Morbidity and Mortality Weekly Report

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Prepared by the COMMUNICABLE DISEASE CENTER MElrose 4-5131

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Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended August 5, 1961

Poliomyelitis – Reported this week were 36 cases of poliomyelitis, 27 of which were paralytic. This is almost identical in number to that reported last week.

The number of cases continues at a record low. The total number of paralytic cases reported since the first of the year represents but 38% of the number reported in 1958, the previous low year in over a decade.

Poliomyelitis Cases (Cumulative)
Weeks 1 through 31 – 1957 through 1961

	1961	1960	1959	1958	1957
Paralytic	234	680	1,600	622	906
Total	363	948	2,451	1,254	2,567

The 36 cases this week were reported from 19 different States. Within those States reporting two or more cases, the cases were generally scattered by county. Those areas reported in previous reports as showing some minor case concentrations (specifically Seattle, Washington; Atlanta, Georgia; Frederick County, Maryland; Mobile, Alabama; and Manatee County, Florida) have shown no further evidence of activity.

An outbreak in Rhode Island of aseptic meningitis, tentatively identified as due to Coxsackie B-5, is described under Epidemiological Reports.

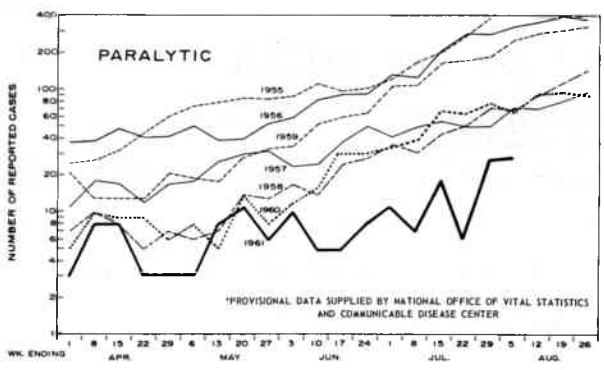
Rabies – An unusual number of episodes of human

Table I. Cases of Specified Notifiable Diseases: United States

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

Disease (Seventh Revision of International Lists, 1955)	31st Week			Cumulative						Approximate seasonal low point
				First 31 weeks			Since seasonal low week			
* Weekly incidence low or sporadic --- Data not available - Quantity zero	Ended Aug. 5, 1961	Ended Aug. 6, 1960	Median 1956-60	1961	1960	Median 1956-60	1960-61	1959-60	Median 1955-56 to 1959-60	
Anthrax-----052	-	-	*	5	10	*	*	*	*	*
Botulism-----049.1	-	-	*	4	6	*	*	*	*	*
Brucellosis (undulant fever)-----044	14	14	17	368	497	487	*	*	*	*
Diphtheria-----055	9	9	9	345	369	450	36	42	53	July 1
Encephalitis, infectious-----082	49	37	53	917	1,005	958	917	1,005	958	Jan. 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	1,266	694	283	48,717	22,755	12,983	63,924	30,285	18,557	Sept. 1
Malaria-----110-117	6	3	*	35	35	*	*	*	*	*
Measles-----085	2,521	2,666	2,701	380,528	394,135	441,297	416,738	426,755	477,966	Sept. 1
Meningitis, aseptic-----340 pt.	124	89	---	1,153	1,119	---	1,153	1,119	---	Jan. 1
Meningococcal infections-----057	33	23	28	1,385	1,425	1,553	2,041	2,157	2,340	Sept. 1
Poliomyelitis-----080	36	111	297	363	948	2,447	260	733	2,035	Apr. 1
Paralytic-----080.0,080.1	27	71	71	234	680	1,596	174	525	628	Apr. 1
Nonparalytic-----080.2	7	31	172	79	199	618	54	165	1,122	Apr. 1
Unspecified-----080.3	2	9	54	50	69	233	32	43	285	Apr. 1
Psittacosis-----096.2	-	3	*	43	64	*	*	*	*	*
Rabies in man-----094	-	1	*	3	1	*	*	*	*	*
Streptococcal sore throat, including scarlet fever-----050,051	2,932	3,368	---	222,143	211,329	---	2,932	---	---	Aug. 1
Typhoid fever-----040	30	18	27	406	435	513	292	304	333	Apr. 1
Typhus fever, endemic-----101	1	2	*	24	50	*	*	*	*	*
Rabies in animals-----	55	62	73	2,162	2,381	2,890	2,738	3,354	3,735	Oct. 1

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



bat bites by rabid or suspect rabid bats in central and eastern New York and Pennsylvania is described in the Epidemiological Reports.

Plague – A second case of plague resulting from exposure in desolate areas near Santa Fe, New Mexico has come to notice. (See Epidemiological Reports.)

EPIDEMIOLOGICAL REPORTS

Plague – New Mexico

A second case of bubonic plague resulting from exposure in New Mexico died in Boston on July 29. The patient, a 38 year old geologist had been working in an area approximately 10 miles west of Santa Fe. A cutaneous lesion developed about the time of his departure from New Mexico on July 20. He returned to his home in Boston where he commenced to experience fever and generalized systemic symptoms. He died on July 29 shortly after being admitted to the hospital. Autopsy revealed a shallow necrotic ulcerative lesion on his hand, regional adenopathy and evidence of intravascular hemolysis. Blood cultures were found to contain both beta hemolytic streptococci and plague bacilli.

The first case, reported in last week's MMWR, was in a 38 year old sawmill worker who developed symptoms of chest pain on June 24. Three days later, dyspneic and diaphoretic, he was admitted to the hospital in Santa Fe where he died the following day. At no time did he produce the copious or bloody sputum characteristic of the pneumonic form of the disease. Precise localization of where this man might have been exposed has not been obtainable although it is in a general area about 15 miles east of Santa Fe, near Pecos.

Intensive studies have been initiated but, to date, no evidence of a rodent die off has been uncovered anywhere in the State.

(Reported by Dr. Stanley J. Leland, New Mexico State Director of Public Health and Dr. Robert Archibald, Deputy Commissioner, Massachusetts Department of Public Health.)

Aseptic Meningitis – Rhode Island

An outbreak of aseptic meningitis, centered in the northeastern section of Rhode Island, commenced in late June and has continued to date.

Twenty-three cases have been admitted to hospitals with fever and nuchal rigidity and with symptoms of severe headache, nausea and vomiting.

The cases by week of onset are as follows:

Week Ending	No. of Cases
June 17	1
24	0
July 1	1
8	2
15	4
22	2
29	7
August 5	6

Almost half of the cases have occurred in the 10-19 year age group.

Age Group	No. of Cases
0-4	1
5-9	6
10-19	11
20-29	3
30-39	2

In addition to the cases of aseptic meningitis, a substantial amount of minor illness, particularly among children, has been apparent. The minor illness has been characterized by fever, headache, and vomiting. Scattered cases of moderate pleuritic type chest pain and some with abdominal pain have been reported. Three of the cases with aseptic meningitis have had equivocal, transitory muscle weakness. There has been little diarrhea and no known cases with myocarditis or orchitis. The duration of illness has been variable, generally in the range of 2 to 4 days but with some extending seven days or longer. Secondary attack rates in families are high.

Laboratory studies, being carried out by the Communicable Disease Center, give tentative indications that the outbreak may be due to Coxsackie B-5.

(Reported by Dr. Joseph E. Cannon, Director of Health, Rhode Island Department of Health from studies done in

(Continued on page 8.)

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED AUGUST 6, 1960 AND AUGUST 5, 1961

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

Area	Poliomyelitis 080										Meningitis, aseptic	Brucellosis (undulant fever)
	Total (Includes cases not specified by type)				Paralytic 080.0,080.1				Nonparalytic			
	31st Week		Cumulative, first 31 weeks		31st Week		Cumulative, first 31 weeks		080.2		340 pt.	044
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960	1961	1961
UNITED STATES	36	111	363	948	27	71	234	680	7	31	124	14
NEW ENGLAND	-	6	4	100	-	6	4	85	-	-	8	1
Maine	-	-	-	6	-	-	-	6	-	-	1	-
New Hampshire	-	-	-	-	-	-	-	-	-	-	-	-
Vermont	-	-	1	-	-	-	1	-	-	-	-	-
Massachusetts	-	-	2	10	-	-	2	10	-	-	2	1
Rhode Island	-	4	-	78	-	4	-	63	-	-	5	-
Connecticut	-	2	1	6	-	2	1	6	-	-	-	-
MIDDLE ATLANTIC	6	14	29	92	6	10	26	69	-	3	4	-
New York	1	11	12	64	1	7	10	47	-	3	2	-
New Jersey	4	3	9	16	4	3	8	14	-	-	-	-
Pennsylvania	1	-	8	12	1	-	8	8	-	-	2	-
EAST NORTH CENTRAL	-	23	32	118	-	9	19	59	-	9	18	2
Ohio	-	6	13	30	-	3	6	11	-	2	2	-
Indiana	-	4	4	16	-	1	3	10	-	2	-	-
Illinois	-	6	9	36	-	3	6	26	-	1	2	2
Michigan	-	4	3	29	-	2	3	11	-	2	13	-
Wisconsin	-	3	3	7	-	-	1	1	-	2	1	-
WEST NORTH CENTRAL	2	13	23	54	1	8	10	32	1	5	12	4
Minnesota	-	7	3	22	-	4	3	16	-	3	12	1
Iowa	1	1	4	9	1	-	1	2	-	1	-	3
Missouri	-	1	8	10	-	1	2	7	-	-	-	-
North Dakota	-	3	-	3	-	2	-	2	-	1	-	-
South Dakota	-	-	-	2	-	-	-	1	-	-	-	-
Nebraska	1	-	3	2	-	-	2	2	1	-	-	-
Kansas	-	1	5	6	-	1	2	2	-	-	-	-
SOUTH ATLANTIC	10	22	67	155	9	16	48	108	1	6	30	2
Delaware	-	-	2	-	-	-	1	-	-	-	-	-
Maryland	2	1	8	2	2	1	8	1	-	-	-	-
District of Columbia	1	-	1	-	1	-	1	-	-	-	2	-
Virginia	1	1	2	3	1	1	2	3	-	-	2	-
West Virginia	-	-	7	13	-	-	4	10	-	-	3	-
North Carolina	-	9	7	33	-	7	5	29	-	2	-	1
South Carolina	3	11	7	61	2	7	6	36	1	4	-	-
Georgia	2	-	19	5	2	-	13	4	-	-	1	1
Florida	1	-	14	38	1	-	8	25	-	-	22	-
EAST SOUTH CENTRAL	3	3	36	39	2	2	18	35	1	1	10	2
Kentucky	-	-	18	8	-	-	4	5	-	-	-	-
Tennessee	2	1	8	5	1	-	4	4	1	1	1	-
Alabama	-	-	5	8	-	-	5	8	-	-	-	-
Mississippi	1	2	5	18	1	2	5	18	-	-	9	2
WEST SOUTH CENTRAL	5	12	63	135	1	6	32	79	4	5	5	1
Arkansas	1	-	4	8	1	-	1	3	-	-	1	1
Louisiana	-	3	15	36	-	1	12	24	-	2	-	-
Oklahoma	-	1	2	8	-	-	-	5	-	-	1	-
Texas	4	8	42	83	-	5	19	47	4	3	3	-
MOUNTAIN	5	2	32	32	3	-	19	17	-	-	3	2
Montana	1	-	3	12	-	-	2	8	-	-	1	-
Idaho	2	-	9	4	1	-	5	1	-	-	-	-
Wyoming	-	2	-	4	-	-	-	-	-	-	-	-
Colorado	-	-	3	4	-	-	3	4	-	-	-	-
New Mexico	-	-	3	2	-	-	-	-	-	-	1	-
Arizona	2	-	7	3	2	-	5	3	-	-	-	2
Utah	-	-	7	3	-	-	4	1	-	-	1	-
Nevada	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC	5	16	77	223	5	14	58	196	-	2	34	-
Washington	-	-	13	10	-	-	9	10	-	-	-	-
Oregon	-	-	8	19	-	-	2	13	-	-	-	-
California	5	16	54	187	5	14	45	166	-	2	34	-
Alaska	-	-	-	2	-	-	-	2	-	-	-	-
Hawaii	-	-	2	5	-	-	2	5	-	-	-	-
Puerto Rico	-	-	5	361	-	-	5	354	-	-	-	-

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED AUGUST 6, 1960 AND AUGUST 5, 1961 - Continued

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

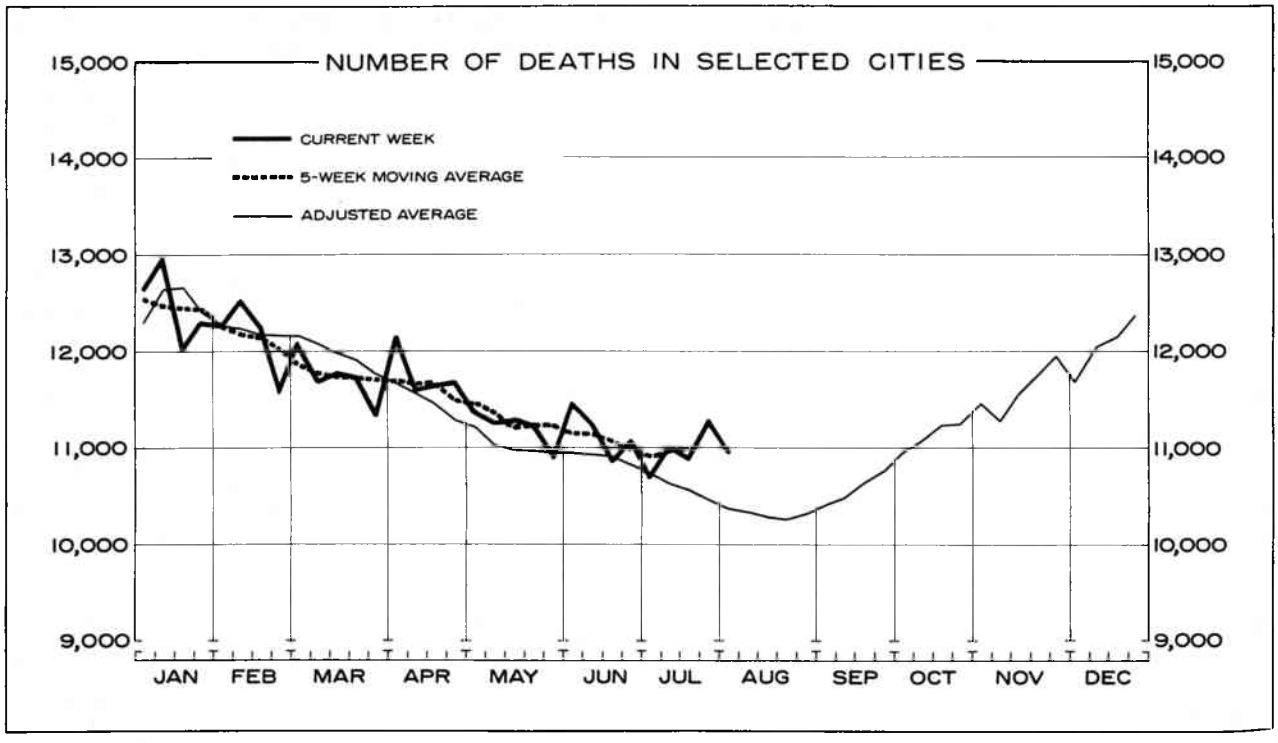
Area	Diphtheria 055				Encephalitis, infectious 082		Hepatitis, infectious, and serum 092,N998.5 pt.				Measles 085	
	31st Week		Cumulative, first 31 weeks				31st Week		Cumulative, first 31 weeks			
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960
UNITED STATES	9	9	345	369	49	37	1,266	694	48,717	22,755	2,521	2,666
NEW ENGLAND	1	-	6	10	2	-	40	23	1,349	683	244	276
Maine	-	-	-	2	-	-	10	-	90	44	-	20
New Hampshire	-	-	-	-	-	-	2	-	84	21	1	9
Vermont	-	-	-	-	-	-	3	-	146	10	18	27
Massachusetts	1	-	5	7	1	-	19	6	495	344	178	126
Rhode Island	-	-	-	1	-	-	3	8	181	136	6	47
Connecticut	-	-	1	-	1	-	3	9	353	128	41	47
MIDDLE ATLANTIC	1	-	19	11	12	6	119	82	6,815	2,507	439	439
New York	-	-	7	2	9	-	54	54	2,843	1,321	312	310
New Jersey	-	-	-	1	-	5	25	5	1,651	180	42	69
Pennsylvania	1	-	12	8	3	1	40	23	2,321	1,006	85	60
EAST NORTH CENTRAL	-	-	15	32	8	5	244	113	9,838	4,226	570	955
Ohio	-	-	1	14	3	2	70	41	3,336	1,406	50	129
Indiana	-	-	1	5	-	1	30	11	1,563	493	51	36
Illinois	-	-	10	4	3	2	38	11	1,673	857	166	56
Michigan	-	-	3	8	-	-	96	49	3,026	1,303	168	341
Wisconsin	-	-	-	1	2	-	10	1	240	167	135	393
WEST NORTH CENTRAL	-	-	29	18	2	3	97	43	4,891	1,682	57	58
Minnesota	-	-	18	5	-	-	8	4	1,076	176	4	2
Iowa	-	-	1	2	-	-	22	12	1,410	287	34	15
Missouri	-	-	-	2	-	-	23	13	1,101	623	5	12
North Dakota	-	-	2	1	2	2	2	4	119	130	14	28
South Dakota	-	-	6	5	-	-	2	3	128	122	-	-
Nebraska	-	-	2	1	-	-	11	7	505	179	-	1
Kansas	-	-	-	2	-	1	29	-	552	165	NN	NN
SOUTH ATLANTIC	-	8	63	94	2	7	148	85	6,049	2,733	262	142
Delaware	-	-	-	-	-	-	-	6	143	178	7	1
Maryland	-	-	1	1	1	2	11	15	588	276	73	17
District of Columbia	-	-	2	-	-	-	2	1	70	30	2	4
Virginia	-	-	13	10	-	2	41	-	971	534	61	53
West Virginia	-	-	1	4	-	-	24	15	1,159	516	36	40
North Carolina	-	1	7	4	-	1	37	13	1,281	236	18	2
South Carolina	-	6	2	27	1	-	5	4	312	47	13	10
Georgia	-	-	14	20	-	-	13	9	574	185	3	4
Florida	-	1	23	28	-	2	15	22	951	731	49	11
EAST SOUTH CENTRAL	5	1	25	40	10	1	153	95	7,388	3,354	329	166
Kentucky	4	-	8	1	-	-	30	45	2,200	1,283	196	42
Tennessee	-	-	3	6	-	1	50	21	2,941	1,084	102	98
Alabama	1	-	9	20	-	-	41	22	1,284	722	15	25
Mississippi	-	1	5	13	10	-	32	7	963	265	16	1
WEST SOUTH CENTRAL	2	-	171	130	1	2	97	41	3,536	1,889	141	154
Arkansas	-	-	3	4	-	-	32	2	699	86	-	7
Louisiana	1	-	20	28	-	-	18	1	370	88	-	-
Oklahoma	-	-	4	6	-	-	-	2	238	251	1	2
Texas	1	-	144	92	1	2	47	36	2,229	1,464	140	145
MOUNTAIN	-	-	12	33	3	5	35	64	3,035	1,847	169	182
Montana	-	-	2	3	-	-	3	1	275	69	27	43
Idaho	-	-	-	11	-	-	7	13	220	236	32	19
Wyoming	-	-	-	5	-	-	1	3	117	22	-	-
Colorado	-	-	4	3	-	3	4	24	1,018	661	11	49
New Mexico	-	-	-	4	2	-	4	1	339	241	NN	-
Arizona	-	-	5	3	-	1	7	13	472	430	27	35
Utah	-	-	-	4	1	1	6	8	500	161	19	34
Nevada	-	-	1	-	-	-	3	*1	94	27	53	2
PACIFIC	-	-	5	1	9	8	333	148	5,816	3,834	310	294
Washington	-	-	-	-	2	-	12	6	667	441	24	5
Oregon	-	-	-	-	1	-	31	20	923	635	100	84
California	-	-	1	-	6	8	288	122	4,016	2,559	173	176
Alaska	-	-	4	1	-	-	2	-	170	145	11	26
Hawaii	-	-	-	-	-	-	-	-	40	54	2	3
Puerto Rico	2	2	44	99	-	-	13	16	623	505	26	8

NN-Not Notifiable

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED AUGUST 6, 1960 AND AUGUST 5, 1961 - Continued

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

Area	Malaria 110-117	Meningoccocal infections 057		Psittacosis 096.2	Streptococcal sore throat, etc. 050,051	Typhoid fever 040				Typhus fever, endemic 101	Rabies in animals	
						31st Week		Cumulative, first 31 weeks				
	1961	1961	1960	1961	1961	1961	1960	1961	1960	1961	1961	1960
UNITED STATES	6	33	23	-	2,932	30	18	406	435	1	55	62
NEW ENGLAND	1	1	1	-	85	-	1	8	7	-	-	-
Maine	1	-	-	-	4	-	-	1	2	-	-	-
New Hampshire	-	-	-	-	1	-	-	-	-	-	-	-
Vermont	-	-	-	-	3	-	-	-	-	-	-	-
Massachusetts	-	1	-	-	27	-	-	3	2	-	-	-
Rhode Island	-	-	1	-	2	-	-	1	-	-	-	-
Connecticut	-	-	-	-	48	-	1	3	3	-	-	-
MIDDLE ATLANTIC	-	8	7	-	120	-	-	47	29	-	3	12
New York	-	3	3	-	106	-	-	25	20	-	3	8
New Jersey	-	3	1	-	1	-	-	11	1	-	-	-
Pennsylvania	-	2	3	-	13	-	-	11	8	-	-	4
EAST NORTH CENTRAL	-	6	8	-	200	3	3	51	49	-	8	4
Ohio	-	-	1	-	25	-	-	18	11	-	2	2
Indiana	-	1	3	-	50	3	1	10	13	-	-	1
Illinois	-	1	2	-	22	-	-	20	13	-	5	-
Michigan	-	3	2	-	51	-	2	2	8	-	-	-
Wisconsin	-	1	-	-	52	-	-	1	4	-	1	1
WEST NORTH CENTRAL	-	1	1	-	52	-	1	24	26	-	18	19
Minnesota	-	1	-	-	1	-	-	5	1	-	1	3
Iowa	-	-	-	-	10	-	-	1	4	-	6	8
Missouri	-	-	-	-	-	-	1	12	16	-	8	5
North Dakota	-	-	-	-	36	-	-	-	1	-	2	1
South Dakota	-	-	-	-	-	-	-	3	1	-	-	-
Nebraska	-	-	-	-	-	-	-	1	2	-	1	2
Kansas	-	-	1	-	5	-	-	2	1	-	-	-
SOUTH ATLANTIC	4	6	2	-	160	14	4	67	71	-	9	3
Delaware	-	2	-	-	-	-	-	1	1	-	-	-
Maryland	-	3	-	-	9	-	-	1	1	-	-	-
District of Columbia	-	-	-	-	-	-	-	8	5	-	-	-
Virginia	-	1	2	-	80	4	-	5	16	-	4	3
West Virginia	-	-	-	-	-	-	-	6	3	-	1	-
North Carolina	-	-	-	-	15	5	-	12	8	-	-	-
South Carolina	-	-	-	-	17	2	-	5	10	-	-	-
Georgia	-	-	-	-	-	1	4	20	19	-	-	-
Florida	4	-	-	-	39	2	-	9	8	-	4	-
EAST SOUTH CENTRAL	-	5	2	-	766	3	1	44	58	-	4	1
Kentucky	-	1	1	-	24	1	-	8	13	-	1	-
Tennessee	-	3	-	-	652	2	1	29	30	-	2	1
Alabama	-	1	-	-	14	-	-	6	10	-	1	-
Mississippi	-	-	1	-	76	-	-	1	5	-	-	-
WEST SOUTH CENTRAL	-	-	-	-	639	6	3	93	139	1	9	21
Arkansas	-	-	-	-	3	-	1	11	29	1	3	6
Louisiana	-	-	-	-	3	-	-	8	51	-	-	1
Oklahoma	-	-	-	-	2	1	-	10	6	-	1	-
Texas	-	-	-	-	631	5	2	64	53	-	5	14
MOUNTAIN	-	1	-	-	626	2	1	32	19	-	-	-
Montana	-	-	-	-	53	1	-	6	5	-	-	-
Idaho	-	-	-	-	37	-	-	1	-	-	-	-
Wyoming	-	-	-	-	12	1	-	2	2	-	-	-
Colorado	-	-	-	-	116	-	-	5	-	-	-	-
New Mexico	-	-	-	-	183	-	1	7	6	-	-	-
Arizona	-	-	-	-	94	-	-	6	6	-	-	-
Utah	-	1	-	-	122	-	-	2	-	-	-	-
Nevada	-	-	-	-	9	-	-	3	-	-	-	-
PACIFIC	1	5	2	-	284	2	4	40	37	-	4	2
Washington	-	-	-	-	48	1	3	7	4	-	-	-
Oregon	-	1	-	-	22	-	-	-	7	-	-	-
California	1	4	2	-	160	1	1	33	26	-	4	2
Alaska	-	-	-	-	52	-	-	-	-	-	-	-
Hawaii	-	-	-	-	2	-	-	-	-	-	-	-
Puerto Rico	-	-	-	-	3	-	-	11	16	-	-	-



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 received 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	31st week ended August 5, 1961	30th week ended July 29, 1961	Adjusted average, 31st week 1956-60	Percent change, adjusted average to current week	Cumulative, first 31 weeks		
					1961	1960	Percent change
TOTAL, 117 REPORTING CITIES	10,952	11,300	10,372	+5.6	359,854	365,565	-1.6
New England (14 cities)	614	735	607	+1.2	22,157	22,880	-3.2
Middle Atlantic (20 cities)	3,126*	3,437	2,762	+13.2	102,780	101,211	+1.6
East North Central (21 cities)	2,352	2,317	2,207	+6.6	76,886	78,880	-2.5
West North Central (9 cities)	773	711	756	+2.2	24,435	25,414	-3.9
South Atlantic (11 cities)	986	1,042	878	+12.3	31,083	31,624	-1.7
East South Central (8 cities)	519	455	483	+7.5	16,278	16,614	-2.0
West South Central (13 cities)	991	914	994	-0.3	30,602	32,242	-5.1
Mountain (8 cities)	363	341	339	+7.1	11,485	11,388	+0.9
Pacific (13 cities)	1,228	1,348	1,346	-8.8	44,148	45,312	-2.6

*Includes estimate for missing reports.

Table 4. DEATHS IN SELECTED CITIES

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

Area	31st week ended Aug. 5, 1961	30th week ended July 29, 1961	Cumulative, first 31 weeks 1961	Cumulative, first 31 weeks 1960
NEW ENGLAND:				
Boston, Mass.	237	231	7,564	7,983
Bridgeport, Conn.	27	50	1,201	1,308
Cambridge, Mass.	19	32	913	999
Fall River, Mass.	28	22	849	899
Hartford, Conn.	53	54	1,496	1,508
Lowell, Mass.	21	26	773	762
Lynn, Mass.	16	27	691	763
New Bedford, Mass.	18	23	836	756
New Haven, Conn.	40	50	1,449	1,422
Providence, R.I.	39	79	1,963	2,023
Somerville, Mass.	17	17	424	429
Springfield, Mass.	29	50	1,431	1,456
Waterbury, Conn.	22	29	851	871
Worcester, Mass.	48	45	1,716	1,701
MIDDLE ATLANTIC:				
Albany, N.Y.	38	41	1,454	1,404
Allentown, Pa.	31	36	1,085	1,098
Buffalo, N.Y.	130	142	4,630	4,647
Camden, N.J.	45	42	1,338	1,380
Elizabeth, N.J.	33	29	890	918
Erie, Pa.	38	41	1,240	1,221
Jersey City, N.J.	73	81	2,199	2,230
Newark, N.J.	98	102	3,196	3,052
New York City, N.Y.	1,502	1,885	52,501	51,439
Paterson, N.J.	42	42	1,225	1,216
Philadelphia, Pa.	543	498	16,137	15,548
Pittsburgh, Pa.	281	135	6,056	6,118
Reading, Pa.	23*	27	720	749
Rochester, N.Y.	91	109	3,106	3,133
Schenectady, N.Y.	14	28	760	757
Scranton, Pa.	36	36	1,103	1,183
Syracuse, N.Y.	33	47	1,874	1,944
Trenton, N.J.	28	54	1,394	1,324
Utica, N.Y.	25	27	890	867
Yonkers, N.Y.	22	35	982	983
EAST NORTH CENTRAL:				
Akron, Ohio	53	56	1,779	1,778
Canton, Ohio	35	18	964	1,083
Chicago, Ill.	680	710	23,248	24,375
Cincinnati, Ohio	151	141	4,933	4,922
Cleveland, Ohio	195	179	6,407	6,693
Columbus, Ohio	110	112	3,547	3,708
Dayton, Ohio	85	76	2,549	2,289
Detroit, Mich.	338	325	10,528	10,902
Evansville, Ind.	46	29	1,125	1,153
Flint, Mich.	32	51	1,343	1,258
Fort Wayne, Ind.	40	32	1,198	1,171
Gary, Ind.	15	34	954	1,003
Grand Rapids, Mich.	31	48	1,415	1,328
Indianapolis, Ind.	144	129	4,478	4,626
Madison, Wis.	29	26	1,004	1,004
Milwaukee, Wis.	139	122	3,866	3,927
Peoria, Ill.	22	16	872	936
Rockford, Ill.	26	24	883	914
South Bend, Ind.	41	30	916	884
Toledo, Ohio	90	94	3,086	3,166
Youngstown, Ohio	50	65	1,791	1,760
WEST NORTH CENTRAL:				
Des Moines, Iowa	63	54	1,651	1,757
Duluth, Minn.	25	17	799	798
Kansas City, Kans.	32	33	1,183	1,081
Kansas City, Mo.	114	114	4,004	4,047
Lincoln, Nebr.	(18)	(18)	(867)	(823)
Minneapolis, Minn.	107	109	3,736	3,909
Omaha, Nebr.	80	68	2,166	2,334
WEST NORTH CENTRAL—Con.:				
St. Louis, Mo.	232	221	7,384	7,825
St. Paul, Minn.	65	55	2,067	2,221
Wichita, Kans.	55	40	1,445	1,442
SOUTH ATLANTIC:				
Atlanta, Ga.	103	121	3,560	3,721
Baltimore, Md.	245	247	7,765	8,009
Charlotte, N.C.	38	35	1,106	1,248
Jacksonville, Fla.	51	69	1,801	1,938
Miami, Fla.	73	79	2,379	2,329
Norfolk, Va.	46	52	1,581	1,308
Richmond, Va.	89	89	2,478	2,512
Savannah, Ga.	33	21	1,015	1,123
St. Petersburg, Fla.	(65)	(53)	(2,217)	(2,301)
Tampa, Fla.	79	71	2,116	2,105
Washington, D.C.	185	216	6,034	6,137
Wilmington, Del.	44	42	1,248	1,194
EAST SOUTH CENTRAL:				
Birmingham, Ala.	80	85	2,699	2,720
Chattanooga, Tenn.	32	45	1,478	1,486
Knoxville, Tenn.	33	17	869	924
Louisville, Ky.	145	71	3,581	3,638
Memphis, Tenn.	110	98	3,596	3,572
Mobile, Ala.	30	53	1,259	1,294
Montgomery, Ala.	30	27	974	1,105
Nashville, Tenn.	59	59	1,822	1,875
WEST SOUTH CENTRAL:				
Austin, Tex.	35	44	1,073	1,105
Baton Rouge, La.	24	27	877	907
Corpus Christi, Tex.	14	11	689	773
Dallas, Tex.	117	119	3,870	3,984
El Paso, Tex.	36	28	1,100	1,218
Fort Worth, Tex.	57	52	1,987	2,122
Houston, Tex.	189	163	5,151	5,365
Little Rock, Ark.	62	28	1,738	1,834
New Orleans, La.	155	182	5,228	5,839
Oklahoma City, Okla.	73	64	2,346	2,371
San Antonio, Tex.	123	99	3,205	3,229
Shreveport, La.	43	55	1,619	1,724
Tulsa, Okla.	63	42	1,719	1,771
MOUNTAIN:				
Albuquerque, N. Mex.	27	26	984	976
Colorado Springs, Colo.	11	21	508	528
Denver, Colo.	106	123	3,596	3,729
Ogden, Utah	26	23	519	519
Phoenix, Ariz.	91	74	2,605	2,433
Pueblo, Colo.	19	18	521	504
Salt Lake City, Utah	46	34	1,528	1,555
Tucson, Ariz.	37	22	1,224	1,144
PACIFIC:				
Berkeley, Calif.	15	15	526	527
Fresno, Calif.	(32)	(42)	(1,393)	(1,439)
Glendale, Calif.	(31)	(25)	(1,055)	(1,227)
Honolulu, Hawaii	41	44	1,245	1,301
Long Beach, Calif.	52	48	1,727	1,748
Los Angeles, Calif.	433	471	15,630	16,162
Oakland, Calif.	80	79	3,041	3,024
Pasadena, Calif.	26	27	1,030	1,076
Portland, Oreg.	94	95	3,365	3,450
Sacramento, Calif.	46	60	1,951	1,825
San Diego, Calif.	64	87	2,752	2,808
San Francisco, Calif.	174	191	6,142	6,234
San Jose, Calif.	(29)	(34)	(1,092)	(1,106)
Seattle, Wash.	140	131	4,102	4,375
Spokane, Wash.	30	52	1,430	1,473
Tacoma, Wash.	33	48	1,207	1,309
San Juan, P. R.	(39)	(23)	(1,069)	(1,097)

*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.

cooperation with a team from the Communicable Disease Center.)

Bat Rabies – Pennsylvania and New York

During the last two months there has been an unusual number of episodes reported in which rabid or suspect rabid bats have bitten persons in the central and eastern New York and Pennsylvania areas. Other than for three episodes in Lycoming County, Pennsylvania, the occurrences have been rather widely scattered in these States.

The episodes by State, county, date of biting and status of laboratory studies with respect to the bats are listed below:

State	County	Date of Biting	Laboratory Studies of Bats
Pennsylvania	Chester	June 8	Rabies
New York	Westchester	June 20	Rabies
Pennsylvania	Lycoming	July 14	Rabies
Pennsylvania	Northumberland	July 19	Rabies
New York	Schenectady	July 19	Rabies
Pennsylvania	Lycoming	July 24	Pending
Pennsylvania	Lycoming	July 27	Pending
New York	Ontario	July 29	Rabies
New York	Madison	July 29	Rabies
New York	Clinton	August 3	Bat destroyed before studies

Also obtained in New York State were two additional bats in which rabies was confirmed but which were unassociated with biting episodes. These were obtained in Rensselaer and Albany Counties on May 22 and August 8, respectively,

Pasteur treatment has been administered to those bitten; no human cases have occurred. The bats in each of the Pennsylvania cases have been identified as the small brown bat (*Myotis lucifugus*). The New York bats are still under study. Intensified surveillance and study of the situation has been initiated.

(Reported by Ernest J. Witte, Chief, Section of Veterinary Public Health, Pennsylvania Department of Health, and Dr. Donald Dean, Veterinary Science Laboratories, New York State 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.