-----	20	47	1,485	1,492
Canton, Ohio-----	35	38	1,484	1,628	Colorado Springs, Colo.-----	17	9	768	783
Chicago, Ill.-----	698	817	34,743	35,968	Denver, Colo.-----	106	100	5,389	5,581
Cincinnati, Ohio-----	148	189	7,334	7,349	Ogden, Utah-----	22	20	798	773
Cleveland, Ohio-----	152	225	9,470	9,895	Phoenix, Ariz.-----	68	80	3,828	3,559
Columbus, Ohio-----	117	144	5,371	5,554	Pueblo, Colo.-----	14	17	788	766
Dayton, Ohio-----	68*	75	3,723	3,555	Salt Lake City, Utah-----	43	51	2,255	2,266
Detroit, Mich.-----	332	350	15,569	15,763	Tucson, Ariz.-----	35	44	1,799	1,665
Evansville, Ind.-----	39	38	1,696	1,745	<b>PACIFIC:</b>				
Flint, Mich.-----	43	40	1,993	1,884	Berkeley, Calif.-----	14	12	790	786
Fort Wayne, Ind.-----	33	36	1,777	1,719	Fresno, Calif.-----	(42)	(37)	(2,023)	(2,047)
Gary, Ind.-----	30*	27	1,436	1,428	Glendale, Calif.-----	(22)	(36)	(1,557)	(1,730)
Grand Rapids, Mich.-----	45	50	2,123	1,928	Honolulu, Hawaii-----	44	42	1,894	1,927
Indianapolis, Ind.-----	149	126	6,689	6,771	Long Beach, Calif.-----	40	69	2,595	2,565
Madison, Wis.-----	27	43	1,554	1,529	Los Angeles, Calif.-----	488	514	23,406	23,406
Milwaukee, Wis.-----	122	103	5,748	5,837	Oakland, Calif.-----	111	91	4,576	4,443
Peoria, Ill.-----	30	40	1,337	1,411	Pasadena, Calif.-----	30	37	1,564	1,617
Rockford, Ill.-----	27	35	1,334	1,347	Portland, Ore.-----	116	115	5,022	5,134
South Bend, Ind.-----	27	34	1,337	1,372	Sacramento, Calif.-----	59	61	2,906	2,724
Toledo, Ohio-----	102	96	4,618	4,680	San Diego, Calif.-----	94	103	4,176	4,280
Youngstown, Ohio-----	61	58	2,718	2,588	San Francisco, Calif.-----	174	169	9,070	9,221
<b>WEST NORTH CENTRAL:</b>					<b>San Jose, Calif.-----</b>				
Des Moines, Iowa-----	56	55	2,524	2,573	(27)	(36)	(1,637)	(1,629)	
Duluth, Minn.-----	16	21	1,199	1,183	Seattle, Wash.-----	135	134	6,113	6,388
Kansas City, Kans.-----	36	33	1,764	1,651	Spokane, Wash.-----	44	61	2,230	2,243
Kansas City, Mo.-----	158	112	6,013	5,834	Tacoma, Wash.-----	31	36	1,783	1,892
Lincoln, Nebr.-----	(26)	(28)	(1,305)	(1,215)	<b>San Juan, P. R.-----</b>				
Minneapolis, Minn.-----	105	116	5,539	5,845	(36)	(32)	(1,560)	(1,661)	
Omaha, Nebr.-----	48	73	3,230	3,436					

\*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.

## Morbidity and Mortality Weekly Report

In the following table, data on the 12 infected patients are given for age, sex, date of admission to hospital, date of onset of diarrhea (or date of positive stool specimen if no diarrhea occurred), and admitting diagnosis:

Age	Sex	Date Admitted	Diarrhea or Culture	Admission Diagnosis
1. 6 wks.	M	10/4/61	10/2/61	Dehydration and diarrhea
2. 4 mo.	M	10/20/61	10/14/61	Vomiting and diarrhea
3. 2 mo.	M	10/12/61	10/17/61	Galactosemia
4. 3 mo.	M	10/11/61	10/18/61	Croup
5. 6 wks.	M	9/21/61	10/22/61	Neurologic problems
6. 3 wks.	M	10/9/61	10/22/61	Tracheo-esophageal fistula
7. 5 mo.	F	10/20/61	10/23/61	Fibrocystic disease
8. 3 mo.	M	9/5/61	10/24/61	Meningocele
9. 2 mo.	F	9/13/61	10/24/61	Encephalocele
10. 3 mo.	M	10/21/61	10/24/61	Vomiting
11. 3½ mo.	M	10/21/61	10/26/61	Atelectasis
12. 2½ mo.	M	9/25/61	10/26/61	Premature

An additional infant with coarctation of the aorta and recurring cardiac failure was discharged from this ward on October 2, 1961 and admitted to another hospital the following day. Diarrhea began on October 6 and enteropathic *E. coli*, serotype 0111:B4 were isolated from the stool. This child died.

On October 23 the ward was closed to new admissions, and all patients were started on Neomycin 0.1 gm. per kilogram of body weight every 24 hours. Treatment was given for 7 to 10 days. By November 7th 10 patients remained on the ward and Neomycin was discontinued. Reculturing of the patients on November 10 revealed two positive isolations for 0111:B4. These two cases were restarted on Neomycin and on November 13 transferred to a ward of older children. The ward rooms were cleaned and repainted prior to the reopening of the ward to new patients.

During the calendar year of 1960, 30 enteropathic *E. coli* isolations were made in the Seattle-King County Department of Public Health. Through October 31, 1961 there were 26 isolations implicating 7 different serotypes.

Serotype	Number of Isolations
0125:B15	1
026:B6	5
0119:B14	3
055:B5	2
0127:B8	1
0111:B4	12 (9 hospital outbreak)
0126:B16	2
	26 (25 Patients)

One of the patients from whom serotype 0126:B16 was isolated yielded 0111:B4 on follow-up examination. All of these patients were less than 2 years of age except one, a physician whose diarrhea began while traveling in Mexico and from whom the serotype, 0127:B8, was obtained. These isolations were made throughout the year.

Twelve of the 25 patients were reported from physicians' offices rather than hospitals.

(Reported by Dr. Donald R. Peterson, Director, Division of Epidemiology and Communicable Disease Control of Seattle-King County Health Department; and Dr. Ernest A. Ager, Head Communicable Disease Control, State of Washington Department of Health.)

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  
Official Business

Library  
81  
7 61  
CDC

POSTAGE AND FEES PAID  
U. S. DEPARTMENT OF H. E. M.  
MAIL