

Morbidity and Mortality

Weekly
Report

PUBLIC HEALTH SERVICE

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

Prepared by the NATIONAL OFFICE OF VITAL STATISTICS Worth 3-4744

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Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended December 17, 1960

NOTICE

The responsibility for the collection and publication of statistics on notifiable diseases in States and on deaths in large cities will be transferred from the National Office of Vital Statistics (NOVS) to the Communicable Disease Center effective January 1, 1961. All other vital statistics reports and records should continue to be sent to NOVS.

The *Morbidity and Mortality Weekly Report* will not be changed in format immediately nor will there be any changes in the mailing list. A letter has been sent to the individual States and cities regarding details of the transfer, transmission of reports, and an interim plan to provide the Communicable Disease Center with duplicate information during the 3 weeks preceding the transfer. Beginning with data for the week ending January 7, 1961, all weekly telegraphic and epidemiologic reports from the States and mortality reports from 123 cities—these reports only, and not others received by NOVS from these sources—should be sent to the: Communicable Disease Center
Atlanta 22, Georgia

Table 1. Cases of Specified Notifiable Diseases, United States

(Cumulative totals include revised and delayed reports)

Disease (Seventh Revision of International Lists, 1955)	50th week			Cumulative						Approximate seasonal low point
	Ended Dec. 17, 1960 ¹	Ended Dec. 19, 1959	Median 1955-59	First 50 weeks			Since seasonal low week			
				1960 ¹	1959	Median 1955-59	1959-60 ¹	1958-59	Median 1954-55 to 1958-59	
Anthrax-----062	-	-	-	18	12	20	(2)	(2)	(2)	(2)
Botulism-----049.1	-	-	-	10	21	11	(2)	(2)	(2)	(2)
Brucellosis (undulant fever)-----044	9	26	12	725	716	882	(2)	(2)	(2)	(2)
Diphtheria-----055	47	49	49	827	903	1,160	498	506	714	July 1
Encephalitis, infectious-----082	27	27	22	1,824	2,159	2,147	1,211	1,581	1,544	June 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	1,181	699	358	39,126	22,301	18,315	13,623	7,178	4,804	Sept. 1
Malaria-----110-117	-	1	1	73	70	144	(2)	(2)	(2)	(2)
Measles-----085	4,079	4,318	4,293	427,677	393,167	539,918	27,919	29,852	29,852	Sept. 1
Meningitis, aseptic-----340 pt.	30	-	-	2,924	-	-	-	-	-	-
Meningococcal infections-----057	33	46	46	2,115	2,165	2,537	580	598	771	Sept. 1
Poliomyelitis-----080	37	96	74	3,206	8,443	8,443	2,989	8,150	8,150	Apr. 1
Paralytic-----080.0,080.1	23	71	42	2,220	5,619	5,619	2,067	5,411	5,411	Apr. 1
Nonparalytic-----080.2	6	21	21	643	2,143	2,789	606	2,095	2,633	Apr. 1
Unspecified-----080.3	8	4	11	343	681	922	316	644	851	Apr. 1
Psittacosis-----096.2	1	8	8	95	119	249	(2)	(2)	(2)	(2)
Rabies in man-----094	-	-	-	2	4	5	(2)	(2)	(2)	(2)
Streptococcal sore throat, including scarlet fever-----050,051	7,644	-	-	296,730	-	-	-	-	-	-
Typhoid fever-----040	10	15	16	780	848	1,254	653	721	1,010	Apr. 1
Typhus fever, endemic-----101	-	2	-	62	47	100	57	41	84	Apr. 1
Rabies in animals-----	44	79	78	3,256	3,776	4,358	485	830	830	Oct. 1

¹Data exclude report from South Carolina for the current week.

²Data show no pronounced seasonal change in incidence.

Morbidity and Mortality Weekly Report

Twenty-five of the 47 cases of diphtheria reported for the week ended December 17 were reported in Texas; 7 cases were reported in Kentucky. For the previous 4 weeks, a total of 20 cases had been reported in Texas. The weekly number ranged from 3 to 7 cases. These cases occurred in several different counties.

EPIDEMIOLOGICAL REPORTS

Aseptic meningitis

The Washington State Communicable Disease Report for the week ended December 3 states that during the first 10 months of this year, 107 cases of aseptic meningitis were reported in that State. Investigation has been completed, or terminated for lack of laboratory specimens, on 77 of these cases. The other 30 are still under study. Laboratory confirmation has been obtained for 39 of the 77 cases. The etiologic agents with frequency of identification are as follows: Coxsackie B-5 virus (21 cases), Coxsackie B-4 virus (1), mumps virus (12), Poliovirus type 1 (2), Poliovirus type III (1), ECHO 7 virus (1), ECHO 14 virus (1). For 10 cases examination of paired sera and stool specimens failed to reveal the etiologic agent. For the other 28 cases no blood and/or stool specimens were received. It was reported that the distribution of the 77 cases by month of onset presents an epidemiologic curve closely resembling that for poliomyelitis in Washington. The peak occurred in August. However, the 12 cases of mumps virus infection occurred mainly in the spring months. The sex distribution (47 males and 30 females) is also similar to that for poliomyelitis. The age distribution shows a peak in the 5 to 9 year age group. Cases in persons under 20 years of age account for 70 percent of the total.

Diphtheria

Dr. Robert M. Albrecht, New York State Department of Health, supplied information on a fatal case of diphtheria in a 28-year-old white male. The man was admitted to a hospital on November 26 with a history of sore throat for 5 days and chills and fever. On examination, his tonsils were covered with a white exudate. The diagnosis of diphtheria was not suspected until shortly before death on November 28 and he was treated only with antibiotics and cortisone. On autopsy a thick, tough, grey membrane lining of the whole respiratory tree from the tonsils to the bronchioles was observed. Throat cultures obtained shortly before death and a culture of the trachea obtained at autopsy revealed diphtheria organisms. This was confirmed by guinea pig inoculation tests. The patient had been working at various places during the past few months, and he had no settled abode. It could not be ascertained whether he had received diphtheria toxoid in the past, but it was said that he had served in the United States Army between 1952 and 1954.

Tetanus

The Virginia Morbidity Report for the week ended December 3 states that 8 cases of tetanus had been reported through November in 8 widely separated counties. These occurred in April, May, July, August, and October. Four of the cases resulted in death. The ages of the individuals were as follows: 5, 11, 12, 22, 50, 53, 55, and 70 years. Of these, the 5-, 12-, 53-, and 70-year-old individuals died. Six of the cases were in males and 2 in females. The 2 cases in females terminated fatally.

Shigellosis

Dr. Arthur R. Daviau, Waterville (Maine) City Health Officer, reported 52 cases of shigellosis occurring among persons eating in the dining room of a dormitory. Shigella sonnei was isolated from a number of fecal specimens from infected persons and from a female cook. The cook became ill with gastroenteritis about 5 days prior to the outbreak, but she still continued to work.

Dr. Julia L. Freitag, New York State Department of Health, reported the occurrence of 2 sharp, school-centered outbreaks of gastroenteritis in a village with a population of about 3,300 persons. It was estimated that there were about 1,150 cases, giving an attack rate of 35 percent. Both outbreaks were characterized by acute onset of fever, abdominal pain, diarrhea, nausea, and vomiting. Stool specimens from 8 cases with onsets during the period from October 12 to 30 yielded Shigella sonnei. The first outbreak reached a peak among school children on October 11 and 12. It was believed that sporadic cases of shigellosis had been occurring in the village during September and early October and that the increased number of cases noted in the village and surrounding countryside resulted chiefly from secondary cases occurring in families having children in the school. The second school-centered outbreak, reaching a peak on October 23 and 24, was related to the cafeteria as a common source and presumably was due to some item of food. Three carriers of S. sonnei are known to have been working in the cafeteria during the week prior to this outbreak. It was believed that the earlier outbreak among school children was related also to the cafeteria, but this was not confirmed.

Staphylococcal food poisoning

Dr. Ralph Gregg and Mr. Roy Rosson, Cowlitz-Wahkiakum Health District (Washington) reported 2 outbreaks of food poisoning following the ingestion of coconut cream pies purchased from a bakery. Five persons in one family became ill after an evening meal. All had eaten coconut cream pie purchased from a local bakery. In the other family of 7 persons, 4 ate coconut cream pie on the same evening and became ill with nausea, vomiting, diarrhea, headache, and abdominal pains beginning 2 or 3 hours after eating the pie. A sample of the pie eaten by this family was examined and found positive for coagulase-positive Staphylococcus aureus. The owners of the bakery stated that the pies had been baked either 1 or 2 days before being eaten. They had not been refrigerated.

The San Francisco Department of Public Health reported that 2 persons became ill about 3 hours after eating corned beef and shrimp salad in a restaurant. No illness was reported among others who ate the suspect foods in the restaurant. Hemolytic, mannitol fermenting, coagulase-positive S. aureus was isolated from the shrimp salad. No corned beef was available for examination. There was no history of illness among the foodhandlers.

Gastroenteritis

Dr. John Kazutow, Maine District Health Officer, reported that 15 persons became ill about 8 hours after eating a church supper attended by a large number of persons. The outbreak did not come to the attention of public health authorities until several days after occurrence, but information obtained by a local physician and the parish priest indicated the only

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 DECEMBER 19, 1959, AND DECEMBER 17, 1960

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

Area	Polioomyelitis 080										Menin- gitis, aseptic 340 pt.	Brucel- losis (undul- ant fever) 044 1960
	Total ¹				Paralytic 080.0,080.1				Nonparalytic			
	50th week		Cumulative, first 50 weeks		50th week		Cumulative, first 50 weeks		080.2			
	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959		
UNITED STATES ²	37	96	3,206	8,443	23	71	2,220	5,619	6	21	30	9
NEW ENGLAND-----	4	6	235	393	4	6	186	302	-	-	1	-
Maine-----	4	4	52	89	4	4	51	89	-	-	1	-
New Hampshire-----	-	-	-	5	-	-	-	4	-	-	-	-
Vermont-----	-	1	11	11	-	1	6	9	-	-	-	-
Massachusetts-----	-	-	34	156	-	-	23	109	-	-	-	-
Rhode Island-----	-	-	103	10	-	-	78	7	-	-	-	-
Connecticut-----	-	1	35	122	-	1	28	84	-	-	-	-
MIDDLE ATLANTIC-----	7	16	485	829	5	12	345	554	2	3	4	-
New York-----	4	14	264	518	3	10	171	321	1	3	3	-
New Jersey-----	-	1	84	137	-	1	61	92	-	-	1	-
Pennsylvania-----	3	1	137	174	2	1	113	141	1	-	-	-
EAST NORTH CENTRAL-----	2	28	556	1,282	1	17	339	584	1	9	6	-
Ohio-----	-	6	127	279	-	2	65	123	-	2	-	-
Indiana-----	1	1	143	152	1	-	103	108	-	1	-	-
Illinois-----	1	21	151	334	-	15	103	177	1	6	4	-
Michigan-----	-	-	94	457	-	-	55	142	-	-	2	-
Wisconsin-----	-	-	41	60	-	-	13	34	-	-	-	-
WEST NORTH CENTRAL-----	3	2	178	1,538	2	1	104	851	1	-	2	6
Minnesota-----	-	-	55	247	-	-	45	201	-	-	2	1
Iowa-----	1	1	23	438	-	-	4	233	1	-	-	4
Missouri-----	-	1	44	505	-	1	32	275	-	-	-	-
North Dakota-----	2	-	16	16	2	-	7	9	-	-	-	1
South Dakota-----	-	-	5	14	-	-	1	1	-	-	-	-
Nebraska-----	-	-	16	136	-	-	9	69	-	-	-	-
Kansas-----	-	-	19	182	-	-	6	63	-	-	-	-
SOUTH ATLANTIC ² -----	6	8	596	1,283	4	6	464	1,020	-	2	2	-
Delaware-----	-	-	-	9	-	-	-	7	-	-	-	-
Maryland-----	-	-	153	44	-	-	138	41	-	-	-	-
District of Columbia-----	-	-	5	6	-	-	5	5	-	-	-	-
Virginia-----	-	1	55	286	-	-	51	246	-	1	2	-
West Virginia-----	-	2	62	195	-	2	51	163	-	-	-	-
North Carolina-----	1	4	96	288	1	3	62	246	-	1	-	-
South Carolina-----	-	-	² 129	90	-	-	² 87	49	-	-	-	-
Georgia-----	2	1	26	170	2	1	24	131	-	-	-	-
Florida-----	3	-	70	195	1	-	46	132	-	-	-	-
EAST SOUTH CENTRAL-----	5	9	261	876	1	8	111	667	-	1	4	2
Kentucky-----	4	1	138	113	-	1	5	87	-	-	1	1
Tennessee-----	1	4	55	389	1	4	38	294	-	-	1	1
Alabama-----	-	2	23	251	-	1	23	212	-	1	-	-
Mississippi-----	-	2	45	123	-	2	45	74	-	-	2	-
WEST SOUTH CENTRAL-----	3	6	290	1,133	3	3	187	745	-	3	2	-
Arkansas-----	-	2	34	304	-	-	25	230	-	2	-	-
Louisiana-----	-	1	50	142	-	1	31	103	-	-	-	-
Oklahoma-----	-	1	17	158	-	1	12	90	-	-	1	-
Texas-----	3	2	189	529	3	1	119	322	-	1	1	-
MOUNTAIN-----	2	1	101	201	-	1	51	113	-	-	-	1
Montana-----	-	-	24	13	-	-	17	5	-	-	-	1
Idaho-----	1	-	11	8	-	-	1	-	-	-	-	-
Wyoming-----	1	-	22	2	-	-	1	1	-	-	-	-
Colorado-----	-	-	21	26	-	-	19	18	-	-	-	-
New Mexico-----	-	-	7	44	-	-	4	27	-	-	-	-
Arizona-----	-	1	9	89	-	1	7	54	-	-	-	-
Utah-----	-	-	7	12	-	-	2	4	-	-	-	-
Nevada-----	-	-	-	7	-	-	-	4	-	-	-	-
PACIFIC-----	5	20	504	908	3	17	433	783	2	3	9	-
Washington-----	-	2	39	210	-	2	39	210	-	-	1	-
Oregon-----	-	6	36	185	-	5	19	146	-	1	-	-
California-----	5	11	419	484	3	9	365	412	2	2	8	-
Alaska-----	-	1	2	29	-	1	2	15	-	-	-	-
Hawaii-----	-	-	8	(5)	-	-	8	(5)	-	-	-	-
Puerto Rico-----	-	-	497	8	-	-	491	7	-	-	-	-

¹Includes cases not specified by type, category number 080.3.

²Data exclude report from South Carolina for the current week.

4 **Morbidity and Mortality Weekly Report**

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED DECEMBER 19, 1959, AND DECEMBER 17, 1960—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	
	50th week		Cumulative, first 50 weeks		082		50th week		Cumulative, first 50 weeks		085	
	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959
UNITED STATES ² -----	47	49	827	903	27	27	1,181	699	39,126	22,301	4,079	4,318
NEW ENGLAND-----	1	-	13	5	-	-	26	25	1,115	744	509	231
Maine-----	1	-	3	-	-	-	4	1	81	91	12	10
New Hampshire-----	-	-	-	-	-	-	-	-	34	15	231	-
Vermont-----	-	-	-	-	-	-	1	-	28	27	26	5
Massachusetts-----	-	-	9	5	-	-	13	16	532	389	192	190
Rhode Island-----	-	-	1	-	-	-	2	3	206	75	16	-
Connecticut-----	-	-	-	-	-	-	6	5	234	147	32	26
MIDDLE ATLANTIC-----	-	2	17	51	10	6	132	84	4,826	3,287	1,040	344
New York-----	-	-	5	25	5	1	68	48	2,597	1,976	512	290
New Jersey-----	-	-	2	10	3	-	10	2	343	324	102	26
Pennsylvania-----	-	2	10	16	2	5	54	34	1,886	987	426	28
EAST NORTH CENTRAL-----	1	-	42	32	5	4	229	115	7,119	3,426	1,079	1,077
Ohio-----	-	-	16	11	2	1	84	35	2,484	998	316	180
Indiana-----	1	-	8	5	-	-	40	11	837	329	95	56
Illinois-----	-	-	6	10	-	2	42	16	1,538	771	95	438
Michigan-----	-	-	10	4	2	1	61	36	2,026	1,100	180	171
Wisconsin-----	-	-	2	2	1	-	2	17	234	228	393	232
WEST NORTH CENTRAL-----	2	5	65	68	3	1	71	128	2,721	1,774	126	146
Minnesota-----	2	1	38	23	1	-	23	1	506	405	10	64
Iowa-----	-	-	8	3	-	1	18	20	435	163	-	15
Missouri-----	-	-	2	8	1	-	12	7	898	426	43	2
North Dakota-----	-	-	3	2	-	-	3	88	181	451	72	65
South Dakota-----	-	1	10	4	-	-	1	1	155	75	1	-
Nebraska-----	-	-	2	20	1	-	5	4	276	85	-	-
Kansas-----	-	3	2	8	-	-	9	7	270	169	(*)	(*)
SOUTH ATLANTIC ² -----	5	12	232	285	2	1	119	43	4,454	1,981	357	145
Delaware-----	-	-	-	-	-	-	1	2	263	136	36	7
Maryland-----	-	-	1	8	1	1	13	6	453	394	16	21
District of Columbia-----	-	-	-	-	-	-	2	1	62	20	3	3
Virginia-----	-	-	40	14	-	-	12	7	775	491	109	74
West Virginia-----	-	-	4	3	-	-	22	6	857	312	103	15
North Carolina-----	1	1	19	25	1	-	35	6	458	124	42	11
South Carolina-----	-	1	² 50	31	-	-	-	3	² 160	54	-	6
Georgia-----	-	10	45	119	-	-	9	12	282	140	3	8
Florida-----	4	-	73	85	-	-	25	-	1,144	310	45	-
EAST SOUTH CENTRAL-----	9	5	136	117	-	3	196	78	5,688	2,331	255	655
Kentucky-----	7	-	55	9	-	2	50	53	1,983	1,213	140	409
Tennessee-----	-	-	9	10	-	-	104	12	1,957	497	111	232
Alabama-----	1	4	38	53	-	-	30	11	1,215	470	4	5
Mississippi-----	1	1	34	45	-	1	12	2	533	151	-	9
WEST SOUTH CENTRAL-----	29	24	284	309	1	5	101	39	2,951	1,761	119	672
Arkansas-----	-	1	16	39	-	2	18	-	245	81	1	-
Louisiana-----	4	8	80	96	-	-	10	2	189	117	1	-
Oklahoma-----	-	10	25	19	-	2	10	17	332	274	5	-
Texas-----	25	5	163	155	1	1	63	20	2,185	1,289	112	672
MOUNTAIN-----	-	-	36	20	2	-	96	84	3,060	2,894	189	541
Montana-----	-	-	3	-	-	-	4	10	179	273	10	63
Idaho-----	-	-	11	-	1	-	8	11	326	365	20	93
Wyoming-----	-	-	5	-	-	-	2	-	38	60	31	1
Colorado-----	-	-	3	8	-	-	39	7	1,118	830	65	15
New Mexico-----	-	-	4	8	-	-	3	15	338	536	-	230
Arizona-----	-	-	3	2	1	-	24	28	642	580	55	34
Utah-----	-	-	7	-	-	-	14	12	293	224	8	105
Nevada-----	-	-	-	2	-	-	2	1	126	26	-	-
PACIFIC-----	-	1	2	16	4	7	211	103	7,192	4,103	405	507
Washington-----	-	-	-	-	-	-	40	6	973	545	87	188
Oregon-----	-	1	-	5	-	-	23	23	1,108	877	117	141
California-----	-	-	1	6	4	7	140	72	4,776	2,608	201	152
Alaska-----	-	-	1	5	-	-	7	2	249	73	-	26
Hawaii-----	-	-	-	(2)	-	-	1	(4)	86	(51)	-	(230)
Puerto Rico-----	1	-	137	45	-	-	16	8	743	374	44	21

²Data exclude report from South Carolina for the current week.

Morbidity and Mortality Weekly Report

5

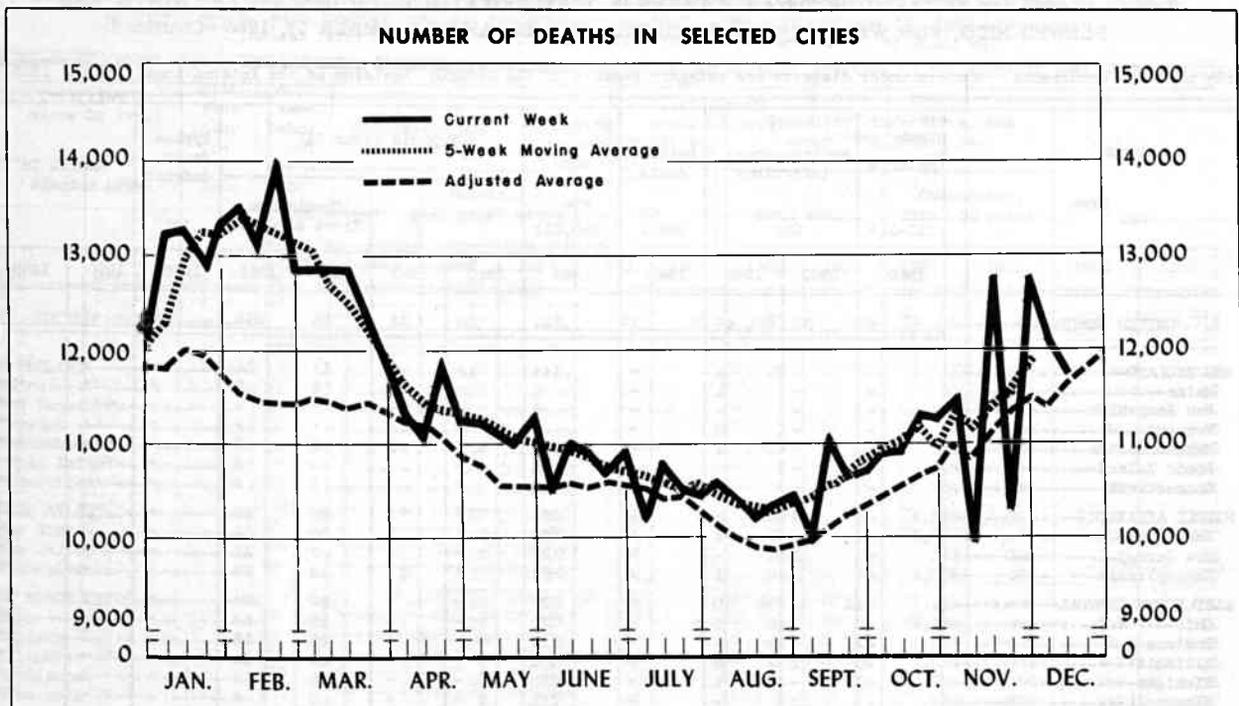
Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED DECEMBER 19, 1959, AND DECEMBER 17, 1960—Continued

(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	50th week		Cumulative, first 50 weeks	101	1960	1959
	1960	1960	1959	1960	1960	1960	1959	1960	1959	1960	1960	1959
UNITED STATES ² -----	-	33	46	1	7,644	10	15	780	848	-	44	79
NEW ENGLAND-----	-	-	4	-	244	-	1	11	16	-	-	-
Maine-----	-	-	1	-	5	-	-	2	2	-	-	-
New Hampshire-----	-	-	-	-	4	-	-	-	-	-	-	-
Vermont-----	-	-	2	-	5	-	-	-	-	-	-	-
Massachusetts-----	-	-	1	-	120	-	1	5	6	-	-	-
Rhode Island-----	-	-	-	-	21	-	-	-	3	-	-	-
Connecticut-----	-	-	-	-	89	-	-	4	5	-	-	-
MIDDLE ATLANTIC-----	-	9	2	-	181	2	1	60	88	-	2	12
New York-----	-	3	1	-	90	1	1	35	38	-	2	10
New Jersey-----	-	1	-	-	27	-	-	7	13	-	-	-
Pennsylvania-----	-	5	1	-	64	1	-	18	37	-	-	2
EAST NORTH CENTRAL-----	-	4	10	-	770	-	-	99	104	-	2	11
Ohio-----	-	1	3	-	170	-	-	29	52	-	-	8
Indiana-----	-	-	-	-	116	-	-	25	16	-	1	1
Illinois-----	-	2	5	-	101	-	-	21	21	-	-	2
Michigan-----	-	-	2	-	265	-	-	16	9	-	1	-
Wisconsin-----	-	1	-	-	118	-	-	8	6	-	-	-
WEST NORTH CENTRAL-----	-	2	1	-	315	-	4	48	53	-	11	11
Minnesota-----	-	-	1	-	15	-	2	1	4	-	3	5
Iowa-----	-	-	-	-	25	-	-	11	9	-	6	5
Missouri-----	-	1	-	-	4	-	1	26	19	-	-	1
North Dakota-----	-	-	-	-	95	-	-	1	5	-	-	-
South Dakota-----	-	-	-	-	5	-	-	4	3	-	1	-
Nebraska-----	-	-	-	-	-	-	-	3	5	-	-	-
Kansas-----	-	1	-	-	171	-	1	2	8	-	1	-
SOUTH ATLANTIC ² -----	-	3	11	-	486	-	2	117	144	-	8	6
Delaware-----	-	-	-	-	4	-	-	1	3	-	-	-
Maryland-----	-	1	-	-	12	-	-	6	5	-	-	-
District of Columbia-----	-	-	-	-	2	-	-	10	4	-	-	-
Virginia-----	-	-	2	-	98	-	-	24	30	-	3	-
West Virginia-----	-	-	-	-	194	-	-	14	15	-	5	5
North Carolina-----	-	-	1	-	27	-	-	9	15	-	-	-
South Carolina-----	-	-	-	-	-	-	1	212	13	-	-	-
Georgia-----	-	-	8	-	-	-	1	27	31	-	-	1
Florida-----	-	2	-	-	149	-	-	14	28	-	-	-
EAST SOUTH CENTRAL-----	-	3	6	-	1,518	2	5	122	127	-	5	8
Kentucky-----	-	-	3	-	460	-	3	32	30	-	1	2
Tennessee-----	-	1	2	-	1,009	1	1	57	59	-	4	6
Alabama-----	-	2	1	-	38	1	-	25	21	-	-	-
Mississippi-----	-	-	-	-	11	-	1	8	17	-	-	-
WEST SOUTH CENTRAL-----	-	2	5	-	1,058	3	2	204	182	-	12	28
Arkansas-----	-	1	-	-	-	3	-	51	37	-	1	16
Louisiana-----	-	-	3	-	9	-	1	59	31	-	3	-
Oklahoma-----	-	-	-	-	28	-	-	12	17	-	-	-
Texas-----	-	1	2	-	1,021	-	1	82	97	-	8	12
MOUNTAIN-----	-	2	1	-	1,644	1	-	45	46	-	1	2
Montana-----	-	-	-	-	111	-	-	13	2	-	-	-
Idaho-----	-	-	-	-	108	-	-	3	7	-	-	-
Wyoming-----	-	-	-	-	79	-	-	4	7	-	-	-
Colorado-----	-	-	-	-	551	-	-	1	4	-	-	1
New Mexico-----	-	-	-	-	289	1	-	13	19	-	1	1
Arizona-----	-	1	1	-	180	-	-	9	6	-	-	-
Utah-----	-	1	-	-	321	-	-	2	1	-	-	-
Nevada-----	-	-	-	-	5	-	-	-	-	-	-	-
PACIFIC-----	-	8	6	1	1,428	2	-	74	88	-	3	1
Washington-----	-	1	-	-	372	-	-	5	3	-	-	-
Oregon-----	-	-	-	1	43	-	-	8	7	-	-	-
California-----	-	6	4	-	998	2	-	60	74	-	3	1
Alaska-----	-	-	2	-	13	-	-	1	4	-	-	-
Hawaii-----	-	1	-	-	2	-	-	-	(2)	-	-	-
Puerto Rico-----	-	1	-	-	6	5	-	25	18	-	-	2

²Data exclude report from South Carolina for the current week.

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. The adjusted average is computed as follows: From the total deaths reported each week for the years 1955-59, 3 central figures are selected by eliminating the highest and lowest figures reported for that week. A 5-week moving average of the arithmetic means of the 3 central figures is then computed. The adjusted average shown in the chart is this moving average increased by 4.0 percent to allow for estimated population growth in the cities and surrounding areas.

The use of the adjusted average is based on the assumption that the crude death rate and changes in population will remain at the level of recent years. No allowance has been made for increased use of city hospital facilities.

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	50th week ended Dec. 17, 1960	49th week ended Dec. 10, 1960	Adjusted average, 50th week 1955-59	Percent change, adjusted average to current week ¹	Cumulative, first 50 weeks		
					1960	1959	Percent change
TOTAL, 117 REPORTING CITIES-----	² 11,777	12,039	11,602	+1.5	² 574,736	561,066	+2.4
New England----- (14 cities)	767	756	773	-0.8	36,193	35,176	+2.9
Middle Atlantic----- (20 cities)	² 3,274	3,363	3,403	-3.8	² 159,809	159,892	-0.1
East North Central----- (21 cities)	2,513	2,545	2,631	-4.5	124,374	121,939	+2.0
West North Central----- (9 cities)	805	785	839	-4.1	39,869	38,796	+2.8
South Atlantic----- (11 cities)	988	987	1,018	-2.9	49,199	48,009	+2.5
East South Central----- (8 cities)	532	572	522	+1.9	26,030	25,582	+1.8
West South Central----- (13 cities)	1,041	1,078	998	+4.3	49,936	47,094	+6.0
Mountain----- (8 cities)	377	353	309	+22.0	18,074	15,572	+16.1
Pacific----- (13 cities)	² 1,480	1,600	1,496	-1.1	² 71,252	69,006	+3.3

¹Adjusted average used as base.

²Includes estimates for missing cities.

Morbidity and Mortality Weekly Report

Table 4. DEATHS IN SELECTED CITIES

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

Area	50th week ended Dec. 17, 1960	49th week ended Dec. 10, 1960	Cumulative, first 50 weeks		Area	50th week ended Dec. 17, 1960	49th week ended Dec. 10, 1960	Cumulative, first 50 weeks	
			1960	1959				1960	1959
NEW ENGLAND:					WEST NORTH CENTRAL—Con.:				
Boston, Mass.-----	254	244	12,537	12,000	St. Louis, Mo.-----	232	250	12,156	11,834
Bridgeport, Conn.-----	34	43	2,033	1,925	St. Paul, Minn.-----	75	60	3,448	3,258
Cambridge, Mass.-----	25	30	1,520	1,437	Wichita, Kans.-----	61	44	2,333	2,351
Fall River, Mass.-----	42	25	1,424	1,401	SOUTH ATLANTIC:				
Hartford, Conn.-----	62	72	2,497	2,447	Atlanta, Ga.-----	113	125	5,868	5,590
Lowell, Mass.-----	22	26	1,182	1,184	Baltimore, Md.-----	254	271	12,557	12,057
Lynn, Mass.-----	30	20	1,222	1,146	Charlotte, N.C.-----	26	38	1,918	1,849
New Bedford, Mass.-----	36	33	1,267	1,212	Jacksonville, Fla.-----	68	59	2,952	2,891
New Haven, Conn.-----	46	51	2,239	2,242	Miami, Fla.-----	80	57	3,556	3,496
Providence, R.I.-----	82	69	3,229	3,218	Norfolk, Va.-----	41	26	1,983	1,957
Somerville, Mass.-----	14	9	666	657	Richmond, Va.-----	70	81	3,879	3,903
Springfield, Mass.-----	41	47	2,248	2,200	Savannah, Ga.-----	27	28	1,668	1,646
Waterbury, Conn.-----	24	31	1,391	1,361	St. Petersburg, Fla.-----	(69)	(96)	(3,538)	(3,244)
Worcester, Mass.-----	55	56	2,738	2,726	Tampa, Fla.-----	85	57	3,254	3,078
MIDDLE ATLANTIC:					Washington, D.C.-----	182	202	9,634	9,679
Albany, N.Y.-----	20	27	2,153	2,493	Wilmington, Del.-----	42	43	1,930	1,863
Allentown, Pa.-----	34	35	1,748	1,708	EAST SOUTH CENTRAL:				
Buffalo, N.Y.-----	138	160	7,212	7,243	Birmingham, Ala.-----	93	112	4,266	4,168
Camden, N.J.-----	56	35	2,112	2,047	Chattanooga, Tenn.-----	38	57	2,357	2,296
Elizabeth, N.J.-----	29	25	1,454	1,477	Knoxville, Tenn.-----	31	28	1,401	1,409
Erie, Pa.-----	40	46	1,942	1,823	Louisville, Ky.-----	113	94	5,659	5,612
Jersey City, N.J.-----	172	42	23,496	3,605	Memphis, Tenn.-----	115	137	5,584	5,648
Newark, N.J.-----	72	93	4,826	4,979	Mobile, Ala.-----	41	51	2,071	1,937
New York City, N.Y.-----	1,768	1,717	81,708	81,928	Montgomery, Ala.-----	33	34	1,712	1,626
Paterson, N.J.-----	49	56	1,952	1,906	Nashville, Tenn.-----	68	59	2,980	2,886
Philadelphia, Pa.-----	488	474	24,189	24,266	WEST SOUTH CENTRAL:				
Pittsburgh, Pa.-----	180	269	9,648	9,192	Austin, Tex.-----	36	33	1,675	1,613
Reading, Pa.-----	15	28	1,179	1,098	Baton Rouge, La.-----	28	29	1,434	1,383
Rochester, N.Y.-----	103	110	5,044	4,845	Corpus Christi, Tex.-----	27	23	1,153	1,014
Schenectady, N.Y.-----	22	31	1,173	1,241	Dallas, Tex.-----	125	150	6,224	5,924
Scranton, Pa.-----	137	54	21,915	1,819	El Paso, Tex.-----	33	46	1,886	1,815
Syracuse, N.Y.-----	62	65	3,125	3,128	Fort Worth, Tex.-----	83	76	3,326	3,167
Trenton, N.J.-----	25	33	2,022	2,137	Houston, Tex.-----	159	135	8,296	7,792
Utica, N.Y.-----	22	35	1,351	1,406	Little Rock, Ark.-----	78	69	2,867	2,660
Yonkers, N.Y.-----	42	28	1,560	1,551	New Orleans, La.-----	184	183	8,926	8,504
EAST NORTH CENTRAL:					Oklahoma City, Okla.-----	78	87	3,759	3,524
Akron, Ohio-----	57	67	2,833	2,917	San Antonio, Tex.-----	113	117	5,001	4,748
Canton, Ohio-----	48	33	1,740	1,674	Shreveport, La.-----	50	45	2,671	2,486
Chicago, Ill.-----	724	782	38,306	37,696	Tulsa, Okla.-----	47	85	2,718	2,464
Cincinnati, Ohio-----	172	149	7,853	7,827	MOUNTAIN:				
Cleveland, Ohio-----	211	186	10,525	10,394	Albuquerque, N. Mex.-----	22	32	1,599	1,489
Columbus, Ohio-----	125	121	5,925	5,866	Colorado Springs, Colo.-----	14	18	832	779
Dayton, Ohio-----	95	99	3,825	3,422	Denver, Colo.-----	148	104	5,979	5,731
Detroit, Mich.-----	298	353	16,724	16,344	Ogden, Utah-----	15	12	818	740
Evansville, Ind.-----	38	34	1,859	1,837	Phoenix, Ariz.-----	75	82	3,817	2,545
Flint, Mich.-----	43	41	2,013	1,996	Pueblo, Colo.-----	13	15	807	691
Fort Wayne, Ind.-----	29	39	1,824	1,840	Salt Lake City, Utah-----	58	48	2,432	2,429
Gary, Ind.-----	25	32	1,541	1,470	Tucson, Ariz.-----	32	42	1,790	1,168
Grand Rapids, Mich.-----	42	38	2,059	2,080	PACIFIC:				
Indianapolis, Ind.-----	162	159	7,263	6,833	Berkeley, Calif.-----	22	22	853	852
Madison, Wis.-----	39	41	1,634	1,525	Fresno, Calif.-----	(56)	(75)	(2,237)	(1,988)
Milwaukee, Wis.-----	149	123	6,274	6,411	Glendale, Calif.-----	(30)	(42)	(1,844)	(1,803)
Peoria, Ill.-----	33	37	1,515	1,472	Honolulu, Hawaii-----	37	49	2,063	1,906
Rockford, Ill.-----	28	28	1,437	1,349	Long Beach, Calif.-----	58	64	2,753	2,713
South Bend, Ind.-----	31	33	1,472	1,374	Los Angeles, Calif.-----	516	526	24,958	24,069
Toledo, Ohio-----	103	92	4,984	4,945	Oakland, Calif.-----	116	116	4,806	4,544
Youngstown, Ohio-----	61	58	2,768	2,667	Pasadena, Calif.-----	30	32	1,726	1,576
WEST NORTH CENTRAL:					Portland, Oreg.-----	92	148	5,493	5,422
Des Moines, Iowa-----	44	68	2,747	2,651	Sacramento, Calif.-----	62	71	2,934	2,789
Duluth, Minn.-----	28	22	1,269	1,276	San Diego, Calif.-----	98	97	4,542	4,090
Kansas City, Kans.-----	49	35	1,773	1,772	San Francisco, Calif.-----	221	222	9,886	9,718
Kansas City, Mo.-----	136	134	6,271	6,003	San Jose, Calif.-----	(47)	(24)	(1,742)	(1,285)
Lincoln, Nebr.-----	(22)	(17)	(1,283)	(13,131)	Seattle, Wash.-----	144	161	6,814	6,844
Minneapolis, Minn.-----	113	108	6,218	6,099	Spokane, Wash.-----	36	47	2,381	2,469
Omaha, Nebr.-----	67	64	3,654	3,552	Tacoma, Wash.-----	148	45	2,043	2,014

¹Estimated.

²Includes estimate for current week.

EPIDEMIOLOGICAL REPORTS—Continued

food in common among those ill was turkey and gravy. Some of the turkeys had been stuffed the night before the supper and left unrefrigerated. It was learned that the same people have been preparing and serving the same type of supper for a number of years without resultant illness.

The California State Department of Public Health supplied reports of 2 outbreaks of gastroenteritis of unconfirmed etiology. One report stated that 29 of about 155 persons eating a meal in an institution became ill from 4 to 21 hours after the meal. For all cases illness began with stomach cramps which were followed by diarrhea. Most persons also suffered nausea. The suspect foods were fried canned luncheon meat and creamed chicken. No specimens were available for laboratory examination. There was no history of illness among the foodhandlers. The other report stated that 22 persons became ill from 4 to 5 hours after eating a dinner attended by 29 persons. The meal was served in a social club. Symptoms consisted of vomiting, diarrhea, and cramps or abdominal pain. The suspect foods were prawns and barbecued beef. Laboratory examination of samples of the beef gave negative results; no prawns were available for examination. Staphylococci were isolated from an infected burn on the arm of one foodhandler and streptococci from the hands of another.

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 Alaska for 1959 and 1960; data for Hawaii are included for 1960 only. 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.

EXPLANATION OF SYMBOLS USED IN TABLES	
Data not available-----	---
Quantity zero-----	-
Percent more than 0 but less than 0.05-----	0.0
Disease stated not notifiable-----	*
Figures within parentheses not included in totals--	()

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