

# 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 December 16, 1961

**Respiratory Disease** - Reporting of influenza and influenza-like disease outbreaks to date implicates three major foci: one in the Southwest United States with spread northward along the Pacific Coast and eastward towards the Plains States; a second focus in Southern Florida with beginning spread northward; and a third focus in Saskatchewan, Canada. Outbreaks in Arizona, California, Colorado, Florida, and Saskatchewan have been confirmed as Influenza type B. No laboratory evidence is yet available to implicate the influenza virus in outbreaks in Oregon, Washington, Missouri, and Illinois.

Analysis of reported influenza and pneumonia deaths reveals no increase above expected levels either nationally or by district.

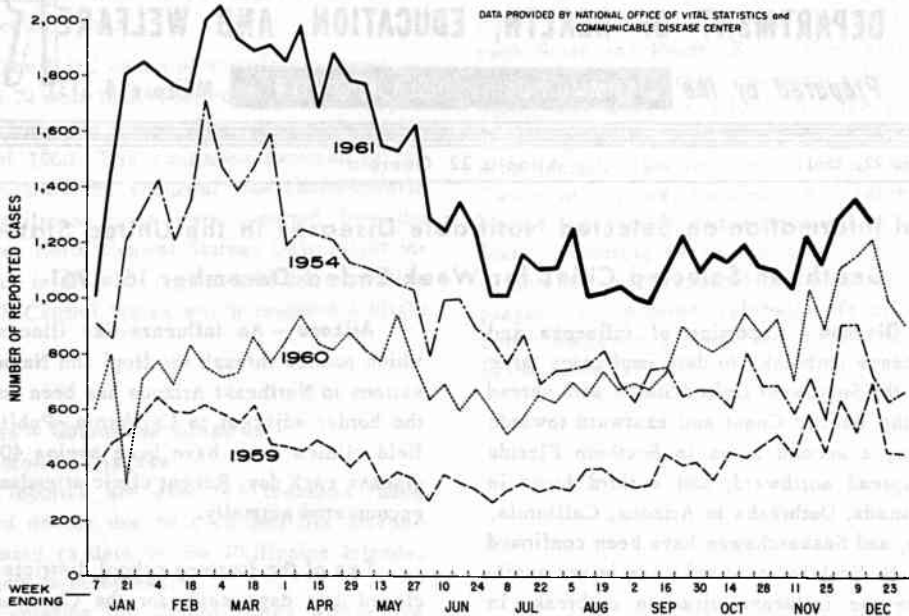
**Arizona** - An influenza-like illness similar to that which passed through the Hopi and Navaho Indian Reservations in Northeast Arizona has been noted in Parker, on the border adjacent to California. Public Health Service field clinics there have been seeing 40-50 cases of the disease each day. Recent clinic attendance is double that encountered normally.

Two of the fourteen school districts in Phoenix have closed two days early for the Christmas holidays, because of the large number of absentees. Estimates indicate that 25 percent of the students have been affected by an influenza-like illness.

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)	50th Week			Cumulative						Approximate seasonal low point	
	Ended Dec. 16, 1961	Ended Dec. 17, 1960	Median 1956-60	First 50 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	-	-	*	7	18	*	*	*	*	*	*
Botulism-----049.1	-	-	*	6	10	*	*	*	*	*	*
Brucellosis (undulant fever)-----044	6	9	13	562	722	771	*	*	*	*	
Diphtheria-----055	10	47	47	566	828	882	257	482	515	July 1	
Encephalitis, infectious-----062	33	27	26	1,600	1,806	2,039	1,600	1,806	2,039	Jan. 1	
Hepatitis, infectious, and serum-----092,N998.5 pt.	1,283	1,207	332	70,208	39,152	18,485	17,505	13,410	4,448	Sept. 1	
Malaria-----110-117	1	-	*	59	71	*	*	*	*	*	
Measles-----085	4,283	4,436	4,318	413,519	427,792	470,889	27,891	27,670	28,232	Sept. 1	
Meningitis, aseptic-----340 pt.	41	30	---	3,045	2,916	---	3,045	2,916	---	Jan. 1	
Meningococcal infections-----057	47	33	49	2,069	2,116	2,517	554	578	643	Sept. 1	
Poliomyelitis-----080	16	40	90	1,299	3,210	5,883	1,196	2,997	5,666	Apr. 1	
Paralytic-----080.0,080.1	11	25	59	848	2,240	2,128	788	2,073	2,875	Apr. 1	
Nonparalytic-----080.2	3	7	15	310	635	2,809	285	609	1,924	Apr. 1	
Unspecified-----080.3	2	8	16	141	335	946	123	315	867	Apr. 1	
Psittacosis-----096.2	2	1	*	89	96	*	*	*	*	*	
Rabies in man-----094	-	-	*	3	2	*	*	*	*	*	
Streptococcal sore throat, including scarlet fever-----050,051	6,678	7,711	---	304,987	296,379	---	85,776	---	---	Aug. 1	
Typhoid fever-----040	13	10	15	798	786	1,026	684	655	846	Apr. 1	
Typhus fever, endemic-----101	1	-	*	42	62	*	*	*	*	*	
Rabies in animals-----	53	44	68	3,284	3,256	4,069	650	485	692	Oct. 1	

CURRENT U. S. HEPATITIS INCIDENCE  
compared with years 1954, 1959, 1960

**California** – Epidemics of acute respiratory illness have been observed throughout the State, affecting predominantly the school age population. Serologic titer rises to Influenza B have been obtained from patients in the following six counties: Sonoma, San Francisco, Santa Clara, Santa Cruz, Monterey, and Los Angeles.

**Oregon** – The outbreaks of upper respiratory and gastroenteric disease beginning in November in the Portland area have extended to involve communities throughout the western part of the State and outbreaks are now reported in Eastern Oregon. Surveillance of industrial absenteeism in the Portland area indicates scattered cases of influenza-like disease among employees with notably increased absenteeism in one company only. Intensive laboratory studies on throat washings and stool specimens have not yet uncovered an etiologic agent.

**Washington State** – Seven counties scattered widely throughout the State report outbreaks of respiratory disease. Several schools in each of these counties have reported 20 percent absenteeism. In Lewis County, clinical evaluation of 37 patients, 22 of school age, eight adults, and three in the pre-school group was reported. The predominant symptoms found were retro-orbital headache, sore throat, cough, and conjunctivitis. Other symptoms experienced by at least 20 percent of the patients were photophobia, coryza, abdominal pain, and myalgia.

Pharyngeal injection was usually present, without exudation or vesiculation. The uvula was particularly injected and edematous. The illness lasted two to five days. Laboratory studies are in progress.

**Colorado** – Respiratory disease has been prevalent in Pueblo and Colorado Springs since late October, with 100-150 cases occurring each week. Several serologic titer rises to Influenza B have been obtained. In Durango, a town of 7000 population in the southwest corner of Colorado, approximately 700 cases of acute respiratory disease occurred in one week in early December. Fifty percent of the children in the largest school (685 students) are known to have been ill during the week. Epidemiologic and laboratory investigations are being carried out.

**Missouri** – A sharp outbreak of respiratory disease is occurring in Potosi, Missouri. Eight hundred of approximately 2400 students are affected. The outbreak is characterized by high fever, sore throat, nausea, and vomiting. It lasts about 5 days. School children and young adults are the population groups most affected by the disease. Absenteeism at two shoe factories in the town has been estimated at 15 percent. Serologic studies are in progress.

St. Louis and Jefferson City have recently noted influenza-like disease among school children with increased absenteeism.

(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 DECEMBER 17, 1960 AND DECEMBER 16, 1961**

(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 (undul- ant fever) 044
	Total (Includes cases not specified by type)				Paralytic 080.0,080.1				Nonparalytic			
	50th Week		Cumulative, first 50 weeks		50th Week		Cumulative, first 50 weeks		080.2			
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960		
UNITED STATES-----	16	40	1,299	3,210	11	25	848	2,240	3	7	41	6
NEW ENGLAND-----	1	4	41	236	1	4	28	187	-	-	-	-
Maine-----	1	4	6	53	1	4	6	52	-	-	-	-
New Hampshire-----	-	-	2	-	-	-	-	-	-	-	-	-
Vermont-----	-	-	9	11	-	-	8	6	-	-	-	-
Massachusetts-----	-	-	18	34	-	-	10	23	-	-	-	-
Rhode Island-----	-	-	1	103	-	-	1	78	-	-	-	-
Connecticut-----	-	-	5	35	-	-	3	28	-	-	-	-
MIDDLE ATLANTIC-----	4	7	341	487	3	5	227	346	-	2	5	1
New York-----	4	4	253	264	3	3	163	171	-	1	-	1
New Jersey-----	-	-	35	84	-	-	28	61	-	-	-	-
Pennsylvania-----	-	3	53	139	-	2	36	114	-	1	5	-
EAST NORTH CENTRAL-----	2	2	178	555	-	1	110	345	1	1	6	3
Ohio-----	-	-	48	127	-	-	22	65	-	-	1	-
Indiana-----	-	1	20	142	-	1	12	109	-	-	-	1
Illinois-----	1	1	37	151	-	-	19	103	-	1	5	2
Michigan-----	1	-	39	94	-	-	30	55	1	-	-	-
Wisconsin-----	-	-	34	41	-	-	27	13	-	-	-	-
WEST NORTH CENTRAL-----	1	3	78	178	1	2	36	104	-	1	10	1
Minnesota-----	-	-	6	55	-	-	6	45	-	-	1	-
Iowa-----	-	1	19	23	-	-	10	4	-	1	-	1
Missouri-----	1	-	27	44	1	-	9	32	-	-	-	-
North Dakota-----	-	2	5	16	-	2	1	7	-	-	-	-
South Dakota-----	-	-	4	5	-	-	2	1	-	-	-	-
Nebraska-----	-	-	8	16	-	-	4	9	-	-	-	-
Kansas-----	-	-	9	19	-	-	4	6	-	-	9	-
SOUTH ATLANTIC-----	2	8	217	596	1	5	159	473	1	1	-	-
Delaware-----	-	-	2	-	-	-	1	-	-	-	-	-
Maryland-----	2	-	44	153	1	-	33	138	1	-	-	-
District of Columbia-----	-	-	3	5	-	-	3	5	-	-	-	-
Virginia-----	-	-	12	55	-	-	12	50	-	-	-	-
West Virginia-----	-	-	33	62	-	-	23	51	-	-	-	-
North Carolina-----	-	1	21	93	-	1	11	70	-	-	-	-
South Carolina-----	-	2	34	132	-	1	26	89	-	1	-	-
Georgia-----	-	2	30	26	-	2	23	24	-	-	-	-
Florida-----	-	3	38	70	-	1	27	46	-	-	-	-
EAST SOUTH CENTRAL-----	2	5	90	261	2	1	51	111	-	-	9	1
Kentucky-----	-	4	27	138	-	-	5	5	-	-	2	-
Tennessee-----	-	1	25	55	-	1	10	38	-	-	2	-
Alabama-----	-	-	11	23	-	-	11	23	-	-	2	1
Mississippi-----	2	-	27	45	2	-	25	45	-	-	3	-
WEST SOUTH CENTRAL-----	1	4	156	290	1	4	88	188	-	-	1	-
Arkansas-----	-	1	23	34	-	1	12	26	-	-	-	-
Louisiana-----	-	-	55	50	-	-	44	31	-	-	-	-
Oklahoma-----	-	-	4	17	-	-	-	12	-	-	-	-
Texas-----	1	3	74	189	1	3	32	119	-	-	1	-
MOUNTAIN-----	-	2	48	101	-	-	28	51	-	-	2	-
Montana-----	-	-	4	24	-	-	2	17	-	-	-	-
Idaho-----	-	1	14	11	-	-	6	1	-	-	-	-
Wyoming-----	-	1	1	22	-	-	-	1	-	-	-	-
Colorado-----	-	-	10	21	-	-	10	19	-	-	1	-
New Mexico-----	-	-	3	7	-	-	-	4	-	-	-	-
Arizona-----	-	-	8	9	-	-	6	7	-	-	1	-
Utah-----	-	-	8	7	-	-	4	2	-	-	-	-
Nevada-----	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC-----	3	5	150	506	2	3	121	435	1	2	8	-
Washington-----	1	-	32	39	1	-	30	39	-	-	2	-
Oregon-----	-	-	17	36	-	-	8	19	-	-	1	-
California-----	2	5	96	421	1	3	78	367	1	2	5	-
Alaska-----	-	-	-	2	-	-	-	2	-	-	-	-
Hawaii-----	-	-	5	8	-	-	5	8	-	-	-	-
Puerto Rico-----	-	-	7	504	-	-	7	495	-	-	-	-

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED DECEMBER 17, 1960 AND DECEMBER 16, 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	
	50th Week		Cumulative, first 50 weeks		082		50th Week		Cumulative, first 50 weeks		085	
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960
UNITED STATES-----	10	47	566	828	33	27	1,283	1,207	70,208	39,152	4,283	4,436
NEW ENGLAND-----	-	1	8	13	-	-	60	26	2,343	1,115	602	509
Maine-----	-	1	-	3	-	-	20	4	196	81	165	12
New Hampshire-----	-	-	-	-	-	-	-	-	203	34	39	231
Vermont-----	-	-	-	-	-	-	4	1	196	28	7	26
Massachusetts-----	-	-	7	9	-	-	25	13	1,020	532	246	192
Rhode Island-----	-	-	-	1	-	-	1	2	240	206	7	16
Connecticut-----	-	-	1	-	-	-	10	6	488	234	138	32
MIDDLE ATLANTIC-----	-	-	20	17	7	10	148	132	9,363	4,826	506	1,040
New York-----	-	-	7	5	4	5	61	68	4,033	2,597	298	512
New Jersey-----	-	-	-	2	-	3	46	10	2,227	343	107	102
Pennsylvania-----	-	-	13	10	3	2	41	54	3,103	1,886	101	426
EAST NORTH CENTRAL-----	1	1	17	42	1	5	259	229	14,105	7,119	707	1,079
Ohio-----	1	-	2	16	-	2	80	84	4,680	2,484	47	316
Indiana-----	-	1	2	8	-	-	30	40	2,065	837	49	95
Illinois-----	-	-	10	6	1	-	63	42	2,578	1,538	415	95
Michigan-----	-	-	3	10	-	2	69	61	4,395	2,026	95	180
Wisconsin-----	-	-	-	2	-	1	17	2	387	234	101	393
WEST NORTH CENTRAL-----	1	2	54	65	3	3	124	71	6,750	2,721	182	126
Minnesota-----	-	2	38	38	-	1	45	23	1,667	506	18	10
Iowa-----	-	-	2	8	1	-	26	18	1,903	435	126	-
Missouri-----	-	-	1	2	-	1	34	12	1,469	898	6	43
North Dakota-----	-	-	4	3	-	-	2	3	151	181	24	72
South Dakota-----	-	-	6	10	-	-	1	1	199	155	7	1
Nebraska-----	1	-	3	2	-	1	6	5	638	276	1	-
Kansas-----	-	-	-	2	2	-	10	9	723	270	NN	NN
SOUTH ATLANTIC-----	4	5	136	232	9	2	123	145	8,930	4,480	372	714
Delaware-----	-	-	-	-	-	-	-	1	185	263	1	36
Maryland-----	-	-	1	1	-	1	8	13	759	453	55	16
District of Columbia-----	-	-	3	-	1	-	5	2	140	62	18	3
Virginia-----	-	-	18	40	-	-	25	12	1,486	775	107	109
West Virginia-----	-	-	1	4	-	-	36	22	1,570	857	85	103
North Carolina-----	-	1	11	19	-	1	26	35	2,113	458	21	42
South Carolina-----	1	-	14	50	-	-	11	26	512	186	3	357
Georgia-----	3	-	46	45	-	-	3	9	745	282	-	3
Florida-----	-	4	42	73	8	-	9	25	1,420	1,144	82	45
EAST SOUTH CENTRAL-----	-	9	46	137	2	-	212	196	10,530	5,688	537	255
Kentucky-----	-	7	9	56	1	-	81	50	3,102	1,983	160	140
Tennessee-----	-	-	3	9	1	-	77	104	4,116	1,957	243	111
Alabama-----	-	1	27	38	-	-	29	30	1,801	1,215	33	4
Mississippi-----	-	1	7	34	-	-	25	12	1,511	533	101	-
WEST SOUTH CENTRAL-----	2	29	260	284	4	1	102	101	5,019	2,951	375	119
Arkansas-----	-	-	4	16	-	-	35	18	994	245	61	1
Louisiana-----	1	4	40	80	-	-	11	10	551	189	1	1
Oklahoma-----	-	-	9	25	-	-	1	10	338	332	1	5
Texas-----	1	25	207	163	4	1	55	63	3,136	2,185	312	112
MOUNTAIN-----	-	-	12	36	1	2	84	96	3,971	3,060	321	189
Montana-----	-	-	2	3	-	-	4	4	340	179	161	10
Idaho-----	-	-	-	11	-	1	9	8	312	326	52	20
Wyoming-----	-	-	-	5	-	-	1	2	158	38	2	31
Colorado-----	-	-	4	3	-	-	19	39	1,364	1,118	5	65
New Mexico-----	-	-	5	4	-	-	3	3	321	338	NN	-
Arizona-----	-	-	-	3	-	1	21	24	678	642	64	55
Utah-----	-	-	-	7	1	-	27	14	653	293	37	8
Nevada-----	-	-	1	-	-	-	-	2	145	126	-	-
PACIFIC-----	2	-	13	2	6	4	171	211	9,197	7,192	681	405
Washington-----	2	-	7	-	1	-	14	40	1,052	973	281	87
Oregon-----	-	-	-	-	-	-	21	23	1,452	1,108	84	117
California-----	-	-	2	1	5	4	135	140	6,206	4,776	316	201
Alaska-----	-	-	4	1	-	-	1	7	416	249	-	-
Hawaii-----	-	-	-	-	-	-	-	1	71	86	-	-
Puerto Rico-----	-	1	58	137	-	-	3	16	945	742	53	44

NN-Not Notifiable

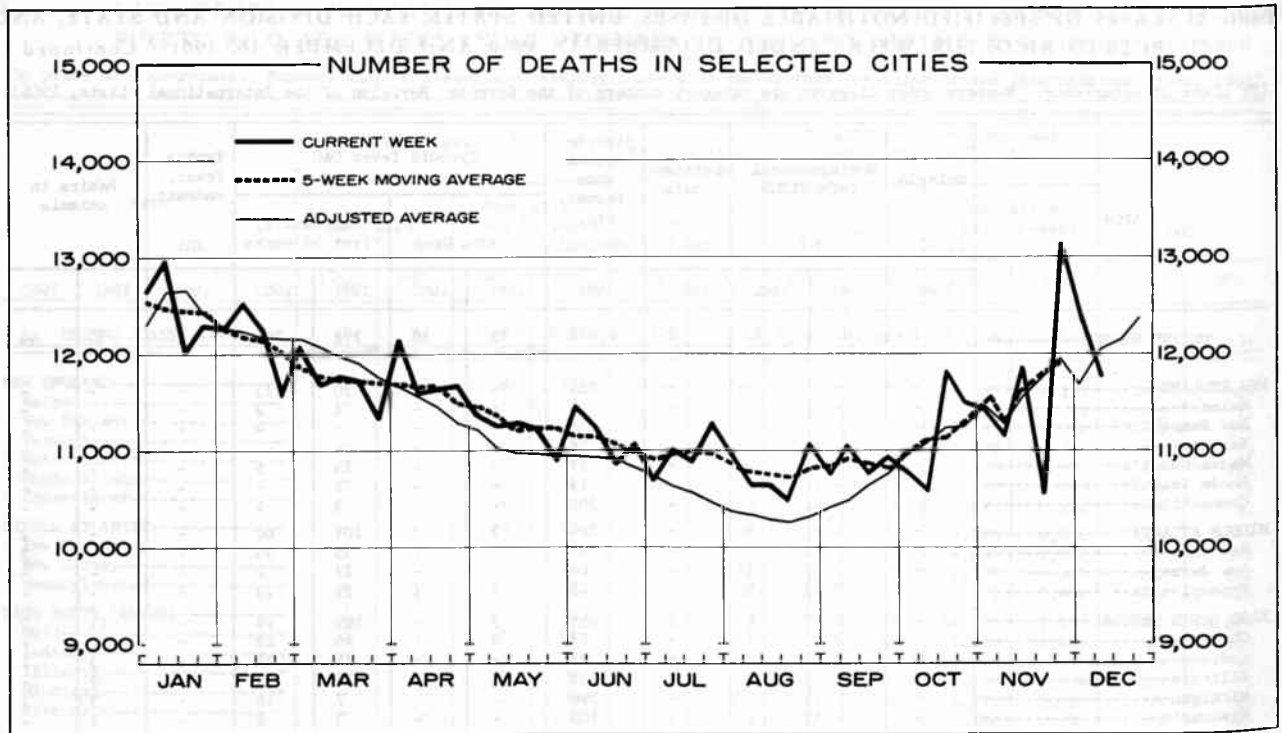
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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED DECEMBER 17, 1960 AND DECEMBER 16, 1961 - Continued

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

Area	Malaria		Meningococcal infections		Psittacosis	Streptococcal sore throat, etc.	Typhoid fever 040				Typhus fever, endemic	Rabies in animals	
	110-117		057				096.2		050,051			50th Week	Cumulative, first 50 weeks
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960	1961		
UNITED STATES-----	1	47	33	2	6,678	13	10	798	786	1	53	44	
NEW ENGLAND-----	-	-	-	-	335	-	-	20	11	-	-	-	
Maine-----	-	-	-	-	4	-	-	1	2	-	-	-	
New Hampshire-----	-	-	-	-	3	-	-	-	-	-	-	-	
Vermont-----	-	-	-	-	26	-	-	-	-	-	-	-	
Massachusetts-----	-	-	-	-	77	-	-	14	5	-	-	-	
Rhode Island-----	-	-	-	-	19	-	-	2	-	-	-	-	
Connecticut-----	-	-	-	-	206	-	-	3	4	-	-	-	
MIDDLE ATLANTIC-----	-	6	9	-	284	3	2	101	60	-	-	2	
New York-----	-	1	3	-	181	1	1	55	35	-	-	2	
New Jersey-----	-	2	1	-	60	-	-	17	7	-	-	-	
Pennsylvania-----	-	3	5	-	43	2	1	29	18	-	-	-	
EAST NORTH CENTRAL-----	-	9	4	1	695	3	-	109	99	-	11	2	
Ohio-----	-	3	1	-	77	3	-	46	29	-	2	-	
Indiana-----	-	2	-	-	83	-	-	24	25	-	3	1	
Illinois-----	-	2	2	-	131	-	-	29	21	-	2	-	
Michigan-----	-	2	-	-	296	-	-	7	16	-	3	1	
Wisconsin-----	-	-	1	1	108	-	-	3	8	-	1	-	
WEST NORTH CENTRAL-----	-	3	2	1	178	2	-	37	48	-	16	11	
Minnesota-----	-	-	-	1	20	-	-	5	1	-	1	3	
Iowa-----	-	-	-	-	43	-	-	2	11	-	6	6	
Missouri-----	-	-	1	-	4	2	-	23	26	-	2	-	
North Dakota-----	-	-	-	-	57	-	-	-	1	-	2	-	
South Dakota-----	-	-	-	-	3	-	-	3	4	-	5	1	
Nebraska-----	-	1	-	-	51	-	-	1	3	-	-	-	
Kansas-----	-	2	1	-	51	-	-	3	2	-	-	1	
SOUTH ATLANTIC-----	1	7	3	-	372	-	-	133	117	-	3	8	
Delaware-----	-	4	-	-	3	-	-	1	1	-	-	-	
Maryland-----	-	-	1	-	4	-	-	4	6	-	-	-	
District of Columbia-----	-	1	-	-	1	-	-	13	10	-	-	-	
Virginia-----	-	2	-	-	63	-	-	20	24	-	2	3	
West Virginia-----	-	-	-	-	170	-	-	11	14	-	1	5	
North Carolina-----	-	-	-	-	36	-	-	16	9	-	-	-	
South Carolina-----	-	-	-	-	22	-	-	8	12	-	-	-	
Georgia-----	-	-	-	-	14	-	-	39	27	-	-	-	
Florida-----	1	-	2	-	59	-	-	21	14	-	-	-	
EAST SOUTH CENTRAL-----	-	3	3	-	929	3	2	87	122	-	6	5	
Kentucky-----	-	-	-	-	75	-	-	19	32	-	3	1	
Tennessee-----	-	1	1	-	835	1	1	51	57	-	3	4	
Alabama-----	-	1	2	-	6	-	1	11	25	-	-	-	
Mississippi-----	-	1	-	-	13	2	-	6	8	-	-	-	
WEST SOUTH CENTRAL-----	-	5	2	-	839	2	3	161	208	1	14	12	
Arkansas-----	-	1	1	-	1	-	3	30	55	-	6	1	
Louisiana-----	-	1	-	-	3	-	-	27	59	-	-	3	
Oklahoma-----	-	-	-	-	4	2	-	14	12	-	-	-	
Texas-----	-	3	1	-	831	-	-	90	82	1	8	8	
MOUNTAIN-----	-	1	2	-	1,669	-	1	64	47	-	1	1	
Montana-----	-	-	-	-	62	-	-	20	13	-	-	-	
Idaho-----	-	-	-	-	80	-	-	1	3	-	-	-	
Wyoming-----	-	-	-	-	120	-	-	3	4	-	-	-	
Colorado-----	-	-	-	-	371	-	-	7	1	-	-	-	
New Mexico-----	-	-	-	-	674	-	1	17	14	-	-	1	
Arizona-----	-	-	1	-	207	-	-	10	10	-	1	-	
Utah-----	-	-	1	-	155	-	-	2	2	-	-	-	
Nevada-----	-	1	-	-	-	-	-	4	-	-	-	-	
PACIFIC-----	-	13	8	-	1,377	-	2	86	74	-	2	3	
Washington-----	-	2	1	-	473	-	-	7	5	-	-	-	
Oregon-----	-	1	-	-	42	-	-	1	8	-	-	-	
California-----	-	10	6	-	823	-	2	75	60	-	2	3	
Alaska-----	-	-	-	-	1	-	-	-	1	-	-	-	
Hawaii-----	-	-	1	-	38	-	-	3	-	-	-	-	
Puerto Rico-----	-	-	1	-	1	-	-	22	20	-	-	-	

## 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. 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	50th week ended Dec. 16, 1961	49th week ended Dec. 9, 1961	Adjusted average, 50th week 1956-60	Percent change, adjusted average to current week <sup>1</sup>	Cumulative, first 50 weeks		
					1961	1960	Percent change
TOTAL, 117 REPORTING CITIES-----	11,773	12,281	12,026	-2.1	573,122	574,757	-0.3
New England----- (14 cities)	788*	802	729	+8.1	35,409	36,193	-2.2
Middle Atlantic----- (20 cities)	3,276*	3,333	3,257	+0.6	162,395	159,833	+1.6
East North Central----- (21 cities)	2,521*	2,518	2,561	-1.6	122,540	124,374	-1.5
West North Central----- (9 cities)	732*	811	864	-15.3	39,078	39,869	-2.0
South Atlantic----- (11 cities)	1,041	1,082	1,027	+1.4	49,524	49,199	+0.7
East South Central----- (8 cities)	532	628	527	+0.9	26,042	26,030	+0.05
West South Central----- (13 cities)	1,055	1,015	1,116	-5.5	48,967	49,936	-1.9
Mountain----- (8 cities)	398	411	381	+4.5	18,322	18,074	+1.4
Pacific----- (13 cities)	1,430*	1,681	1,564	-8.6	70,845	71,249	-0.6

\*Includes estimate for missing reports.



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Table 4. DEATHS IN SELECTED CITIES

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

Area	50th week ended Dec. 16, 1961	49th week ended Dec. 9, 1961	Cumulative, first 50 weeks		Area	50th week ended Dec. 16, 1961	49th week ended Dec. 9, 1961	Cumulative, first 50 weeks	
			1961	1960				1961	1960
<b>NEW ENGLAND:</b>					<b>WEST NORTH CENTRAL--Con.:</b>				
Boston, Mass.-----	262	279	12,169	12,537	St. Louis, Mo.-----	246	260	11,832	12,156
Bridgeport, Conn.-----	37	40	1,950	2,033	St. Paul, Minn.-----	54	55	3,284	3,448
Cambridge, Mass.-----	26	39	1,474	1,520	Wichita, Kans.-----	37	51	2,336	2,333
Fall River, Mass.-----	34	34	1,381	1,424	<b>SOUTH ATLANTIC:</b>				
Hartford, Conn.-----	64	51	2,454	2,497	Atlanta, Ga.-----	116	123	5,664	5,868
Lowell, Mass.-----	32	27	1,242	1,182	Baltimore, Md.-----	275	240	12,274	12,557
Lynn, Mass.-----	24	35	1,111	1,222	Charlotte, N.C.-----	39	56	1,833	1,918
New Bedford, Mass.-----	35	20	1,294	1,267	Jacksonville, Fla.-----	73	65	2,914	2,952
New Haven, Conn.-----	30	54	2,240	2,239	Miami, Fla.-----	88	69	3,790	3,556
Providence, R.I.-----	71	75	3,131	3,229	Norfolk, Va.-----	44	46	2,457	1,983
Somerville, Mass.-----	15*	19	662	666	Richmond, Va.-----	76	87	3,894	3,879
Springfield, Mass.-----	51	37	2,211	2,248	Savannah, Ga.-----	16	38	1,620	1,668
Waterbury, Conn.-----	37	30	1,337	1,391	St. Petersburg, Fla.-----	(90)	(61)	(3,363)	(3,538)
Worcester, Mass.-----	70	62	2,753	2,738	Tampa, Fla.-----	67	103	3,268	3,254
<b>MIDDLE ATLANTIC:</b>					Washington, D.C.-----	214	217	9,837	9,634
Albany, N.Y.-----	46*	42	2,305	2,153	Wilmington, Del.-----	33	38	1,973	1,930
Allentown, Pa.-----	39	38	1,719	1,748	<b>EAST SOUTH CENTRAL:</b>				
Buffalo, N.Y.-----	146	156	7,241	7,212	Birmingham, Ala.-----	102	102	4,318	4,266
Camden, N.J.-----	38	51	2,109	2,112	Chattanooga, Tenn.-----	49	45	2,323	2,357
Elizabeth, N.J.-----	1	27	1,447	1,454	Knoxville, Tenn.-----	31	26	1,390	1,401
Erie, Pa.-----	40	40	1,953	1,942	Louisville, Ky.-----	80	165	5,671	5,659
Jersey City, N.J.-----	68	66	3,469	3,501	Memphis, Tenn.-----	129	131	5,718	5,584
Newark, N.J.-----	92	90	5,086	4,826	Mobile, Ala.-----	29	53	2,010	2,071
New York City, N.Y.-----	1,721	1,718	82,965	81,708	Montgomery, Ala.-----	31	42	1,616	1,712
Paterson, N.J.-----	40	33	1,941	1,952	Nashville, Tenn.-----	81	64	2,996	2,980
Philadelphia, Pa.-----	500	515	25,099	24,189	<b>WEST SOUTH CENTRAL:</b>				
Pittsburgh, Pa.-----	214	200	9,590	9,648	Austin, Tex.-----	37	42	1,694	1,675
Reading, Pa.-----	26	26	1,170	1,179	Baton Rouge, La.-----	41	25	1,420	1,434
Rochester, N.Y.-----	95	101	5,058	5,044	Corpus Christi, Tex.-----	29	17	1,105	1,153
Schenectady, N.Y.-----	24	28	1,209	1,173	Dallas, Tex.-----	109	142	6,188	6,224
Scranton, Pa.-----	37	47	1,767	1,934	El Paso, Tex.-----	39	46	1,777	1,886
Syracuse, N.Y.-----	49	60	3,068	3,125	Fort Worth, Tex.-----	52	62	3,223	3,326
Trenton, N.J.-----	45	46	2,244	2,022	Houston, Tex.-----	190	137	8,260	8,296
Utica, N.Y.-----	24	25	1,430	1,351	Little Rock, Ark.-----	45	44	2,788	2,867
Yonkers, N.Y.-----	31*	24	1,525	1,560	New Orleans, La.-----	195	185	8,412	8,926
<b>EAST NORTH CENTRAL:</b>					Oklahoma City, Okla.-----	90	76	3,726	3,759
Akron, Ohio-----	59	50	2,848	2,833	San Antonio, Tex.-----	112	117	5,097	5,001
Canton, Ohio-----	42	49	1,607	1,740	Shreveport, La.-----	54	67	2,546	2,671
Chicago, Ill.-----	746	725	37,002	38,306	Tulsa, Okla.-----	62	55	2,731	2,718
Cincinnati, Ohio-----	147	174	7,832	7,853	<b>MOUNTAIN:</b>				
Cleveland, Ohio-----	208	180	10,110	10,525	Albuquerque, N. Mex.-----	25	28	1,583	1,599
Columbus, Ohio-----	135	119	5,768	5,925	Colorado Springs, Colo.-----	16	20	824	832
Dayton, Ohio-----	79	94	4,000	3,825	Denver, Colo.-----	122	140	5,766	5,979
Detroit, Mich.-----	349	313	16,604	16,724	Ogden, Utah-----	12	10	838	818
Evansville, Ind.-----	37	34	1,813	1,859	Phoenix, Ariz.-----	91	100	4,128	3,817
Flint, Mich.-----	40*	48	2,129	2,013	Pueblo, Colo.-----	26	19	851	807
Fort Wayne, Ind.-----	38	47	1,895	1,824	Salt Lake City, Utah-----	57	52	2,416	2,432
Gary, Ind.-----	33*	24	1,549	1,541	Tucson, Ariz.-----	49	42	1,916	1,790
Grand Rapids, Mich.-----	60	53	2,269	2,059	<b>PACIFIC:</b>				
Indianapolis, Ind.-----	146	165	7,174	7,263	Berkeley, Calif.-----	24	18	851	853
Madison, Wis.-----	40	26	1,670	1,634	Fresno, Calif.-----	(47)	(57)	(2,175)	(2,237)
Milwaukee, Wis.-----	127	145	6,274	6,274	Glendale, Calif.-----	(---)	(38)	(---)	(1,844)
Peoria, Ill.-----	24	24	1,419	1,515	Honolulu, Hawaii-----	42*	43	2,021	2,063
Rockford, Ill.-----	28	34	1,422	1,437	Long Beach, Calif.-----	61	64	2,785	2,753
South Bend, Ind.-----	28*	31	1,429	1,472	Los Angeles, Calif.-----	491	587	25,045	24,958
Toledo, Ohio-----	100	114	4,958	4,984	Oakland, Calif.-----	96	99	4,887	4,806
Youngstown, Ohio-----	55	69	2,905	2,768	Pasadena, Calif.-----	34*	44	1,677	1,726
<b>WEST NORTH CENTRAL:</b>					Portland, Oreg.-----	110*	189	5,417	5,493
Des Moines, Iowa-----	48	78	2,731	2,747	Sacramento, Calif.-----	57*	78	3,096	2,934
Duluth, Minn.-----	16	20	1,271	1,269	San Diego, Calif.-----	72	101	4,467	4,542
Kansas City, Kans.-----	35	46	1,882	1,773	San Francisco, Calif.-----	197*	210	9,713	9,886
Kansas City, Mo.-----	116	128	6,394	6,271	San Jose, Calif.-----	(---)*	(33)	(---)	(1,742)
Lincoln, Nebr.-----	(39)	(29)	(1,415)	(1,283)	Seattle, Wash.-----	159	148	6,580	6,814
Minneapolis, Minn.-----	113*	109	5,905	6,218	Spokane, Wash.-----	45	51	2,386	2,381
Omaha, Nebr.-----	67	64	3,443	3,654	Tacoma, Wash.-----	42*	49	1,920	2,040
					San Juan, P. R.-----	(24)	(25)	(1,635)	(1,722)

\*Estimate - based on average percentage of divisional total.

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

**Morbidity and Mortality Weekly Report**

**Illinois** - Several towns in the southernmost part of Illinois have a high prevalence of school absenteeism. Acute blood specimens have been collected.

**Florida** - Increased school absenteeism has been reported from Broward County in South Florida, and from Flagler and Duval Counties in Northeast Florida. Reported previously was an outbreak of Type B influenza among school bus riders in Miami.

**International Notes**

**Saskatchewan** - The epidemic of respiratory disease which began in November in Regina may now be considered to be province-wide in extent. A third influenza-associated death was reported, apparently from a fulminating viral pneumonia in a 36-year-old male.

**United Kingdom** - Several outbreaks of Influenza B have occurred in November and early December in different parts of the United Kingdom. Cities where Influenza B has been identified are Belfast, Ireland; Carmarthen, Wales; Oxford and Manchester, England.

Information for this summary was obtained from: Dr. Emory Johnson, Division of Indian Health, U. S. Public Health Service; Dr. Jack B. Eason, Arizona State Department of Health; Dr. Henry Renteln, California State Department of Public Health; Dr. Grant Skinner, Oregon State Board of Health; Dr. Ernest Ager and Dr. John Francis, Washington State Department of Health; Dr. Cecil S. Mollohan, Colorado State Department of Public Health; Dr. Norman J. Rose, Illinois Department of Public Health; Dr. James O. Bond, Florida State Board of Health; Dr. E. W. R. Best, Department of National Health and Welfare, Ottawa, Canada; Dr. H. G. Pereira, World Influenza Center, London, England.

**Hepatitis** - The number of hepatitis cases reported this week continues at a level approximately ten percent greater than that reported last year. The increased incidence this season is apparent in all except the Mountain and Pacific districts. An increasing proportion of hepatitis cases among adults in California has been observed in recent weeks. This is the only State in which the proportion of adult cases significantly exceeds a 50 percent level.

Hepatitis Cases by Age - California

Week	Under 20	Over 20	Unspec.	Total	Percent over 20
45	39	50	3	92	56.2
46	47	61	5	113	56.5
47	37	56	6	99	60.2
48	41	67	3	111	62.0
49	47	82	6	135	63.6
50	45	84	6	135	65.1

**International Notes - Quarantine Measures**

No changes

**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.

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