

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

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Atlanta 22, Georgia

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Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended May 27, 1961

Hepatitis - The current weekly total of 1,611 cases represents a slight increase over the 1,535 cases reported last week. The tabulation of hepatitis cases by age appears on page 8. Notable adult concentrations continue particularly in the Eastern Seaboard States of Massachusetts, Connecticut, New York, and New Jersey, but are also evident in Minnesota, Washington, and New Mexico.

Poliomyelitis - Reported this week from seven different States were 9 cases, 6 of which were paralytic. An additional paralytic case was reported by the Commonwealth of Puerto Rico. This week's cases bring the total in 1961 through May 20 to 171 cases, 111 paralytic.

Polio (cumulated weekly) through the 21st Week for the Past 5 Years

	1961	1960	1959	1958	1957
Paralytic	111	225	370	198	448
Total	171	312	530	379	910

EPIDEMIOLOGICAL REPORTS

Anthrax in Man in the United States - 1960

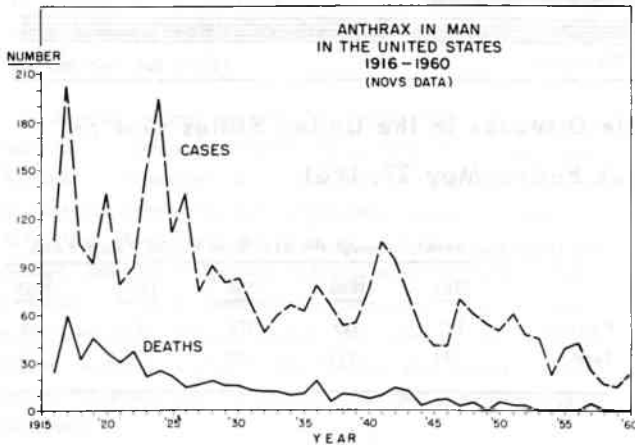
During 1960, 23 cases of human anthrax without any deaths were reported to the Anthrax Investigations Unit of

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)	21st Week			Cumulative						Approximate seasonal low point
	Ended May 27, 1961	Ended May 28, 1960	Median 1956-60	First 21 weeks		Since seasonal low week				
				1961	1960	Median 1956-60	1960-61	1960-60	Median 1955-56 to 1959-60	
* Weekly incidence low or sporadic										
--- Data not available										
- Quantity zero										
Anthrax-----062	1	-	*	3	10	*	*	*	*	*
Botulism-----049.1	-	-	*	4	3	*	*	*	*	*
Brucellosis (undulant fever)-----044	10	20	21	223	352	347	*	*	*	*
Diphtheria-----055	7	11	11	275	307	355	855	842	1,052	July 1
Encephalitis, infectious-----082	28	43	35	599	611	562	599	611	562	Jan. 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	1,611	773	350	36,932	16,546	10,047	52,139	24,310	15,365	Sept. 1
Malaria-----110-117	1	1	*	18	21	*	*	*	*	*
Measles-----085	17,864	18,515	19,192	293,067	304,900	350,573	329,277	338,934	387,242	Sept. 1
Meningitis, aseptic-----340 pt.	44	28	---	529	588	---	529	588	---	Jan. 1
Meningococcal infections-----057	38	34	45	1,028	1,070	1,181	1,684	1,791	1,959	Sept. 1
Poliomyelitis-----080	9	13	47	171	312	526	68	96	233	Apr. 1
Paralytic-----080.0,080.1	6	10	33	111	225	366	51	71	158	Apr. 1
Nonparalytic-----080.2	2	2	9	34	54	98	9	18	50	Apr. 1
Unspecified-----080.3	1	1	5	26	33	62	8	7	25	Apr. 1
Pittacosis-----096.2	1	2	*	23	38	*	*	*	*	*
Rabies in man-----094	-	-	*	2	-	*	*	*	*	*
Streptococcal sore throat, including scarlet fever-----050,051	6,172	6,211	---	185,750	171,825	---	283,402	---	---	Aug. 1
Typhoid fever-----040	12	13	22	220	215	297	106	88	117	Apr. 1
Typhus fever, endemic-----101	1	3	*	12	18	*	*	*	*	*
Rabies in animals-----	75	74	84	1,506	1,722	2,059	2,082	2,702	2,841	Oct. 1

Anthrax - N. Carolina 1.



the Communicable Disease Center. All represented cutaneous lesions on exposed areas of the body. Twenty (87 percent) of these cases occurred among industrial workers, 16 having contact with proved contaminated goat hair, 3 with proved contaminated wool, and 1 case in a stevedore who handled both hides and wool. Two were agricultural-associated cases: one occurred in a veterinarian who autopsied animals that died of anthrax. The second agricultural-associated case had contact with sheep prior to developing his lesion. The remaining case occurred in a refrigerator repairman who had no known contact with *Bacillus anthracis* infected materials.

Fifteen of the industrial cases occurred at one mill in South Carolina which, during the past year, began to process imported raw goat hair, work formerly done in its Philadelphia and North Carolina mills, among whose employees cases of cutaneous anthrax had been seen. Two cases were reported from Massachusetts, and single cases were reported from New Hampshire, New Jersey, Pennsylvania, New York, Arkansas and Illinois.

The 23 cases reported in 1960 represents an increase from the 15 cases reported in 1959 and 17 cases reported in 1958. During the past 45 years, however, the annual number of cases reported has been gradually decreasing as shown in the graph above.

Salmonellosis - Washington

On April 10, 1961, a three year old female resident

of Spokane, Washington became ill with symptoms of abdominal cramping, fever and severe bloody diarrhea. Stool culture yielded a group B *Salmonella* which later proved to be *Salmonella typhimurium*. Epidemiologic investigation revealed that four of six remaining members of the family of the index case experienced similar illnesses, although less severe, all with onset on April 15. In addition, 3 similar cases were reported in a family of five persons living temporarily in the same household, both with onsets on April 17th. Five other families living in or near Spokane, with whom the index case had contact since April 1 were investigated and in one of these families 2 additional cases were recorded. In every case, illness occurred between one and seven days after contact with the 3 year old index case. On April 19 and 20, stool specimens were obtained from 30 of 38 persons from the seven families investigated. Of the ten persons who had experienced illness, eight yielded *S. typhimurium*. The same organism was also isolated from one person in each of two contact families in which no clinical illness was reported. Although the source of infection in the three year old index case remains undetermined, it appears possible that this child may have infected twelve persons representing five families and caused clinical salmonellosis in ten of the twelve. Transmission was likely through intimate contact or food contamination, although no single meal was common to all involved persons.

(Submitted by Dr. Ernest A. Ager, Head, Communicable Disease Control, State of Washington Department of Health.)

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED MAY 28, 1960 AND MAY 27, 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- tant fever) 044
	Total (Includes cases not specified by type)				Paralytic 080.0,080.1				Nonparalytic 080.2			
	21st Week		Cumulative, first 21 weeks		21st Week		Cumulative, first 21 weeks					
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960		
UNITED STATES-----	9	13	171	312	6	10	111	225	2	2	44	10
NEW ENGLAND-----	-	-	3	10	-	-	3	10	-	-	-	-
Maine-----	-	-	-	5	-	-	-	5	-	-	-	-
New Hampshire-----	-	-	-	-	-	-	-	-	-	-	-	-
Vermont-----	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts-----	-	-	2	5	-	-	2	5	-	-	-	-
Rhode Island-----	-	-	-	-	-	-	-	-	-	-	-	-
Connecticut-----	-	-	1	-	-	-	1	-	-	-	-	-
MIDDLE ATLANTIC-----	-	-	15	41	-	-	12	29	-	-	7	-
New York-----	-	-	6	33	-	-	5	22	-	-	4	-
New Jersey-----	-	-	5	6	-	-	4	6	-	-	2	-
Pennsylvania-----	-	-	4	2	-	-	3	1	-	-	1	-
EAST NORTH CENTRAL-----	2	-	23	39	2	-	15	13	-	-	5	2
Ohio-----	-	-	8	18	-	-	4	5	-	-	1	-
Indiana-----	-	-	3	-	-	-	2	-	-	-	-	-
Illinois-----	1	-	7	6	1	-	6	4	-	-	3	2
Michigan-----	1	-	2	12	1	-	2	3	-	-	1	-
Wisconsin-----	-	-	3	3	-	-	1	1	-	-	-	-
WEST NORTH CENTRAL-----	1	-	5	15	-	-	3	9	-	-	-	6
Minnesota-----	-	-	1	8	-	-	1	6	-	-	-	-
Iowa-----	-	-	1	3	-	-	-	1	-	-	-	5
Missouri-----	1	-	1	3	-	-	-	2	-	-	-	-
North Dakota-----	-	-	-	-	-	-	-	-	-	-	-	-
South Dakota-----	-	-	-	1	-	-	-	-	-	-	-	1
Nebraska-----	-	-	2	-	-	-	2	-	-	-	-	-
Kansas-----	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH ATLANTIC-----	-	3	14	49	-	2	10	39	-	1	2	-
Delaware-----	-	-	2	-	-	-	1	-	-	-	-	-
Maryland-----	-	-	1	-	-	-	-	-	-	-	-	-
District of Columbia-----	-	-	-	-	-	-	-	-	-	-	-	-
Virginia-----	-	-	-	-	-	-	-	-	-	-	-	-
West Virginia-----	-	1	2	4	-	1	1	4	-	-	-	-
North Carolina-----	-	-	4	14	-	-	3	14	-	-	-	-
South Carolina-----	-	1	1	3	-	-	1	2	-	1	-	-
Georgia-----	-	-	2	3	-	-	2	2	-	-	-	-
Florida-----	-	1	3	24	-	1	2	17	-	-	2	-
EAST SOUTH CENTRAL-----	-	1	16	13	-	-	4	11	-	-	10	1
Kentucky-----	-	1	14	7	-	-	2	5	-	-	6	-
Tennessee-----	-	-	1	1	-	-	1	1	-	-	-	-
Alabama-----	-	-	-	1	-	-	-	1	-	-	-	-
Mississippi-----	-	-	1	4	-	-	1	4	-	-	4	1
WEST SOUTH CENTRAL-----	3	3	29	34	2	2	17	25	1	1	1	-
Arkansas-----	-	-	1	-	-	-	-	-	-	-	-	-
Louisiana-----	1	2	7	10	1	2	5	9	-	-	-	-
Oklahoma-----	-	-	-	3	-	-	-	3	-	-	-	-
Texas-----	2	1	21	21	1	-	12	13	1	1	1	-
MOUNTAIN-----	-	-	18	16	-	-	10	8	-	-	3	-
Montana-----	-	-	1	6	-	-	1	3	-	-	-	-
Idaho-----	-	-	4	4	-	-	1	1	-	-	-	-
Wyoming-----	-	-	-	1	-	-	-	-	-	-	-	-
Colorado-----	-	-	3	1	-	-	3	1	-	-	3	-
New Mexico-----	-	-	1	1	-	-	-	-	-	-	-	-
Arizona-----	-	-	3	2	-	-	1	2	-	-	-	-
Utah-----	-	-	6	1	-	-	4	1	-	-	-	-
Nevada-----	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC-----	3	6	48	95	2	6	37	81	1	-	16	1
Washington-----	-	-	6	7	-	-	4	7	-	-	2	-
Oregon-----	1	-	4	12	-	-	1	8	1	-	-	1
California-----	2	4	36	72	2	4	30	62	-	-	14	-
Alaska-----	-	1	-	1	-	1	-	1	-	-	-	-
Hawaii-----	-	1	2	3	-	1	2	3	-	-	-	-
Puerto Rico-----	1	18	4	134	1	18	4	131	-	-	-	-

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED MAY 28, 1960 AND MAY 27, 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	
	21st Week		Cumulative, first 21 weeks		082		21st Week		Cumulative, first 21 weeks		085	
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960
UNITED STATES-----	7	11	275	307	28	43	1,611	773	36,932	16,546	17,864	18,515
NEW ENGLAND-----	-	-	4	8	2	-	50	22	992	509	1,625	2,034
Maine-----	-	-	2	2	-	-	1	-	60	35	19	81
New Hampshire-----	-	-	-	-	-	-	3	1	66	18	49	109
Vermont-----	-	-	-	-	-	-	3	1	118	9	9	202
Massachusetts-----	-	-	4	5	-	-	20	11	337	263	1,027	1,010
Rhode Island-----	-	-	-	1	2	-	5	6	135	86	89	77
Connecticut-----	-	-	-	-	-	-	18	3	276	98	432	555
MIDDLE ATLANTIC-----	-	-	13	8	5	9	220	95	5,353	1,709	4,414	2,518
New York-----	-	-	6	1	-	6	85	46	2,183	854	1,307	1,684
New Jersey-----	-	-	-	1	3	-	53	9	1,320	145	1,276	545
Pennsylvania-----	-	-	7	6	2	3	82	40	1,850	710	1,831	289
EAST NORTH CENTRAL-----	-	3	8	25	3	2	398	143	7,435	3,197	4,782	6,388
Ohio-----	-	-	1	14	1	-	108	63	2,685	1,029	779	1,094
Indiana-----	-	1	1	4	-	-	58	13	1,255	429	346	517
Illinois-----	-	1	5	3	-	-	121	19	1,225	660	485	702
Michigan-----	-	-	1	3	2	2	100	48	2,085	932	1,551	1,700
Wisconsin-----	-	1	-	1	-	-	11	-	185	147	1,621	2,375
WEST NORTH CENTRAL-----	3	-	22	16	-	1	158	46	3,801	1,364	365	133
Minnesota-----	3	-	11	5	-	-	49	4	850	137	29	48
Iowa-----	-	-	1	2	-	-	49	6	1,106	239	161	11
Missouri-----	-	-	-	2	-	1	38	28	860	504	108	18
North Dakota-----	-	-	2	1	-	-	3	1	78	101	38	56
South Dakota-----	-	-	6	5	-	-	1	-	119	113	9	-
Nebraska-----	-	-	2	-	-	-	12	-	366	123	20	-
Kansas-----	-	-	-	1	-	-	6	7	422	147	NN	NN
SOUTH ATLANTIC-----	1	6	53	70	-	5	166	84	4,442	1,959	1,499	736
Delaware-----	-	-	-	-	-	-	4	7	117	108	9	12
Maryland-----	-	-	1	1	-	-	13	4	402	192	263	144
District of Columbia-----	-	-	2	-	-	1	1	1	43	13	6	21
Virginia-----	-	-	10	8	-	-	40	6	631	385	573	104
West Virginia-----	-	-	1	2	-	-	18	17	973	392	347	197
North Carolina-----	-	-	6	2	-	-	39	5	999	137	112	22
South Carolina-----	-	3	1	18	-	-	11	1	269	37	48	22
Georgia-----	1	2	11	15	-	-	10	-	423	147	3	1
Florida-----	-	1	21	24	-	4	30	43	585	548	138	213
EAST SOUTH CENTRAL-----	-	1	9	37	1	6	177	139	5,868	2,570	1,007	1,389
Kentucky-----	-	-	3	1	-	-	52	59	1,697	1,045	248	237
Tennessee-----	-	-	2	5	-	2	74	60	2,437	835	677	1,039
Alabama-----	-	1	2	19	-	2	23	17	946	517	22	60
Mississippi-----	-	-	2	12	1	2	28	3	788	173	60	53
WEST SOUTH CENTRAL-----	3	1	156	114	3	3	122	64	2,670	1,344	720	1,601
Arkansas-----	-	-	2	2	1	2	16	11	540	64	64	63
Louisiana-----	-	-	14	26	-	-	34	5	264	53	2	3
Oklahoma-----	1	-	3	6	-	-	7	1	202	189	29	7
Texas-----	2	1	137	80	2	1	65	47	1,664	1,038	625	1,528
MOUNTAIN-----	-	-	7	28	1	1	139	73	2,408	1,372	736	1,096
Montana-----	-	-	2	2	-	-	8	1	230	55	49	78
Idaho-----	-	-	-	11	-	-	4	9	134	180	71	83
Wyoming-----	-	-	-	5	1	1	-	2	88	12	25	4
Colorado-----	-	-	4	2	-	-	60	25	845	472	213	530
New Mexico-----	-	-	-	3	-	-	9	4	283	208	NN	-
Arizona-----	-	-	-	2	-	-	25	21	337	297	339	275
Utah-----	-	-	-	3	-	-	33	11	418	129	25	120
Nevada-----	-	-	1	-	-	-	-	-	73	19	14	6
PACIFIC-----	-	-	3	1	13	16	181	107	3,963	2,522	2,716	2,620
Washington-----	-	-	-	-	1	-	22	7	516	283	269	523
Oregon-----	-	-	-	-	-	3	27	23	671	475	189	834
California-----	-	-	-	-	12	13	129	71	2,611	1,604	2,248	1,115
Alaska-----	-	-	3	1	-	-	2	1	134	116	6	102
Hawaii-----	-	-	-	-	-	-	1	5	31	44	4	46
Puerto Rico-----	3	2	34	84	-	-	25	10	352	382	52	44

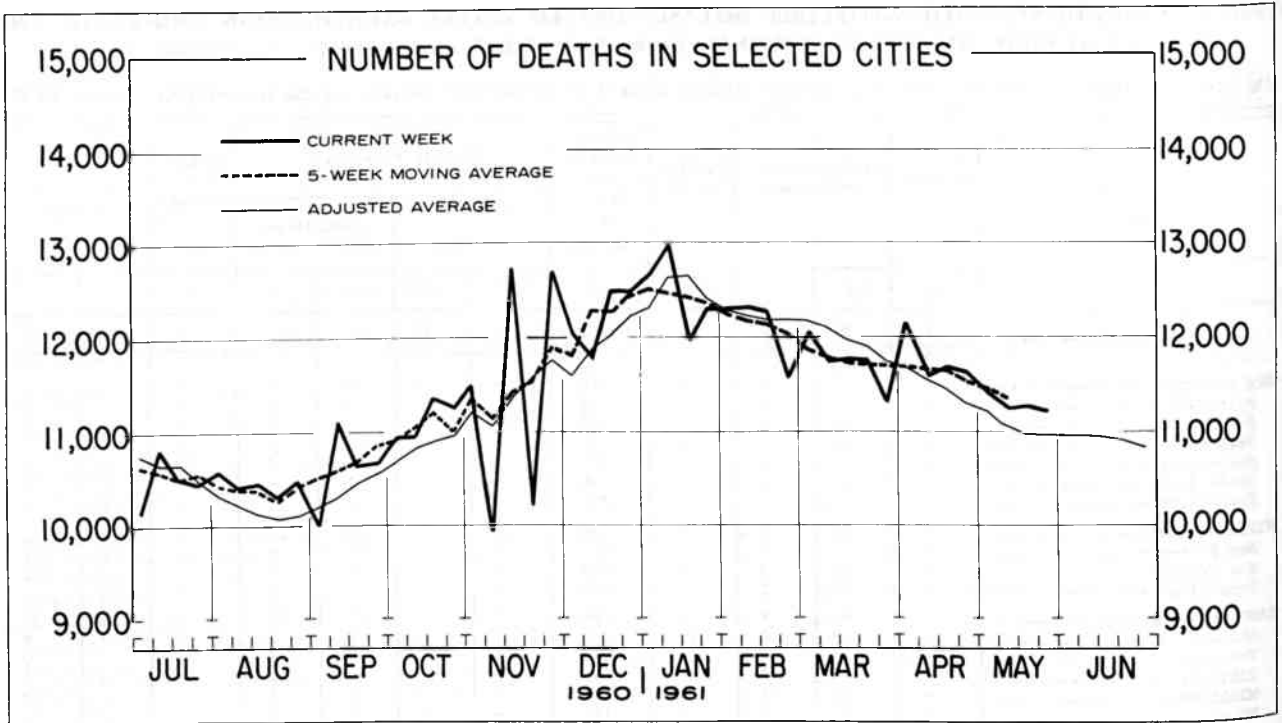
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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED MAY 28, 1960 AND MAY 27, 1961 - Continued

(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	21st Week		Cumulative, first 21 weeks		101	1961	1960
	1961	1960	1961	1960	1961	1961	1961	1960	1961	1960	1961	1961	1960
UNITED STATES-----	1	38	34		1	6,172	12	13	220	215	1	75	74
NEW ENGLAND-----	-	1	1		-	476	-	-	6	4	-	-	-
Maine-----	-	-	-		-	3	-	-	1	1	-	-	-
New Hampshire-----	-	-	-		-	16	-	-	-	-	-	-	-
Vermont-----	-	-	-		-	6	-	-	-	-	-	-	-
Massachusetts-----	-	-	1		-	181	-	-	1	2	-	-	-
Rhode Island-----	-	-	-		-	36	-	-	1	-	-	-	-
Connecticut-----	-	1	-		-	234	-	-	3	1	-	-	-
MIDDLE ATLANTIC-----	-	11	5		-	730	2	1	23	11	-	2	15
New York-----	-	2	1		-	431	1	1	10	9	-	2	15
New Jersey-----	-	2	3		-	176	-	-	4	-	-	-	-
Pennsylvania-----	-	7	1		-	123	1	-	9	2	-	-	-
EAST NORTH CENTRAL-----	-	4	7		-	798	2	1	29	27	-	7	17
Ohio-----	-	-	2		-	235	1	-	8	3	-	-	9
Indiana-----	-	-	-		-	110	1	1	4	9	-	2	3
Illinois-----	-	-	1		-	128	-	-	15	6	-	3	3
Michigan-----	-	4	1		-	154	-	-	1	5	-	2	2
Wisconsin-----	-	-	3		-	171	-	-	1	4	-	-	-
WEST NORTH CENTRAL-----	-	2	5		1	201	-	1	17	13	-	23	5
Minnesota-----	-	-	3		-	26	-	-	5	1	-	4	1
Iowa-----	-	-	-		-	39	-	-	1	-	-	13	1
Missouri-----	-	1	-		-	3	-	1	8	10	-	4	3
North Dakota-----	-	-	-		-	60	-	-	-	-	-	-	-
South Dakota-----	-	-	-		1	-	-	-	1	1	-	2	-
Nebraska-----	-	-	-		-	-	-	-	-	1	-	-	-
Kansas-----	-	1	2		-	73	-	-	2	-	-	-	-
SOUTH ATLANTIC-----	-	9	4		-	282	3	1	35	26	-	8	7
Delaware-----	-	-	-		-	3	-	-	-	-	-	-	-
Maryland-----	-	1	1		-	29	-	-	-	-	-	-	-
District of Columbia-----	-	-	-		-	2	1	-	4	1	-	-	-
Virginia-----	-	1	-		-	107	-	-	1	3	-	6	2
West Virginia-----	-	-	1		-	87	-	-	4	1	-	2	5
North Carolina-----	-	2	-		-	12	-	-	6	7	-	-	-
South Carolina-----	-	-	-		-	13	-	-	2	6	-	-	-
Georgia-----	-	-	-		-	-	1	-	13	2	-	-	-
Florida-----	-	5	2		-	29	1	1	5	6	-	-	-
EAST SOUTH CENTRAL-----	-	6	6		-	1,093	-	1	27	40	-	9	4
Kentucky-----	-	3	2		-	120	-	-	6	11	-	5	-
Tennessee-----	-	-	2		-	914	-	1	19	20	-	4	1
Alabama-----	-	2	2		-	3	-	-	2	6	-	-	2
Mississippi-----	-	1	-		-	56	-	-	-	3	-	-	1
WEST SOUTH CENTRAL-----	-	2	-		-	736	3	5	38	62	1	16	25
Arkansas-----	-	-	-		-	2	-	-	4	17	-	2	17
Louisiana-----	-	1	-		-	7	-	1	4	13	-	2	1
Oklahoma-----	-	-	-		-	32	-	-	4	5	-	-	-
Texas-----	-	1	-		-	695	3	4	26	27	1	12	7
MOUNTAIN-----	-	-	1		-	1,254	1	3	20	15	-	-	-
Montana-----	-	-	-		-	25	-	-	3	5	-	-	-
Idaho-----	-	-	-		-	113	-	-	-	-	-	-	-
Wyoming-----	-	-	-		-	1	-	-	1	1	-	-	-
Colorado-----	-	-	-		-	437	-	-	5	-	-	-	-
New Mexico-----	-	-	-		-	364	1	-	4	4	-	-	-
Arizona-----	-	-	1		-	199	-	3	4	5	-	-	-
Utah-----	-	-	-		-	108	-	-	2	-	-	-	-
Nevada-----	-	-	-		-	7	-	-	1	-	-	-	-
PACIFIC-----	1	3	5		-	602	1	-	25	17	-	10	1
Washington-----	-	-	1		-	209	1	-	3	1	-	-	-
Oregon-----	-	-	3		-	23	-	-	-	-	-	-	-
California-----	1	2	1		-	326	-	-	22	16	-	10	1
Alaska-----	-	1	-		-	43	-	-	-	-	-	-	-
Hawaii-----	-	-	-		-	1	-	-	-	-	-	-	-
Puerto Rico-----	-	1	-		-	6	-	-	8	16	-	1	1

Morbidity and Mortality Weekly Report



The chart shows the number of deaths reported for 117 major cities of the United States by week for the current year, a 5-week moving average of these figures plotted at the central week, and an adjusted average for comparison. For each region the adjusted average was computed as follows: From the total deaths reported each week for the years 1956-1960, 3 central figures were selected by eliminating the highest and lowest figure reported for that week. A 5-week moving average of the arithmetic mean of the 3 central figures was then computed with adjustment to allow for population growth in each region. The average value of the regional increases was 2 percent which was incorporated in the adjusted average shown in the chart.

Table 4 shows the number of death certificates re-

ceived during the week indicated for deaths that occurred in selected cities. Figures compiled in this way, by week of receipt, usually approximate closely the number of deaths occurring during the week. However, differences are to be expected because of variations in the interval between death and receipt of the certificate and because of incomplete reporting due to holidays or vacations. If a report is not received from a city in time to be included in the total for the current week, an estimate is used.

The number of deaths in cities of the same size may also differ because of variations in the age, race, and sex composition of the populations and because some cities are hospital centers serving the surrounding areas. Changes from year to year in the number of deaths may be due in part to population increases or decreases.

Table 3. DEATHS IN SELECTED CITIES BY GEOGRAPHIC DIVISIONS

(By place of occurrence and week of filing certificate. Excludes fetal deaths. Data exclude figures shown in parentheses in table 4.)

Area	21st week ended May 27, 1961	20th week ended May 20, 1961	Adjusted average, 21st week 1956-60	Percent change, adjusted average to current week	Cumulative, first 21 weeks		
					1961	1960	Percent change
TOTAL, 117 REPORTING CITIES-----	11,224	11,286	10,960	+2.4	249,381	258,815	-3.6
New England----- (14 cities)	746	661	653	+14.2	15,405	16,329	-5.7
Middle Atlantic----- (20 cities)	3,204	3,212	3,042	+5.3	71,505	71,393	+0.2
East North Central----- (21 cities)	2,432	2,481	2,340	+3.9	53,066	55,534	-4.4
West North Central----- (9 cities)	722	826	783	-7.8	16,826	18,002	-6.5
South Atlantic----- (11 cities)	905	901	916	-1.2	21,466	22,662	-5.3
East South Central----- (8 cities)	481	532	486	-1.0	11,384	11,848	-3.9
West South Central----- (13 cities)	961	941	981	-2.0	21,341	22,761	-6.2
Mountain----- (8 cities)	348	369	352	-1.1	7,898	8,003	-1.3
Pacific----- (13 cities)	1,425	1,363	1,407	+1.3	30,490	32,283	-5.6

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Table 4. DEATHS IN SELECTED CITIES

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

Area	21st week ended May 27, 1961	20th week ended May 20, 1961	Cumulative, first 21 weeks		Area	21st week ended May 27, 1961	20th week ended May 20, 1961	Cumulative, first 21 weeks	
			1961	1960				1961	1960
NEW ENGLAND:					WEST NORTH CENTRAL—Con.:				
Boston, Mass.-----	249	227	5,269	5,692	St. Louis, Mo.-----	231	243	5,120	5,603
Bridgeport, Conn.-----	37	29	813	946	St. Paul, Minn.-----	58	74	1,422	1,574
Cambridge, Mass.-----	29	33	657	694	Wichita, Kans.-----	48	57	973	1,002
Fall River, Mass.-----	31	27	588	660	SOUTH ATLANTIC:				
Hartford, Conn.-----	56	51	1,035	1,027	Atlanta, Ga.-----	126	106	2,501	2,650
Lowell, Mass.-----	23	27	527	546	Baltimore, Md.-----	203	216	5,359	5,756
Lynn, Mass.-----	25	19	493	559	Charlotte, N.C.-----	29	34	751	928
New Bedford, Mass.-----	31	24	574	564	Jacksonville, Fla.-----	55	62	1,257	1,406
New Haven, Conn.-----	57	53	1,028	986	Miami, Fla.-----	75	64	1,616	1,669
Providence, R.I.-----	43	50	1,319	1,449	Norfolk, Va.-----	46	57	1,090	943
Somerville, Mass.-----	15	10	286	329	Richmond, Va.-----	81	67	1,718	1,802
Springfield, Mass.-----	45	40	1,005	1,042	Savannah, Ga.-----	23	32	725	833
Waterbury, Conn.-----	32	24	601	613	St. Petersburg, Fla.-----	(68)	(66)	(1,593)	(1,662)
Worcester, Mass.-----	73	47	1,210	1,222	Tampa, Fla.-----	43	61	1,434	1,506
MIDDLE ATLANTIC:					Washington, D.C.-----	184	170	4,169	4,311
Albany, N.Y.-----	48	41	1,013	966	Wilmington, Del.-----	40	32	846	858
Allentown, Pa.-----	35	47	752	796	EAST SOUTH CENTRAL:				
Buffalo, N.Y.-----	153	147	3,158	3,239	Birmingham, Ala.-----	58	85	1,889	1,922
Camden, N.J.-----	41	31	925	957	Chattanooga, Tenn.-----	37	58	1,051	1,051
Elizabeth, N.J.-----	36	31	631	639	Knoxville, Tenn.-----	22	32	594	641
Erie, Pa.-----	39	37	837	842	Louisville, Ky.-----	148	88	2,469	2,542
Jersey City, N.J.-----	74	74	1,540	1,595	Memphis, Tenn.-----	102	131	2,538	2,574
Newark, N.J.-----	107	87	2,245	2,157	Mobile, Ala.-----	34	51	895	955
New York City, N.Y.-----	1,588	1,627	36,667	36,229	Montgomery, Ala.-----	23	40	683	791
Paterson, N.J.-----	45	42	838	860	Nashville, Tenn.-----	57	47	1,265	1,372
Philadelphia, Pa.-----	516	516	11,244	11,077	WEST SOUTH CENTRAL:				
Pittsburgh, Pa.-----	179	170	4,076	4,312	Austin, Tex.-----	32	38	745	794
Reading, Pa.-----	26	16	467	524	Baton Rouge, La.-----	34	17	642	658
Rochester, N.Y.-----	104	105	2,169	2,221	Corpus Christi, Tex.-----	22	20	500	548
Schenectady, N.Y.-----	25	30	524	531	Dallas, Tex.-----	130	115	2,650	2,811
Scranton, Pa.-----	29	46	780	830	El Paso, Tex.-----	30	31	778	843
Syracuse, N.Y.-----	48	62	1,329	1,379	Fort Worth, Tex.-----	69	60	1,448	1,516
Trenton, N.J.-----	45	48	975	937	Houston, Tex.-----	155	153	3,562	3,718
Utica, N.Y.-----	32	29	626	624	Little Rock, Ark.-----	43	73	1,198	1,341
Yonkers, N.Y.-----	34	26	709	678	New Orleans, La.-----	164	154	3,616	4,084
EAST NORTH CENTRAL:					Oklahoma City, Okla.-----	77	78	1,665	1,677
Akron, Ohio-----	54	53	1,200	1,250	San Antonio, Tex.-----	107	108	2,230	2,310
Canton, Ohio-----	31	35	667	791	Shreveport, La.-----	48	36	1,121	1,196
Chicago, Ill.-----	722	777	16,073	17,035	Tulsa, Okla.-----	50	58	1,186	1,265
Cincinnati, Ohio-----	145	154	3,381	3,556	MOUNTAIN:				
Cleveland, Ohio-----	202	179	4,446	4,760	Albuquerque, N. Mex.-----	25	27	662	659
Columbus, Ohio-----	87	134	2,450	2,668	Colorado Springs, Colo.---	19	15	354	373
Dayton, Ohio-----	83	93	1,761	1,570	Denver, Colo.-----	116	106	2,470	2,632
Detroit, Mich.-----	364	347	7,230	7,633	Ogden, Utah-----	8	21	331	374
Evansville, Ind.-----	36	37	798	837	Phoenix, Ariz.-----	76	75	1,805	1,760
Flint, Mich.-----	46	46	938	886	Pueblo, Colo.-----	19	17	358	329
Fort Wayne, Ind.-----	40	40	847	818	Salt Lake City, Utah-----	51	62	1,062	1,063
Gary, Ind.-----	37	20	656	669	Tucson, Ariz.-----	34	46	856	813
Grand Rapids, Mich.-----	47	45	967	916	PACIFIC:				
Indianapolis, Ind.-----	131	138	3,131	3,265	Berkeley, Calif.-----	19	16	362	380
Madison, Wis.-----	47	29	686	709	Fresno, Calif.-----	(49)	(42)	(932)	(1,035)
Milwaukee, Wis.-----	116	124	2,662	2,763	Glendale, Calif.-----	(32)	(27)	(711)	(858)
Peoria, Ill.-----	34	23	623	657	Honolulu, Hawaii-----	48	38	864	908
Rockford, Ill.-----	28	35	627	626	Long Beach, Calif.-----	59	51	1,254	1,220
South Bend, Ind.-----	24	30	610	639	Los Angeles, Calif.-----	484	448	10,850	11,671
Toledo, Ohio-----	99	94	2,102	2,250	Oakland, Calif.-----	103	84	2,046	2,132
Youngstown, Ohio-----	59	48	1,211	1,236	Pasadena, Calif.-----	49	33	717	766
WEST NORTH CENTRAL:					Portland, Ore.-----	119	124	2,261	2,403
Des Moines, Iowa-----	48	63	1,134	1,226	Sacramento, Calif.-----	55	64	1,307	1,267
Duluth, Minn.-----	23	27	537	567	San Diego, Calif.-----	92	95	1,928	2,036
Kansas City, Kans.-----	28	35	812	758	San Francisco, Calif.-----	152	207	4,248	4,419
Kansas City, Mo.-----	136	131	2,728	2,898	San Jose, Calif.-----	(26)	(32)	(753)	(710)
Lincoln, Nebr.-----	(30)	(30)	(599)	(563)	Seattle, Wash.-----	144	104	2,812	3,114
Minneapolis, Minn.-----	103	126	2,631	2,709	Spokane, Wash.-----	53	57	977	1,010
Omaha, Nebr.-----	47	70	1,469	1,665	Tacoma, Wash.-----	48	42	864	957
					San Juan, P. R.-----	(46)	(47)	(769)	(734)

(1) Figures shown in parenthesis are from cities which have been reporting less than five years and hence are not included in Table 3.

QUARANTINE MEASURES

Immunization Information for International Travel

No Changes Reported

HEPATITIS CASES BY AGE*
WEEK ENDING MAY 27, 1961

State or Area	Under 20 Years	20 Years and Over	Age Un- specified	Total
NEW ENGLAND	19	29	2	50
Maine	—	1	—	1
New Hampshire	—	1	2	3
Vermont	2	1	—	3
Massachusetts	8	12	—	20
Rhode Island	3	2	—	5
Connecticut	6	12	—	18
MIDDLE ATLANTIC	95	123	2	220
New York	35	48	2	85
New Jersey	10	43	—	53
Pennsylvania	50	32	—	82
EAST NORTH CENTRAL	170	126	102	398
Ohio	54	25	29	108
Indiana	36	21	1	58
Illinois	47	45	29	121
Michigan	33	35	32	100
Wisconsin	—	—	11	11
WEST NORTH CENTRAL	89	56	13	158
Minnesota	20	26	3	49
Iowa	32	15	2	49
Missouri	29	9	—	38
North Dakota	2	1	—	3
South Dakota	—	—	1	1
Nebraska	3	2	7	12
Kansas	3	3	—	6
SOUTH ATLANTIC	112	49	5	166
Delaware	—	—	4	4
Maryland	10	3	—	13
District of Columbia	1	—	—	1
Virginia	25	15	—	40
West Virginia	13	5	—	18
North Carolina	33	6	—	39
South Carolina	6	5	—	11
Georgia	5	5	—	10
Florida	19	10	1	30
EAST SOUTH CENTRAL	115	26	36	177
Kentucky	41	4	7	52
Tennessee	59	14	1	74
Alabama	15	8	—	23
Mississippi	—	—	28	28
WEST SOUTH CENTRAL	73	39	10	122
Arkansas	10	6	—	16
Louisiana	25	4	5	34
Oklahoma	7	—	—	7
Texas	31	29	5	65
MOUNTAIN	37	19	83	139
Montana	6	2	—	8
Idaho	—	—	4	4
Wyoming	—	—	—	—
Colorado	3	3	54	60
New Mexico	2	7	—	9
Arizona	—	—	25	25
Utah	26	7	—	33
Nevada	—	—	—	—
PACIFIC	18	29	134	181
Washington	5	14	3	22
Oregon	12	14	1	27
California	—	—	129	129
Alaska	—	1	1	2
Hawaii	1	—	—	1
UNITED STATES	728	496	387	1,611

* States not reporting age classification are not listed.

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.

U. S. DEPARTMENT OF
HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE
Communicable Disease Center
Atlanta 22, Georgia
Official Business

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