

# Morbidity and Mortality

Weekly Report

PUBLIC HEALTH SERVICE

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

Prepared by the

COMMUNICABLE DISEASE CENTER

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Vol. 10, No. 32

## Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended August 12, 1961

**Poliomyelitis** - There was a notable increase in both paralytic and total cases this week. The total for the current week was 54 cases of which 36 were paralytic. For the previous week, the total was 36, including 27 paralytic cases.

Despite the rise in cases this week, the number of cases reported continues below the past years' experience as shown in the graphs on page 2.

Three additional paralytic cases were reported from Frederick County, Maryland, bringing to nine the number of paralytic cases occurring in that county this year. The nine cases have occurred as follows:

Week Ending	7/1	7/8	7/15	7/22	7/29	8/5
Paralytic cases	3	0	3	1	1	1

Seven of the nine cases have been unvaccinated; there have been seven type III poliovirus isolations from the nine cases.

Of the 7 cases reported from Louisiana, 3 were paralytic. Two of the paralytic cases and one of the four non-paralytic cases were from New Orleans. Six cases in all have occurred this year in New Orleans as follows:

Poliomyelitis Cases (Cumulative)  
Weeks 1 through 32 - 1957 Through 1961

	1961	1960	1959	1958	1957
Paralytic	270	777	1,892	716	976
Total	417	1,074	2,924	1,457	2,923

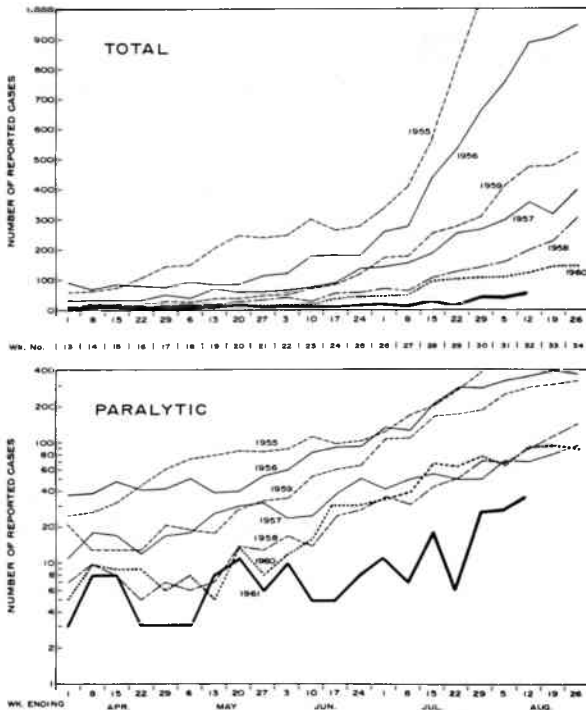
Table 1. Cases of Specified Notifiable Diseases: United States

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

Disease (Seventh Revision of International Lists, 1955)	32nd Week			Cumulative						Approximate seasonal low point
	Ended Aug. 12, 1961	Ended Aug. 13, 1960	Median 1956-60	First 32 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	-	-	*	5	10	*	*	*	*	*
Botulism-----049.1	-	2	*	4	8	*	*	*	*	*
Brucellosis (undulant fever)-----044	10	18	19	378	515	505	*	*	*	*
Diphtheria-----055	-	9	9	340	378	461	31	51	64	July 1
Encephalitis, infectious-----082	46	58	54	963	1,063	1,008	963	1,063	1,008	Jan. 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	1,023	645	276	49,739	23,400	13,259	64,946	30,920	18,872	Sept. 1
Malaria-----110-117	-	2	*	35	37	*	*	*	*	*
Measles-----085	1,746	1,886	1,932	382,274	396,021	443,647	418,484	428,635	480,316	Sept. 1
Meningitis, aseptic-----340 pt.	132	108	---	1,285	1,227	---	1,285	1,227	---	Jan. 1
Meningococcal infections-----057	29	30	31	1,414	1,455	1,591	2,070	2,187	2,368	Sept. 1
Poliomyelitis-----080	54	126	356	417	1,074	2,919	314	860	2,391	Apr. 1
Paralytic-----080.0,080.1	36	97	70	270	777	973	210	622	698	Apr. 1
Nonparalytic-----080.2	16	23	205	95	222	1,488	70	189	1,327	Apr. 1
Unspecified-----080.3	2	6	81	52	75	458	34	49	366	Apr. 1
Psittacosis-----096.2	2	4	*	45	68	*	*	*	*	*
Rabies in man-----084	-	-	*	3	1	*	*	*	*	*
Streptococcal sore throat, including scarlet fever-----050,051	3,193	3,447	---	225,336	214,776	---	6,125	---	---	Aug. 1
Typhoid fever-----040	15	29	30	421	464	543	307	333	363	Apr. 1
Typhus fever, endemic-----101	1	-	*	24	50	*	*	*	*	*
Rabies in animals-----	60	55	71	2,222	2,436	2,968	2,798	3,409	3,811	Oct. 1

Figure 1 CURRENT U.S. POLIO INCIDENCE  
COMPARED WITH YEARS 1955-1960; APRIL-AUGUST, BY WEEK

PROVISIONAL DATA SUPPLIED BY NATIONAL OFFICE OF VITAL STATISTICS  
AND COMMUNICABLE DISEASE CENTER



Date of Onset	Age	Race	Sex	Paralytic Status	Vaccine Status	Laboratory
April 29	16 mos.	N	F	Paralytic	OV	Type I
June 7	2	N	M	Paralytic	OV	Type I
June 15	11	W	M	Paralytic	OV	Type III
June 28	3	N	M	Paralytic	OV	
July 2	4	N	M	Paralytic	?	Type I
July 2	2	W	M	Non-paralytic	OV	Type I

Three additional suspect cases of more recent onset are being investigated.

The six paralytic cases from New York are from 6 different counties including one from Madison County. Not yet reflected in the telegraphic reports are three additional paralytic cases from the Oneida City vicinity (Madison County) and a fourth case across the county line in Oneida County. The onsets of the five cases range from August 2 to August 8. A previous case occurred in Madison County on June 28.

The three paralytic cases in Georgia are all from the Atlanta area. All had onsets in late July; none had either Salk or Sabin vaccine. This brings the reported total in the Atlanta area to 11 cases, 10 paralytic.

## EPIDEMIOLOGICAL REPORT

### Hepatitis Cases by Age - United States

The observation of an unusual proportion of hepatitis cases among adults in New Jersey and the revelation of an underlying cause, a common source epidemic traceable to Raritan Bay - derived clams, led to the initiation on April 29, 1961 of the nation-wide reporting of cases by age - under 20 years and 20 years or over (MMWR, Vol. 10, No. 17). A total of 33 States were able to provide this age breakdown routinely beginning with the first week; all but a few States now routinely report this information.

A summary of reports received since April 29 through the present week appears on page 8. For the country, as a whole, 40.9% of the cases occurred among those 20 years of age and over. No States except those in the New England, Middle Atlantic and Pacific districts show a percentage of cases 20 years and over which exceeds 50%. In only three States does the proportion of cases among adults exceed 60%. These States are New Jersey, Connecticut and New York which show figures of 73, 63, and 62 percent, respectively.

It is pertinent to note that since the week of July 8, California has reported 982 cases of hepatitis, 368 of which were in persons under 20 years of age, 588 over 20, and 26 unspecified. Thus, during the past six weeks, 62% of cases from California have also been among adults.

### International Notes

Cholera - A bacteriologically confirmed case of cholera has been reported through WHO from the Portugese Colony of Macao. Macao is located on the South China Coast, 35 miles from Hong Kong. This case follows unconfirmed reports of cholera in epidemic form occurring since early August in the bordering Chinese mainland province of Kwangtung.

For all travelers to the Hong Kong area, cholera immunization is strongly recommended.

### 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
Florida	Broward County Health	Monday-Friday	No
Fort Lauderdale	Department	8 a.m.	
	605 S. W. 26th Street		
	Tel. JA 3-1461		

# Morbidity and Mortality Weekly Report

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED AUGUST 13, 1960 AND AUGUST 12, 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			
	32nd Week		Cumulative, first 32 weeks		32nd Week		Cumulative, first 32 weeks		080.2			
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960		
UNITED STATES-----	54	126	417	1,074	36	97	270	777	16	23	132	10
NEW ENGLAND-----	1	5	5	105	1	3	5	88	-	2	22	-
Maine-----	-	-	-	6	-	-	-	6	-	-	1	-
New Hampshire-----	-	-	-	-	-	-	-	-	-	-	-	-
Vermont-----	-	-	1	-	-	-	1	-	-	-	-	-
Massachusetts-----	-	4	2	14	-	2	2	12	-	2	10	-
Rhode Island-----	-	1	-	79	-	1	-	64	-	-	11	-
Connecticut-----	1	-	2	6	1	-	2	6	-	-	-	-
MIDDLE ATLANTIC-----	7	21	36	113	7	18	33	87	-	3	7	-
New York-----	6	5	18	69	6	4	16	51	-	1	5	-
New Jersey-----	1	11	10	27	1	10	9	24	-	1	-	-
Pennsylvania-----	-	5	8	17	-	4	8	12	-	1	2	-
EAST NORTH CENTRAL-----	7	16	39	134	3	10	22	69	3	4	24	1
Ohio-----	1	1	14	31	-	1	6	12	1	-	1	-
Indiana-----	-	4	4	20	-	3	3	13	-	1	1	-
Illinois-----	3	9	12	45	1	5	7	31	2	2	10	1
Michigan-----	1	2	4	31	1	1	4	12	-	1	12	-
Wisconsin-----	2	-	5	7	1	-	2	1	-	-	-	-
WEST NORTH CENTRAL-----	3	8	26	62	1	4	11	36	2	3	8	3
Minnesota-----	-	2	3	24	-	2	3	18	-	-	7	-
Iowa-----	2	1	6	10	1	-	2	2	1	1	-	3
Missouri-----	-	-	8	10	-	-	2	7	-	-	-	-
North Dakota-----	1	-	1	3	-	-	-	2	1	-	-	-
South Dakota-----	-	1	-	3	-	-	-	1	-	-	-	-
Nebraska-----	-	2	3	4	-	1	2	3	-	1	-	-
Kansas-----	-	2	5	8	-	1	2	3	-	1	1	-
SOUTH ATLANTIC-----	17	25	84	180	14	21	62	129	2	4	9	2
Delaware-----	-	-	2	-	-	-	1	-	-	-	-	-
Maryland-----	3	1	11	3	3	1	11	2	-	-	-	-
District of Columbia-----	-	-	1	-	-	-	1	-	-	-	1	-
Virginia-----	4	3	6	6	2	1	4	4	2	2	8	-
West Virginia-----	4	3	11	16	3	3	7	13	-	-	-	-
North Carolina-----	-	3	7	36	-	3	5	32	-	-	-	-
South Carolina-----	1	12	8	73	1	11	7	47	-	1	-	-
Georgia-----	3	-	22	5	3	-	16	4	-	-	-	1
Florida-----	2	3	16	41	2	2	10	27	-	1	-	1
EAST SOUTH CENTRAL-----	-	8	36	47	-	8	18	43	-	-	7	-
Kentucky-----	-	-	18	8	-	-	4	5	-	-	-	-
Tennessee-----	-	3	8	8	-	3	4	7	-	-	2	-
Alabama-----	-	1	5	9	-	1	5	9	-	-	-	-
Mississippi-----	-	4	5	22	-	4	5	22	-	-	5	-
WEST SOUTH CENTRAL-----	10	10	73	145	4	8	36	87	6	2	15	1
Arkansas-----	-	-	4	8	-	-	1	3	-	-	1	-
Louisiana-----	7	1	22	37	3	-	15	24	4	1	-	-
Oklahoma-----	-	-	2	8	-	-	-	5	-	-	-	-
Texas-----	3	9	45	92	1	8	20	55	2	1	14	1
MOUNTAIN-----	3	5	35	37	1	2	20	19	2	-	4	3
Montana-----	-	1	3	13	-	1	2	9	-	-	4	2
Idaho-----	2	1	11	5	-	-	5	1	2	-	-	-
Wyoming-----	-	2	-	6	-	-	-	-	-	-	-	-
Colorado-----	1	-	4	4	1	-	4	4	-	-	-	-
New Mexico-----	-	-	3	2	-	-	-	-	-	-	-	-
Arizona-----	-	1	7	4	-	1	5	4	-	-	-	-
Utah-----	-	-	7	3	-	-	4	1	-	-	-	1
Nevada-----	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC-----	6	28	83	251	5	23	63	219	1	5	36	-
Washington-----	2	5	15	15	2	5	11	15	-	-	5	-
Oregon-----	2	1	10	20	1	-	3	13	1	1	-	-
California-----	2	21	56	208	2	17	47	183	-	4	31	-
Alaska-----	-	-	2	2	-	-	-	2	-	-	-	-
Hawaii-----	-	1	2	6	-	1	2	6	-	-	-	-
Puerto Rico-----	---	11	5	372	---	11	5	365	---	-	---	---

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(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	
	32nd Week		Cumulative, first 32 weeks		082		32nd Week		Cumulative, first 32 weeks		085	
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960
UNITED STATES-----	-	9	340	378	46	58	1,023	645	49,739	23,400	1,746	1,886
NEW ENGLAND-----	-	-	6	10	-	2	33	22	1,382	705	119	134
Maine-----	-	-	2	2	-	-	-	-	90	44	16	5
New Hampshire-----	-	-	-	-	-	-	9	-	93	21	-	1
Vermont-----	-	-	-	-	-	-	6	-	152	10	2	23
Massachusetts-----	-	-	5	7	-	2	11	12	506	356	70	74
Rhode Island-----	-	-	-	1	-	-	2	7	183	143	1	7
Connecticut-----	-	-	1	-	-	-	5	3	358	131	30	24
MIDDLE ATLANTIC-----	-	-	19	11	12	11	115	93	6,929	2,600	403	308
New York-----	-	-	7	2	8	2	52	41	2,895	1,362	200	198
New Jersey-----	-	-	-	1	-	7	23	9	1,674	189	114	70
Pennsylvania-----	-	-	12	8	4	2	40	43	2,360	1,049	89	40
EAST NORTH CENTRAL-----	-	-	15	32	1	7	169	103	10,007	4,329	309	704
Ohio-----	-	-	1	14	-	1	43	46	3,379	1,452	39	57
Indiana-----	-	-	1	5	-	3	10	9	1,573	502	7	36
Illinois-----	-	-	10	4	1	1	45	24	1,718	881	81	54
Michigan-----	-	-	3	8	-	1	62	23	3,088	1,326	102	295
Wisconsin-----	-	-	-	1	-	1	9	1	249	168	80	262
WEST NORTH CENTRAL-----	-	-	29	18	9	3	62	44	4,953	1,726	76	28
Minnesota-----	-	-	18	5	-	-	9	6	1,085	182	2	-
Iowa-----	-	-	1	2	-	-	19	9	1,429	296	14	8
Missouri-----	-	-	-	2	-	1	14	14	1,115	637	48	7
North Dakota-----	-	-	2	1	9	2	1	2	120	132	11	13
South Dakota-----	-	-	6	5	-	-	4	-	132	122	-	-
Nebraska-----	-	-	2	1	-	-	14	7	519	186	1	-
Kansas-----	-	-	-	2	-	-	1	6	553	171	NN	NN
SOUTH ATLANTIC-----	-	6	63	100	3	8	157	80	6,206	2,813	197	124
Delaware-----	-	-	-	-	-	-	3	1	146	179	1	1
Maryland-----	-	-	1	1	1	4	11	12	599	288	39	11
District of Columbia-----	-	-	2	-	-	-	3	2	73	32	1	2
Virginia-----	-	-	13	10	-	-	20	21	991	555	54	23
West Virginia-----	-	-	1	4	-	1	17	12	1,176	528	36	26
North Carolina-----	-	1	7	5	1	1	26	2	1,307	238	9	10
South Carolina-----	-	4	2	31	-	-	9	-	321	47	6	5
Georgia-----	-	-	14	20	-	-	5	2	579	187	-	-
Florida-----	-	1	23	29	1	2	63	28	1,014	759	51	46
EAST SOUTH CENTRAL-----	-	-	25	40	4	1	134	82	7,522	3,436	120	116
Kentucky-----	-	-	8	1	-	-	38	32	2,238	1,315	30	32
Tennessee-----	-	-	3	6	-	1	49	31	2,990	1,115	87	81
Alabama-----	-	-	9	20	-	-	35	12	1,319	734	1	-
Mississippi-----	-	-	5	13	4	-	12	7	975	272	2	3
WEST SOUTH CENTRAL-----	-	3	171	133	4	7	102	39	3,638	1,928	155	153
Arkansas-----	-	-	3	4	-	1	25	3	724	89	1	5
Louisiana-----	-	-	20	28	-	-	11	1	381	89	1	1
Oklahoma-----	-	-	4	6	1	-	5	1	243	252	11	2
Texas-----	-	3	144	95	3	6	61	34	2,290	1,498	142	145
MOUNTAIN-----	-	-	7	33	2	6	42	63	3,077	1,910	128	116
Montana-----	-	-	2	3	-	1	3	7	278	76	15	28
Idaho-----	-	-	-	11	-	-	5	1	225	237	13	8
Wyoming-----	-	-	-	5	-	-	4	-	121	22	4	2
Colorado-----	-	-	4	3	-	1	17	23	1,035	684	66	23
New Mexico-----	-	-	-	4	1	-	4	4	343	245	NN	-
Arizona-----	-	-	-	3	1	-	-	14	472	444	17	23
Utah-----	-	-	-	4	-	4	9	8	509	169	13	26
Nevada-----	-	-	1	-	-	-	-	6	94	33	-	6
PACIFIC-----	-	-	5	1	11	13	209	119	6,025	3,953	239	203
Washington-----	-	-	-	-	2	-	18	10	685	451	12	6
Oregon-----	-	-	-	-	-	-	28	21	951	656	86	73
California-----	-	-	1	-	9	13	149	88	4,165	2,647	128	119
Alaska-----	-	-	4	1	-	-	-	-	184	145	4	-
Hawaii-----	-	-	-	-	-	-	-	-	40	54	9	5
Puerto Rico-----	---	1	44	100	---	-	---	10	624	515	---	-

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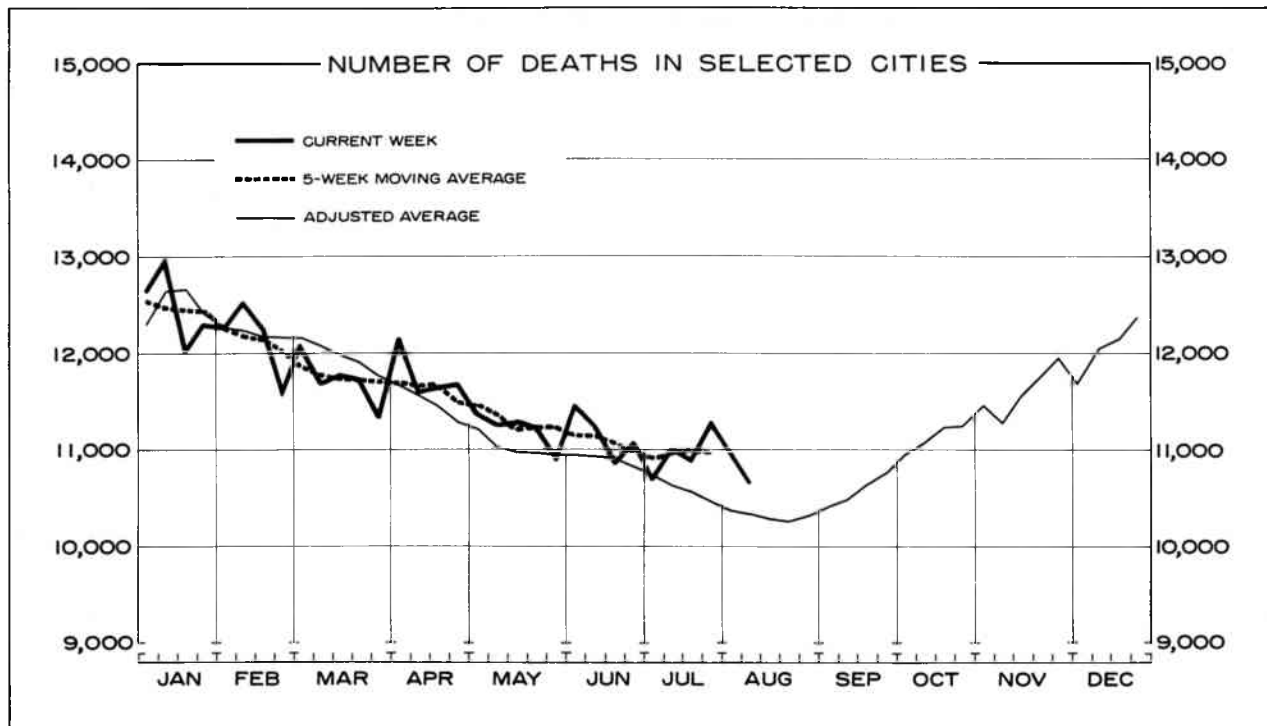
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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED AUGUST 13, 1960 AND AUGUST 12, 1961 - Continued

(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	32nd Week		Cumulative, first 32 weeks		101		
	1961	1960	1961	1960	1961	1961	1961	1960	1961	1960	1961	1961	1960
UNITED STATES-----	-	29	30		2	3,193	15	29	421	464	1	60	55
NEW ENGLAND-----	-	2	-	-	-	69	-	-	8	7	-	-	-
Maine-----	-	-	-	-	-	4	-	-	1	2	-	-	-
New Hampshire-----	-	1	-	-	-	2	-	-	-	-	-	-	-
Vermont-----	-	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts-----	-	1	-	-	-	15	-	-	3	2	-	-	-
Rhode Island-----	-	-	-	-	-	-	-	-	1	-	-	-	-
Connecticut-----	-	-	-	-	-	48	-	-	3	3	-	-	-
MIDDLE ATLANTIC-----	-	8	9	1	1	87	2	6	49	35	-	-	6
New York-----	-	3	3	1	1	69	-	2	25	22	-	-	6
New Jersey-----	-	3	2	-	-	9	1	-	12	1	-	-	-
Pennsylvania-----	-	2	4	-	-	9	1	4	12	12	-	-	-
EAST NORTH CENTRAL-----	-	7	3	1	1	166	1	8	52	57	-	8	7
Ohio-----	-	-	-	-	-	30	-	3	18	14	-	-	-
Indiana-----	-	-	-	-	-	26	1	1	11	14	-	-	1
Illinois-----	-	3	1	-	-	9	-	4	20	17	-	4	1
Michigan-----	-	4	2	-	-	54	-	-	2	8	-	2	2
Wisconsin-----	-	-	-	1	-	47	-	-	1	4	-	2	3
WEST NORTH CENTRAL-----	-	2	3	-	-	119	3	1	27	27	-	18	20
Minnesota-----	-	2	-	-	-	6	-	-	5	1	-	2	4
Iowa-----	-	-	-	-	-	10	-	-	1	4	-	11	6
Missouri-----	-	-	1	-	-	36	3	1	15	17	-	2	3
North Dakota-----	-	-	2	-	-	64	-	-	-	1	-	1	3
South Dakota-----	-	-	-	-	-	1	-	-	3	1	-	1	3
Nebraska-----	-	-	-	-	-	-	-	-	1	2	-	1	1
Kansas-----	-	-	-	-	-	2	-	-	2	1	-	-	-
SOUTH ATLANTIC-----	-	5	5	-	-	390	2	2	69	73	-	7	11
Delaware-----	-	4	-	-	-	-	-	-	1	1	-	-	-
Maryland-----	-	-	-	-	-	17	-	-	1	1	-	-	-
District of Columbia-----	-	-	-	-	-	1	1	1	9	6	-	-	-
Virginia-----	-	1	3	-	-	79	-	-	5	16	-	1	6
West Virginia-----	-	-	1	-	-	41	-	-	6	3	-	5	5
North Carolina-----	-	-	1	-	-	3	-	-	12	8	-	-	-
South Carolina-----	-	-	-	-	-	28	-	-	5	10	-	-	-
Georgia-----	-	-	-	-	-	1	1	-	21	19	-	1	-
Florida-----	-	-	-	-	-	220	-	1	9	9	-	-	-
EAST SOUTH CENTRAL-----	-	2	3	-	-	735	-	1	44	59	-	11	2
Kentucky-----	-	-	1	-	-	43	-	-	8	13	-	3	2
Tennessee-----	-	-	2	-	-	670	-	1	29	31	-	4	-
Alabama-----	-	2	-	-	-	1	-	-	6	10	-	4	-
Mississippi-----	-	-	-	-	-	21	-	-	1	5	-	-	-
WEST SOUTH CENTRAL-----	-	2	1	-	-	539	3	8	96	147	1	11	6
Arkansas-----	-	-	-	-	-	-	1	3	12	32	-	-	2
Louisiana-----	-	2	-	-	-	2	-	1	8	52	-	-	1
Oklahoma-----	-	-	-	-	-	4	-	3	10	9	-	-	-
Texas-----	-	-	1	-	-	533	2	1	66	54	1	11	3
MOUNTAIN-----	-	-	2	-	-	872	2	1	34	20	-	1	-
Montana-----	-	-	-	-	-	33	2	-	8	5	-	-	-
Idaho-----	-	-	1	-	-	44	-	-	1	-	-	-	-
Wyoming-----	-	-	-	-	-	-	-	1	2	3	-	-	-
Colorado-----	-	-	1	-	-	371	-	-	5	-	-	-	-
New Mexico-----	-	-	-	-	-	222	-	-	7	6	-	-	-
Arizona-----	-	-	-	-	-	114	-	-	6	6	-	1	-
Utah-----	-	-	-	-	-	88	-	-	2	-	-	-	-
Nevada-----	-	-	-	-	-	-	-	-	3	-	-	-	-
PACIFIC-----	-	1	4	-	-	216	2	2	42	39	-	4	3
Washington-----	-	-	-	-	-	49	-	-	7	4	-	-	-
Oregon-----	-	-	-	-	-	20	-	-	-	7	-	-	-
California-----	-	1	4	-	-	128	2	2	35	28	-	4	3
Alaska-----	-	-	-	-	-	19	-	-	-	-	-	-	-
Hawaii-----	-	-	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico-----	---	---	-	-	---	---	---	-	11	16	---	---	-

## 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	32nd week ended August 12, 1961	31st week ended August 5, 1961	Adjusted average, 32nd week 1956-60	Percent change, adjusted average to current week	Cumulative, first 32 weeks		
					1961	1960	Percent change
TOTAL, 117 REPORTING CITIES-----	10,641	10,952	10,328	+3.0	370,495	375,968	-1.5
New England----- (14 cities)	595	614	606	-1.8	22,752	23,527	-3.3
Middle Atlantic----- (20 cities)	2,925	3,126	2,753	+6.2	105,705	103,982	+1.7
East North Central----- (21 cities)	2,274*	2,352	2,188	+3.9	79,160	81,098	-2.4
West North Central----- (9 cities)	787	773	750	+4.9	25,222	26,189	-3.7
South Atlantic----- (11 cities)	972	986	880	+10.5	32,055	32,500	-1.4
East South Central----- (8 cities)	481	519	485	-0.8	16,759	17,127	-2.1
West South Central----- (13 cities)	947	991	992	-4.5	31,549	33,163	-4.9
Mountain----- (8 cities)	334	363	330	+1.2	11,819	11,730	+0.8
Pacific----- (13 cities)	1,326	1,228	1,344	-1.3	45,474	46,652	-2.5

\*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	32nd week ended August 12, 1961	31st week ended August 5, 1961	Cumulative, first 32 weeks		Area	32nd week ended August 12, 1961	31st week ended August 5, 1961	Cumulative, first 32 weeks	
			1961	1960				1961	1960
<b>NEW ENGLAND:</b>					<b>WEST NORTH CENTRAL—Con.:</b>				
Boston, Mass.-----	214	237	7,778	8,198	St. Louis, Mo.-----	234	232	7,618	8,057
Bridgeport, Conn.-----	41	27	1,242	1,342	St. Paul, Minn.-----	61	65	2,128	2,288
Cambridge, Mass.-----	19	19	932	1,021	Wichita, Kans.-----	53	55	1,498	1,495
Fall River, Mass.-----	19	28	868	925	<b>SOUTH ATLANTIC:</b>				
Hartford, Conn.-----	40	53	1,536	1,559	Atlanta, Ga.-----	113	103	3,673	3,833
Lowell, Mass.-----	18	21	791	789	Baltimore, Md.-----	222	245	7,987	8,237
Lynn, Mass.-----	15	16	706	783	Charlotte, N.C.-----	38	38	1,144	1,287
New Bedford, Mass.-----	21	18	857	779	Jacksonville, Fla.-----	48	51	1,849	1,981
New Haven, Conn.-----	35	40	1,484	1,465	Miami, Fla.-----	82	73	2,461	2,397
Providence, R.I.-----	40	39	2,003	2,076	Norfolk, Va.-----	51	46	1,632	1,341
Somerville, Mass.-----	14	17	438	439	Richmond, Va.-----	84	89	2,562	2,570
Springfield, Mass.-----	36	29	1,467	1,501	Savannah, Ga.-----	33	33	1,048	1,143
Waterbury, Conn.-----	34	22	885	899	St. Petersburg, Fla.-----	(50)	(65)	(2,267)	(2,352)
Worcester, Mass.-----	49	48	1,765	1,751	Tampa, Fla.-----	67	79	2,183	2,165
<b>MIDDLE ATLANTIC:</b>					Washington, D.C.-----	189	185	6,223	6,320
Albany, N.Y.-----	37	38	1,491	1,446	Wilmington, Del.-----	45	44	1,293	1,226
Allentown, Pa.-----	32	31	1,117	1,130	<b>EAST SOUTH CENTRAL:</b>				
Buffalo, N.Y.-----	143	130	4,773	4,772	Birmingham, Ala.-----	89	80	2,788	2,799
Camden, N.J.-----	49	45	1,387	1,411	Chattanooga, Tenn.-----	46	32	1,524	1,528
Elizabeth, N.J.-----	32	33	922	947	Knoxville, Tenn.-----	25	33	894	940
Erie, Pa.-----	31	38	1,271	1,257	Louisville, Ky.-----	108	145	3,689	3,756
Jersey City, N.J.-----	52	73	2,251	2,278	Memphis, Tenn.-----	82	110	3,678	3,693
Newark, N.J.-----	76	98	3,272	3,123	Mobile, Ala.-----	40	30	1,299	1,328
New York City, N.Y.-----	1,482	1,502	53,983	52,831	Montgomery, Ala.-----	32	30	1,006	1,140
Paterson, N.J.-----	39	42	1,264	1,245	Nashville, Tenn.-----	59	59	1,881	1,943
Philadelphia, Pa.-----	506	543	16,643	15,973	<b>WEST SOUTH CENTRAL:</b>				
Pittsburgh, Pa.-----	90	281	6,146	6,300	Austin, Tex.-----	24	35	1,097	1,141
Reading, Pa.-----	27	23	747	767	Baton Rouge, La.-----	29	24	906	921
Rochester, N.Y.-----	100	91	3,206	3,235	Corpus Christi, Tex.-----	23	14	712	808
Schenectady, N.Y.-----	17	14	777	779	Dallas, Tex.-----	123	117	3,993	4,103
Scranton, Pa.-----	42	36	1,145	1,215	El Paso, Tex.-----	32	36	1,132	1,255
Syracuse, N.Y.-----	73	33	1,947	1,997	Fort Worth, Tex.-----	75	57	2,062	2,184
Trenton, N.J.-----	49	28	1,443	1,371	Houston, Tex.-----	145	189	5,296	5,519
Utica, N.Y.-----	25	25	915	899	Little Rock, Ark.-----	55	62	1,793	1,881
Yonkers, N.Y.-----	23	22	1,005	1,006	New Orleans, La.-----	179	155	5,407	5,979
<b>EAST NORTH CENTRAL:</b>					Oklahoma City, Okla.-----	80	73	2,426	2,443
Akron, Ohio-----	55	53	1,834	1,822	San Antonio, Tex.-----	85	123	3,290	3,351
Canton, Ohio-----	23	35	987	1,121	Shreveport, La.-----	37	43	1,656	1,762
Chicago, Ill.-----	704	680	23,952	25,081	Tulsa, Okla.-----	60	63	1,779	1,816
Cincinnati, Ohio-----	144	151	5,077	5,076	<b>MOUNTAIN:</b>				
Cleveland, Ohio-----	219	195	6,626	6,852	Albuquerque, N. Mex.-----	24	27	1,008	1,002
Columbus, Ohio-----	99	110	3,646	3,824	Colorado Springs, Colo.-----	12	11	520	542
Dayton, Ohio-----	68	85	2,617	2,368	Denver, Colo.-----	103	106	3,699	3,839
Detroit, Mich.-----	255	338	10,783	11,185	Ogden, Utah-----	15	26	534	537
Evansville, Ind.-----	33	46	1,158	1,184	Phoenix, Ariz.-----	86	91	2,691	2,516
Flint, Mich.-----	40	32	1,383	1,290	Pueblo, Colo.-----	17	19	538	523
Fort Wayne, Ind.-----	43	40	1,241	1,199	Salt Lake City, Utah-----	47	46	1,575	1,599
Gary, Ind.-----	30*	15	984	1,033	Tucson, Ariz.-----	30	37	1,254	1,172
Grand Rapids, Mich.-----	51	31	1,466	1,351	<b>PACIFIC:</b>				
Indianapolis, Ind.-----	152	144	4,630	4,765	Berkeley, Calif.-----	23	15	549	551
Madison, Wis.-----	36	29	1,040	1,032	Fresno, Calif.-----	(41)	(32)	(1,434)	(1,477)
Milwaukee, Wis.-----	97	139	3,963	4,018	Glendale, Calif.-----	(26)	(31)	(1,081)	(1,266)
Peoria, Ill.-----	37	22	909	960	Honolulu, Hawaii-----	43	41	1,288	1,332
Rockford, Ill.-----	26	26	909	943	Long Beach, Calif.-----	34	52	1,761	1,796
South Bend, Ind.-----	20	41	936	916	Los Angeles, Calif.-----	465	433	16,095	16,610
Toledo, Ohio-----	85	90	3,171	3,275	Oakland, Calif.-----	96	80	3,137	3,108
Youngstown, Ohio-----	57	50	1,848	1,803	Pasadena, Calif.-----	36	26	1,066	1,110
<b>WEST NORTH CENTRAL:</b>					Portland, Oreg.-----	80	94	3,445	3,568
Des Moines, Iowa-----	58	63	1,709	1,797	Sacramento, Calif.-----	64	46	2,015	1,886
Duluth, Minn.-----	30	25	829	819	San Diego, Calif.-----	83	64	2,835	2,890
Kansas City, Kans.-----	36	32	1,219	1,123	San Francisco, Calif.-----	191	174	6,333	6,443
Kansas City, Mo.-----	109	114	4,113	4,184	San Jose, Calif.-----	(36)	(29)	(1,128)	(1,139)
Lincoln, Nebr.-----	(32)	(18)	(899)	(838)	Seattle, Wash.-----	113	140	4,215	4,495
Minneapolis, Minn.-----	130	107	3,866	4,004	Spokane, Wash.-----	62	30	1,492	1,517
Omaha, Nebr.-----	76	80	2,242	2,422	Tacoma, Wash.-----	36	33	1,243	1,346
					San Juan, P. R.-----	(30)	(39)	(1,099)	(1,135)

\*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

HEPATITIS CASES BY AGE  
CUMULATIVE TOTALS  
Week 17 through Week 32, 1961

State or Area	Total	Under 20 Years	20 Years and Over	Age Un- specified	Percent* 20 and Over
<b>NEW ENG.</b>					
Maine	50	22	28	—	56.0
New Hampshire	43	7	7	29	50.0
Vermont	43	20	23	—	53.5
Massachusetts	240	134	95	11	41.5
Rhode Island	70	36	32	2	47.1
Connecticut	150	54	92	4	63.0
<b>MID. ATL.</b>					
New York	1,183	446	723	14	61.5
New Jersey	639	175	464	—	72.6
Pennsylvania	906	366	294	246	44.5
<b>E. NO. CENT.</b>					
Ohio	1,256	429	251	576	36.9
Indiana	631	362	247	22	40.6
Illinois	840	369	250	221	40.4
Michigan	1,633	432	329	872	43.2
Wisconsin	116	—	—	116	—
<b>W. NO. CENT.</b>					
Minnesota	414	217	163	34	42.9
Iowa	608	388	159	61	29.1
Missouri	453	297	142	14	32.4
North Dakota	60	33	26	1	44.1
South Dakota	21	12	4	5	25.0
Nebraska	220	60	30	130	33.3
Kansas	240	147	92	1	38.5
<b>SO. ATL.</b>					
Delaware	47	—	—	47	—
Maryland	276	184	82	10	30.8
District of Columbia	35	26	9	—	25.7
Virginia	560	331	176	53	34.7
West Virginia	386	281	88	17	23.8
North Carolina	511	380	130	1	25.5
South Carolina	104	48	19	37	28.4
Georgia	206	141	59	6	29.5
Florida	605	359	227	19	38.7
<b>E. SO. CENT.</b>					
Kentucky	857	583	109	165	15.8
Tennessee	983	724	249	10	25.6
Alabama	533	410	123	—	23.1
Mississippi	354	—	—	354	—
<b>W. SO. CENT.</b>					
Arkansas	307	196	111	—	36.2
Louisiana	216	120	49	47	29.0
Oklahoma	100	67	27	6	28.7
Texas	1,026	551	387	88	41.3
<b>MOUNT.</b>					
Montana	84	55	24	5	30.4
Idaho	127	—	—	127	—
Wyoming	44	19	11	14	36.7
Colorado	408	36	30	342	45.5
New Mexico	92	48	36	8	42.9
Arizona	211	—	—	211	—
Utah	171	114	57	—	33.3
Nevada	38	—	—	38	—
<b>PACIFIC</b>					
Washington	274	97	120	57	55.3
Oregon	413	197	201	15	50.5
California	2,220	614	852	754	58.1
Alaska	62	37	15	10	28.8
Hawaii	18	2	8	8	80.0
<b>UNITED STATES</b>	<b>21,084</b>	<b>9,636</b>	<b>6,650</b>	<b>4,808</b>	<b>40.9</b>

\*Percentage based on total cases with age specified.

## 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.

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