

Morbidity and Mortality

Weekly
Report

PUBLIC HEALTH SERVICE

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Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended September 24, 1960

The total number of cases of poliomyelitis reported for the week ended September 24 was 201, of which 131 were paralytic cases. This is a substantial increase over the revised figures for the previous week—a total of 176 cases including 114 paralytic. For the week ended September 26, 1959, the total was 475 cases, of which 315 were paralytic. The 131 paralytic cases for the current week is the highest number reported in any week this year. The previous high week was the week ended September 3 with a revised figure of 121 paralytic cases. For that week, the total number of cases was 218.

It cannot be stated at this time whether or not the 1960 peak week for paralytic cases has been reached. In the preceding 6 years, the peak was reached in the 34th week once (1955), the 37th week 3 times (1956, 1958, and 1959), the 38th week once (1954), and the 39th week once (1957).

For the current week, Maryland reported the largest number of paralytic cases (16). Twelve of these occurred in Baltimore where the majority of cases this summer have been

occurring in low socioeconomic areas in 2 different parts of the city. Most of the cases have been in nonwhite individuals. So far, all isolations of poliovirus in Baltimore have been type III. Other States which reported 9 or more paralytic cases were California (14), Illinois and New York (10 each), and Maine (9). Twenty cases unspecified as to paralytic status were reported in Kentucky. About a fourth of the cases reported in upstate New York have been occurring in Cattaraugus County.

Two deaths were reported—one each in California and Illinois.

The Los Angeles City Health Department reported that the incidence of paralytic poliomyelitis through 36 weeks of 1960 was higher than for the comparable period of any year since 1956. During the past 10 years, the peak incidence usually occurred during the last half of September although a high incidence occurred as late as mid-December in several years of the early 1950's.

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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)	38th week			Cumulative						Approximate seasonal low point
	Ended Sept. 24, 1960 ¹	Ended Sept. 26, 1959	Median 1955-59	First 38 weeks			Since seasonal low week			
				1960 ¹	1959	Median 1955-59	1959-60 ¹	1958-59	Median 1954-55 to 1958-59	
Anthrax-----062	2	-	-	15	12	15	(3)	(3)	(3)	(3)
Botulism-----049.1	-	-	-	10	13	6	(3)	(3)	(3)	(3)
Brucellosis (undulant fever)-----044	15	12	14	589	562	714	(3)	(3)	(3)	(3)
Diphtheria-----055	19	9	13	469	553	702	140	156	176	July 1
Encephalitis, infectious-----082	45	76	72	1,367	1,521	1,494	754	943	891	June 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	898	401	276	27,810	16,311	14,562	2,307	1,188	819	Sept. 1
Malaria-----110-117	5	4	5	52	61	120	(3)	(3)	(3)	(3)
Measles-----085	733	857	911	402,116	366,029	520,342	2,258	2,714	2,714	Sept. 1
Meningitis, aseptic-----340 pt.	166	-	-	2,045	-	-	-	-	-	-
Meningococcal infections-----057	36	30	37	1,632	1,679	1,939	97	100	111	Sept. 1
Poliomyelitis-----080	201	475	475	2,127	5,945	5,945	1,910	5,652	5,652	Apr. 1
Paralytic-----080.0,080.1	131	315	249	1,431	3,766	3,766	1,278	3,558	3,558	Apr. 1
Nonparalytic-----080.2	44	125	161	478	1,670	2,485	441	1,622	2,319	Apr. 1
Unspecified-----080.3	26	35	45	218	509	770	191	472	681	Apr. 1
Faittaccosis-----096.2	1	2	2	73	83	200	(3)	(3)	(3)	(3)
Rabies in man-----094	-	-	-	3	4	4	(3)	(3)	(3)	(3)
Streptococcal sore throat, including scarlet fever-----050,051	3,351	-	-	233,827	-	-	-	-	-	-
Typhoid fever-----040	25	30	31	603	592	982	476	465	721	Apr. 1
Typhus fever, endemic-----101	2	2	3	53	35	82	48	29	62	Apr. 1
Rabies in animals-----	46	81	81	2,732	2,859	3,587	3,781	3,765	4,367	Oct. 1

¹Data exclude report from Wyoming for the current week.
²Data show no pronounced seasonal change in incidence.

²Reported in South Carolina.

A revised report was received from Kentucky deleting 11 of the 12 cases of typhoid fever reported in that State for the week ended September 17.

Five cases of malaria were reported for the current week. The 2 cases in California were Plasmodium vivax infections in a serviceman, probably acquired in Korea, and in a missionary who had been in Borneo. The case in Maine was acquired in Africa, and the case in Mississippi was a P. vivax infection in a serviceman recently returned from Korea.

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Botulism

Dr. D. S. Fleming, Minnesota Department of Health, supplied information on the 2 cases of botulism reported in that State for the week ended September 17. Both persons died within 2 days after consumption of smoked fish packed in vacuum packed plastic bags. The suspect meal was eaten from 6 to 7 p.m. on September 9. The next morning, about 7 a.m. the first victim, a 65-year-old male, complained of anoxia and feeling ill. That evening he vomited and suffered several attacks of emesis during the night. At 6:30 a.m. on September 11, he died while being dressed to go to a hospital. Post mortem examination showed gross coronary disease. The other victim, a 63-year-old female also became ill with nausea, vomiting, and dizziness on the morning of September 10. On September 11 she developed visual disturbances and was hospitalized that evening. She died at 10:30 p.m. Gross post mortem examination was negative. Botulism was suspected as the cause of the second death and the health officer was notified. Samples of the suspect meal were obtained. The meal included canned ham, sweet potatoes, cole slaw, green apple sauce, and canned pineapple. After the meal the smoked fish were served. The fish had been purchased a week previously but kept properly refrigerated. Material from leftover scraps of the smoked fish were inoculated into mice—4 unprotected, 2 injected with heated material, and 2 protected with botulinus antitoxin A and B. The 4 unprotected mice died and the others survived. Five other persons attending the meal were given a prophylactic dose of botulinus antitoxin A and B and have remained symptom free.

Malaria

Dr. W. H. Y. Smith, Alabama Department of Public Health, supplied information on the first case of malaria reported in that State since 1957. The case was in a woman who lived in the suburbs of Montgomery until January 1, 1960, when she moved into Tennessee; however, she returned to Alabama each month for a week or 10 days. About October 1, 1959, she began having chills and fever which became progressively worse. In June 1960, after undergoing surgery she developed chills and a high spiked fever. A blood smear was made at that time and Plasmodium faciparum was observed. Investigation revealed that 2 Air Force officers had lived in a house next to the patient until late December 1959. But neither officer had had symptoms of malaria and their last post in a malaria area was in 1956. Blood smears were made on all individuals in the

household and nearby neighbors and all were negative. A mosquito catch in and around the woman's home showed many Anopheles quadrimaculatus mosquitoes. There was no evidence that the woman became infected while in Tennessee.

Viral infections

Dr. James R. Enright, Hawaii State Department of Health, reported that herpes simplex virus was isolated from the brain tissue of an infant girl who died at age 22 days. Monkey kidney cells, Hela cells, and adult and suckling mice were used. The virus was neutralized with specific herpes simplex antisera. Intranuclear inclusion bodies typical of herpes simplex virus were seen in glial cells in sections of brain tissue and in stained cell cultures. The first lesion, an abraded, uninfamed area, appeared on the child's scalp at age 8 days. Three days later 2 vesicular lesions were found on the scalp and subsequently the lesions spread to the face, chest, and arms of the child.

Animal rabies

Dr. H. M. Hardwicke, Missouri Acting Director of Health, reported 2 cases of rabies in bats, the first such cases recognized in Missouri. One of the bats was a hoary bat found in Kansas City. The diagnosis of rabies was confirmed by mouse inoculation tests done by the Missouri Division of Health Laboratory. There was no known human exposure to this bat. The other rabid bat, reported by the St. Louis Division of Health Laboratory, also was found positive on mouse inoculation tests. The description indicated that this bat was either a big brown bat or a red tree bat, both common in Missouri. Confirmation of this diagnosis was made by the Midwest Rabies Investigation Station at Poynette, Wisconsin. One woman was bitten on the finger by this bat.

The Oregon State Board of Health reported that the recovery of rabies virus from a bat in the Klamath Falls area marks the first time a rabid bat has been reported in that State.

Staphylococcal food poisoning

Dr. Walter W. Lee, Massachusetts District Health Officer, reported that 3 members of a family became ill with vomiting and diarrhea from 1 to 1½ hours after eating a meal consisting principally of reheated ham. The day the ham was cooked it was served to 6 people without resultant illness. It was kept on the stove overnight because there was no room in the refrigerator and then reheated and eaten by the 3 family members. The woman who prepared the ham stated she had a cold "all summer." Staphylococci were found in the ham and similar organisms were observed in cultures of a throat swab obtained from the woman.

Gastroenteritis

Dr. Ottavio J. Pellitteri, New York City Department of Health, reported an outbreak of food poisoning following a dinner attended by 103 guests. Of 88 persons questioned, 76 stated that they developed gastrointestinal symptoms on an

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED SEPTEMBER 28, 1959, AND SEPTEMBER 24, 1960

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

Area	Polio myelitis 080										Menin- gitis, aseptic 340 pt.	Brucel- losis (undu- lant fever) 044 1960
	Total ¹				Paralytic 080.0,080.1				Nonparalytic			
	38th week		Cumulative, first 38 weeks		38th week		Cumulative, first 38 weeks		080.2			
	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959		
UNITED STATES ² -----	201	475	2,127	5,945	131	315	1,431	3,766	44	125	166	15
NEW ENGLAND-----	14	32	186	240	14	29	146	172	-	2	7	1
Maine-----	9	15	29	28	9	15	29	28	-	-	5	-
New Hampshire-----	-	1	-	4	-	1	-	3	-	-	-	-
Vermont-----	1	-	6	2	1	-	2	2	-	-	-	-
Massachusetts-----	-	10	26	103	-	8	18	72	-	2	1	-
Rhode Island-----	-	2	96	6	-	1	74	4	-	-	1	-
Connecticut-----	4	4	29	97	4	4	23	63	-	-	-	1
MIDDLE ATLANTIC-----	35	64	293	475	18	46	213	280	17	13	17	-
New York-----	22	32	170	280	10	17	114	148	12	12	8	-
New Jersey-----	4	17	61	99	2	14	46	59	2	1	4	-
Pennsylvania-----	9	15	62	96	6	15	53	73	3	6	5	-
EAST NORTH CENTRAL-----	41	80	355	865	25	31	189	349	10	34	43	7
Ohio-----	13	19	86	203	6	7	38	84	3	4	13	-
Indiana-----	9	10	78	105	6	6	46	75	1	4	2	-
Illinois-----	12	20	111	194	10	7	74	92	2	8	18	7
Michigan-----	3	29	58	332	2	10	26	83	1	17	10	-
Wisconsin-----	4	2	22	31	1	1	5	15	3	1	-	-
WEST NORTH CENTRAL-----	11	88	123	1,218	5	53	63	638	6	26	26	5
Minnesota-----	1	18	36	160	1	16	29	127	-	-	18	-
Iowa-----	5	21	22	371	1	16	4	187	4	5	2	2
Missouri-----	4	32	24	380	3	15	15	206	1	11	-	-
North Dakota-----	-	1	9	11	-	-	3	6	-	-	-	-
South Dakota-----	-	1	4	14	-	-	1	1	-	-	-	1
Nebraska-----	1	5	12	115	-	2	7	61	1	3	1	2
Kansas-----	-	10	16	167	-	4	4	50	-	5	5	-
SOUTH ATLANTIC-----	33	63	344	891	30	51	245	688	3	8	7	-
Delaware-----	-	-	-	7	-	-	-	7	-	-	-	-
Maryland-----	17	5	51	20	16	4	45	19	1	1	-	-
District of Columbia-----	-	-	-	6	-	-	-	5	-	-	-	-
Virginia-----	2	22	16	215	2	22	14	178	-	-	4	-
West Virginia-----	3	10	32	133	2	9	25	103	1	1	1	-
North Carolina-----	2	10	70	173	1	9	42	150	1	1	-	-
South Carolina-----	6	5	110	63	6	1	73	33	-	-	-	-
Georgia-----	1	6	15	116	1	4	13	89	-	2	-	-
Florida-----	2	5	50	158	2	2	33	104	-	3	2	-
EAST SOUTH CENTRAL-----	30	45	147	624	9	33	68	463	1	11	9	-
Kentucky-----	20	13	77	50	-	10	5	44	-	3	4	-
Tennessee-----	7	14	29	263	6	9	22	190	1	4	1	-
Alabama-----	2	12	13	217	2	11	13	181	-	1	1	-
Mississippi-----	1	6	28	94	1	3	28	48	-	3	3	-
WEST SOUTH CENTRAL-----	12	57	213	929	9	33	127	617	3	24	5	2
Arkansas-----	3	20	24	239	3	10	13	192	-	10	1	-
Louisiana-----	4	3	44	109	3	3	29	81	1	-	-	2
Oklahoma-----	-	7	12	129	-	5	8	72	-	2	1	-
Texas-----	5	27	133	452	3	15	77	272	2	12	3	-
MOUNTAIN ² -----	3	9	62	152	3	6	28	87	-	3	7	-
Montana-----	1	-	14	7	1	-	10	2	-	-	-	-
Idaho-----	-	-	5	5	-	-	1	-	-	-	-	-
Wyoming-----	-	-	18	2	-	-	2	1	-	-	-	-
Colorado-----	2	1	11	19	2	-	10	13	-	1	7	-
New Mexico-----	-	3	6	36	-	2	2	21	-	1	-	-
Arizona-----	-	5	4	71	-	4	4	45	-	1	-	-
Utah-----	-	-	4	8	-	-	1	2	-	-	-	-
Nevada-----	-	-	-	4	-	-	-	3	-	-	-	-
PACIFIC-----	22	37	404	551	18	33	352	472	4	4	45	-
Washington-----	3	10	25	120	3	10	25	120	-	-	16	-
Oregon-----	2	6	29	112	1	5	17	87	1	1	1	-
California-----	17	20	341	306	14	17	301	257	3	3	28	-
Alaska-----	-	1	2	13	-	1	2	8	-	-	-	-
Hawaii-----	-	(1)	7	(5)	-	(1)	7	(5)	-	-	-	-
Puerto Rico-----	16	-	443	3	16	-	438	3	-	-	-	-

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

²Data exclude report from Wyoming for the current week.

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED SEPTEMBER 26, 1959, AND SEPTEMBER 24, 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	
	38th week		Cumulative, first 38 weeks		082		38th week		Cumulative, first 38 weeks		085	
	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959
UNITED STATES ² -----	19	9	469	553	45	76	898	401	27,810	16,311	733	857
NEW ENGLAND-----	-	-	10	5	1	3	14	18	832	521	131	76
Maine-----	-	-	2	-	-	-	1	1	50	84	2	4
New Hampshire-----	-	-	-	-	-	-	-	2	25	15	6	45
Vermont-----	-	-	-	-	-	-	1	-	12	23	33	-
Massachusetts-----	-	-	7	5	1	3	7	12	414	243	80	25
Rhode Island-----	-	-	1	-	-	-	1	-	162	51	-	1
Connecticut-----	-	-	-	-	-	-	4	3	169	105	10	1
MIDDLE ATLANTIC-----	-	1	13	45	6	20	191	60	3,296	2,442	76	84
New York-----	-	-	3	23	4	13	129	44	1,785	1,444	45	53
New Jersey-----	-	-	2	9	2	4	9	5	222	266	9	22
Pennsylvania-----	-	1	8	13	-	3	53	11	1,289	732	22	9
EAST NORTH CENTRAL-----	-	-	36	26	6	9	145	37	5,042	2,614	148	145
Ohio-----	-	-	15	8	5	5	59	9	1,714	773	19	12
Indiana-----	-	-	5	4	-	2	15	2	568	242	17	11
Illinois-----	-	-	5	9	-	-	38	9	1,061	564	10	18
Michigan-----	-	-	9	3	1	1	28	11	1,520	877	36	28
Wisconsin-----	-	-	2	2	-	1	5	6	179	158	66	76
WEST NORTH CENTRAL-----	1	-	25	43	5	7	53	27	1,949	1,298	31	25
Minnesota-----	1	-	7	18	-	-	14	7	230	322	-	5
Iowa-----	-	-	7	3	3	-	13	1	332	118	8	3
Missouri-----	-	-	2	5	1	-	11	7	709	356	1	-
North Dakota-----	-	-	1	2	-	-	-	6	141	254	21	17
South Dakota-----	-	-	5	3	1	1	2	-	129	41	-	-
Nebraska-----	-	-	1	12	-	-	8	2	207	62	1	-
Kansas-----	-	-	2	-	-	6	5	4	201	145	(*)	(*)
SOUTH ATLANTIC-----	7	2	140	150	11	14	80	34	3,253	1,444	59	54
Delaware-----	-	-	-	-	-	-	6	1	200	84	2	2
Maryland-----	-	-	1	7	9	1	14	5	336	327	3	20
District of Columbia-----	-	-	-	-	-	2	-	3	40	15	-	1
Virginia-----	2	1	18	10	1	-	5	10	634	343	13	9
West Virginia-----	-	-	4	2	-	1	20	2	611	245	19	8
North Carolina-----	-	-	7	15	-	3	8	1	281	86	1	-
South Carolina-----	1	-	43	19	1	5	1	1	51	34	6	-
Georgia-----	1	1	22	50	-	1	4	4	214	110	-	1
Florida-----	3	-	45	47	-	1	22	7	886	200	15	13
EAST SOUTH CENTRAL-----	1	3	47	63	5	5	143	56	3,992	1,489	24	38
Kentucky-----	-	1	9	1	1	2	57	29	1,472	701	2	4
Tennessee-----	-	-	7	6	3	2	43	15	1,297	350	20	33
Alabama-----	1	1	22	15	1	-	21	6	863	311	2	1
Mississippi-----	-	2	17	33	-	1	22	6	360	127	-	-
WEST SOUTH CENTRAL-----	10	3	162	191	5	4	45	39	2,235	1,298	69	161
Arkansas-----	6	-	11	34	1	-	2	2	115	66	1	-
Louisiana-----	2	2	33	49	-	-	6	2	118	101	1	2
Oklahoma-----	2	-	16	2	-	-	6	5	280	178	-	-
Texas-----	-	1	102	106	4	4	31	30	1,722	953	67	159
MOUNTAIN ² -----	-	-	35	18	1	1	52	36	2,241	2,181	57	115
Montana-----	-	-	3	-	-	-	6	3	103	200	4	13
Idaho-----	-	-	11	-	-	-	2	7	262	254	3	12
Wyoming-----	-	-	25	-	-	-	-	1	23	48	-	-
Colorado-----	-	-	3	7	-	-	15	13	814	674	16	11
New Mexico-----	-	-	4	8	-	-	7	4	270	410	-	18
Arizona-----	-	-	3	2	1	1	11	3	496	428	15	10
Utah-----	-	-	6	-	-	-	5	5	198	146	17	51
Nevada-----	-	-	-	1	-	-	6	-	75	21	2	-
PACIFIC-----	-	-	1	12	5	13	175	94	4,970	3,024	138	159
Washington-----	-	-	-	-	2	-	24	8	563	394	27	40
Oregon-----	-	-	-	3	-	-	32	25	813	616	44	39
California-----	-	-	4	-	3	13	114	61	3,367	1,951	63	54
Alaska-----	-	-	1	5	-	-	2	-	153	63	3	26
Hawaii-----	-	-	-	(2)	-	-	3	(1)	74	(34)	1	(8)
Puerto Rico-----	-	2	110	23	-	-	6	7	598	226	3	4

²Data exclude report from Wyoming for the current week.

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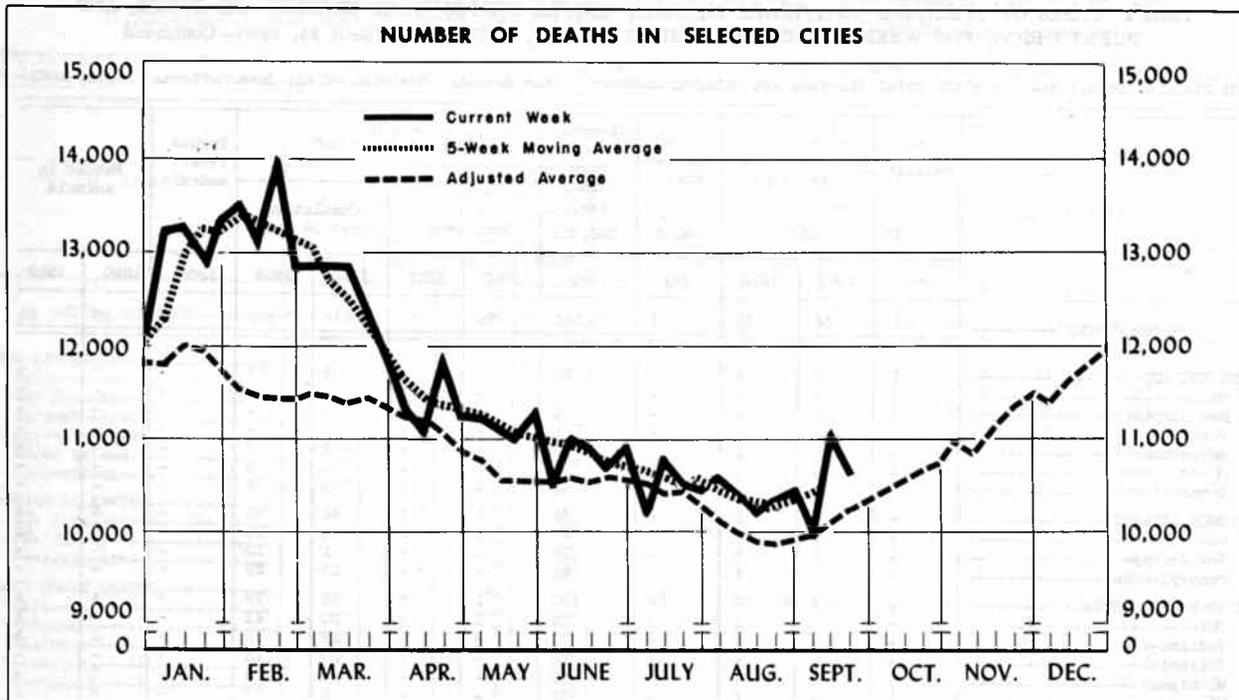
Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED SEPTEMBER 26, 1959, AND SEPTEMBER 24, 1960—Continued

(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			101			
	1960	1960	1959	1960	1960	1960	1960	1959	1960	1959	1960	1959	
UNITED STATES ² -----	5	36	30	1	3,351		25	30	603	592	2	46	81
NEW ENGLAND-----	1	-	2	-	92		-	-	8	14	-	-	-
Maine-----	1	-	-	-	7		-	-	2	2	-	-	-
New Hampshire-----	-	-	-	-	2		-	-	-	-	-	-	-
Vermont-----	-	-	-	-	1		-	-	-	-	-	-	-
Massachusetts-----	-	-	2	-	30		-	-	3	5	-	-	-
Rhode Island-----	-	-	-	-	1		-	-	-	2	-	-	-
Connecticut-----	-	-	-	-	51		-	-	3	5	-	-	-
MIDDLE ATLANTIC-----	-	5	1	-	84		1	5	42	56	-	6	19
New York-----	-	4	-	-	41		1	5	28	24	-	6	19
New Jersey-----	-	1	1	-	15		-	-	1	10	-	-	-
Pennsylvania-----	-	-	-	-	28		-	-	13	22	-	-	-
EAST NORTH CENTRAL-----	-	9	10	-	190		1	3	76	78	-	4	4
Ohio-----	-	-	1	-	23		1	1	20	41	-	-	2
Indiana-----	-	2	1	-	73		-	1	22	11	-	1	1
Illinois-----	-	1	-	-	22		-	1	20	15	-	-	-
Michigan-----	-	5	7	-	40		-	-	9	8	-	3	-
Wisconsin-----	-	1	1	-	32		-	-	5	3	-	-	1
WEST NORTH CENTRAL-----	-	4	4	-	57		2	5	36	40	-	9	15
Minnesota-----	-	-	-	-	8		-	-	1	1	-	-	4
Iowa-----	-	1	-	-	10		-	5	6	7	-	2	2
Missouri-----	-	-	1	-	2		2	-	21	14	-	5	3
North Dakota-----	-	-	-	-	27		-	-	1	4	-	-	1
South Dakota-----	-	-	-	-	1		-	-	3	3	-	2	-
Nebraska-----	-	3	3	-	-		-	-	2	4	-	-	3
Kansas-----	-	-	-	-	9		-	-	2	7	-	-	2
SOUTH ATLANTIC-----	-	3	2	-	278		4	3	92	104	-	10	12
Delaware-----	-	-	-	-	-		-	-	1	-	-	-	-
Maryland-----	-	1	-	-	6		1	1	4	4	-	-	-
District of Columbia-----	-	-	-	-	3		-	1	7	4	-	-	-
Virginia-----	-	-	-	-	89		-	-	18	17	-	2	4
West Virginia-----	-	-	-	-	110		2	-	9	11	-	6	4
North Carolina-----	-	-	-	-	8		-	1	8	11	-	-	-
South Carolina-----	-	1	-	-	-		-	-	11	10	-	-	1
Georgia-----	-	-	2	-	-		1	-	21	24	-	1	3
Florida-----	-	1	-	-	62		-	-	13	23	-	1	-
EAST SOUTH CENTRAL-----	2	2	2	-	758		7	5	93	82	-	4	11
Kentucky-----	1	1	-	-	40		-	2	26	15	-	3	1
Tennessee-----	-	-	1	-	688		6	1	48	43	-	1	4
Alabama-----	-	-	1	-	4		1	-	14	8	-	-	6
Mississippi-----	1	1	-	-	26		-	2	5	16	-	-	-
WEST SOUTH CENTRAL-----	-	2	1	-	600		6	5	171	121	2	5	16
Arkansas-----	-	-	1	-	-		2	2	39	24	-	-	3
Louisiana-----	-	1	-	-	5		-	-	54	14	-	2	3
Oklahoma-----	-	-	-	-	-		2	-	12	15	-	-	1
Texas-----	-	1	-	-	595		2	3	66	68	2	3	9
MOUNTAIN ² -----	-	3	1	-	811		-	1	30	30	-	2	1
Montana-----	-	1	1	-	38		-	-	9	2	-	-	-
Idaho-----	-	-	-	-	21		-	-	2	4	-	-	-
Wyoming-----	-	-	-	-	-		-	-	2	3	-	-	-
Colorado-----	-	2	-	-	286		-	-	-	4	-	-	-
New Mexico-----	-	-	-	-	257		-	1	8	12	-	2	-
Arizona-----	-	-	-	-	106		-	-	6	5	-	-	1
Utah-----	-	-	-	-	102		-	-	1	-	-	-	-
Nevada-----	-	-	-	-	1		-	-	-	-	-	-	-
PACIFIC-----	2	8	7	1	481		4	3	55	67	-	6	3
Washington-----	-	-	-	-	58		-	1	5	2	-	-	-
Oregon-----	-	2	1	1	19		-	2	8	7	-	-	-
California-----	2	5	5	-	372		4	-	41	54	-	6	3
Alaska-----	-	1	1	-	25		-	-	1	4	-	-	-
Hawaii-----	-	-	-	-	7		-	-	-	-	-	-	-
Puerto Rico-----	-	-	-	-	-		-	-	17	14	-	2	3

²Data exclude report from Wyoming 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	36th week ended Sept. 24, 1960	37th week ended Sept. 17, 1960	Adjusted average, 36th week 1955-59	Percent change, adjusted average to current week ¹	Cumulative, first 36 weeks		
					1960	1959	Percent change
TOTAL, 117 REPORTING CITIES-----	² 10,602	11,089	10,220	+3.7	³ 438,564	428,395	+2.4
New England----- (14 cities)	683	613	670	+1.9	27,356	26,910	+1.7
Middle Atlantic----- (20 cities)	2,876	2,874	3,012	-4.5	⁴ 121,283	123,072	-1.5
East North Central----- (21 cities)	2,262	2,438	2,330	-2.9	94,948	93,074	+2.0
West North Central----- (9 cities)	673	743	731	-7.9	30,565	29,503	+3.6
South Atlantic----- (11 cities)	899	937	866	+3.8	37,681	36,494	+3.3
East South Central----- (8 cities)	² 495	581	483	+2.5	² 19,921	19,365	+2.9
West South Central----- (13 cities)	² 963	939	878	+9.7	² 38,499	35,721	+7.8
Mountain----- (8 cities)	299	361	271	+10.3	13,747	11,852	+16.0
Pacific----- (13 cities)	1,452	1,583	1,340	+8.4	54,564	52,404	+4.1

¹Data for current week divided by adjusted average data.

²Includes estimates for missing cities and revised figure.

³Includes estimates for missing cities.

⁴Revised.

Morbidity and Mortality Weekly Report

Table 4. DEATHS IN SELECTED CITIES

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

Area	38th week ended Sept. 24, 1960	37th week ended Sept. 17, 1960	Cumulative, first 38 weeks		Area	38th week ended Sept. 24, 1960	37th week ended Sept. 17, 1960	Cumulative, first 38 weeks	
			1960	1959				1960	1959
NEW ENGLAND:					WEST NORTH CENTRAL—Con.:				
Boston, Mass.-----	213	210	9,498	9,182	St. Louis, Mo.-----	196	272	9,444	8,932
Bridgeport, Conn.-----	50	40	1,568	1,513	St. Paul, Minn.-----	47	84	2,665	2,455
Cambridge, Mass.-----	36	23	1,192	1,071	Wichita, Kans.-----	30	42	1,735	1,828
Fall River, Mass.-----	25	29	1,076	1,071	SOUTH ATLANTIC:				
Hartford, Conn.-----	53	37	1,834	1,862	Atlanta, Ga.-----	115	119	4,513	4,210
Lowell, Mass.-----	20	19	909	890	Baltimore, Md.-----	236	247	9,584	9,208
Lynn, Mass.-----	21	21	916	886	Charlotte, N.C.-----	35	42	1,489	1,388
New Bedford, Mass.-----	30	20	935	916	Jacksonville, Fla.-----	52	51	2,276	2,175
New Haven, Conn.-----	35	43	1,703	1,703	Miami, Fla.-----	69	75	2,782	2,644
Providence, R.I.-----	69	60	2,425	2,447	Norfolk, Va.-----	39	28	1,533	1,495
Somerville, Mass.-----	8	11	504	492	Richmond, Va.-----	78	80	2,972	2,989
Springfield, Mass.-----	36	27	1,709	1,703	Savannah, Ga.-----	32	29	1,298	1,252
Waterbury, Conn.-----	25	23	1,040	1,057	St. Petersburg, Fla.-----	(68)	(55)	(2,715)	(2,425)
Worcester, Mass.-----	62	50	2,047	2,117	Tampa, Fla.-----	59	48	2,496	2,354
MIDDLE ATLANTIC:					Washington, D.C.-----	149	178	7,296	7,347
Albany, N.Y.-----	43	47	1,657	1,987	Wilmington, Del.-----	35	40	1,442	1,432
Allentown, Pa.-----	32	31	1,316	1,311	EAST SOUTH CENTRAL:				
Buffalo, N.Y.-----	123	151	5,567	5,509	Birmingham, Ala.-----	81	91	3,230	3,113
Camden, N.J.-----	49	28	1,618	1,580	Chattanooga, Tenn.-----	43	67	1,791	1,742
Elizabeth, N.J.-----	25	24	1,120	1,118	Knoxville, Tenn.-----	21	18	1,068	1,112
Erie, Pa.-----	39	33	1,479	1,391	Louisville, Ky.-----	294	138	4,337	4,218
Jersey City, N.J.-----	90	68	2,701	2,810	Memphis, Tenn.-----	109	125	4,290	4,285
Newark, N.J.-----	100	98	3,679	3,790	Mobile, Ala.-----	54	40	1,580	1,468
New York City, N.Y.-----	1,434	1,443	61,577	63,094	Montgomery, Ala.-----	39	43	1,325	1,225
Paterson, N.J.-----	34	30	1,455	1,471	Nashville, Tenn.-----	54	59	2,300	2,202
Philadelphia, Pa.-----	443	367	18,611	18,790	WEST SOUTH CENTRAL:				
Pittsburgh, Pa.-----	163	238	7,357	7,065	Austin, Tex.-----	44	28	1,330	1,208
Reading, Pa.-----	23	26	898	850	Baton Rouge, La.-----	219	48	1,080	1,024
Rochester, N.Y.-----	91	94	3,804	3,671	Corpus Christi, Tex.-----	18	13	907	796
Schenectady, N.Y.-----	21	22	909	955	Dallas, Tex.-----	118	110	4,757	4,500
Scranton, Pa.-----	29	32	1,417	1,391	El Paso, Tex.-----	40	31	1,461	1,398
Syracuse, N.Y.-----	63	56	2,344	2,392	Fort Worth, Tex.-----	73	57	2,551	2,390
Trenton, N.J.-----	36	30	1,572	1,631	Houston, Tex.-----	175	192	6,445	5,903
Utica, N.Y.-----	15	25	1,035	1,068	Little Rock, Ark.-----	64	68	2,205	2,079
Yonkers, N.Y.-----	23	31	1,167	1,198	New Orleans, La.-----	159	135	6,868	6,372
EAST NORTH CENTRAL:					Oklahoma City, Okla.-----	80	73	2,856	2,612
Akron, Ohio-----	55	62	2,169	2,233	San Antonio, Tex.-----	77	80	3,856	3,636
Canton, Ohio-----	40	21	1,322	1,269	Shreveport, La.-----	58	56	2,076	1,958
Chicago, Ill.-----	691	763	29,339	28,723	Tulsa, Okla.-----	38	48	2,107	1,845
Cincinnati, Ohio-----	131	176	5,966	6,052	MOUNTAIN:				
Cleveland, Ohio-----	181	190	8,007	7,932	Albuquerque, N. Mex.-----	22	27	1,176	1,132
Columbus, Ohio-----	112	104	4,483	4,459	Colorado Springs, Colo.-----	15	15	629	583
Dayton, Ohio-----	72	86	2,832	2,561	Denver, Colo.-----	103	130	4,515	4,378
Detroit, Mich.-----	278	310	12,965	12,476	Ogden, Utah-----	12	20	630	591
Evansville, Ind.-----	46	35	1,381	1,399	Phoenix, Ariz.-----	53	84	2,947	1,923
Flint, Mich.-----	50	38	1,531	1,523	Pueblo, Colo.-----	17	19	630	526
Fort Wayne, Ind.-----	38	24	1,412	1,378	Salt Lake City, Utah-----	44	41	1,858	1,836
Gary, Ind.-----	28	24	1,196	1,128	Tucson, Ariz.-----	33	45	1,362	883
Grand Rapids, Mich.-----	26	32	1,572	1,606	PACIFIC:				
Indianapolis, Ind.-----	138	155	5,573	5,284	Berkeley, Calif.-----	14	17	639	643
Madison, Wis.-----	23	38	1,207	1,127	Fresno, Calif.-----	(27)	(46)	(1,699)	(1,521)
Milwaukee, Wis.-----	125	138	4,758	4,863	Glendale, Calif.-----	(40)	(47)	(1,479)	(1,377)
Peoria, Ill.-----	30	42	1,150	1,097	Honolulu, Hawaii-----	45	46	1,581	1,446
Rockford, Ill.-----	25	27	1,091	1,060	Long Beach, Calif.-----	53	63	2,092	2,092
South Bend, Ind.-----	33	31	1,092	1,043	Los Angeles, Calif.-----	490	580	19,251	18,289
Toledo, Ohio-----	93	94	3,806	3,820	Oakland, Calif.-----	129	104	3,666	3,451
Youngstown, Ohio-----	47	48	2,096	2,041	Pasadena, Calif.-----	37	42	1,310	1,185
WEST NORTH CENTRAL:					Portland, Oreg.-----	111	102	4,213	4,186
Des Moines, Iowa-----	46	47	2,089	2,038	Sacramento, Calif.-----	57	74	2,217	2,088
Duluth, Minn.-----	24	14	960	937	San Diego, Calif.-----	75	101	3,421	3,093
Kansas City, Kans.-----	39	36	1,327	1,359	San Francisco, Calif.-----	204	231	7,539	7,403
Kansas City, Mo.-----	107	73	4,809	4,565	San Jose, Calif.-----	(28)	(33)	(1,319)	(959)
Lincoln, Nebr.-----	(23)	(21)	(990)	(979)	Seattle, Wash.-----	140	151	5,267	5,103
Minneapolis, Minn.-----	109	128	4,731	4,695	Spokane, Wash.-----	50	35	1,794	1,874
Omaha, Nebr.-----	75	47	2,805	2,694	Tacoma, Wash.-----	47	37	1,574	1,551

¹Revised.

²Estimated.

³Includes estimate for current week.

EPIDEMIOLOGICAL REPORTS--Continued

average of 10 hours later. A survey of the foods eaten and not eaten by the cases indicated roast beef and gravy was the probable contaminated food. No food samples were available for laboratory examination. The roast beef was cooked 2 days preceding the dinner, then was refrigerated until reheated on the morning of the dinner.

QUARANTINE MEASURES

Immunization Information for International Travel
Public Health Service Publication No. 384 (1960)

Changes Reported

Cholera Vaccination

It is recommended that all persons going to countries of Asia have a valid certificate of vaccination against Cholera. The disease is epidemic in India and West Pakistan and has spread into Afghanistan. It has been reported that other countries of Asia are enforcing the requirement of a valid certificate for all persons who have either visited or transited the infected areas. The recommendation does not apply to persons traveling by way of the Pacific to Japan, the Philippines, Australia, and islands of the Pacific (East of 135° E. Longitude), and returning by the same route to the United States.

America.—Jamaica. Page 27. Smallpox vaccination is required of all arrivals except from Aruba, Bahamas, Bermuda, British Virgin Islands, Canada, Cuba, Curacao, and the United States. All other information remains the same.

Asia.—Pakistan. Page 47. Cholera vaccination is required of all arrivals coming from infected areas in India and Afghanistan. All other information remains the same.

Europe.—Germany (Federal Republic). Page 54. Delete previous information and insert: Smallpox vaccination is required of all arrivals from infected areas, and arrivals by air from Asia, Africa, and North and South America, except Canada and the United States.

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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