

Morbidity and Mortality

Weekly
Report

PUBLIC HEALTH SERVICE

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

Prepared by the

COMMUNICABLE DISEASE CENTER

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Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended February 25, 1961

Influenza - No reports have been received to date of influenza activity within the continental United States. Deaths due to pneumonia and influenza in 108 U. S. cities have remained within the expected limits of normal for the season. The epidemic of A₂ influenza in Great Britain is declining (see International Notes).

Hepatitis - A total of 2,003 cases were reported this week, the highest number for a single week since hepatitis became a nationally reportable disease in 1952. Increases are occurring in all States and geographical

divisions. Cases during 1961 are 128 percent above a comparable eight-week period last year.

Meningococcal Meningitis - Florida includes 10 cases of meningococcal meningitis in its current morbidity telegram. Four are delayed reports from death certificates; three dating back to November and one to January. Six cases, one fatal, are new and five of them reside in two adjacent counties. There is neither apparent association between cases nor geographical localization within the counties. Ages of the cases are as follows: 5 months, 17

Table 1. Cases of Specified Notifiable Diseases: United States

(Cumulative totals include revised and delayed reports through previous week)

Disease (Seventh Revision of International Lists, 1955)	8th Week			Cumulative						Approximate seasonal low point
	Ended Feb. 25, 1961	Ended Feb. 27, 1960	Median 1956-60	First 8 weeks			Since seasonal low week			
				1961	1960	Median 1956-60	1960-61	1959-60	Median 1955-56 to 1959-60	
* Weekly incidence low or sporadic										
--- Data not available										
- Quantity zero										
Anthrax-----062	-	-	*	-	-	*	*	*	*	*
Botulism-----049.1	-	-	*	4	3	*	*	*	*	*
Brucellosis (undulant fever)-----044	11	13	10	67	127	110	*	*	*	*
Diphtheria-----055	16	22	22	155	166	163	735	696	894	July 1
Encephalitis, infectious-----082	24	28	19	171	199	155	171	199	155	Jan. 1
Hepatitis, infectious, and serum-----092, N998.5 pt.	2,003	754	504	13,458	5,882	4,017	28,661	13,756	9,101	Sept. 1
Malaria-----110-117	1	-	*	6	6	*	*	*	*	*
Measles-----095	12,296	10,905	15,242	78,076	72,201	84,826	114,286	108,288	118,383	Sept. 1
Meningitis, aseptic-----340 pt.	22	21	---	184	233	---	184	233	---	Jan. 1
Meningococcal infections-----057	61	71	65	414	448	450	1,068	1,100	1,239	Sept. 1
Polioomyelitis-----080	3	10	26	73	153	170	3,139	8,427	8,427	Apr. 1
Paralytic-----080.0, 080.1	3	10	16	42	111	118	2,151	5,612	5,612	Apr. 1
Nonparalytic-----080.2	-	-	7	14	23	27	637	2,140	2,140	Apr. 1
Unspecified-----080.3	-	-	3	17	19	25	351	675	675	Apr. 1
Psittacosis-----096.2	1	2	*	8	14	*	*	*	*	*
Rabies in man-----094	-	-	*	2	-	*	*	*	*	*
Streptococcal sore throat, including scarlet fever-----050, 051	10,550	9,374	---	74,545	69,003	---	172,197	---	---	Aug. 1
Typhoid fever-----040	14	10	10	67	73	117	769	800	1,129	Apr. 1
Typhus fever, endemic-----101	1	1	*	6	5	*	*	*	*	*
Rabies in animals-----	72	92	95	461	633	715	1,037	1,611	1,611	Oct. 1

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months, 2½ years, 3 years, 10 years, and one unknown. All but one are white. The meningococcus has been isolated from each of the current cases. Typing is not yet completed. During 1961, 33 meningococcal meningitis cases have been reported by Florida which compares with 7 cases one year ago.

(Reported by Dr. James O. Bond, Director, Bureau of Preventive Medicine, Florida State Board of Health.)

Poliomyelitis — Only three cases, all paralytic, are reported this week. This represents a record seasonal low figure. The cases are widely scattered in three States, Massachusetts, Georgia, and California.

EPIDEMIOLOGICAL REPORTS

E. coli diarrhea — Louisiana

An outbreak of diarrhea in which *E. coli* 0111.B₄ has been isolated began on the pediatric ward of a Louisiana hospital in the fall of 1960. During the period December 1, 1960, through January 31, 1961, approximately 125 children developed diarrhea and this particular strain of *E. coli* was isolated from 70 of the patients. Fifteen deaths have occurred for a case fatality rate of 21 percent. The median age of the cases was between 2 and 3 months. Preliminary findings suggest that some of the cases are the result of intra-hospital spread of this organism. This epidemic is significant because it occurred among older infants rather than newborns or prematures as is usually the case with this infection.

(Submitted by Dr. John M. Bruce, Chief, Epidemiology, Louisiana State Board of Health.)

Typhoid Fever — Ohio

This epidemiological report is abstracted from *Disease Control Information*, Volume 3, No. 1, January 31, 1961, prepared by the Division of Communicable Disease, Ohio Department of Health.

In September 1960, a twelve year old boy fell prey to a serious illness that was diagnosed on clinical and serologic grounds as typhoid fever. A morbidity report was filed with the local and State health departments. Initial epidemiologic investigation of this case indicated no contact with any known typhoid fever. However, a systematic interview of each person with whom the child had contact revealed a 40-year-old woman who told a long and complex story of typhoid cases.

In 1953 this woman's teenage daughter was hospitalized for typhoid fever. The case was never reported to health authorities and consequently was never investigated. In 1954 this daughter married and her husband

developed typhoid fever within one month. His case was reported and investigated. When the investigator found the history of his wife's illness, he assumed her to be the source of his exposure, and no search for other sources was made.

In 1957 typhoid struck a teenage friend of the 40-year-old woman's stepson. This boy was reported and thoroughly investigated. Arrangements were made for the collection of stool specimens on his contacts, but unfortunately specimens from the woman's family were never collected. The finding of other typhoid cases among his contacts threw the investigator off the track.

In 1958 another case occurred in the 40-year-old woman's daughter-in-law. This case was never reported to health authorities and was never investigated. Finally, in September 1960, the report of a case in a 12-year-old boy initiated the investigation upon which this narrative is based.

In the course of this latest investigation, multiple stool specimens were obtained on each contact. This procedure revealed two asymptomatic carriers of typhoid — the woman and her granddaughter. Neither had been suspected previously. Phage typing is not completely reported yet, but it is known that type F₁ has been isolated from the woman and most of the other cases.

This group of cases probably has its origin in the 40-year-old woman. The Ohio Department of Health concludes that the reasons she was not discovered years ago are: 1. Failure of reporting clinical cases to health authorities; 2. Failure to investigate all contacts (the finding of one possible source does not rule out the existence of other sources); and 3. The failure to carry on investigation of a contact to the final step of repeated stool cultures.

INTERNATIONAL NOTES

The British Ministry of Health, London, reported for the week ending February 18, 1961, that influenza appeared to be decreasing in most parts of England and Wales although isolations of influenza virus A₂ were still being reported. During the week ending February 18, 1961, 972 influenza deaths were reported. This represents a substantial decrease from the 1,393 influenza deaths reported the preceding week, although only 42 influenza deaths were reported during the comparable week last year. A total of 3,974 deaths due to influenza, pneumonia, and bronchitis were reported during the current week, compared to 5,170 such deaths during the preceding week.

(Continued on page 8)

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED FEBRUARY 27, 1960 AND FEBRUARY 25, 1961

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

Area	Poliomyelitis 080										Menin- gitis, aseptic 340 pt.	Brucel- losis (undul- lant fever) 044
	Total (includes cases not specified by type)				Paralytic 080.0, 080.1				Nonparalytic			
	8th Week		Cumulative, first 8 weeks		8th Week		Cumulative, first 8 weeks		080.2			
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960		
UNITED STATES-----	3	10	73	153	3	10	42	111	-	-	22	11
NEW ENGLAND-----	1	-	2	5	1	-	2	5	-	-	-	-
Maine-----	-	-	-	1	-	-	-	1	-	-	-	-
New Hampshire-----	-	-	-	-	-	-	-	-	-	-	-	-
Vermont-----	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts-----	1	-	1	4	1	-	1	4	-	-	-	-
Rhode Island-----	-	-	-	-	-	-	-	-	-	-	-	-
Connecticut-----	-	-	1	-	-	-	1	-	-	-	-	-
MIDDLE ATLANTIC-----	-	-	7	27	-	-	6	19	-	-	-	-
New York-----	-	-	2	25	-	-	1	17	-	-	-	-
New Jersey-----	-	-	1	2	-	-	1	2	-	-	-	-
Pennsylvania-----	-	-	4	-	-	-	4	-	-	-	-	-
EAST NORTH CENTRAL-----	-	1	12	15	-	1	7	4	-	-	1	2
Ohio-----	-	-	7	11	-	-	3	2	-	-	-	-
Indiana-----	-	-	-	-	-	-	-	-	-	-	-	-
Illinois-----	-	1	2	3	-	1	2	2	-	-	-	2
Michigan-----	-	-	1	-	-	-	1	-	-	-	1	-
Wisconsin-----	-	-	2	1	-	-	1	-	-	-	-	-
WEST NORTH CENTRAL-----	-	-	1	8	-	-	1	5	-	-	1	7
Minnesota-----	-	-	1	4	-	-	1	4	-	-	1	-
Iowa-----	-	-	-	2	-	-	-	1	-	-	-	6
Missouri-----	-	-	-	1	-	-	-	-	-	-	-	-
North Dakota-----	-	-	-	-	-	-	-	-	-	-	-	-
South Dakota-----	-	-	-	1	-	-	-	-	-	-	-	-
Nebraska-----	-	-	-	-	-	-	-	-	-	-	-	-
Kansas-----	-	-	-	-	-	-	-	-	-	-	-	1
SOUTH ATLANTIC-----	1	2	6	32	1	2	5	26	-	-	1	2
Delaware-----	-	-	1	-	-	-	1	-	-	-	-	-
Maryland-----	-	-	-	-	-	-	-	-	-	-	-	-
District of Columbia-----	-	-	-	-	-	-	-	-	-	-	-	-
Virginia-----	-	-	-	-	-	-	-	-	-	-	1	2
West Virginia-----	-	-	-	2	-	-	-	2	-	-	-	-
North Carolina-----	-	-	2	11	-	-	2	11	-	-	-	-
South Carolina-----	-	1	-	2	-	1	-	2	-	-	-	-
Georgia-----	1	-	1	1	1	-	1	1	-	-	-	-
Florida-----	-	1	2	16	-	1	1	10	-	-	-	-
EAST SOUTH CENTRAL-----	-	-	9	4	-	-	-	3	-	-	3	-
Kentucky-----	-	-	9	3	-	-	-	2	-	-	2	-
Tennessee-----	-	-	-	-	-	-	-	-	-	-	1	-
Alabama-----	-	-	-	-	-	-	-	-	-	-	-	-
Mississippi-----	-	-	-	1	-	-	-	1	-	-	-	-
WEST SOUTH CENTRAL-----	-	1	8	9	-	1	4	7	-	-	3	-
Arkansas-----	-	-	1	-	-	-	-	-	-	-	-	-
Louisiana-----	-	1	3	4	-	1	2	3	-	-	-	-
Oklahoma-----	-	-	-	1	-	-	-	1	-	-	-	-
Texas-----	-	-	4	4	-	-	2	3	-	-	3	-
MOUNTAIN-----	-	2	12	10	-	2	7	6	-	-	5	-
Montana-----	-	-	1	4	-	-	1	3	-	-	-	-
Idaho-----	-	-	2	4	-	-	-	1	-	-	-	-
Wyoming-----	-	-	-	-	-	-	-	-	-	-	-	-
Colorado-----	-	-	3	-	-	-	3	-	-	-	5	-
New Mexico-----	-	-	-	-	-	-	-	-	-	-	-	-
Arizona-----	-	2	2	2	-	2	1	2	-	-	-	-
Utah-----	-	-	4	-	-	-	2	-	-	-	-	-
Nevada-----	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC-----	1	4	16	43	1	4	10	36	-	-	8	-
Washington-----	-	-	-	3	-	-	-	3	-	-	-	-
Oregon-----	-	-	2	7	-	-	1	3	-	-	-	-
California-----	1	4	14	32	1	4	9	29	-	-	8	-
Alaska-----	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii-----	-	-	-	1	-	-	-	1	-	-	-	-
Puerto Rico-----	-	1	1	12	-	1	1	12	-	-	-	-

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED FEBRUARY 27, 1960 AND FEBRUARY 25, 1961 - Continued

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

Area	Diphtheria 055				Encephalitis, infectious		Hepatitis, infectious, and serum 092, N998.5 pt.				Measles	
	8th Week		Cumulative, first 8 weeks		082		8th Week		Cumulative, first 8 weeks		085	
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960
UNITED STATES-----	16	22	155	166	24	28	2,003	754	13,458	5,882	12,296	10,905
NEW ENGLAND-----	1	2	2	5	1	-	59	32	426	211	994	939
Maine-----	-	1	-	1	-	-	5	2	20	14	7	74
New Hampshire-----	-	-	-	-	-	-	8	-	24	-	8	10
Vermont-----	-	-	-	-	-	-	3	-	79	5	119	-
Massachusetts-----	1	1	2	3	1	-	16	19	130	106	487	471
Rhode Island-----	-	-	-	1	-	-	8	5	59	41	248	22
Connecticut-----	-	-	-	-	-	-	19	6	114	45	125	362
MIDDLE ATLANTIC-----	-	-	3	5	3	2	296	62	1,875	522	2,370	1,591
New York-----	-	-	2	1	2	2	129	33	780	247	1,251	1,390
New Jersey-----	-	-	-	-	1	-	73	2	349	37	322	117
Pennsylvania-----	-	-	1	4	-	-	94	27	746	238	797	84
EAST NORTH CENTRAL-----	-	2	2	14	3	5	409	168	2,568	1,069	3,598	2,144
Ohio-----	-	-	-	8	-	-	161	47	1,067	280	946	397
Indiana-----	-	1	-	3	1	4	70	23	357	150	189	214
Illinois-----	-	-	1	1	-	1	89	32	425	238	385	459
Michigan-----	-	1	1	2	2	-	82	36	645	305	794	487
Wisconsin-----	-	-	-	-	-	-	7	30	74	96	1,284	587
WEST NORTH CENTRAL-----	-	2	8	11	2	3	175	49	1,339	558	691	255
Minnesota-----	-	-	4	2	-	-	49	3	327	49	12	183
Iowa-----	-	1	1	2	-	2	33	9	289	101	55	20
Missouri-----	-	-	-	1	-	-	46	23	310	176	559	3
North Dakota-----	-	-	-	1	1	-	3	2	33	57	42	46
South Dakota-----	-	1	3	4	-	-	3	2	80	86	-	-
Nebraska-----	-	-	-	-	-	1	19	9	126	50	23	3
Kansas-----	-	-	-	1	1	-	22	1	174	39	NN	NN
SOUTH ATLANTIC-----	6	4	26	38	3	1	234	69	1,510	688	1,312	596
Delaware-----	-	-	-	-	-	-	6	1	39	32	98	9
Maryland-----	-	-	-	-	-	1	11	12	125	65	98	108
District of Columbia-----	-	-	-	-	-	-	2	1	13	6	3	42
Virginia-----	1	2	6	7	-	-	29	6	179	154	221	249
West Virginia-----	-	-	1	1	-	-	56	20	359	149	130	64
North Carolina-----	-	-	3	1	-	-	42	6	310	32	206	43
South Carolina-----	-	-	-	12	-	-	14	-	135	17	218	12
Georgia-----	-	1	3	3	-	-	49	2	176	65	13	1
Florida-----	5	1	13	14	3	-	25	21	174	168	325	68
EAST SOUTH CENTRAL-----	-	4	3	17	2	1	340	102	2,415	1,041	1,346	882
Kentucky-----	-	-	2	-	-	-	84	32	785	485	682	325
Tennessee-----	-	-	1	2	-	-	118	29	1,023	300	421	471
Alabama-----	-	4	-	10	-	1	75	34	388	204	204	39
Mississippi-----	-	-	-	5	2	-	63	7	219	52	39	47
WEST SOUTH CENTRAL-----	9	7	108	54	-	3	132	57	860	414	431	2,201
Arkansas-----	-	-	-	1	-	-	38	-	183	24	43	4
Louisiana-----	2	1	11	9	-	-	6	3	30	21	3	7
Oklahoma-----	-	1	2	5	-	-	12	20	86	67	4	19
Texas-----	7	5	95	39	-	3	76	34	561	302	381	2,171
MOUNTAIN-----	-	1	3	21	3	1	190	66	991	572	496	461
Montana-----	-	-	2	-	-	-	4	2	120	24	87	47
Idaho-----	-	-	-	11	-	-	6	20	57	98	48	89
Wyoming-----	-	-	-	5	-	1	1	-	12	4	11	5
Colorado-----	-	-	1	2	-	-	28	20	329	149	97	87
New Mexico-----	-	-	-	-	-	-	125	4	185	99	NN	-
Arizona-----	-	-	-	-	2	-	7	16	80	134	202	50
Utah-----	-	1	-	3	1	-	18	3	180	54	50	183
Nevada-----	-	-	-	-	-	-	1	1	28	10	1	-
PACIFIC-----	-	-	-	1	7	12	168	149	1,474	807	1,058	1,836
Washington-----	-	-	-	-	-	-	24	28	183	99	251	768
Oregon-----	-	-	-	-	1	1	25	22	277	168	162	213
California-----	-	-	-	-	6	11	116	94	951	499	640	471
Alaska-----	-	-	-	1	-	-	2	4	50	19	2	116
Hawaii-----	-	-	-	-	-	-	1	1	13	22	3	268
Puerto Rico-----	2	13	3	41	-	-	8	32	57	153	8	37

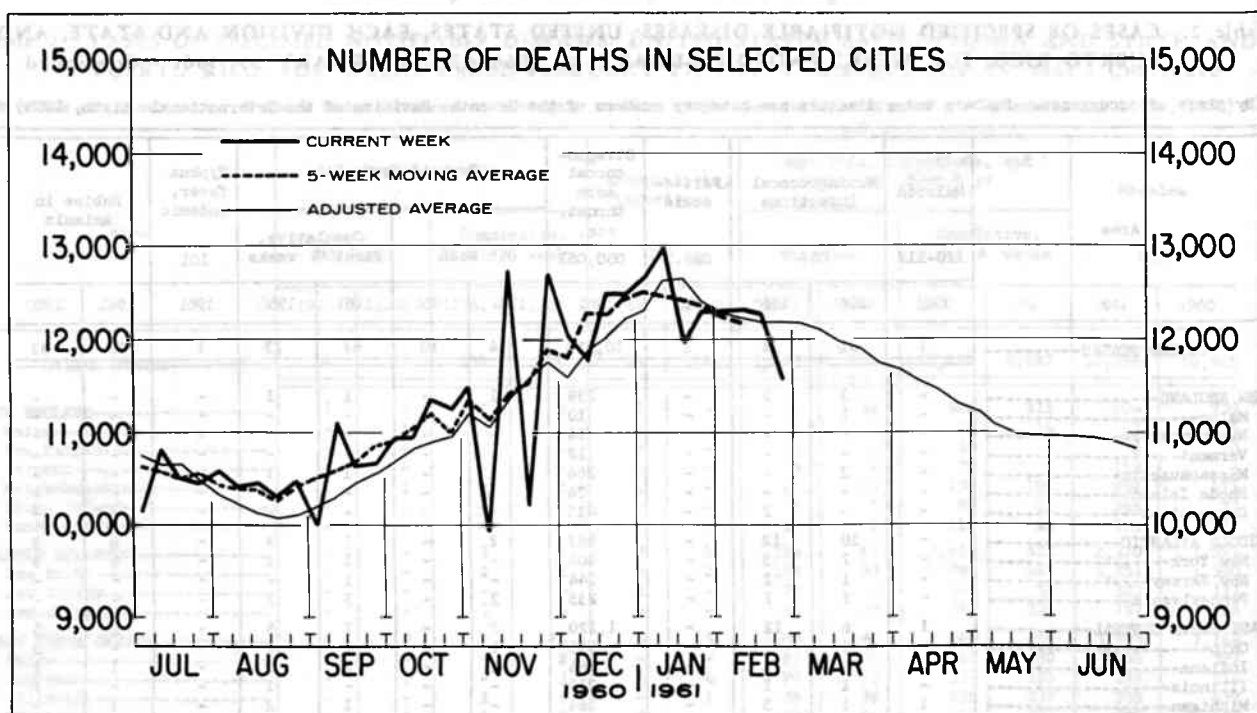
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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED FEBRUARY 27, 1960 AND FEBRUARY 25, 1961 - Continued

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

Area	Malaria	Meningococcal infections		Paitha-cosis	Strepto-coccal sore throat, etc.	Typhoid fever 040				Typhus fever, endemic	Rabies in animals	
	110-117	057		096.2	050,051	8th Week		Cumulative, first 8 weeks		101	000,01	
	1961	1961	1960	1961	1961	1961	1960	1961	1960	1961	1961	1960
UNITED STATES-----	1	61	71	1	10,550	14	10	67	73	1	72	92
NEW ENGLAND-----	-	3	2	-	759	1	-	1	1	-	-	-
Maine-----	-	1	-	-	10	-	-	-	-	-	-	-
New Hampshire-----	-	-	-	-	14	-	-	-	-	-	-	-
Vermont-----	-	-	-	-	18	-	-	-	-	-	-	-
Massachusetts-----	-	2	-	-	266	1	-	1	1	-	-	-
Rhode Island-----	-	-	-	-	26	-	-	-	-	-	-	-
Connecticut-----	-	-	2	-	425	-	-	-	-	-	-	-
MIDDLE ATLANTIC-----	-	10	12	-	887	2	-	7	4	-	6	9
New York-----	-	7	3	-	408	-	-	1	2	-	6	9
New Jersey-----	-	1	2	-	244	-	-	1	-	-	-	-
Pennsylvania-----	-	2	7	-	235	2	-	5	2	-	-	-
EAST NORTH CENTRAL-----	1	6	12	-	1,220	2	-	7	5	-	2	5
Ohio-----	-	2	3	-	356	1	-	4	1	-	-	3
Indiana-----	-	-	2	-	194	1	-	1	1	-	1	1
Illinois-----	-	1	1	-	219	-	-	-	1	-	-	1
Michigan-----	1	1	3	-	264	-	-	1	2	-	1	-
Wisconsin-----	-	2	3	-	187	-	-	1	-	-	-	-
WEST NORTH CENTRAL-----	-	5	5	-	347	3	1	7	7	-	13	11
Minnesota-----	-	1	-	-	11	1	-	3	-	-	1	2
Iowa-----	-	-	1	-	80	1	-	1	-	-	1	2
Missouri-----	-	2	1	-	27	1	1	3	7	-	8	6
North Dakota-----	-	-	-	-	90	-	-	-	-	-	1	-
South Dakota-----	-	-	1	-	3	-	-	-	-	-	2	-
Nebraska-----	-	-	2	-	-	-	-	-	-	-	-	1
Kansas-----	-	2	-	-	136	-	-	-	-	-	-	-
SOUTH ATLANTIC-----	-	17	5	-	712	-	1	9	15	-	9	14
Delaware-----	-	-	-	-	6	-	-	-	-	-	-	-
Maryland-----	-	-	1	-	23	-	-	-	-	-	-	-
District of Columbia-----	-	-	-	-	2	-	-	-	-	-	-	-
Virginia-----	-	2	-	-	177	-	-	-	3	-	4	4
West Virginia-----	-	2	1	-	265	-	-	1	-	-	2	6
North Carolina-----	-	3	-	-	47	-	1	2	6	-	-	-
South Carolina-----	-	-	-	-	24	-	-	1	5	-	-	2
Georgia-----	-	-	2	-	2	-	-	4	-	-	-	2
Florida-----	-	10	1	-	166	-	-	1	1	-	3	-
EAST SOUTH CENTRAL-----	-	7	17	-	1,653	2	7	12	23	-	17	19
Kentucky-----	-	2	5	-	397	1	4	2	7	-	3	7
Tennessee-----	-	2	4	-	1,165	1	3	8	14	-	8	6
Alabama-----	-	-	8	-	35	-	-	2	2	-	6	5
Mississippi-----	-	3	-	-	56	-	-	-	-	-	-	1
WEST SOUTH CENTRAL-----	-	6	6	-	1,239	2	1	8	10	-	18	32
Arkansas-----	-	-	-	-	7	-	-	-	2	-	4	22
Louisiana-----	-	4	1	-	9	-	-	2	4	-	3	-
Oklahoma-----	-	1	-	-	34	1	-	2	1	-	-	-
Texas-----	-	1	5	-	1,189	1	1	4	3	-	11	10
MOUNTAIN-----	-	3	2	-	2,536	-	-	8	5	-	2	-
Montana-----	-	-	-	-	77	-	-	1	4	-	-	-
Idaho-----	-	2	-	-	261	-	-	-	-	-	-	-
Wyoming-----	-	-	-	-	61	-	-	-	-	-	-	-
Colorado-----	-	-	-	-	658	-	-	4	-	-	-	-
New Mexico-----	-	1	1	-	802	-	-	1	1	-	-	-
Arizona-----	-	-	-	-	248	-	-	1	-	-	2	-
Utah-----	-	-	-	-	341	-	-	1	-	-	-	-
Nevada-----	-	-	1	-	88	-	-	-	-	-	-	-
PACIFIC-----	-	4	10	1	1,197	2	-	8	3	1	5	2
Washington-----	-	1	1	-	667	-	-	1	-	-	-	-
Oregon-----	-	1	1	-	66	-	-	-	-	-	-	-
California-----	-	2	8	1	418	2	-	7	3	1	5	2
Alaska-----	-	-	-	-	41	-	-	-	-	-	-	-
Hawaii-----	-	-	-	-	5	-	-	-	-	-	-	-
Puerto Rico-----	-	-	-	-	23	2	-	3	12	-	-	-



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

Table 4 shows the number of death certificates re-

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

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

Table 3. DEATHS IN SELECTED CITIES BY GEOGRAPHIC DIVISIONS

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

Area	8th week ended Feb. 25, 1961	7th week ended Feb. 18, 1961	Adjusted average, 8th week 1956-60	Percent change, adjusted average to current week	Cumulative, first 8 weeks		
					1961	1960	Percent change
TOTAL, 117 REPORTING CITIES-----	11,591	12,244	12,184	-4.9	98,560	106,276	-7.3
New England----- (14 cities)	711	789	738	-3.7	6,107	6,886	-11.3
Middle Atlantic----- (20 cities)	3,220	3,565	3,341	-3.6	27,946	28,177	-0.8
East North Central----- (21 cities)	2,428	2,589	2,581	-5.9	20,691	23,264	-11.1
West North Central----- (9 cities)	821	822	886	-7.3	6,665	7,445	-10.5
South Atlantic----- (11 cities)	1,013	1,101	1,059	-4.3	8,758	9,401	-6.8
East South Central----- (8 cities)	596	583	559	+6.6	4,644	4,778	-2.8
West South Central----- (13 cities)	992	992	1,106	-10.3	8,638	9,619	-10.2
Mountain----- (8 cities)	371	373	363	+2.2	3,016	3,242	-7.0
Pacific----- (13 cities)	1,439	1,430	1,551	-7.2	12,095	13,464	-10.2

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Table 4. DEATHS IN SELECTED CITIES

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

Area	8th week ended Feb. 25, 1961	7th week ended Feb. 18, 1961	Cumulative, first 8 weeks	
			1961	1960
NEW ENGLAND:				
Boston, Mass.-----	238	265	2,116	2,360
Bridgeport, Conn.-----	36	40	339	387
Cambridge, Mass.-----	26	24	239	288
Fall River, Mass.-----	30	35	219	277
Hartford, Conn.-----	45	49	397	446
Lovell, Mass.-----	34	29	212	210
Lynn, Mass.-----	22	23	187	232
New Bedford, Mass.-----	26	27	227	238
New Haven, Conn.-----	46	59	403	435
Providence, R.I.-----	59	65	515	630
Somerville, Mass.-----	18	14	107	142
Springfield, Mass.-----	45	55	420	465
Waterbury, Conn.-----	27	36	232	252
Worcester, Mass.-----	59	68	494	524
MIDDLE ATLANTIC:				
Albany, N.Y.-----	45	33	415	369
Allentown, Pa.-----	34	32	290	287
Buffalo, N.Y.-----	155	136	1,186	1,371
Camden, N.J.-----	51	43	344	405
Elizabeth, N.J.-----	23	26	246	244
Erie, Pa.-----	38	46	333	312
Jersey City, N.J.-----	53	67	599	626
Newark, N.J.-----	100	107	880	831
New York City, N.Y.-----	1,689	1,828	14,270	13,972
Paterson, N.J.-----	41	42	335	371
Philadelphia, Pa.-----	478	534	4,351	4,334
Pittsburgh, Pa.-----	140	285	1,642	1,859
Reading, Pa.-----	20	25	195	197
Rochester, N.Y.-----	122	105	897	961
Schenectady, N.Y.-----	25	29	206	217
Scranton, Pa.-----	37	44	329	357
Syracuse, N.Y.-----	65	62	503	593
Trenton, N.J.-----	46	50	378	349
Utica, N.Y.-----	32	26	262	250
Yonkers, N.Y.-----	26	45	285	272
EAST NORTH CENTRAL:				
Akron, Ohio-----	51	55	490	511
Canton, Ohio-----	42	38	272	333
Chicago, Ill.-----	758	772	6,296	7,237
Cincinnati, Ohio-----	141	158	1,324	1,486
Cleveland, Ohio-----	221	236	1,780	2,078
Columbus, Ohio-----	98	128	954	1,085
Dayton, Ohio-----	76	72	706	654
Detroit, Mich.-----	347	371	2,803	3,187
Evansville, Ind.-----	41	40	304	309
Flint, Mich.-----	42	35	345	343
Fort Wayne, Ind.-----	29	48	332	345
Gary, Ind.-----	38	31	261	278
Grand Rapids, Mich.-----	47	52	376	384
Indianapolis, Ind.-----	125	155	1,193	1,281
Madison, Wis.-----	26	37	245	258
Milwaukee, Wis.-----	114	101	1,017	1,170
Peoria, Ill.-----	30	27	241	263
Rockford, Ill.-----	23	40	232	260
South Bend, Ind.-----	34	26	238	275
Toledo, Ohio-----	88	107	817	993
Youngstown, Ohio-----	57	60	465	534
WEST NORTH CENTRAL:				
Des Moines, Iowa-----	52	55	428	509
Duluth, Minn.-----	33	23	227	261
Kansas City, Kans.-----	43	45	340	322
Kansas City, Mo.-----	114	136	1,087	1,139
Lincoln, Nebr.-----	(31)	(35)	(244)	(224)
Minneapolis, Minn.-----	134	131	1,053	1,126
Omaha, Nebr.-----	66	76	583	673
WEST NORTH CENTRAL—Con.:				
St. Louis, Mo.-----	261	254	2,016	2,320
St. Paul, Minn.-----	74	67	567	683
Wichita, Kans.-----	44	35	364	412
SOUTH ATLANTIC:				
Atlanta, Ga.-----	99	126	1,039	1,093
Baltimore, Md.-----	244	287	2,125	2,434
Charlotte, N.C.-----	43	42	308	400
Jacksonville, Fla.-----	65	57	537	601
Miami, Fla.-----	86	95	637	687
Norfolk, Va.-----	69	53	429	431
Richmond, Va.-----	75	101	733	767
Savannah, Ga.-----	25	33	310	346
St. Petersburg, Fla.-----	(89)	(71)	(660)	(685)
Tampa, Fla.-----	73	71	611	554
Washington, D.C.-----	180	194	1,682	1,725
Wilmington, Del.-----	54	42	347	363
EAST SOUTH CENTRAL:				
Birmingham, Ala.-----	103	102	775	770
Chattanooga, Tenn.-----	53	54	445	426
Knoxville, Tenn.-----	40	25	266	286
Louisville, Ky.-----	117	102	958	1,047
Memphis, Tenn.-----	129	158	1,050	993
Mobile, Ala.-----	49	33	347	367
Montgomery, Ala.-----	35	37	289	305
Nashville, Tenn.-----	70	72	514	584
WEST SOUTH CENTRAL:				
Austin, Tex.-----	31	34	296	368
Baton Rouge, La.-----	17	22	254	273
Corpus Christi, Tex.-----	20	24	211	267
Dallas, Tex.-----	114	118	1,035	1,135
El Paso, Tex.-----	33	37	322	400
Fort Worth, Tex.-----	78	55	550	607
Houston, Tex.-----	179	179	1,521	1,607
Little Rock, Ark.-----	67	49	473	540
New Orleans, La.-----	177	174	1,479	1,686
Oklahoma City, Okla.-----	56	77	669	692
San Antonio, Tex.-----	109	115	896	1,021
Shreveport, La.-----	56	63	450	468
Tulsa, Okla.-----	55	45	482	555
MOUNTAIN:				
Albuquerque, N. Mex.-----	32	39	268	281
Colorado Springs, Colo.-----	17	7	130	162
Denver, Colo.-----	112	127	942	1,119
Ogden, Utah-----	17	17	120	146
Phoenix, Ariz.-----	80	63	684	660
Pueblo, Colo.-----	16	17	129	123
Salt Lake City, Utah-----	59	57	417	450
Tucson, Ariz.-----	38	46	326	301
PACIFIC:				
Berkeley, Calif.-----	16	20	129	152
Fresno, Calif.-----	(49)	(51)	(367)	(461)
Glendale, Calif.-----	(31)	(25)	(269)	(381)
Honolulu, Hawaii-----	39	43	336	341
Long Beach, Calif.-----	63	61	500	487
Los Angeles, Calif.-----	530	534	4,410	5,155
Oakland, Calif.-----	99	75	832	848
Pasadena, Calif.-----	34	23	260	338
Portland, Oreg.-----	125	108	842	911
Sacramento, Calif.-----	50	65	538	581
San Diego, Calif.-----	77	90	716	882
San Francisco, Calif.-----	203	186	1,740	1,846
San Jose, Calif.-----	(37)	(40)	(278)	(239)
Seattle, Wash.-----	123	131	1,074	1,168
Spokane, Wash.-----	49	47	374	382
Tacoma, Wash.-----	31	47	344	373
San Juan, P. R.-----	(---)	(22)	(230)	(---)

() Figures shown in parenthesis are from cities which have

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

QUARANTINE MEASURES

Immunization Information for International Travel-1960 Edition

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The following name should be added to the list of Yellow Fever Vaccination Centers in Section 6:

City	Center	Clinic Hours	Fee
Ohio	The Ohio Oil Company	Monday,	No
Findlay	Dispensary	9 - 11 a.m.	
	539 South Main Street		
	Tel. GArden 2-2121		

The following correction should be made to the list of Yellow Fever Vaccination Centers in Section 6, page 63:

City	Center	Clinic Hours	Fee
Colorado	Denver Department of	Thursday, 11 a.m.,	Yes
Denver	Health and Hospitals	by appointment	
	Disease Control Service		
	760 Cherokee		
	Tel. CH 4-6969		
	ext. 464		

SOURCE AND NATURE OF MORBIDITY DATA

These provisional data are based on reports to the Public Health Service from the health departments of each State and Puerto Rico. They give the total number of cases of certain communicable diseases reported during the week usually ended the preceding Saturday. Total figures for the United States and the Pacific Division include data for the States of Alaska and Hawaii. Cases of anthrax, botulism, and rabies in man are not shown in table 2, but a footnote to table 1 shows the States reporting these diseases. When diseases of rare occurrence are reported by a State (cholera, dengue, plague, louse-borne relapsing fever, smallpox, louse-borne epidemic typhus, and yellow fever) this is noted below table 1.

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



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