

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 November 21, 1959

Twenty-one cases of diphtheria were reported in Georgia for the week ended November 21.

For the current week, 170 cases of poliomyelitis were reported; of these, 120 were paralytic and 28 nonparalytic cases. For the preceding week the total was 187 cases, of which 143 were paralytic, and for the week ended November 22, 1958, the total was 132, including 86 paralytic cases.

The Maine Communicable Disease Report for the week ended November 14 states that 53 cases of paralytic poliomyelitis have occurred in Aroostook County. This is more than two-thirds the total for the State. Of the 53 cases, 14 have been in children under 5 years of age and 15 in children in the age group 5 to 9 years. Thirteen of the victims had received 3 inoculations of vaccine and 1 person 4 inoculations. Nine of those with 3 inoculations had received their last one prior to 1958.

EPIDEMIOLOGICAL REPORTS

Pneumonic plague

A delayed report of a case of laboratory-acquired pneumonic plague has been received by the Maryland State Department of Health. The infection occurred in a 22-year-old male technician employed in a chemical laboratory in Frederick. The case was reported following extensive studies of the organism, which was isolated from the patient. He has fully recovered.

Psittacosis

The California State Department of Public Health has supplied information on 5 unrelated cases of psittacosis. Two of the cases were in women exposed to parakeets in their

Continued on page 2

Table 1. Cases of Specified Notifiable Diseases: Continental United States

(See page 8 for source and nature of data)

DISEASE (Seventh Revision of International Lists, 1955)	46th WEEK			CUMULATIVE NUMBER						Approximate seasonal low point
	Ended Nov. 21, 1959	Ended Nov. 22, 1958	Median 1954-58	First 46 weeks			Since seasonal low week			
				1959	1958	Median 1954-58	1958-59	1957-58	Median 1953-54 to 1957-58	
Anthrax-----062	-	2	-	12	15	19	(1)	(1)	(1)	(1)
Botulism-----049.1	-	-	-	21	4	11	(1)	(1)	(1)	(1)
Brucellosis (undulant fever)-----044	8	9	20	649	721	984	(1)	(1)	(1)	(1)
Diphtheria-----055	33	47	47	779	744	1,295	391	422	554	July 1
Encephalitis, infectious-----082	37	44	33	1,990	2,159	1,761	1,409	1,565	1,205	June 1
Hepatitis, infectious, and serum-----092, #998.5 pt.	583	359	359	19,972	13,612	16,975	5,194	3,531	3,531	Sept. 1
Malaria-----110-117	-	3	3	67	69	222	(1)	(1)	(1)	(1)
Measles-----085	2,727	3,716	2,503	378,584	727,501	575,934	16,299	22,757	17,084	Sept. 1
Meningococcal infections-----057	40	54	78	1,993	2,295	2,361	429	575	578	Sept. 1
Meningitis, other-----340	2106	95	-	4,959	3,955	-	-	-	-	-
Poliomyelitis-----080	170	132	164	8,068	5,528	14,738	7,800	5,341	13,759	Apr. 1
Paralytic-----080.0, 080.1	120	86	86	5,268	2,797	6,342	5,081	2,694	5,811	Apr. 1
Nonparalytic-----080.2	28	25	52	2,122	1,917	5,712	2,077	1,858	5,450	Apr. 1
Unspecified-----080.3	22	21	31	678	814	2,684	642	789	2,498	Apr. 1
Psittacosis-----096.2	7	3	3	103	131	250	(1)	(1)	(1)	(1)
Rabies in man-----094	-	1	-	4	5	5	(1)	(1)	(1)	(1)
Typhoid fever-----040	20	28	22	787	970	1,556	663	804	1,266	Apr. 1
Typhus fever, endemic-----101	2	1	2	43	65	109	37	54	85	Apr. 1
Rabies in animals-----	84	72	72	3,460	4,092	4,184	601	505	532	Oct. 1

¹Data show no pronounced seasonal change in incidence.

²Includes 42 cases of aseptic meningitis; see footnotes to table 2.

EPIDEMIOLOGICAL REPORTS—Continued

homes. One woman suffered from fever, headache resembling viral influenza, slight cough, and pneumonitis. A 4-fold rise in antibody titer was demonstrated by complement-fixation tests. The other woman was ill with fever, weakness, dry cough, and substernal chest pain on respiration. Complement-fixation tests showed a rise in antibody titer from 1:32 to 1:64. The birds tested were negative. Two of the cases were in males working with birds. One man was an animal keeper at an experimental laboratory and cleaned bird cages and fed doves. One complement-fixation test gave a titer of 1:64. Doves were found to be positive for psittacosis. The other man was exposed to numerous pet pigeons. Tests 13 days apart gave a rise in titer from 1:32 to 1:128. Ten pigeons were examined and found negative. The fifth case occurred in a 21-year-old girl working with psittacosis in a laboratory. She suffered headache, chilly sensations, fever, and showed evidence of pneumonitis. One complement-fixation test gave a titer of 1:8.

Staphylococcal food poisoning

Dr. Josef Preizler, Wisconsin State Board of Health, reported that 46 visitors at the Wisconsin State Fair became ill with nausea and vomiting from 3 to 4 hours after eating in a restaurant. The illness attack rate for turkey gravy was 92 percent, and it was 80 percent for mashed potatoes. Other foods—turkey, ham, roast beef, dressing, green salad, and cottage cheese—had much lower attack rates. The gravy was prepared from a stock made from boiled turkey bones. It was boiled for 1½ hours and then kept in a container in a steamtable for several hours until serving began at noon. Cultures of specimens obtained from the throats of 9 of 15 restaurant employees revealed coagulase-positive staphylococci. Four of these 9 employees also had skin lesions infected with coagulase-positive staphylococci. The following phage types of staphylococci were identified: phage type 7 from throats of 5 employees, including a cook; and from samples of turkey, ham, and roast beef handled by the cook. The other 4 employees had staphylococci which were nontypable by human phages. Three of these 4 persons also had skin lesions. Organisms of phage type 7 were cultured from lesions on 2 dishwashers, and type 7/52/52a/79/80/81 from lesions on a sandwich maker. Egg salad and ham sandwiches prepared by the sandwich maker contained staphylococci of the same phage type. Pots and pans examined after washing were contaminated with phage type 7 cocci, the same as were recovered from the lesions on the dishwashers. The mashed potatoes gave a growth of phage type 77 staphylococci and the turkey gravy was contaminated with type 7/44a/47/53/54/73/75/77/81/83 coagulase-positive staphylococci. Enterotoxin formation was demonstrated only for the staphylococci cultured from the turkey gravy.

During the course of this investigation, 3 State Fair employees reported sick with nausea and vomiting 3 hours after eating ham sandwiches prepared with ham purchased outside the fairgrounds. Coagulase-positive, phage type 77, staphylococci were recovered from the leftover ham at this outside source. This organism was proven to form enterotoxin. No connection could be established between this episode and the mashed potatoes of the outbreak above.

Gastroenteritis

Dr. P. C. Supan, Effingham County (Illinois) Health Officer, reported an outbreak of gastroenteritis among persons attending a dinner served by a church society. There were 1,350 meals served, and about 80 persons became ill from 9 to 11 hours

after eating. Common symptoms were abdominal cramps and diarrhea. No nausea, vomiting, nor fever were reported. The food was prepared by a group of 30 women. The preparation was under the direction of a woman who is experienced in preparing food in large quantities for such events. Laboratory reports on food samples stated that there was no growth of organisms for cranberry sauce, turkey, nor brown gravy. Cultures of turkey dressing, mashed potatoes, boiled potatoes, pumpkin pie, green beans, turkey broth, corn, and new dressing were overgrown with contaminants. The milk served was pasteurized. No specific organism could be identified as the causative factor in the outbreak. It was thought that the foods were improperly refrigerated due to overloading of the refrigerator and to the storage of the dressing and turkey broth in containers too large to permit adequate cooling.

Dr. Milton Tully, New York State District Health Officer, reported the occurrence of 36 cases of gastroenteritis among about 600 persons served an evening meal at a college. The suspect food was a tuna-fish-macaroni-mushroom dish. In the preparation of this dish, a previously opened can of mushrooms was used. After the mushrooms were added, the mixture was allowed to remain at room temperature for about 2 or 3 hours prior to cooking. At the time of serving, 2 pans of the food item were discarded because they appeared abnormal. Smaller pans of food which had no odor and no abnormal taste were served. An interim laboratory report indicated that the dish of tuna-fish, macaroni, and mushrooms contained what appeared to be "green streptococci" and these organisms were found also in stool specimens from several patients.

Dr. W. R. Gledt, Washington State Department of Health, supplied information on a number of instances of "food poisoning" which were investigated by Dr. R. T. Ravenholt and Miss M. L. Johnson, Seattle-King County Health Department, during October. The reports concerned a number of apparently isolated incidents with findings in most instances not amenable to fuller investigation. Each of the episodes involved only a few persons or single individuals. Except for suspect meals eaten in a private club and at a hotel banquet, the suspect foods were eaten in private homes or restaurants. Suspect foods included poultry meat, other meats, cream pie, apple pie, chip dip, scallops, custard, sour cream, ice cream, olives, potato salad, and chicken salad.

Four reports of food poisoning of undetermined etiology were received from the California State Department of Public Health. One outbreak occurred in a sorority house. Twenty-nine persons became ill from 4 to 15½ hours after an evening meal. The suspect food was thought to be roast turkey. Samples of all foods served at the meal except a vegetable were examined in the laboratory and found to be negative for pathogenic organisms. Specimens from foodhandlers and some of the patients were also reported as negative. Another report stated that 3 persons became ill with nausea and diarrhea 8 hours after eating roast beef in a cafe. Laboratory results of tests on the next day's supply of roast beef were not available. There were no positive specimens from foodhandlers or from 1 patient.

Two reports were about illnesses following the ingestion of food in private homes. Three persons became ill 3 hours after eating fish—sea bass—and baked potatoes. No specimens were obtained for examination. It was reported that the fish purchased in a seafood market resembled shark meat. The other report listed sirloin steak and commercial barbecue sauce as the suspect vehicle. The sauce was purchased from a

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, HAWAII,
AND PUERTO RICO, FOR WEEKS ENDED NOVEMBER 22, 1958, AND NOVEMBER 21, 1959

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

AREA	BRUCELLOSIS (undulant fever)		DIPHTHERIA 055				ENCEPHALITIS, INFECTIOUS		HEPATITIS, INFECTIOUS, AND SERUM 092, N998.5 pt.			
	044		46th week		Cumulative first 46 weeks		082		46th week		Cumulative first 46 weeks	
	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958
CONT. UNITED STATES-----	8	9	33	47	779	744	37	44	583	359	19,972	13,612
NEW ENGLAND-----	-	-	-	2	5	8	2	-	19	24	662	545
Maine-----	-	-	-	-	-	-	-	-	1	2	89	67
New Hampshire-----	-	-	-	-	-	-	-	-	-	-	15	2
Vermont-----	-	-	-	-	-	-	-	-	3	1	26	27
Massachusetts-----	-	-	-	2	5	7	1	-	10	11	332	275
Rhode Island-----	-	-	-	-	-	-	-	1	2	1	67	67
Connecticut-----	-	-	-	-	-	1	-	-	3	9	133	107
MIDDLE ATLANTIC-----	-	1	1	-	49	34	10	3	46	63	2,925	1,868
New York-----	-	1	-	-	25	16	9	-	29	32	1,735	1,257
New Jersey-----	-	-	1	-	10	2	-	1	4	4	308	151
Pennsylvania-----	-	-	-	-	14	16	1	2	13	27	882	460
EAST NORTH CENTRAL-----	2	-	1	-	31	38	6	8	82	48	3,101	2,283
Ohio-----	-	-	-	-	11	8	1	1	19	9	891	709
Indiana-----	-	-	-	-	4	14	3	1	14	6	289	205
Illinois-----	2	-	-	-	10	9	1	6	22	13	697	559
Michigan-----	-	-	1	-	4	6	1	-	22	16	1,026	605
Wisconsin-----	-	-	-	-	2	1	-	-	5	4	198	205
WEST NORTH CENTRAL-----	4	3	-	6	55	111	4	4	38	19	1,544	1,136
Minnesota-----	-	-	-	6	22	51	-	-	7	4	384	171
Iowa-----	2	1	-	-	3	14	-	-	7	7	137	196
Missouri-----	-	-	-	-	6	14	-	-	6	3	394	224
North Dakota-----	-	-	-	-	2	3	-	-	12	3	328	214
South Dakota-----	-	-	-	-	3	17	-	-	-	-	61	16
Nebraska-----	2	1	-	-	19	10	1	-	2	2	80	81
Kansas-----	-	1	-	-	-	2	3	4	4	-	160	234
SOUTH ATLANTIC-----	1	1	23	27	250	253	7	2	42	27	1,790	1,063
Delaware-----	1	-	-	-	-	3	-	-	4	-	118	52
Maryland-----	-	-	-	-	7	2	4	-	6	9	363	147
District of Columbia-----	-	-	-	-	-	27	1	-	1	-	18	19
Virginia-----	-	-	-	3	12	15	2	1	11	6	444	255
West Virginia-----	-	-	-	-	3	25	-	-	8	3	286	141
North Carolina-----	-	-	-	1	23	34	-	1	2	2	111	59
South Carolina-----	-	-	-	2	28	72	-	-	3	-	50	39
Georgia-----	-	1	21	16	101	60	-	-	1	-	121	128
Florida-----	-	-	2	5	76	15	-	-	6	7	279	223
EAST SOUTH CENTRAL-----	-	1	2	4	98	78	-	5	106	23	2,032	1,127
Kentucky-----	-	-	-	1	9	5	-	3	88	14	1,020	552
Tennessee-----	-	-	-	-	8	8	-	1	8	3	443	297
Alabama-----	-	-	1	2	39	37	-	-	10	6	421	199
Mississippi-----	-	1	1	1	42	28	-	1	-	-	148	79
WEST SOUTH CENTRAL-----	-	1	6	7	257	167	2	12	57	22	1,608	1,054
Arkansas-----	-	-	-	2	37	34	1	-	1	-	78	96
Louisiana-----	-	1	5	-	83	61	-	-	-	-	112	12
Oklahoma-----	-	-	-	-	3	22	1	-	24	1	235	144
Texas-----	-	-	1	5	134	50	-	12	32	21	1,183	802
MOUNTAIN-----	-	-	-	1	19	42	-	2	80	71	2,587	1,873
Montana-----	-	-	-	-	-	8	-	-	11	12	228	370
Idaho-----	-	-	-	-	-	1	-	-	16	15	328	186
Wyoming-----	-	-	-	-	-	2	-	-	-	-	55	17
Colorado-----	-	-	1	-	7	12	-	1	13	11	775	272
New Mexico-----	-	-	-	-	8	16	-	-	8	22	461	313
Arizona-----	-	-	-	-	2	3	-	-	15	6	517	444
Utah-----	-	-	-	-	-	-	-	1	17	4	201	169
Nevada-----	-	-	-	-	2	-	-	-	-	1	22	102
PACIFIC-----	1	2	-	-	15	13	6	8	113	62	3,723	2,663
Alaska-----	-	-	-	-	5	-	-	-	-	-	68	(72)
Washington-----	-	1	-	-	-	-	-	-	14	9	501	419
Oregon-----	-	-	-	-	4	8	-	1	45	13	790	405
California-----	1	1	-	-	6	5	6	7	54	40	2,364	1,839
Hawaii-----	-	-	-	-	2	-	-	-	3	5	46	63
Puerto Rico-----	-	-	-	2	27	46	-	-	12	16	278	153

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED NOVEMBER 22, 1958, AND NOVEMBER 21, 1959—Continued

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

AREA	POLIOMYELITIS 080										MEASLES	
	Total ¹				Paralytic 080.0,080.1				Nonparalytic		085	
	46th week		Cumulative first 46 weeks		46th week		Cumulative first 46 weeks		080.2		085	
	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958
CONT. UNITED STATES-----	170	132	8,068	5,528	120	86	5,268	2,797	28	25	2,727	3,716
NEW ENGLAND-----	17	1	368	90	9	-	279	55	3	-	249	417
Maine-----	3	-	71	4	3	-	71	4	-	-	17	9
New Hampshire-----	-	-	5	4	-	-	4	-	-	-	-	22
Vermont-----	1	-	9	6	-	-	7	5	1	-	52	74
Massachusetts-----	9	-	153	30	3	-	108	14	1	-	155	108
Rhode Island-----	-	-	10	3	-	-	7	3	-	-	-	12
Connecticut-----	4	1	120	43	3	-	82	29	1	-	25	192
MIDDLE ATLANTIC-----	25	14	779	664	17	2	512	358	4	7	163	766
New York-----	19	3	475	276	13	1	292	167	2	1	112	105
New Jersey-----	2	5	134	280	1	-	89	108	1	1	25	210
Pennsylvania-----	4	6	170	108	3	1	131	83	1	5	26	451
EAST NORTH CENTRAL-----	19	34	1,215	1,990	10	19	529	755	5	8	632	422
Ohio-----	3	6	267	373	1	3	119	109	-	-	74	110
Indiana-----	2	5	152	128	1	3	99	71	-	1	-	39
Illinois-----	5	6	302	233	3	3	154	83	1	2	268	62
Michigan-----	8	17	443	1,196	4	10	131	466	4	5	114	109
Wisconsin-----	1	-	51	60	1	-	26	26	-	-	176	102
WEST NORTH CENTRAL-----	19	12	1,527	371	16	10	806	190	2	2	61	326
Minnesota-----	4	1	241	31	4	1	196	24	-	-	15	6
Iowa-----	5	4	452	67	3	3	202	23	1	1	3	193
Missouri-----	4	7	489	154	3	6	267	111	1	1	-	31
North Dakota-----	3	-	16	41	3	-	9	23	-	-	41	88
South Dakota-----	-	-	13	13	-	-	-	1	-	-	1	7
Nebraska-----	-	-	134	34	-	-	69	4	-	-	1	1
Kansas-----	3	-	182	31	3	-	63	4	-	-	(*)	(*)
SOUTH ATLANTIC-----	24	17	1,227	791	19	14	971	441	5	2	87	539
Delaware-----	-	-	9	23	-	-	7	14	-	-	4	2
Maryland-----	-	2	39	25	-	1	38	20	-	1	18	25
District of Columbia-----	-	-	6	5	-	-	5	3	-	-	2	-
Virginia-----	8	5	288	143	8	5	246	121	-	-	31	102
West Virginia-----	2	4	187	193	2	4	155	122	-	-	3	154
North Carolina-----	9	1	276	95	7	-	231	35	2	1	10	64
South Carolina-----	-	-	80	26	-	-	44	16	-	-	2	36
Georgia-----	5	-	157	54	2	-	120	30	3	-	3	34
Florida-----	-	5	185	227	-	4	125	80	-	-	14	122
EAST SOUTH CENTRAL-----	16	13	830	345	13	6	631	173	2	2	254	236
Kentucky-----	4	3	101	67	2	3	80	55	2	-	132	124
Tennessee-----	9	3	372	110	8	2	281	47	-	1	109	81
Alabama-----	-	5	242	53	-	-	204	38	-	-	12	30
Mississippi-----	3	2	115	115	3	1	66	33	-	1	1	1
WEST SOUTH CENTRAL-----	13	28	1,109	710	12	24	725	475	1	3	438	213
Arkansas-----	2	2	295	27	2	2	225	25	-	-	2	-
Louisiana-----	6	1	140	76	6	1	98	52	-	-	2	-
Oklahoma-----	3	1	153	57	2	-	86	23	1	-	-	21
Texas-----	2	24	521	550	2	21	316	375	-	3	434	192
MOUNTAIN-----	3	1	189	194	1	1	106	93	1	-	318	366
Montana-----	1	-	7	64	-	-	4	41	-	-	78	113
Idaho-----	-	-	11	12	-	-	-	-	-	-	26	16
Wyoming-----	-	-	2	12	-	-	1	1	-	-	7	1
Colorado-----	1	-	26	20	1	-	18	15	-	-	18	151
New Mexico-----	-	-	41	36	-	-	24	16	-	-	63	18
Arizona-----	1	1	85	34	-	1	52	14	1	-	15	43
Utah-----	-	-	11	11	-	-	4	4	-	-	111	21
Nevada-----	-	-	6	5	-	-	3	2	-	-	-	3
PACIFIC-----	34	12	824	373	23	10	709	257	5	1	525	431
Alaska-----	6	-	26	(2)	-	-	14	(1)	-	-	7	(62)
Washington-----	4	1	200	34	4	-	200	3	-	-	301	76
Oregon-----	8	-	164	37	6	-	127	24	2	-	53	142
California-----	16	11	434	302	13	10	368	230	3	1	164	213
Hawaii-----	-	-	5	75	-	-	5	75	-	-	163	9
Puerto Rico-----	-	-	4	54	-	-	3	51	-	-	42	143

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

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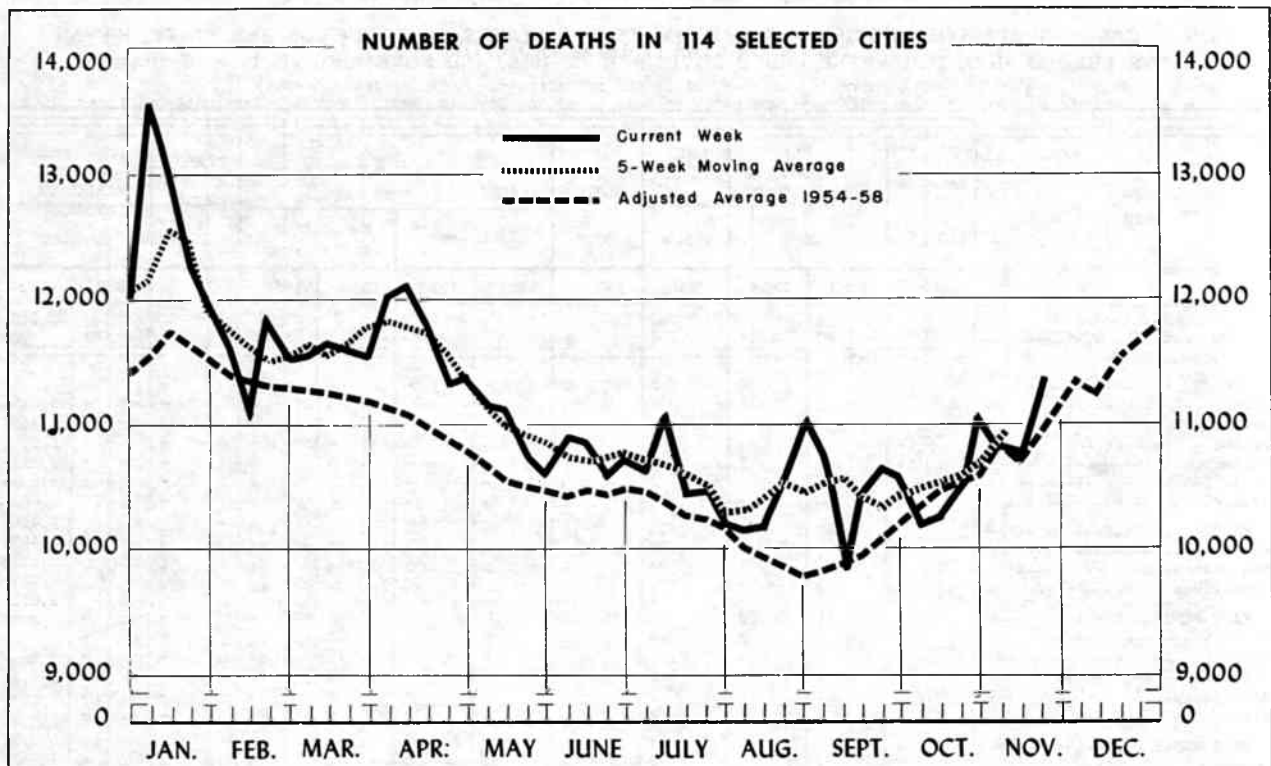
Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED NOVEMBER 22, 1958, AND NOVEMBER 21, 1959--Continued

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

AREA	MALARIA		MENINGOCOCCAL INFECTIONS		MEWINGITIS, OTHER	PSITTACOSIS	TYPHOID FEVER 040				TYPHUS FEVER, ENDEMIC	RABIES IN ANIMALS	
	110-117		057		340	096.2	46th week		Cumulative first 46 weeks		101	1959	1958
	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1959	1958
CONT. UNITED STATES-----	-	40	54		106	7	20	28	787	970	2	84	72
NEW ENGLAND-----	-	1	4		9	1	-	-	15	19	-	-	-
Maine-----	-	1	1	² 4	-	-	-	-	2	2	-	-	-
New Hampshire-----	-	-	-	-	-	-	-	-	-	1	-	-	-
Vermont-----	-	-	-	-	² 1	-	-	-	-	-	-	-	-
Massachusetts-----	-	-	3	-	2	-	-	-	5	9	-	-	-
Rhode Island-----	-	-	-	-	2	-	-	-	3	1	-	-	-
Connecticut-----	-	-	-	-	-	1	-	-	5	6	-	-	-
MIDDLE ATLANTIC-----	-	10	10		10	4	5	2	84	102	-	20	9
New York-----	-	5	5	³ 8	-	-	-	-	35	33	-	20	8
New Jersey-----	-	3	4	² 2	-	1	2	-	13	24	-	-	-
Pennsylvania-----	-	2	1	-	-	4	4	-	36	45	-	-	1
EAST NORTH CENTRAL-----	-	11	22		30	1	5	3	103	101	-	4	4
Ohio-----	-	-	3	-	6	1	2	-	51	37	-	-	-
Indiana-----	-	1	-	-	7	-	2	2	17	18	-	-	1
Illinois-----	-	6	4	⁴ 12	-	-	1	-	21	22	-	-	1
Michigan-----	-	4	12	-	5	-	1	-	8	14	-	4	1
Wisconsin-----	-	-	3	-	-	-	-	-	6	10	-	-	1
WEST NORTH CENTRAL-----	-	6	1		3	-	1	1	48	73	-	17	24
Minnesota-----	-	-	-	-	² 2	-	-	-	1	3	-	6	9
Iowa-----	-	1	-	-	² 1	-	-	-	9	14	-	5	3
Missouri-----	-	4	-	-	-	-	1	1	18	35	-	6	1
North Dakota-----	-	-	-	-	-	-	-	-	5	2	-	-	-
South Dakota-----	-	-	-	-	-	-	-	-	3	7	-	-	10
Nebraska-----	-	1	-	-	-	-	-	-	5	2	-	-	1
Kansas-----	-	-	1	-	-	-	-	-	7	10	-	-	-
SOUTH ATLANTIC-----	-	4	1		12	-	2	1	133	164	1	7	13
Delaware-----	-	-	-	-	2	-	1	-	3	5	-	-	-
Maryland-----	-	-	-	-	3	-	-	-	5	11	-	-	-
District of Columbia-----	-	-	-	-	2	-	-	-	4	6	-	-	-
Virginia-----	-	2	1	-	3	-	-	-	28	36	-	3	4
West Virginia-----	-	-	-	-	1	-	1	-	15	21	-	2	2
North Carolina-----	-	1	-	-	-	-	-	1	11	19	-	-	-
South Carolina-----	-	-	-	-	-	-	-	-	11	12	-	1	1
Georgia-----	-	1	-	-	-	-	-	-	28	32	1	1	6
Florida-----	-	-	-	² 1	-	-	-	-	28	22	-	-	-
EAST SOUTH CENTRAL-----	-	1	5		8	-	1	2	113	117	-	8	7
Kentucky-----	-	1	1	-	4	-	1	2	19	36	-	2	5
Tennessee-----	-	-	1	-	2	-	-	-	57	34	-	4	1
Alabama-----	-	-	3	-	-	-	-	-	21	19	-	2	1
Mississippi-----	-	-	-	-	2	-	-	-	16	28	-	-	-
WEST SOUTH CENTRAL-----	-	3	7		8	-	5	5	168	223	1	23	12
Arkansas-----	-	2	2	-	-	-	3	2	35	29	-	6	7
Louisiana-----	-	-	1	-	-	-	-	-	25	79	-	1	1
Oklahoma-----	-	-	1	-	1	-	-	-	17	11	-	-	-
Texas-----	-	1	3	-	7	-	2	3	91	104	1	16	4
MOUNTAIN-----	-	2	2		2	-	1	1	41	75	-	1	-
Montana-----	-	-	-	-	-	-	-	-	2	4	-	-	-
Idaho-----	-	1	-	-	-	-	1	-	6	7	-	-	-
Wyoming-----	-	-	-	-	-	-	-	-	7	4	-	-	-
Colorado-----	-	1	-	-	1	-	-	-	4	9	-	1	-
New Mexico-----	-	-	-	-	-	-	-	1	15	32	-	-	-
Arizona-----	-	-	2	-	1	-	-	-	6	11	-	-	-
Utah-----	-	-	-	-	-	-	-	-	1	-	-	-	-
Nevada-----	-	-	-	-	-	-	-	-	-	8	-	-	-
PACIFIC-----	-	2	2		24	1	-	13	82	96	-	4	3
Alaska-----	-	-	-	-	-	-	-	-	4	-	-	-	-
Washington-----	-	2	-	-	3	-	-	-	2	3	-	-	-
Oregon-----	-	-	-	-	1	-	-	1	7	13	-	-	-
California-----	-	-	2	² 0	-	1	-	12	69	80	-	4	3
Hawaii-----	-	-	-	-	-	-	-	-	2	-	-	-	-
Puerto Rico-----	-	-	1	-	-	-	1	-	-	-	-	1	-

²Aseptic meningitis.
³Includes 5 cases of aseptic meningitis.
⁴Includes 8 cases of aseptic meningitis.

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The chart shows the number of deaths reported for 114 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, 1954-58, for comparison. The adjusted average is computed as follows: From the total deaths reported each week for the years 1954-58, 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 2.3 percent to allow for estimated population growth in the cities.

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 a specified city. 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 made for use in plotting the figure in the chart.

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 114 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	46th week ended Nov. 21, 1959	45th week ended Nov. 14, 1959	Adjusted average, 46th week 1954-58	Percent change, adjusted average to current week ¹	CUMULATIVE NUMBER FIRST 46 WEEKS		
					1959	1958	Percent change
TOTAL, REPORTING CITIES-----	11,381	10,747	10,937	+4.1	510,348	507,195	+0.6
New England----- (14 cities)	673	708	709	-5.1	32,255	32,048	+0.6
Middle Atlantic----- (20 cities)	3,240	2,996	3,197	+1.3	147,134	146,253	+0.6
East North Central----- (19 cities)	2,438	2,379	2,359	+3.3	109,302	108,258	+1.0
West North Central----- (9 cities)	806	765	804	+0.2	35,566	35,898	-0.9
South Atlantic----- (11 cities)	974	939	908	+7.3	43,862	43,742	+0.3
East South Central----- (8 cities)	525	448	498	+5.4	25,432	25,683	-1.1
West South Central----- (13 cities)	1,010	946	886	+14.0	43,049	43,060	-0.0
Mountain----- (8 cities)	316	256	271	+16.6	14,254	13,571	+5.0
Pacific----- (12 cities)	1,399	1,310	1,343	+4.2	61,494	60,672	+1.4

¹Adjusted average used as base.

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Table 4. DEATHS IN SELECTED CITIES

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

AREA	46th week ended Nov. 21, 1959	45th week ended Nov. 14, 1959	CUMULATIVE NUMBER FIRST 46 WEEKS		AREA	46th week ended Nov. 21, 1959	45th week ended Nov. 14, 1959	CUMULATIVE NUMBER FIRST 46 WEEKS	
			1959	1958				1959	1958
NEW ENGLAND:					WEST NORTH CENTRAL—Con.:				
Boston, Mass.-----	218	242	10,986	10,980	St. Louis, Mo.-----	262	247	10,812	11,185
Bridgeport, Conn.-----	37	38	1,799	1,725	St. Paul, Minn.-----	56	62	2,982	3,224
Cambridge, Mass.-----	25	22	1,294	1,322	Wichita, Kans.-----	53	37	2,164	2,056
Fall River, Mass.-----	26	22	1,284	1,243	SOUTH ATLANTIC:				
Hartford, Conn.-----	18	48	2,240	2,303	Atlanta, Ga.-----	117	100	5,067	5,025
Lowell, Mass.-----	25	23	1,079	1,157	Baltimore, Md.-----	251	205	11,029	11,149
Lynn, Mass.-----	19	28	1,064	1,018	Charlotte, N. C.-----	36	59	1,690	1,612
New Bedford, Mass.-----	34	26	1,121	1,048	Jacksonville, Fla.-----	62	44	2,605	2,721
New Haven, Conn.-----	52	40	2,046	2,118	Miami, Fla.-----	70	51	3,176	3,231
Providence, R. I.-----	46	62	2,933	2,945	Norfolk, Va.-----	30	40	1,792	1,603
Somerville, Mass.-----	21	16	597	647	Richmond, Va.-----	77	84	3,550	3,414
Springfield, Mass.-----	51	52	2,035	1,913	Savannah, Ga.-----	35	29	1,504	1,495
Waterbury, Conn.-----	20	32	1,269	1,199	St. Petersburg, Fla.-----	(60)	(66)	(2,945)	(2,922)
Worcester, Mass.-----	51	57	2,508	2,430	Tampa, Fla.-----	53	42	2,826	2,917
MIDDLE ATLANTIC:					Washington, D. C.-----	211	254	8,904	8,871
Albany, N. Y.-----	48	43	2,313	2,267	Wilmington, Del.-----	32	31	1,719	1,704
Allentown, Pa.-----	31	27	1,570	1,486	EAST SOUTH CENTRAL:				
Buffalo, N. Y.-----	151	158	6,655	6,827	Birmingham, Ala.-----	64	95	3,770	3,983
Camden, N. J.-----	33	45	1,878	1,680	Chattanooga, Tenn.-----	45	37	2,105	2,179
Elizabeth, N. J.-----	31	33	1,382	1,344	Knoxville, Tenn.-----	31	19	1,304	1,227
Erie, Pa.-----	35	32	1,687	1,636	Louisville, Ky.-----	121	103	5,175	5,022
Jersey City, N. J.-----	78	60	3,320	3,187	Memphis, Tenn.-----	103	96	5,146	5,271
Newark, N. J.-----	96	116	4,589	4,347	Mobile, Ala.-----	53	42	1,778	1,746
New York City, N. Y.-----	1,550	1,563	75,356	74,033	Montgomery, Ala.-----	33	15	1,498	1,542
Paterson, N. J.-----	41	32	1,776	1,863	Nashville, Tenn.-----	75	41	2,656	2,713
Philadelphia, Pa.-----	556	422	22,317	22,832	WEST SOUTH CENTRAL:				
Pittsburgh, Pa.-----	236	130	8,478	8,690	Austin, Tex.-----	47	31	1,476	1,466
Reading, Pa.-----	20	20	999	971	Baton Rouge, La.-----	33	43	1,267	1,262
Rochester, N. Y.-----	112	93	4,454	4,612	Corpus Christi, Tex.-----	15	25	955	970
Schenectady, N. Y.-----	32	22	1,141	1,048	Dallas, Tex.-----	125	106	5,413	5,269
Scranton, Pa.-----	35	31	1,667	1,606	El Paso, Tex.-----	36	36	1,665	1,667
Syracuse, N. Y.-----	50	73	2,866	2,861	Fort Worth, Tex.-----	57	69	2,885	2,762
Trenton, N. J.-----	54	44	1,960	2,118	Houston, Tex.-----	178	173	7,110	7,184
Utica, N. Y.-----	23	34	1,293	1,400	Little Rock, Ark.-----	52	53	2,440	2,509
Yonkers, N. Y.-----	28	18	1,433	1,400	New Orleans, La.-----	181	167	7,746	7,929
EAST NORTH CENTRAL:					Oklahoma City, Okla.-----	81	69	3,210	3,076
Akron, Ohio-----	47	49	2,656	2,590	San Antonio, Tex.-----	101	84	4,331	4,437
Canton, Ohio-----	33	37	1,537	1,416	Shreveport, La.-----	51	35	2,321	2,240
Chicago, Ill.-----	824	739	34,547	34,394	Tulsa, Okla.-----	53	55	2,230	2,289
Cincinnati, Ohio-----	169	135	7,249	7,350	MOUNTAIN:				
Cleveland, Ohio-----	198	216	9,558	9,517	Albuquerque, N. Mex.-----	26	26	1,361	1,292
Columbus, Ohio-----	106	154	5,404	5,273	Colorado Springs, Colo.-----	18	13	718	701
Dayton, Ohio-----	70	76	3,106	3,267	Denver, Colo.-----	108	74	5,225	5,131
Detroit, Mich.-----	297	334	14,982	14,571	Ogden, Utah-----	12	14	687	667
Evansville, Ind.-----	39	43	1,679	1,733	Phoenix, Ariz.-----	50	51	2,326	2,068
Flint, Mich.-----	32	47	1,833	1,726	Pueblo, Colo.-----	14	15	638	600
Fort Wayne, Ind.-----	35	46	1,667	1,610	Salt Lake City, Utah-----	50	42	2,220	2,195
Gary, Ind.-----	31	23	1,359	1,436	Tucson, Ariz.-----	38	21	1,079	917
Grand Rapids, Mich.-----	44	39	1,932	1,851	PACIFIC:				
Indianapolis, Ind.-----	153	116	6,316	5,948	Berkeley, Calif.-----	14	21	775	851
Madison, Wis.-----	(29)	(38)	(1,370)	(1,499)	Fresno, Calif.-----	(46)	(51)	(1,857)	(1,845)
Milwaukee, Wis.-----	143	119	5,862	6,009	Glendale, Calif.-----	(31)	(33)	(1,657)	(1,491)
Peoria, Ill.-----	35	32	1,346	1,472	Long Beach, Calif.-----	57	56	2,482	2,507
Rockford, Ill.-----	(30)	(23)	(1,261)	(1,203)	Los Angeles, Calif.-----	477	449	22,020	22,074
South Bend, Ind.-----	36	38	1,271	1,224	Oakland, Calif.-----	96	104	4,163	4,245
Toledo, Ohio-----	97	82	4,546	4,462	Pasadena, Calif.-----	36	31	1,448	1,580
Youngstown, Ohio-----	49	54	2,452	2,419	Portland, Oreg.-----	99	79	4,998	4,580
WEST NORTH CENTRAL:					Sacramento, Calif.-----	67	54	2,539	2,566
Des Moines, Iowa-----	49	60	2,447	2,484	San Diego, Calif.-----	79	90	3,752	3,774
Duluth, Minn.-----	22	22	1,154	1,144	San Francisco, Calif.-----	257	193	8,922	8,621
Kansas City, Kans.-----	37	35	1,635	1,328	San Jose, Calif.-----	(20)	(33)	(1,177)	(1,036)
Kansas City, Mo.-----	126	130	5,502	5,540	Seattle, Wash.-----	141	134	6,278	6,172
Lincoln, Nebr.-----	(41)	(21)	(1,208)	(1,143)	Spokane, Wash.-----	36	57	2,265	2,098
Minneapolis, Minn.-----	118	97	5,605	5,751	Tacoma, Wash.-----	40	42	1,852	1,804
Omaha, Nebr.-----	83	75	3,265	3,186	Honolulu, Hawaii-----	(37)	(45)	(1,742)	(1,679)

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EPIDEMIOLOGICAL REPORTS—Continued

delicatessen which received gallon bottles of the sauce from the manufacturer. A stock bottle of sauce from the producer was examined and no pathogenic organisms were found.

QUARANTINE MEASURES

Immunization Information for International Travel
Public Health Service Publication No. 384 (1959)

Changes Reported

Africa.—Angola (p. 21). Yellow fever vaccination is recommended instead of required of all arrivals from endemic areas. All other information remains the same.

Africa.—Seychelles (p. 25). Yellow fever vaccination is required of all arrivals from infected areas instead of endemic areas. All other information remains the same.

Africa.—Uganda (p. 27). Cholera vaccination is required of all arrivals from infected areas, 1 year of age and over. Yellow fever vaccination is required of all arrivals from infected areas and for those leaving the country, 1 year of age and over. All other information remains the same.

Page 60 - Information concerning the Yellow Fever Vaccination Center located at the Henry Ford Hospital, Preventive Medicine Clinic, 2799 West Grand Boulevard, should be corrected to read: Monday-Friday, 8 a.m. to 3 p.m., by appointment only. All other information remains the same.

Page 62 - The telephone number of the Yellow Fever Vaccination Center located at the Dayton Division of Health, Municipal Building, Room 408, Dayton, Ohio, should be: BA 2-3441, exts. 381 and 382. All other information remains the same.

SOURCE AND NATURE OF MORBIDITY DATA

These provisional data are based on reports to the Public Health Service from health departments of each State and of Hawaii and Puerto Rico. They give the total number of cases of certain communicable diseases reported during the week usually ended the preceding Saturday. Cumulative totals are routinely revised to include corrected and revised figures and delayed reports. In table 1, data for Alaska are included for 1959 but not for prior years. In table 2, total figures for the United States and the Pacific Division include figures for Alaska for 1959 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 (cholera, dengue, plague, louse-borne relapsing fever, smallpox, louse-borne epidemic typhus, and yellow fever) are reported, this will be 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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