

# 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 3, 1960

A total of 1,110 cases of infectious and serum hepatitis was reported for the week ended December 3. This is the largest weekly figure this year. The revised total for the previous week was 889 cases. The figure for the current week probably includes delayed reports of cases for the week ended November 26, which included the Thanksgiving holiday.

Thirty-five cases of diphtheria were reported for the current week. Georgia and Louisiana each reported 7 cases, and Kentucky reported 5 cases.

Territory reporting an extensive epidemic of influenza-like illness which was accompanied by neurological changes. Samples of blood were also sent to the Virus Laboratory of the Hawaii Department of Health from Truk, Ponape, and Majuro. These samples were all from convalescent patients, and it was stated that, while interpretation of results from single specimens was difficult or not significant, they showed fairly high titers against the group A influenza viruses. The date of the epidemic was not stated.

### EPIDEMIOLOGICAL REPORTS

#### Influenza

A circular letter issued by the Hawaii Department of Health states that a radiogram was received from the Trust

#### Human rabies

Dr. G. E. McDaniel, South Carolina State Board of Health, supplied an inadvertently delayed report of a human rabies death occurring in December 1959. The case was brought

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Table 1. Cases of Specified Notifiable Diseases, United States

(Cumulative totals include revised and delayed reports)

Disease (Seventh Revision of International Lists, 1955)	48th week			Cumulative						Approximate seasonal low point
	Ended Dec. 3, 1960	Ended Dec. 5, 1959	Median 1955-59	First 48 weeks			Since seasonal low week			
				1960	1959	Median 1955-59	1959-60	1958-59	Median 1954-55 to 1958-59	
Anthrax-----062	-	-	-	17	12	18	(1)	(1)	(1)	(1)
Botulism-----049.1	-	-	-	10	21	11	(1)	(1)	(1)	(1)
Brucellosis (undulant fever)-----044	7	16	16	704	681	858	(1)	(1)	(1)	(1)
Diphtheria-----055	35	20	41	754	827	1,064	425	430	618	July 1
Encephalitis, infectious-----082	28	42	42	1,763	2,058	2,058	1,150	1,480	1,480	June 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	1,110	639	346	36,786	21,076	17,639	11,283	5,953	4,128	Sept. 1
Malaria-----110-117	3	2	1	70	69	143	(1)	(1)	(1)	(1)
Measles-----085	3,582	3,619	3,619	419,201	384,575	534,353	19,443	21,260	21,260	Sept. 1
Meningitis, aseptic-----340 pt.	43	---	---	2,852	---	---	---	---	---	---
Meningococcal infections-----057	48	37	51	2,029	2,069	2,421	494	502	671	Sept. 1
Poliomyelitis-----080	54	109	109	3,124	8,238	8,238	2,097	7,945	7,945	Apr. 1
Paralytic-----080.0,080.1	43	81	81	2,167	5,463	5,463	2,014	5,255	5,255	Apr. 1
Nonparalytic-----080.2	5	21	21	631	2,104	2,764	594	2,056	2,608	Apr. 1
Unspecified-----080.3	6	7	18	326	671	915	299	634	831	Apr. 1
Psittacosis-----096.2	3	4	4	93	109	233	(1)	(1)	(1)	(1)
Rabies in man-----094	-	-	-	2	4	5	(1)	(1)	(1)	(1)
Streptococcal sore throat, including scarlet fever-----050,051	6,586	---	---	282,753	---	---	---	---	---	---
Typhoid fever-----040	11	21	21	764	818	1,240	637	691	996	Apr. 1
Typhus fever, endemic-----101	2	-	2	62	45	98	57	39	82	Apr. 1
Rabies in animals-----	46	87	81	3,149	3,612	4,224	378	666	666	Oct. 1

<sup>1</sup>Data show no pronounced seasonal change in incidence.

EPIDEMIOLOGICAL REPORTS—Continued

to the attention of public health authorities in February by a pathologist at a medical college. The brain had been sent to the college for examination for rabies, but it was sent without a complete history and was preserved in formaldehyde. The victim, a 65-year-old Negro male, was bitten on the cheek by a stray female dog on November 21. He applied kerosene to the wound and then consulted a physician the next day. The physician suggested rabies vaccine treatments. The people for whom the victim worked also suggested treatment, but he insisted that the dog probably had puppies in the woods, and that it bit him only because he had struck at it with a stick. On December 11 or 12 he complained of headache and upset stomach. While in the hospital he became incoherent at times and had pharyngospasms when he tried to drink water. He died on December 14. Examination of the brain tissue revealed atypical acid staining bodies not identifiable as Negri bodies but interpreted as being Negri bodies in light of the clinical history.

This case should be included in 1959 figures, making a total of 7 deaths from rabies reported in 1959. The other 6 deaths occurred in Alabama, California, Georgia, Indiana, Missouri, and Wisconsin.

Diarrhea and dysentery

The Mississippi Morbidity Report for the week ended November 25 states that surveillance data obtained during 1959 and 1960 indicate a general increase in the occurrence of diarrhea and dysentery. Field studies in one area support the data. Most of the reported cases are laboratory confirmed and represent "typical cases" selected for the laboratory definition of etiology, or single cases with severe syndromes. All findings indicate the increase to be statewide, and in the area studied the increase extended into the "trade area" of an adjacent State. Although all the usual etiologic agents have been found, most isolates are of the Salmonella or Shigella species. The Salmonella species are predominantly of the groups B, C, and D. The number of isolations

of S. typhi this year is more than double the number in 1959. The Shigella species have been almost entirely S. flexneri until recent weeks when S. sonnei has reappeared to equal or exceed the number of isolations of S. flexneri.

The North Carolina communicable disease report for the week ended November 26 states that an increasing number of clinical diagnoses of shigellosis are being confirmed by appropriate laboratory studies.

Diphtheria

The Texas Morbidity this Week for the week ended November 26 contained information as to the age and vaccination status of 104 cases of diphtheria reported this year and for which data are available. This information is summarized below:

Age	Total cases	Vaccination status		
		None	Incomplete or lapsed	Complete
All ages-----	104	80	16	8
Under 5 years-----	35	30	3	2
5-9 years-----	35	26	7	2
10-14 years-----	13	7	4	2
15-19 years-----	6	3	2	1
20-24 years-----	4	3	-	1
25 years and over----	11	11	-	-

Eight deaths were reported. Six of the victims were children under 5 years of age, and 2 were in the age group 5 to 9 years. None of these individuals had a history of vaccination.

QUARANTINE MEASURES

Immunization Information for International Travel  
No changes reported

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**Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED DECEMBER 5, 1959, AND DECEMBER 3, 1960**

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

Area	Polio-myelitis 080										Meningitis, aseptic	Brucellosis (undulant fever)
	Total <sup>1</sup>				Paralytic 080.0,080.1				Nonparalytic			
	48th week		Cumulative, first 48 weeks		48th week		Cumulative, first 48 weeks		080.2			
	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959	1960	1960
	UNITED STATES-----	54	109	3,124	8,238	43	81	2,167	5,463	5	21	43
NEW ENGLAND-----	4	3	230	385	4	3	182	295	-	-	2	-
Maine-----	1	1	48	84	1	1	47	84	-	-	1	-
New Hampshire-----	-	-	-	5	-	-	-	4	-	-	-	-
Vermont-----	-	1	11	10	-	1	6	8	-	-	-	-
Massachusetts-----	3	1	34	155	3	1	23	109	-	-	-	-
Rhode Island-----	-	-	102	10	-	-	78	7	-	-	1	-
Connecticut-----	-	-	35	121	-	-	-	28	-	-	-	-
MIDDLE ATLANTIC-----	11	18	469	801	7	13	334	532	3	3	4	-
New York-----	6	10	254	496	4	6	165	305	1	2	3	-
New Jersey-----	1	1	83	135	-	1	60	90	1	-	-	-
Pennsylvania-----	4	7	132	170	3	6	109	137	1	1	1	-
EAST NORTH CENTRAL-----	12	17	536	1,240	8	12	325	558	-	5	7	2
Ohio-----	5	-	126	270	2	-	65	120	-	-	1	-
Indiana-----	2	-	134	149	1	-	94	108	-	-	1	-
Illinois-----	4	6	147	311	4	4	100	160	-	2	4	2
Michigan-----	-	8	93	454	-	6	54	140	-	2	-	-
Wisconsin-----	1	3	36	56	1	2	12	30	-	1	1	-
WEST NORTH CENTRAL-----	-	14	174	1,527	-	9	101	845	-	3	5	5
Minnesota-----	-	4	54	246	-	4	44	200	-	-	5	1
Iowa-----	-	-	22	432	-	-	4	230	-	-	-	3
Missouri-----	-	10	44	502	-	5	32	273	-	3	-	-
North Dakota-----	-	-	14	16	-	-	5	9	-	-	-	-
South Dakota-----	-	-	5	14	-	-	1	1	-	-	-	-
Nebraska-----	-	-	16	135	-	-	9	69	-	-	-	1
Kansas-----	-	-	19	182	-	-	6	63	-	-	-	-
SOUTH ATLANTIC-----	10	18	585	1,253	10	12	455	996	-	5	2	-
Delaware-----	-	-	-	9	-	-	-	7	-	-	-	-
Maryland-----	1	2	151	42	1	1	136	40	-	1	-	-
District of Columbia-----	-	-	5	6	-	-	5	5	-	-	-	-
Virginia-----	5	1	52	283	5	1	48	244	-	-	-	-
West Virginia-----	3	2	62	189	3	2	51	157	-	-	-	-
North Carolina-----	1	1	95	278	1	-	61	237	-	1	-	-
South Carolina-----	-	7	129	90	-	4	87	49	-	3	-	-
Georgia-----	-	-	24	163	-	-	22	125	-	-	-	-
Florida-----	-	5	67	193	-	4	45	132	-	-	2	-
EAST SOUTH CENTRAL-----	3	8	250	853	3	5	108	647	-	3	9	-
Kentucky-----	-	2	130	104	-	-	5	80	-	2	6	-
Tennessee-----	2	3	54	382	2	2	37	287	-	1	1	-
Alabama-----	-	3	23	249	-	3	23	211	-	-	2	-
Mississippi-----	1	-	43	118	1	-	43	69	-	-	-	-
WEST SOUTH CENTRAL-----	4	5	285	1,116	4	4	182	733	-	1	3	-
Arkansas-----	-	4	32	300	-	3	23	229	-	1	-	-
Louisiana-----	1	1	51	138	1	1	32	99	-	-	-	-
Oklahoma-----	-	-	17	154	-	-	12	86	-	-	-	-
Texas-----	3	-	185	524	3	-	115	319	-	-	3	-
MOUNTAIN-----	6	4	99	196	4	2	52	110	1	-	2	-
Montana-----	2	1	23	12	2	-	17	4	-	-	-	-
Idaho-----	-	1	10	8	-	-	1	-	-	-	-	-
Wyoming-----	1	-	21	2	-	-	1	1	-	-	-	-
Colorado-----	2	-	21	26	1	-	19	18	1	-	2	-
New Mexico-----	-	-	8	43	-	-	5	26	-	-	-	-
Arizona-----	1	1	9	86	1	1	7	53	-	-	-	-
Utah-----	-	-	7	12	-	-	2	4	-	-	-	-
Nevada-----	-	1	-	7	-	1	-	4	-	-	-	-
PACIFIC-----	4	22	496	867	3	21	428	747	1	1	9	-
Washington-----	1	1	37	202	1	1	37	202	-	-	2	-
Oregon-----	-	9	36	176	-	9	19	139	-	-	-	-
California-----	3	12	413	461	2	11	362	392	1	1	7	-
Alaska-----	-	-	2	28	-	-	2	14	-	-	-	-
Hawaii-----	-	-	8	(5)	-	-	8	(5)	-	-	-	-
Puerto Rico-----	5	-	497	4	5	-	491	3	-	-	1	-

<sup>1</sup>Includes cases not specified by type, category number 080.3.

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED DECEMBER 5, 1959, AND DECEMBER 3, 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	
	48th week		Cumulative, first 48 weeks		082		48th week		Cumulative, first 48 weeks		085	
	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959
UNITED STATES-----	35	20	754	827	28	42	1,110	639	36,786	21,076	3,582	3,619
NEW ENGLAND-----	-	-	12	5	1	1	29	17	1,067	691	473	245
Maine-----	-	-	2	-	-	-	4	-	74	90	7	52
New Hampshire-----	-	-	-	-	-	-	4	-	34	15	263	-
Vermont-----	-	-	-	-	-	-	2	1	27	27	3	1
Massachusetts-----	-	-	9	5	-	1	10	10	511	350	150	159
Rhode Island-----	-	-	1	-	1	-	4	3	200	71	35	-
Connecticut-----	-	-	-	-	-	-	5	3	221	138	15	33
MIDDLE ATLANTIC-----	-	-	16	49	12	10	149	105	4,557	3,112	1,024	242
New York-----	-	-	4	25	9	7	90	73	2,465	1,870	388	192
New Jersey-----	-	-	2	10	1	1	12	5	332	317	133	24
Pennsylvania-----	-	-	10	14	2	2	47	27	1,760	925	503	26
EAST NORTH CENTRAL-----	-	-	41	31	1	8	216	51	6,654	3,219	604	813
Ohio-----	-	-	16	11	-	1	86	17	2,312	931	184	78
Indiana-----	-	-	7	4	-	4	22	6	758	307	86	45
Illinois-----	-	-	6	10	-	2	45	18	1,432	731	54	382
Michigan-----	-	-	10	4	1	-	59	8	1,927	1,045	92	85
Wisconsin-----	-	-	2	2	-	1	4	2	225	205	188	223
WEST NORTH CENTRAL-----	7	2	63	58	3	-	78	53	2,565	1,620	85	188
Minnesota-----	4	-	36	22	-	-	35	3	461	400	3	29
Iowa-----	-	-	8	3	-	-	11	3	407	142	13	61
Missouri-----	-	2	2	8	1	-	17	12	860	407	9	3
North Dakota-----	1	-	3	2	-	-	4	21	175	355	57	94
South Dakota-----	1	-	10	3	-	-	1	13	146	74	3	-
Nebraska-----	1	-	2	20	2	-	5	1	259	81	-	1
Kansas-----	-	-	2	-	-	-	5	-	257	161	(*)	(*)
SOUTH ATLANTIC-----	8	8	217	268	1	5	95	49	4,210	1,892	500	155
Delaware-----	-	-	-	-	-	-	2	3	258	125	32	7
Maryland-----	-	-	1	8	-	-	13	10	431	383	20	14
District of Columbia-----	-	-	-	-	-	-	2	-	60	19	2	1
Virginia-----	-	1	39	14	-	2	21	18	745	476	298	97
West Virginia-----	-	-	4	3	-	-	22	9	807	301	67	11
North Carolina-----	-	-	14	23	-	1	17	4	398	116	32	11
South Carolina-----	-	-	50	30	-	-	2	-	151	51	34	2
Georgia-----	7	3	41	109	-	-	4	-	261	125	-	-
Florida-----	1	4	68	81	1	2	12	5	1,099	296	15	12
EAST SOUTH CENTRAL-----	9	2	123	106	2	3	236	119	5,300	2,198	250	319
Kentucky-----	5	-	44	9	2	1	73	80	1,845	1,131	170	200
Tennessee-----	-	-	9	9	-	-	95	16	1,798	472	71	111
Alabama-----	4	2	37	46	-	-	47	23	1,147	447	9	4
Mississippi-----	-	-	33	42	-	2	21	-	510	148	-	4
WEST SOUTH CENTRAL-----	10	8	244	276	1	8	64	35	2,794	1,681	180	655
Arkansas-----	-	1	16	38	-	-	17	1	218	81	-	4
Louisiana-----	7	-	70	86	-	-	7	1	173	114	-	1
Oklahoma-----	-	4	25	7	-	-	3	4	321	247	13	2
Texas-----	3	3	133	145	1	8	37	29	2,082	1,239	167	648
MOUNTAIN-----	-	-	36	19	1	-	76	113	2,835	2,747	164	421
Montana-----	-	-	3	-	-	-	7	24	163	261	40	62
Idaho-----	-	-	11	-	-	-	4	11	312	344	20	126
Wyoming-----	-	-	5	-	-	-	2	1	36	56	1	4
Colorado-----	-	-	3	7	-	-	34	30	1,035	821	38	22
New Mexico-----	-	-	4	8	-	-	8	23	310	493	-	68
Arizona-----	-	-	3	2	1	-	3	19	605	543	44	26
Utah-----	-	-	7	-	-	-	15	5	272	207	20	112
Nevada-----	-	-	-	2	-	-	3	-	102	22	1	1
PACIFIC-----	1	-	2	15	6	7	167	97	6,804	3,916	302	581
Washington-----	-	-	-	-	-	-	27	24	902	535	84	213
Oregon-----	-	-	-	4	-	-	21	20	1,062	831	115	133
California-----	1	-	1	6	6	7	108	51	4,524	2,479	103	164
Alaska-----	-	-	1	5	-	-	10	2	235	71	-	71
Hawaii-----	-	-	-	(2)	-	-	1	(1)	81	(47)	-	(261)
Puerto Rico-----	2	4	132	32	-	-	20	2	722	289	24	9

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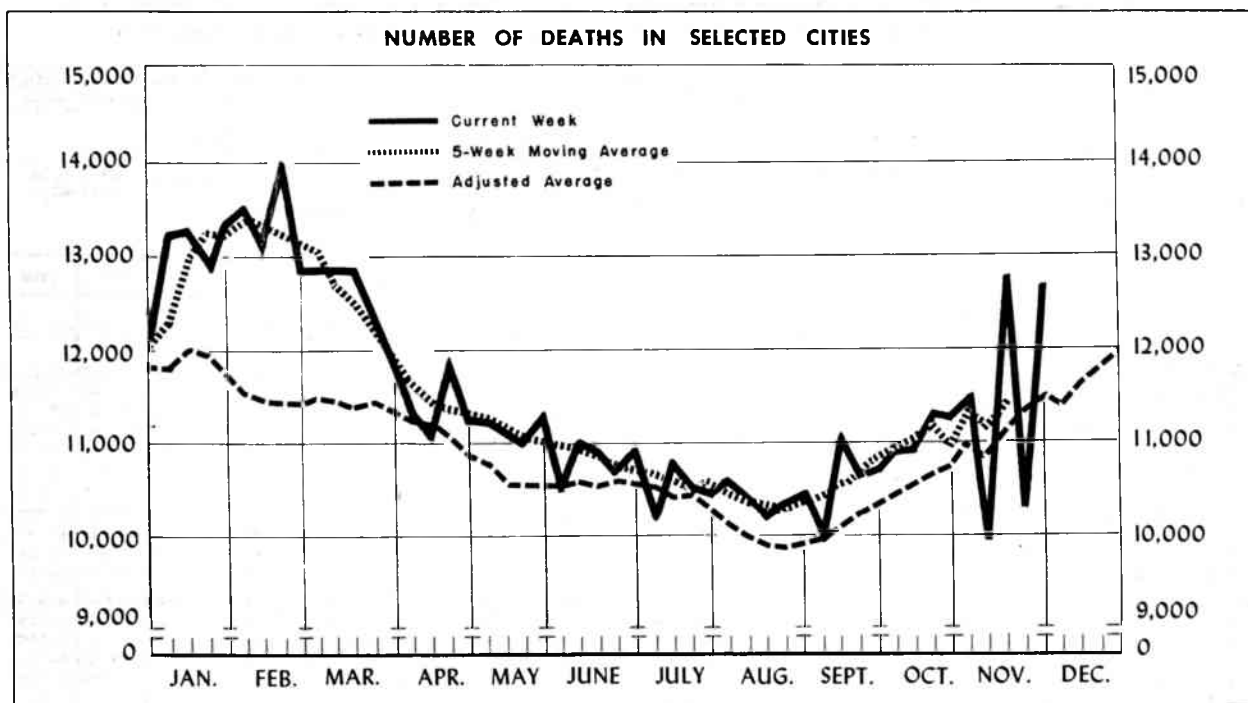
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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED DECEMBER 5, 1959, AND DECEMBER 3, 1960—Continued

(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	48th week		Cumulative, first 48 weeks		101		
	1960	1960	1959	1960	1960	1960	1959	1960	1959	1960	1960	1959
UNITED STATES-----	3	48	37	3	6,586	11	21	764	818	2	46	87
NEW ENGLAND-----	-	3	5	-	294	-	-	11	15	-	-	-
Maine-----	-	-	-	-	15	-	-	2	2	-	-	-
New Hampshire-----	-	-	-	-	15	-	-	-	-	-	-	-
Vermont-----	-	-	1	-	5	-	-	-	-	-	-	-
Massachusetts-----	-	1	4	-	76	-	-	5	5	-	-	-
Rhode Island-----	-	1	-	-	10	-	-	-	3	-	-	-
Connecticut-----	-	1	-	-	173	-	-	4	5	-	-	-
MIDDLE ATLANTIC-----	-	18	7	2	261	4	2	58	85	-	6	7
New York-----	-	13	6	-	134	1	1	34	36	-	6	7
New Jersey-----	-	1	-	-	50	-	-	7	13	-	-	-
Pennsylvania-----	-	4	1	2	77	3	1	17	36	-	-	-
EAST NORTH CENTRAL-----	-	7	6	-	556	-	2	98	104	-	1	2
Ohio-----	-	2	2	-	125	-	1	29	52	-	-	-
Indiana-----	-	-	-	-	91	-	-	24	16	-	-	2
Illinois-----	-	3	-	-	68	-	-	21	21	-	1	-
Michigan-----	-	2	4	-	170	-	1	16	9	-	-	-
Wisconsin-----	-	-	-	-	102	-	-	8	6	-	-	-
WEST NORTH CENTRAL-----	-	1	2	-	136	2	-	48	48	-	8	32
Minnesota-----	-	1	-	-	7	-	-	1	1	-	1	6
Iowa-----	-	-	1	-	28	-	-	11	9	-	3	2
Missouri-----	-	-	1	-	4	2	-	26	18	-	2	12
North Dakota-----	-	-	-	-	88	-	-	1	5	-	-	1
South Dakota-----	-	-	-	-	1	-	-	4	3	-	1	11
Nebraska-----	-	-	-	-	-	-	-	3	5	-	1	-
Kansas-----	-	-	-	-	8	-	-	2	7	-	-	-
SOUTH ATLANTIC-----	1	7	10	-	436	2	7	117	141	-	9	7
Delaware-----	-	-	-	-	3	1	-	1	3	-	-	-
Maryland-----	-	1	-	-	21	-	-	6	5	-	-	-
District of Columbia-----	-	-	4	-	1	1	-	10	4	-	-	-
Virginia-----	-	3	2	-	166	-	1	24	29	-	4	1
West Virginia-----	-	-	1	-	115	-	-	14	15	-	5	4
North Carolina-----	1	3	1	-	30	-	4	9	15	-	-	1
South Carolina-----	-	-	-	-	18	-	-	12	12	-	-	-
Georgia-----	-	-	-	-	-	-	2	27	30	-	-	1
Florida-----	-	-	2	-	82	1	-	14	28	-	-	-
EAST SOUTH CENTRAL-----	-	1	1	-	1,267	2	3	119	117	-	3	3
Kentucky-----	-	1	1	-	139	1	3	32	23	-	-	2
Tennessee-----	-	-	-	-	1,082	1	-	56	57	-	2	1
Alabama-----	-	-	-	-	30	-	-	23	21	-	-	-
Mississippi-----	-	-	-	-	16	-	-	8	16	-	1	-
WEST SOUTH CENTRAL-----	-	4	2	-	834	1	3	199	178	-	16	35
Arkansas-----	-	1	1	-	-	-	1	48	37	-	1	17
Louisiana-----	-	1	-	-	11	-	1	59	30	-	2	1
Oklahoma-----	-	-	-	-	27	-	-	12	17	-	-	-
Texas-----	-	2	1	-	796	1	1	80	94	-	13	17
MOUNTAIN-----	1	4	-	-	1,723	-	-	44	44	-	1	-
Montana-----	-	1	-	-	35	-	-	13	2	-	-	-
Idaho-----	-	1	-	-	70	-	-	3	7	-	-	-
Wyoming-----	1	-	-	-	106	-	-	4	7	-	-	-
Colorado-----	-	2	-	-	611	-	-	1	4	-	-	-
New Mexico-----	-	-	-	-	407	-	-	12	17	-	1	-
Arizona-----	-	-	-	-	230	-	-	9	6	-	-	-
Utah-----	-	-	-	-	248	-	-	2	1	-	-	-
Nevada-----	-	-	-	-	16	-	-	-	-	-	-	-
PACIFIC-----	1	3	4	1	1,079	-	4	70	86	2	2	1
Washington-----	-	1	-	-	317	-	-	5	2	-	-	-
Oregon-----	1	-	-	-	41	-	-	8	7	-	1	-
California-----	-	2	4	1	673	-	4	56	73	2	1	1
Alaska-----	-	-	-	-	30	-	-	1	4	-	-	-
Hawaii-----	-	-	-	-	18	-	-	-	(2)	-	-	-
Puerto Rico-----	-	1	-	-	4	-	1	20	18	-	-	-

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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	48th week ended Dec. 3, 1960	47th week ended Nov. 26, 1960	Adjusted average, 48th week 1955-59	Percent change, adjusted average to current week <sup>1</sup>	Cumulative, first 48 weeks		
					1960	1959	Percent change
<b>TOTAL, 117 REPORTING CITIES</b> -----	<sup>2</sup> 12,687	10,280	11,496	+10.4	<sup>2</sup> 550,880	537,661	+2.5
New England----- (14 cities)	821	668	748	+9.8	34,670	33,706	+2.9
Middle Atlantic----- (20 cities)	3,458	2,925	3,366	+2.7	153,172	153,364	-0.1
East North Central----- (21 cities)	<sup>2</sup> 2,693	2,210	2,579	+4.4	<sup>2</sup> 119,297	117,036	+1.9
West North Central----- (9 cities)	934	635	840	+11.2	38,279	37,230	+2.8
South Atlantic----- (11 cities)	1,098	890	997	+10.1	47,224	45,903	+2.9
East South Central----- (8 cities)	623	483	539	+15.6	24,926	24,458	+1.9
West South Central----- (13 cities)	1,076	779	994	+8.2	47,817	45,036	+6.2
Mountain----- (8 cities)	459	343	302	+52.0	17,344	14,934	+16.1
Pacific----- (13 cities)	<sup>2</sup> 1,525	1,347	1,497	+1.9	<sup>2</sup> 68,151	65,994	+3.3

<sup>1</sup>Adjusted average used as base.

<sup>2</sup>Includes estimates for missing cities.

# 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	48th week ended Dec. 3, 1960	47th week ended Nov. 26, 1960	Cumulative, first 48 weeks		Area	48th week ended Dec. 3, 1960	47th week ended Nov. 26, 1960	Cumulative, first 48 weeks	
			1960	1959				1960	1959
<b>NEW ENGLAND:</b>					<b>WEST NORTH CENTRAL—Con.:</b>				
Boston, Mass.-----	265	215	12,039	11,515	St. Louis, Mo.-----	261	197	11,674	11,341
Bridgeport, Conn.-----	30	49	1,956	1,852	St. Paul, Minn.-----	73	58	3,313	3,124
Cambridge, Mass.-----	33	13	1,465	1,374	Wichita, Kans.-----	58	36	2,228	2,254
Fall River, Mass.-----	37	30	1,357	1,349	<b>SOUTH ATLANTIC:</b>				
Hartford, Conn.-----	59	53	2,363	2,345	Atlanta, Ga.-----	124	113	5,630	5,335
Lowell, Mass.-----	19	22	1,134	1,133	Baltimore, Md.-----	288	240	12,032	11,573
Lynn, Mass.-----	33	24	1,172	1,104	Charlotte, N.C.-----	55	17	1,854	1,772
New Bedford, Mass.-----	34	27	1,198	1,161	Jacksonville, Fla.-----	65	48	2,825	2,740
New Haven, Conn.-----	55	39	2,142	2,145	Miami, Fla.-----	71	67	3,419	3,329
Providence, R.I.-----	76	60	3,078	3,067	Norfolk, Va.-----	53	27	1,916	1,870
Somerville, Mass.-----	18	19	643	620	Richmond, Va.-----	67	95	3,728	3,720
Springfield, Mass.-----	42	35	2,160	2,111	Savannah, Ga.-----	36	26	1,613	1,565
Waterbury, Conn.-----	36	28	1,336	1,325	St. Petersburg, Fla.-----	(90)	(48)	(3,373)	(3,100)
Worcester, Mass.-----	84	54	2,627	2,605	Tampa, Fla.-----	54	56	3,112	2,937
<b>MIDDLE ATLANTIC:</b>					<b>EAST SOUTH CENTRAL:</b>				
Albany, N.Y.-----	71	48	2,106	2,399	Birmingham, Ala.-----	109	67	4,061	3,955
Allentown, Pa.-----	41	38	1,679	1,679	Chattanooga, Tenn.-----	51	55	2,262	2,194
Buffalo, N.Y.-----	176	122	6,914	6,962	Knoxville, Tenn.-----	32	22	1,342	1,359
Camden, N.J.-----	30	40	2,021	1,956	Louisville, Ky.-----	148	103	5,452	5,391
Elizabeth, N.J.-----	25	22	1,400	1,439	Memphis, Tenn.-----	128	125	5,352	5,387
Erie, Pa.-----	46	35	1,856	1,740	Mobile, Ala.-----	37	45	1,979	1,854
Jersey City, N.J.-----	57	81	3,382	3,460	Montgomery, Ala.-----	44	20	1,645	1,566
Newark, N.J.-----	131	61	4,661	4,783	Nashville, Tenn.-----	74	46	2,853	2,752
New York City, N.Y.-----	1,711	1,561	78,223	78,628	<b>WEST SOUTH CENTRAL:</b>				
Paterson, N.J.-----	52	40	1,847	1,847	Austin, Tex.-----	38	23	1,606	1,525
Philadelphia, Pa.-----	498	413	23,227	23,203	Baton Rouge, La.-----	37	26	1,377	1,300
Pittsburgh, Pa.-----	241	128	9,199	8,832	Corpus Christi, Tex.-----	18	9	1,103	982
Reading, Pa.-----	29	16	1,136	1,045	Dallas, Tex.-----	127	111	5,949	5,659
Rochester, N.Y.-----	103	106	4,831	4,657	El Paso, Tex.-----	41	25	1,807	1,744
Schenectady, N.Y.-----	29	15	1,120	1,184	Fort Worth, Tex.-----	70	54	3,167	3,026
Scranton, Pa.-----	40	57	1,824	1,738	Houston, Tex.-----	193	119	8,002	7,441
Syracuse, N.Y.-----	65	57	2,998	2,991	Little Rock, Ark.-----	54	45	2,720	2,560
Trenton, N.J.-----	55	21	1,964	2,033	New Orleans, La.-----	211	148	8,559	8,147
Utica, N.Y.-----	23	26	1,294	1,349	Oklahoma City, Okla.-----	90	51	3,594	3,379
Yonkers, N.Y.-----	35	38	1,490	1,491	San Antonio, Tex.-----	113	81	4,771	4,549
<b>EAST NORTH CENTRAL:</b>					<b>MOUNTAIN:</b>				
Akron, Ohio-----	56	55	2,709	2,779	Albuquerque, N. Mex.-----	53	30	1,545	1,433
Canton, Ohio-----	31	32	1,659	1,601	Colorado Springs, Colo.-----	17	21	800	750
Chicago, Ill.-----	832	731	36,800	36,189	Denver, Colo.-----	146	91	5,727	5,491
Cincinnati, Ohio-----	183	147	7,532	7,544	Ogden, Utah-----	18	18	791	714
Cleveland, Ohio-----	233	205	10,128	9,959	Phoenix, Ariz.-----	101	81	3,660	2,442
Columbus, Ohio-----	125	107	5,679	5,641	Pueblo, Colo.-----	13	16	779	667
Dayton, Ohio-----	178	91	23,633	3,265	Salt Lake City, Utah-----	60	43	2,326	2,319
Detroit, Mich.-----	310	210	16,073	15,713	Tucson, Ariz.-----	51	43	1,716	1,118
Evansville, Ind.-----	42	45	1,787	1,745	<b>PACIFIC:</b>				
Flint, Mich.-----	146	37	21,930	1,920	Berkeley, Calif.-----	23	19	809	808
Fort Wayne, Ind.-----	37	32	1,756	1,744	Fresno, Calif.-----	(59)	(70)	(2,106)	(1,918)
Gary, Ind.-----	134	23	21,462	1,417	Glendale, Calif.-----	(42)	(35)	(1,772)	(1,732)
Grand Rapids, Mich.-----	51	44	1,979	2,010	Honolulu, Hawaii-----	50	37	1,977	1,835
Indianapolis, Ind.-----	171	101	6,942	6,541	Long Beach, Calif.-----	66	59	2,631	2,605
Madison, Wis.-----	25	37	1,554	1,443	Los Angeles, Calif.-----	510	455	23,916	23,010
Milwaukee, Wis.-----	165	103	6,002	6,155	Oakland, Calif.-----	131	84	4,574	4,347
Peoria, Ill.-----	34	20	1,445	1,410	Pasadena, Calif.-----	47	45	1,664	1,509
Rockford, Ill.-----	34	26	1,381	1,312	Portland, Oreg.-----	119	114	5,253	5,209
South Bend, Ind.-----	36	23	1,408	1,324	Sacramento, Calif.-----	77	69	2,801	2,662
Toledo, Ohio-----	109	85	4,789	4,763	San Diego, Calif.-----	67	88	4,347	3,913
Youngstown, Ohio-----	61	56	2,649	2,561	San Francisco, Calif.-----	222	184	9,443	9,296
<b>WEST NORTH CENTRAL:</b>					<b>SAN JOSE, CALIF.-----</b>				
Des Moines, Iowa-----	62	55	2,635	2,550	(42)	(40)	(1,671)	(1,220)	
Duluth, Minn.-----	36	21	1,219	1,223	Seattle, Wash.-----	121	121	6,509	6,518
Kansas City, Kans.-----	38	40	1,689	1,711	Spokane, Wash.-----	55	41	2,298	2,363
Kansas City, Mo.-----	167	67	6,001	5,759	Tacoma, Wash.-----	137	31	21,929	1,919
Lincoln, Nebr.-----	(29)	(19)	(1,244)	(1,264)					
Minneapolis, Minn.-----	152	97	5,997	5,851					
Omaha, Nebr.-----	87	64	3,523	3,417					

<sup>1</sup>Estimated.

<sup>2</sup>Includes estimate for current week.

**Morbidity and Mortality Weekly Report**

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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**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, small-pox, louse-borne epidemic typhus, and yellow fever) this is noted below table 1.