

# Morbidity and Mortality

Weekly  
Report

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

423

Prepared by the COMMUNICABLE DISEASE CENTER MEIrose 4-5131

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PROVISIONAL INFORMATION ON SELECTED NOTIFIABLE DISEASES IN THE UNITED STATES AND ON DEATHS IN SELECTED CITIES FOR WEEK ENDED JANUARY 6, 1962

**Influenza** - Outbreaks of acute respiratory disease were observed in three additional States; Tennessee, Iowa, and Georgia. This brings to 12 the number of States reporting outbreaks thus far this season; Type B influenza virus has been confirmed in eight.

Along the West Coast, the outbreaks are generally subsiding with no significant extension to unaffected areas. A number of additional epidemics have been reported from the Missouri - Southern Illinois area.

Additional confirmations of Influenza B were noted in Washington, Oregon, and California. No isolations of Type A influenza virus have yet been made in the United States.

Reported influenza and pneumonia deaths from the 108 major cities in the United States rose moderately this week to 613 exceeding the "epidemic threshold" by about 10 percent.

Sharp epidemics of influenza were reported by the press services this week to be extant in Warsaw, Poland, and Madrid, Spain. Outbreaks of Type B influenza continue in the United Kingdom with excess pneumonia and influenza deaths showing progressive increases through the end of December.

**California, Oregon, and Washington** - Epidemics throughout these States are generally waning with normal levels of school absenteeism in most urban areas. Pre-

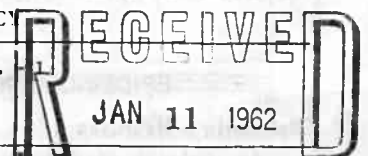
Table 1. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
(Cumulative totals include revised and delayed reports through previous week)

Disease	1st Week			Cumulative		
	Ended	Ended	Median 1957 - 1961	First week		
	Jan. 6, 1962	Jan. 7, 1961		1962	1961	Median 1957 - 1961
Aseptic meningitis.....	9	25	---	9	25	---
Brucellosis.....	4	9	10	4	9	10
Diphtheria.....	16	20	21	16	20	21
Encephalitis, infectious.....	17	25	23	17	25	23
Hepatitis, infectious and serum.....	1,143	1,012	507	1,143	1,012	507
Measles.....	5,895	6,261	6,650	5,895	6,261	6,650
Meningococcal infections.....	45	37	41	45	37	41
Poliomyelitis, total.....	6	8	19	6	8	19
Paralytic.....	2	3	11	2	3	11
Nonparalytic.....	3	2	2	3	2	2
Unspecified.....	1	3	6	1	3	6
Streptococcal sore throat and Scarlet fever.....	5,982	7,596	---	5,982	7,596	---
Tetanus.....	2	---	---	2	---	---
Tularemia.....	10	---	---	10	---	---
Typhoid fever.....	5	6	11	5	6	11
Typhus fever, tick-borne, (Rocky Mountain spotted).....	1	---	---	1	---	---
Rabies in Animals.....	57	42	67	57	42	67

Table 2. NOTIFIABLE DISEASES OF LOW FREQUENCY

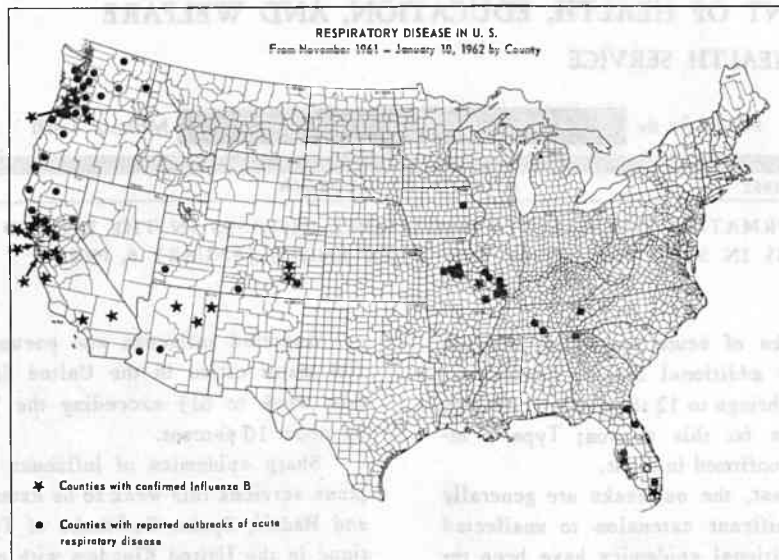
Anthrax:  
Botulism:  
Malaria: Hawaii - 1, Ga. 1  
Plague:

Psittacosis: Wisc. - 1, Calif. 1  
Rabies in Man:  
Smallpox:  
Typhus, murine: Ga. - 1



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viously reported outbreaks of acute respiratory disease have been confirmed as Influenza B in Lake and Stanislaus Counties, California; Wasco and Washington Counties, Oregon; and in Southwestern Washington.

**Missouri, Illinois** - Outbreaks of acute respiratory disease are extending locally in Southern Illinois and in Central and Eastern Missouri.

**Tennessee, Georgia** - Increased school absenteeism reflecting epidemic respiratory disease has been noted in Knox, Lincoln, and Maury Counties in Tennessee and in Gilmer County in North Georgia.

**Iowa** - An acute outbreak of respiratory disease has resulted in 40 percent absenteeism in the consolidated school in Hazleton (Buchanan County) Iowa. Intensive epidemiologic and laboratory studies have been initiated.

**Hepatitis** - There were 1143 cases of hepatitis reported for the first week of 1962. This represents 129 cases more than reported for the first week of 1961. It is of interest to note that the marked increase in reported cases of hepatitis during 1961 began with reports received during the second and third week.

**Diphtheria** - Diphtheria continues at a record low level with only 16 cases reported for the first week of 1962. A summary of a focal outbreak from Nebraska is included under Epidemiological Reports.

#### EPIDEMIOLOGICAL REPORTS

##### Diphtheria - Nebraska

An outbreak of diphtheria among adults has been reported in Omaha, Nebraska. On November 27 an un-

employed white male who had spent a night in a mission for homeless men became ill with diphtheria. On December 15 the janitor of a nearby hotel who occasionally ate at the mission died of diphtheria. Since then there have been two additional cases and three carriers among middle-aged, homeless white males who live at the mission or nearby hotel. All diagnoses have been verified by culture and virulence testing. One carrier has been found among hospital personnel caring for the patients. Further investigation of contacts is now in progress. There is no evidence of spread of the disease to the general community. An immunization program centered on the group of men primarily involved is planned. (Reported by Dr. Edwin Lyman, Health Director, Douglas County Health Department, and a team from the Communicable Disease Center).

##### Streptococcal Food Poisoning - Minnesota

An estimated 700 cases of sore throat due to Group A beta-hemolytic streptococcus occurred in a closed college community of approximately 2,150 persons in late November 1961 in Stearns County, Minnesota. Most of the cases occurred within the three-day period of November 25-27. Mass prophylaxis treatment was started on December 5, 1961.

Symptoms consisted of sore throat, chills, fever, dysphagia, malaise, and headache. Examination revealed beefy, red, swollen throats and tonsils often with exudate. No rash was observed.

A beta-hemolytic streptococcus was identified in approximately 40 percent of throat cultures obtained from sick, untreated individuals.

(Continued on page 3)

The epidemic probably had its source in the college cafeteria, but a specific food item was not identified. Two members of the kitchen personnel admitted having had sore throats eight days and two weeks, respectively,

before the outbreak.

(Reported by D. S. Fleming, M.D., Director, Division of Disease Prevention and Control, Minnesota Department of Health).

**MORTALITY SUMMARY**

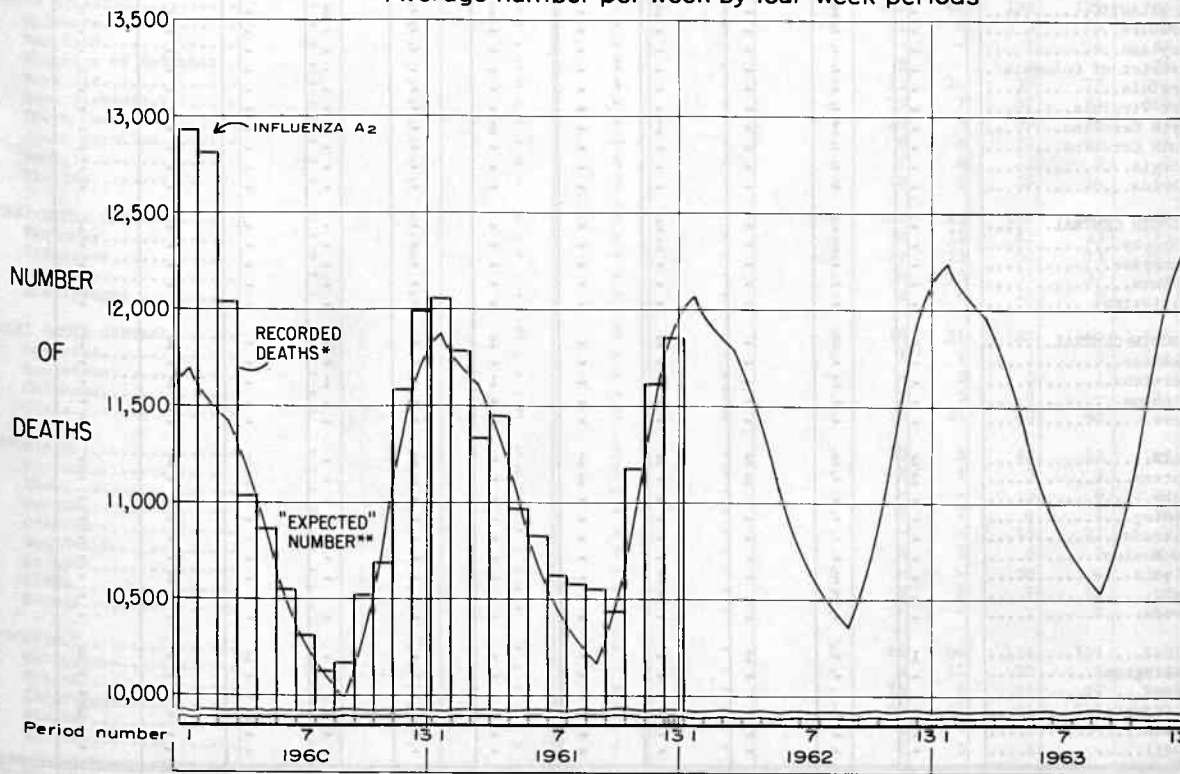
The chart presented below shows the average weekly number of deaths from all causes in 108 United States cities by four-week periods. The last bar on the graph includes the four weeks ending January 6th. Weekly data for this period are given in Table 4 on page 7 of this week's report.

The smooth curve labelled "expected number" was constructed by fitting a Fourier series of two terms (with a linear trend component) to data for the period 1954-61. A detailed description of the method is available on request to the Statistics Section, Epidemiology Branch, Communicable Disease Center. The fitted curve

has been projected two years in the future in order to provide a reference frame with a two-fold purpose: (1) recognition of unusual incidence as illustrated in the chart by excess mortality associated with an Influenza A<sub>2</sub> outbreak early in 1960 and (2) detection of change in the secular trend of mortality in the group of cities.

A cautionary note is advisable in interpretation of the chart since the deaths are by place of occurrence. Changes in the number of deaths thus represent not only change in death rates but also reflect change in the size and composition of the urban populations and the utilization of hospital centers which serve surrounding areas.

**TOTAL DEATHS RECORDED IN 108 U.S. CITIES**  
Average number per week by four-week periods



\* BY PLACE OF OCCURRENCE

\*\* CALCULATED FROM 1954-'60 EXPERIENCE









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Table 4 (A) TOTAL DEATHS IN REPORTING CITIES

(Tables 4(A), 4(B), 4(C), and 4(D) will be published in sequence covering a four-week period, see Chart, page 3)

Area	For weeks ending				Area	For weeks ending				
	12/16/61	12/23/61	12/30/61	1/6/62		12/16/61	12/23/61	12/30/61	1/6/62	
<b>NEW ENGLAND:</b>					<b>SOUTH ATLANTIC:</b>					
Boston, Mass. ....	262	284	251	262	Atlanta, Ga. ....	116	124	130	129	
Bridgeport, Conn. ....	37	43	43	46	Baltimore, Md. ....	275	287	251	276	
Cambridge, Mass. ....	26	42	38	38	Charlotte, N.C. ....	39	37	31	62	
Fall River, Mass. ....	34	24	23	31	Jacksonville, Fla. ....	73	56	85	89	
Hartford, Conn. ....	64	56	64	43	Miami, Fla. ....	88	77	88	83	
Lowell, Mass. ....	32	24	32	35	Norfolk, Va. ....	44	56	55	62	
Lynn, Mass. ....	24	24	20	31	Richmond, Va. ....	76	69	91	92	
New Bedford, Mass. ....	35	33	29	33	Savannah, Ga. ....	16	24	27	34	
New Haven, Conn. ....	30	53	39	44	St. Petersburg, Fla. ....	90	86	76	88	
Providence, R.I. ....	71	59	73	63	Tampa, Fla. ....	67	53	56	83	
Somerville, Mass. ....	14	10	12	19	Washington, D.C. ....	214	209	238	219	
Springfield, Mass. ....	51	35	56	50	Wilmington, Del. ....	33	42	46	54	
Waterbury, Conn. ....	37	36	31	28	<b>EAST SOUTH CENTRAL:</b>					
Worcester, Mass. ....	70	46	79	62	Birmingham, Ala. ....	102	99	66	101	
<b>MIDDLE ATLANTIC:</b>					Chattanooga, Tenn. ....	49	43	36	49	
Albany, N.Y. ....	47	65	59	33	Knoxville, Tenn. ....	31	21	26	22	
Allentown, Pa. ....	39	33	38	55	Louisville, Ky. ....	80	145	103	74	
Buffalo, N.Y. ....	146	153	150	149	Memphis, Tenn. ....	129	76	102	142	
Camden, N.J. ....	38	55	48	51	Mobile, Ala. ....	29	58	61	52	
Elizabeth, N.J. ....	33	27	35	29	Montgomery, Ala. ....	31	35	43	25	
Erie, Pa. ....	40	45	41	53	Nashville, Tenn. ....	81	54	55	83	
Jersey City, N.J. ....	68	73	77	98	<b>WEST SOUTH CENTRAL:</b>					
Newark, N.J. ....	92	81	139	110	Austin, Tex. ....	37	30	37	39	
New York City, N.Y. ....	1,721	1,785	1,893	1,817	Baton Rouge, La. ....	41	30	23	40	
Paterson, N.J. ....	40	36	42	39	Corpus Christi, Tex. ....	29	13	16	23	
Philadelphia, Pa. ....	500	463	390	420	Dallas, Tex. ....	109	130	134	143	
Pittsburgh, Pa. ....	214	162	154	239	El Paso, Tex. ....	39	36	38	41	
Reading, Pa. ....	26	22	29	32	Fort Worth, Tex. ....	52	54	63	84	
Rochester, N.Y. ....	95	112	116	113	Houston, Tex. ....	190	165	141	257	
Schenectady, N.Y. ....	24	15	27	24	Little Rock, Ark. ....	45	89	48	74	
Scranton, Pa. ....	37	33	32	46	New Orleans, La. ....	195	170	182	211	
Syracuse, N.Y. ....	49	70	56	51	Oklahoma City, Okla. ....	90	78	64	79	
Trenton, N.J. ....	45	53	52	37	San Antonio, Tex. ....	112	107	118	131	
Utica, N.Y. ....	24	33	31	26	Shreveport, La. ....	54	39	38	51	
Yonkers, N.Y. ....	36	35	35	30	Tulsa, Okla. ....	62	53	53	69	
<b>EAST NORTH CENTRAL:</b>					<b>MOUNTAIN:</b>					
Akron, Ohio. ....	59	49	65	58	Albuquerque, N. Mex. ....	25	30	42	44	
Canton, Ohio. ....	42	38	37	45	Colorado Springs, Colo. ...	16	19	18	23	
Chicago, Ill. ....	746	825	813	859	Denver, Colo. ....	122	99	84	123	
Cincinnati, Ohio. ....	147	139	160	183	Ogden, Utah. ....	12	24	15	16	
Cleveland, Ohio. ....	208	221	216	213	Phoenix, Ariz. ....	91	82	102	84	
Columbus, Ohio. ....	135	121	129	128	Pueblo, Colo. ....	26	15	19	23	
Dayton, Ohio. ....	79	82	93	71	Salt Lake City, Utah. ....	57	56	46	60	
Detroit, Mich. ....	349	387	327	358	Tucson, Ariz. ....	49	48	37	41	
Evansville, Ind. ....	37	30	38	35	<b>PACIFIC:</b>					
Flint, Mich. ....	35	47	52	53	Berkeley, Calif. ....	24	18	15	20	
Fort Wayne, Ind. ....	38	43	38	34	Fresno, Calif. ....	47	59	34	27	
Gary, Ind. ....	30	41	36	26	Glendale, Calif. ....	27	24	41	49	
Grand Rapids, Mich. ....	60	49	46	62	Honolulu, Hawaii. ....	37	36	38	44	
Indianapolis, Ind. ....	146	154	156	175	Long Beach, Calif. ....	61	59	61	51	
Madison, Wis. ....	40	30	30	35	Los Angeles, Calif. ....	491	554	510	577	
Milwaukee, Wis. ....	127	136	107	127	Oakland, Calif. ....	96	97	100	104	
Peoria, Ill. ....	24	42	36	33	Pasadena, Calif. ....	34	49	36	46	
Rockford, Ill. ....	28	34	24	33	Portland, Ore. ....	77	174	99	120	
South Bend, Ind. ....	25	25	33	24	Sacramento, Calif. ....	50	60	70	73	
Toledo, Ohio. ....	100	97	93	117	San Diego, Calif. ....	72	80	76	94	
Youngstown, Ohio. ....	55	53	74	48	San Francisco, Calif. ....	219	207	245	190	
<b>WEST NORTH CENTRAL:</b>					San Jose, Calif. ....	38	45	39	46	
Des Moines, Iowa. ....	48	45	67	60	Seattle, Wash. ....	159	164	139	113	
Duluth, Minn. ....	16	28	26	33	Spokane, Wash. ....	45	64	48	58	
Kansas City, Kans. ....	35	35	36	40	Tacoma, Wash. ....	38	39	49	50	
Kansas City, Mo. ....	116	142	129	123	San Juan, P.R. ....	24	35	29	34	
Lincoln, Nebr. ....	39	20	26	41	<b>Current Week Mortality for 108 Selected Cities</b>					
Minneapolis, Minn. ....	122	142	116	118	4(A) Total Mortality, all ages. ....					12,382
Omaha, Nebr. ....	67	97	77	81	4(B) Pneumonia-Influenza Deaths, all ages. ....					613
St. Louis, Mo. ....	246	296	231	334	4(C) Total Deaths under 1 Year of Age. ....					794
St. Paul, Minn. ....	54	64	115	64	4(D) Total Deaths, Persons 65 years and over. ....					6,960
Wichita, Kans. ....	37	46	31	42						

NOTE: All deaths by place of occurrence.

## International Notes - Quarantine Measures

## Smallpox

**England** - No secondary cases of smallpox have been reported from either London or Birmingham since the report of two cases imported from Karachi, Pakistan.

**Dusseldorf, Germany** - Dusseldorf was declared infected with smallpox on January 4 following importation of one case of smallpox from Liberia and two local secondary cases.

The imported case occurred in a German engineer who arrived in Dusseldorf on December 2, after traveling by plane from Liberia. An overnight stay was made in Paris on December 1. He had been vaccinated against smallpox on August 12, 1959. He became mildly ill on December 15 but was not hospitalized until January 1, 1961, when his wife and child were hospitalized with smallpox.

The entire environment of these patients has been quarantined and an intensive smallpox vaccination campaign has been started.

**Schaffhausen, Switzerland** - One clinically diagnosed case of smallpox said to have originated from the original case imported into Dusseldorf, Germany, was reported January 8. An intensive smallpox vaccination has been instituted in Schaffhausen.

The recent European cases of smallpox are described in the table below:

Area of Case Occurrence	Place of Exposure	Date of Arrival	Onset of Illness
Birmingham, England			
Male, adult	Karachi, Pakistan	12/19/61	12/18/61
London, England			
Male, 24 yrs. old	Karachi, Pakistan	12/25/61	12/25/61 (died 1/8/62)
Dusseldorf, Germany			
Male, adult	Liberia	12/2/61	12/15/61
Child	Dusseldorf	-----	12/31/61
Female, adult	Dusseldorf	-----	1/1/62
Schaffhausen, Switzerland			
Male, 26 yrs. old	Dusseldorf 12/26 - 12/27	(Returned to Schaffhausen after 12/27)	1/5/62

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In addition to the established procedures for reporting morbidity and mortality, the Communicable Disease Center welcomes accounts of interesting outbreaks or cases. Such accounts should be addressed to:

Editor, Morbidity and Mortality Weekly Report  
Communicable Disease Center  
Atlanta 22, Georgia

Notes: These provisional data are based on weekly telegrams to the Communicable Disease Center by the individual State health departments.

Symbols: --- Data not available  
- Quantity zero

Procedures for construction of various mortality curves may be obtained from Statistics Section, Communicable Disease Center, Public Health Service, U. S. Department of Health, Education, and Welfare, Atlanta 22, Georgia.

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