

Morbidity and Mortality

Weekly Report

PUBLIC HEALTH SERVICE

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

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Prepared by the COMMUNICABLE DISEASE CENTER

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Vol. 10, No. 33

Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended August 19, 1961

Type I Oral Polio Vaccine - On August 17, 1961, the Surgeon General of the Public Health Service, Dr. Luther L. Terry, announced the grant of a license to Pfizer Ltd. for the manufacture of live oral polio vaccine, Type I. The Public Health Service has purchased 900,000 doses of this vaccine to be held in reserve at the Communicable Disease Center for use in the event of an epidemic or epidemic threat of Type I polio anywhere in the U. S. A local community will be able to request the vaccine through their State Health Department if at least 3 cases of polio have occurred in the community within a month and if at least two have been confirmed to be Type I by laboratory analysis.

Poliomyelitis - There was a 28 percent increase in the total number of cases reported this week, and a 33 percent increase in paralytic cases, compared to figures for the previous week. The total for the current week was 69 cases of which 48 were paralytic. For the previous week, the total was 54, including 36 paralytic cases.

The figures for the current week are the highest reported this year but are less than half those reported for the comparable week in 1960. The cumulative totals for the first 33 weeks and for comparable weeks during each of the past four years are shown below.

(Continued on page 2)

Table 1. Cases of Specified Notifiable Diseases, United States

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

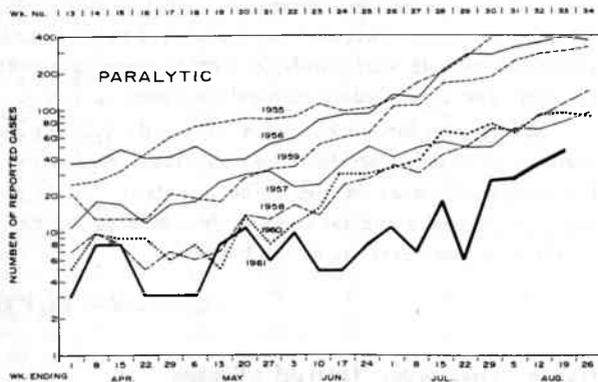
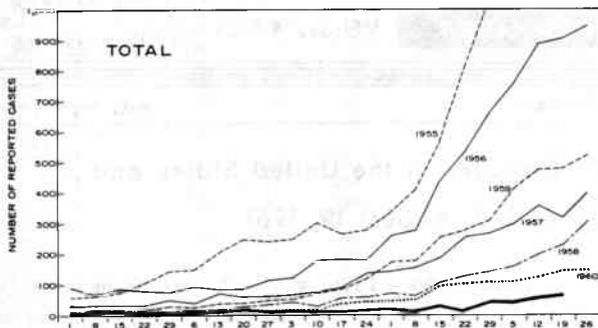
Disease (Seventh Revision of International Lists, 1955)	33rd Week			Cumulative						Approximate seasonal low point
	Ended Aug. 19, 1961	Ended Aug. 20, 1960	Median 1956-60	First 33 weeks			Since seasonal low week			
				1961	1960	Median 1956-60	1960-61	1959-60	Median 1955-56 to 1959-60	
* Weekly incidence low or sporadic										
--- Data not available	1961	1960								
- Quantity zero										
Anthrax-----062	-	-	*	5	10	*	*	*	*	*
Botulism-----049.1	-	-	*	4	8	*	*	*	*	*
Brucellosis (undulant fever)-----044	10	19	16	388	534	524	*	*	*	*
Diphtheria-----055	13	5	10	353	383	471	44	56	74	July 1
Encephalitis, infectious-----082	37	57	58	1,000	1,120	1,061	1,000	1,120	1,061	Jan. 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	1,044	737	279	50,775	24,137	13,535	65,982	31,645	19,259	Sept. 1
Malaria-----110-117	2	7	*	37	44	*	*	*	*	*
Measles-----085	1,465	1,541	1,534	383,739	397,562	445,057	419,949	430,169	481,726	Sept. 1
Meningitis, aseptic-----340 pt.	129	136	---	1,415	1,363	---	1,415	1,363	---	Jan. 1
Meningococcal infections-----057	39	32	30	1,453	1,487	1,634	2,109	2,217	2,394	Sept. 1
Poliomyelitis-----080	69	150	319	485	1,224	3,238	382	1,011	2,710	Apr. 1
Paralytic-----080.0,080.1	48	97	81	318	874	1,054	258	720	779	Apr. 1
Nonparalytic-----080.2	13	35	190	107	257	1,678	82	224	1,517	Apr. 1
Unspecified-----080.3	8	18	48	60	93	506	42	67	414	Apr. 1
Psittacosis-----096.2	1	-	*	46	68	*	*	*	*	*
Rabies in man-----094	-	-	*	3	1	*	*	*	*	*
Streptococcal sore throat, including scarlet fever-----050,051	2,812	3,180	---	228,148	217,956	---	8,937	---	---	Aug. 1
Typhoid fever-----040	30	19	39	451	483	582	337	352	402	Apr. 1
Typhus fever, endemic-----101	1	-	*	25	50	*	*	*	*	*
Rabies in animals-----	49	63	65	2,271	2,499	3,020	2,847	3,472	3,885	Oct. 1

Plague - Massachusetts - See detailed report in MMR, Vol. 10, No. 31

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CURRENT U.S. POLIO INCIDENCE
COMPARED WITH YEARS 1955-1960; APRIL-AUGUST, BY WEEK

PROVISIONAL DATA SUPPLIED BY NATIONAL OFFICE OF VITAL STATISTICS
AND COMMUNICABLE DISEASE CENTER



Polio myelitis Cases (Cumulative) through 33rd Week
for 1957-1961

	1961	1960	1959	1958	1957
Paralytic	323	874	2,201	835	1,057
Total	490	1,224	3,401	1,691	3,242

Both Florida and New York reported nine cases this week. Eight of the Florida cases are from the small county of Gadsden in northwest Florida where seven paralytic cases and one nonparalytic case have occurred between July 6 and August 2. The seven paralytic cases were all unvaccinated Negro children. There have been no cases since August 2. Type I poliovirus has been isolated from one case. An intensive immunization program using formalin-inactivated vaccine is under way.

Of the nine cases in New York, the five paralytic cases were from the Madison-Oneida County area. Last week's summary included a report of these five cases. Not yet reflected in the telegraphic reports are eight additional paralytic cases from this area. This brings the total to 14 paralytic cases with onsets between August 1 and August 19. Specimens for isolation and typing are

under study in the State laboratory. Additional information on the recent cases will be presented next week.

The six paralytic cases in Maryland include four more from the Type III outbreak in Frederick County. This brings the year's total in this outbreak to 13 paralytic cases. Nine of these cases are in the 5-14 year old age group with the remaining four under five. Eight of 12 cases with vaccination status known are unvaccinated and three have had three or more doses of formalin-inactivated vaccine. An intensive immunization program is continuing.

Hepatitis - The current weekly total of 1,044 cases of hepatitis is approximately the same as has been reported for the past six weeks.

EPIDEMIOLOGICAL REPORTS

Enteropathogenic *E. coli* Epidemic - Illinois and Indiana

During the fall and winter of 1960 and 1961, a progressive increase in the incidence and severity of diarrhea among infants was noted in the metropolitan Chicago-northwestern Indiana area. The illnesses were generally severe, often accompanied or preceded by nonspecific respiratory symptoms and notable by the severity of vomiting, diarrhea, dehydration and electrolyte disturbances. Cooperative investigations, continuing to date, were initiated by the Illinois State Department of Health, the Cook County Health Department, the Chicago Board of Health, the Indiana State Board of Health, local health departments of Lake County, and the Communicable Disease Center.

Over a ten-month period beginning in August 1960, 1,373 cases of gastroenteritis were hospitalized in 25 hospitals in south central Chicago and Cook County and in four hospitals in Lake County, Indiana. In the epidemic areas, over 4% of children in the highly susceptible 0 to 6 month age group experienced at least one hospitalization for gastroenteritis. A total of 76 deaths due to gastroenteritis occurred during the outbreak.

The number of hospitalized cases rose steadily throughout the fall and reached a peak in late December and January. The number of admissions remained at a high level until early March when a progressive decline occurred.

The majority of cases (86%) were between 0 and 18 months of age; only 8% were in the susceptible neonatal period. Most cases were among white children, the percentage reflecting racial distribution in the area. Over 40% had had some hospital contact within the preceding 30 days.

Of patients cultured, *E. coli* O 111:B4 was obtained from 40% of the group. The organisms were resistant, by

(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 AUGUST 20, 1960 AND AUGUST 19, 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			
	33rd Week		Cumulative, first 33 weeks		33rd Week		Cumulative, first 33 weeks		080.2			
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960		
UNITED STATES-----	69	150	485	1,224	48	97	318	874	13	35	129	10
NEW ENGLAND-----	3	10	8	115	1	7	6	95	-	3	21	-
Maine-----	-	1	-	7	-	1	-	7	-	-	-	-
New Hampshire-----	1	-	1	-	-	-	-	-	-	-	-	-
Vermont-----	1	1	2	1	1	1	2	1	-	-	-	-
Massachusetts-----	1	3	3	17	-	1	2	13	-	2	12	-
Rhode Island-----	-	1	-	80	-	-	-	64	-	1	9	-
Connecticut-----	-	4	2	10	-	4	2	10	-	-	-	-
MIDDLE ATLANTIC-----	12	34	48	147	7	27	40	114	4	6	4	1
New York-----	9	20	27	89	5	14	21	65	3	5	2	1
New Jersey-----	2	3	12	30	2	2	11	26	-	1	-	-
Pennsylvania-----	1	11	9	28	-	11	8	23	1	-	2	-
EAST NORTH CENTRAL-----	5	28	44	162	2	20	24	89	3	7	28	2
Ohio-----	-	5	14	36	-	4	6	16	-	1	4	-
Indiana-----	-	11	4	31	-	8	3	21	-	2	-	-
Illinois-----	2	10	14	55	-	7	7	38	2	3	11	2
Michigan-----	3	2	7	33	2	1	6	13	1	1	13	-
Wisconsin-----	-	-	5	7	-	-	2	1	-	-	-	-
WEST NORTH CENTRAL-----	4	4	30	66	2	1	13	37	-	3	24	5
Minnesota-----	-	-	3	24	-	-	3	18	-	-	24	1
Iowa-----	4	-	10	10	2	-	4	2	-	-	-	2
Missouri-----	-	-	8	10	-	-	2	7	-	-	-	-
North Dakota-----	-	2	1	5	-	-	-	2	-	2	-	-
South Dakota-----	-	-	-	3	-	-	-	1	-	-	-	1
Nebraska-----	-	1	3	5	-	1	2	4	-	-	-	-
Kansas-----	-	1	5	9	-	-	2	3	-	1	-	1
SOUTH ATLANTIC-----	23	16	107	196	21	10	83	139	1	5	5	1
Delaware-----	-	-	2	-	-	-	1	-	-	-	-	-
Maryland-----	6	4	17	7	6	4	17	6	-	-	-	-
District of Columbia-----	-	-	1	-	-	-	1	-	-	-	-	-
Virginia-----	2	1	8	7	2	1	6	5	-	-	5	-
West Virginia-----	-	-	11	16	-	-	7	13	-	-	-	-
North Carolina-----	1	2	8	38	1	-	6	32	-	2	-	-
South Carolina-----	2	8	10	81	1	4	8	51	-	3	-	-
Georgia-----	3	1	25	6	3	1	19	5	-	-	-	1
Florida-----	9	-	25	41	8	-	18	27	1	-	-	-
EAST SOUTH CENTRAL-----	4	18	40	65	3	3	21	46	-	1	8	-
Kentucky-----	-	14	18	22	-	-	4	5	-	-	1	-
Tennessee-----	2	3	10	11	2	2	6	9	-	1	1	-
Alabama-----	1	-	6	9	1	-	6	9	-	-	1	-
Mississippi-----	1	1	6	23	-	1	5	23	-	-	5	-
WEST SOUTH CENTRAL-----	12	7	84	152	8	3	44	90	3	4	6	-
Arkansas-----	3	3	6	11	3	2	4	5	-	1	-	-
Louisiana-----	3	1	25	38	3	-	18	24	-	1	-	-
Oklahoma-----	1	-	3	8	-	-	-	5	-	-	-	-
Texas-----	5	3	50	95	2	1	22	56	3	2	6	-
MOUNTAIN-----	2	2	37	39	2	-	22	19	-	1	1	-
Montana-----	-	-	3	13	-	-	2	9	-	-	1	-
Idaho-----	1	-	12	5	1	-	6	1	-	-	-	-
Wyoming-----	-	1	-	7	-	-	-	-	-	-	-	-
Colorado-----	1	1	5	5	1	-	5	4	-	1	-	-
New Mexico-----	-	-	3	2	-	-	-	-	-	-	-	-
Arizona-----	-	-	7	4	-	-	5	4	-	-	-	-
Utah-----	-	-	7	3	-	-	4	1	-	-	-	-
Nevada-----	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC-----	4	31	87	282	2	26	65	245	2	5	32	1
Washington-----	-	1	15	16	-	1	11	16	-	-	2	-
Oregon-----	1	-	11	20	1	-	4	13	-	-	-	1
California-----	3	30	59	238	1	25	48	208	2	5	30	-
Alaska-----	-	-	-	2	-	-	-	2	-	-	-	-
Hawaii-----	-	-	2	6	-	-	2	6	-	-	-	-
Puerto Rico-----	-	18	5	390	-	18	5	383	-	-	-	-

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED AUGUST 20, 1960 AND AUGUST 19, 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	
	33rd Week		Cumulative, first 33 weeks		082		33rd Week		Cumulative, first 33 weeks		085	
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960
UNITED STATES-----	13	5	353	383	37	57	1,044	737	50,775	24,137	1,465	1,541
NEW ENGLAND-----	-	-	6	10	1	-	41	25	1,417	730	127	115
Maine-----	-	-	-	2	-	-	4	2	94	46	7	14
New Hampshire-----	-	-	-	-	-	-	3	-	96	21	14	3
Vermont-----	-	-	-	-	-	-	4	1	156	11	31	7
Massachusetts-----	-	-	5	7	1	-	22	9	528	365	49	73
Rhode Island-----	-	-	-	1	-	-	5	2	182	145	3	7
Connecticut-----	-	-	1	-	-	-	3	11	361	142	23	11
MIDDLE ATLANTIC-----	-	1	19	12	11	8	104	102	7,031	2,702	166	241
New York-----	-	1	7	3	10	1	46	67	2,941	1,429	88	174
New Jersey-----	-	-	-	1	-	7	18	4	1,692	193	16	35
Pennsylvania-----	-	-	12	8	1	-	40	31	2,398	1,080	62	32
EAST NORTH CENTRAL-----	-	1	15	33	4	10	226	98	10,233	4,427	430	530
Ohio-----	-	-	1	14	-	1	86	33	3,465	1,485	70	65
Indiana-----	-	-	1	5	-	6	19	9	1,592	511	6	79
Illinois-----	-	-	10	4	4	-	51	15	1,769	896	178	20
Michigan-----	1	-	3	9	-	3	68	41	3,156	1,367	102	143
Wisconsin-----	-	-	-	1	-	-	2	-	251	168	74	223
WEST NORTH CENTRAL-----	-	-	29	18	-	13	92	35	5,045	1,761	29	28
Minnesota-----	-	-	18	5	-	-	20	12	1,105	194	1	3
Iowa-----	-	-	1	2	-	-	35	2	1,464	298	6	3
Missouri-----	-	-	-	2	-	1	18	12	1,133	649	1	5
North Dakota-----	-	-	2	1	-	2	1	3	121	135	21	17
South Dakota-----	-	-	6	5	-	-	1	-	133	122	-	-
Nebraska-----	-	-	2	1	-	-	4	-	523	186	-	-
Kansas-----	-	-	-	2	-	10	13	6	566	177	NN	NN
SOUTH ATLANTIC-----	8	1	71	101	5	2	127	83	6,333	2,896	126	72
Delaware-----	-	-	-	-	-	-	1	4	147	183	1	4
Maryland-----	-	-	1	1	-	2	3	11	602	299	33	8
District of Columbia-----	-	-	2	-	-	-	3	1	76	33	17	2
Virginia-----	1	-	14	10	1	-	19	32	1,010	587	42	20
West Virginia-----	-	-	1	4	-	-	14	11	1,190	539	26	17
North Carolina-----	-	-	7	5	1	-	30	7	1,337	245	1	-
South Carolina-----	3	-	5	31	-	-	2	-	323	47	1	6
Georgia-----	1	-	15	20	-	-	17	2	596	189	1	-
Florida-----	3	1	26	30	3	-	38	15	1,052	774	4	15
EAST SOUTH CENTRAL-----	-	-	25	40	1	10	130	84	7,652	3,520	85	79
Kentucky-----	-	-	8	1	-	-	25	19	2,263	1,334	6	25
Tennessee-----	-	-	3	6	-	2	55	37	3,045	1,152	67	49
Alabama-----	-	-	9	20	-	-	28	18	1,347	752	6	4
Mississippi-----	-	-	5	13	1	8	22	10	997	282	6	1
WEST SOUTH CENTRAL-----	5	2	176	135	5	2	70	68	3,708	1,996	182	128
Arkansas-----	1	-	4	4	1	-	11	11	735	100	-	1
Louisiana-----	1	1	21	29	-	-	14	4	395	93	-	-
Oklahoma-----	1	-	5	6	1	-	3	4	246	256	67	-
Texas-----	2	1	146	96	3	2	42	49	2,332	1,547	115	127
MOUNTAIN-----	-	-	7	33	1	5	50	43	3,127	1,953	108	106
Montana-----	-	-	2	3	1	-	5	3	283	79	17	17
Idaho-----	-	-	-	11	-	-	5	7	230	244	14	3
Wyoming-----	-	-	-	5	-	-	4	-	125	22	5	-
Colorado-----	-	-	4	3	-	1	19	12	1,054	696	44	20
New Mexico-----	-	-	-	4	-	4	2	-	345	245	NN	-
Arizona-----	-	-	-	3	-	-	3	7	475	451	17	30
Utah-----	-	-	-	4	-	-	10	8	519	177	8	31
Nevada-----	-	-	1	-	-	-	2	6	96	39	3	5
PACIFIC-----	-	-	5	1	9	7	204	199	6,229	4,152	212	242
Washington-----	-	-	-	-	2	-	27	13	712	464	26	16
Oregon-----	-	-	-	-	1	-	23	36	974	692	58	76
California-----	-	-	1	-	6	7	145	141	4,310	2,788	118	135
Alaska-----	-	-	4	1	-	-	9	-	193	145	9	14
Hawaii-----	-	-	-	-	-	-	-	9	40	63	1	1
Puerto Rico-----	2	2	46	102	-	-	27	24	664	539	11	17

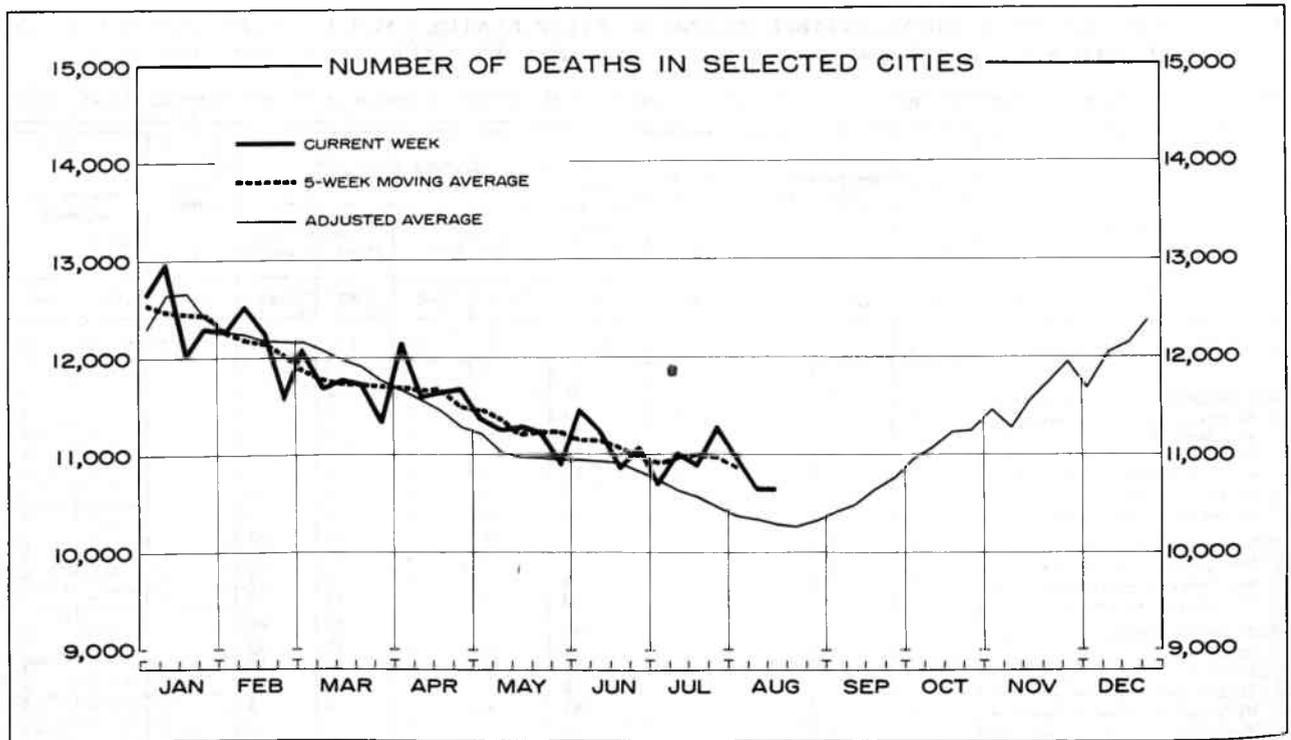
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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED AUGUST 20, 1960 AND AUGUST 19, 1961 - Continued

(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	33rd Week		Cumulative, first 33 weeks		101	1961	1960
	1961	1960	1961	1960	1961	1961	1961	1960	1961	1960	1961	1961	1960
UNITED STATES-----	2	39	32		1	2,812	30	19	451	483	1	49	63
NEW ENGLAND-----	1	3	2		1	99	1	-	9	7	-	-	-
Maine-----	-	2	-		-	4	-	-	1	2	-	-	-
New Hampshire-----	-	-	-		-	3	-	-	-	-	-	-	-
Vermont-----	-	-	-		-	17	-	-	-	-	-	-	-
Massachusetts-----	1	1	-		1	16	1	-	4	2	-	-	-
Rhode Island-----	-	-	-		-	3	-	-	1	-	-	-	-
Connecticut-----	-	-	2		-	56	-	-	3	3	-	-	-
MIDDLE ATLANTIC-----	-	7	5		-	49	1	2	50	37	-	5	7
New York-----	-	3	3		-	30	-	1	25	23	-	5	6
New Jersey-----	-	2	1		-	6	-	-	12	1	-	-	-
Pennsylvania-----	-	2	1		-	13	1	1	13	13	-	-	1
EAST NORTH CENTRAL-----	-	11	8		-	152	4	3	56	60	-	3	10
Ohio-----	-	1	2		-	17	-	1	18	15	-	1	7
Indiana-----	-	-	-		-	24	1	1	12	15	-	-	1
Illinois-----	-	1	1		-	28	2	-	22	17	-	2	-
Michigan-----	-	8	5		-	41	-	-	2	8	-	-	1
Wisconsin-----	-	1	-		-	42	1	1	2	5	-	-	1
WEST NORTH CENTRAL-----	-	1	7		-	86	-	-	27	27	-	16	19
Minnesota-----	-	1	-		-	2	-	-	5	1	-	2	5
Iowa-----	-	-	1		-	11	-	-	1	4	-	9	3
Missouri-----	-	-	2		-	1	-	-	15	17	-	4	7
North Dakota-----	-	-	-		-	68	-	-	-	1	-	1	1
South Dakota-----	-	-	-		-	-	-	-	3	1	-	-	-
Nebraska-----	-	-	4		-	-	-	-	1	2	-	-	3
Kansas-----	-	-	-		-	4	-	-	2	1	-	-	-
SOUTH ATLANTIC-----	-	4	1		-	211	4	3	73	76	-	3	3
Delaware-----	-	2	-		-	1	-	-	1	1	-	-	-
Maryland-----	-	1	-		-	5	-	-	1	1	-	-	-
District of Columbia-----	-	-	-		-	3	-	-	9	6	-	-	-
Virginia-----	-	-	1		-	76	2	-	7	16	-	2	3
West Virginia-----	-	-	-		-	43	2	2	8	5	-	1	-
North Carolina-----	-	-	-		-	5	-	-	12	8	-	-	-
South Carolina-----	-	-	-		-	6	-	-	5	10	-	-	-
Georgia-----	-	-	-		-	7	-	1	21	20	-	-	-
Florida-----	-	1	-		-	65	-	-	9	9	-	-	-
EAST SOUTH CENTRAL-----	1	2	6		-	691	3	3	47	62	-	-	11
Kentucky-----	1	-	-		-	30	-	-	8	13	-	-	4
Tennessee-----	-	1	2		-	625	3	3	32	34	-	-	4
Alabama-----	-	1	-		-	2	-	-	6	10	-	-	3
Mississippi-----	-	-	4		-	34	-	-	1	5	-	-	-
WEST SOUTH CENTRAL-----	-	3	-		-	586	6	6	102	153	1	17	7
Arkansas-----	-	-	-		-	1	-	4	12	36	-	5	4
Louisiana-----	-	1	-		-	1	3	1	11	53	-	-	-
Oklahoma-----	-	-	-		-	4	-	1	10	10	-	-	-
Texas-----	-	2	-		-	580	3	-	69	54	1	12	3
MOUNTAIN-----	-	7	-		-	692	7	1	41	21	-	-	2
Montana-----	-	-	-		-	58	5	-	13	5	-	-	-
Idaho-----	-	-	-		-	41	-	-	1	-	-	-	-
Wyoming-----	-	3	-		-	-	1	1	3	4	-	-	-
Colorado-----	-	3	-		-	276	1	-	6	-	-	-	1
New Mexico-----	-	-	-		-	117	-	-	7	6	-	-	1
Arizona-----	-	1	-		-	112	-	-	6	6	-	-	-
Utah-----	-	-	-		-	88	-	-	2	-	-	-	-
Nevada-----	-	-	-		-	-	-	-	3	-	-	-	-
PACIFIC-----	-	1	3		-	246	4	1	46	40	-	5	4
Washington-----	-	-	-		-	72	-	-	7	4	-	-	-
Oregon-----	-	-	-		-	23	-	-	-	7	-	-	-
California-----	-	1	3		-	136	4	1	39	29	-	5	4
Alaska-----	-	-	-		-	15	-	-	-	-	-	-	-
Hawaii-----	-	-	-		-	-	-	-	-	-	-	-	-
Puerto Rico-----	-	2	-		-	2	1	-	13	16	-	-	-

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	33rd week ended August 19, 1961	32nd week ended August 12, 1961	Adjusted average, 33rd week 1956-60	Percent change, adjusted average to current week	Cumulative, first 33 weeks		
					1961	1960	Percent change
TOTAL, 117 REPORTING CITIES-----	10,639	10,641	10,283	+3.5	381,137	386,118	-1.3
New England----- (14 cities)	675	595	602	+12.1	23,427	24,189	-3.2
Middle Atlantic----- (20 cities)	3,082	2,925	2,773	+11.1	108,790	106,740	+1.9
East North Central----- (21 cities)	2,205*	2,274	2,183	+1.0	81,365	83,356	-2.4
West North Central----- (9 cities)	699	787	743	-5.9	25,921	26,880	-3.6
South Atlantic----- (11 cities)	900	972	868	+3.7	32,955	33,347	-1.2
East South Central----- (8 cities)	487	481	476	+2.3	17,246	17,569	-1.8
West South Central----- (13 cities)	925	947	976	-5.2	32,474	34,056	-4.6
Mountain----- (8 cities)	330	334	324	+1.9	12,149	12,044	+0.9
Pacific----- (13 cities)	1,336	1,326	1,338	-0.1	46,810	47,937	-2.4

*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	33rd week ended August 19, 1961	32nd week ended August 12, 1961	Cumulative, first 33 weeks		Area	33rd week ended August 19, 1961	32nd week ended August 12, 1961	Cumulative, first 33 weeks	
			1961	1960				1961	1960
NEW ENGLAND:					WEST NORTH CENTRAL--Con.:				
Boston, Mass.-----	253	214	8,031	8,451	St. Louis, Mo.-----	206	234	7,824	8,266
Bridgeport, Conn.-----	31	41	1,273	1,370	St. Paul, Minn.-----	58	61	2,186	2,349
Cambridge, Mass.-----	29	19	961	1,045	Wichita, Kans.-----	32	53	1,530	1,536
Fall River, Mass.-----	34	19	902	944	SOUTH ATLANTIC:				
Hartford, Conn.-----	53	40	1,589	1,614	Atlanta, Ga.-----	90	113	3,763	3,940
Lowell, Mass.-----	18	18	809	807	Baltimore, Md.-----	229	222	8,216	8,442
Lynn, Mass.-----	18	15	724	798	Charlotte, N.C.-----	33	38	1,177	1,322
New Bedford, Mass.-----	18	21	875	806	Jacksonville, Fla.-----	46	48	1,895	2,035
New Haven, Conn.-----	44	35	1,528	1,502	Miami, Fla.-----	76	82	2,537	2,464
Providence, R.I.-----	56	40	2,059	2,128	Norfolk, Va.-----	44	51	1,676	1,370
Somerville, Mass.-----	8	14	446	449	Richmond, Va.-----	56	84	2,618	2,639
Springfield, Mass.-----	37	36	1,504	1,544	Savannah, Ga.-----	28	33	1,076	1,168
Waterbury, Conn.-----	22	34	907	922	St. Petersburg, Fla.-----	(56)	(50)	(2,323)	(2,424)
Worcester, Mass.-----	54	49	1,819	1,809	Tampa, Fla.-----	73	67	2,256	2,228
MIDDLE ATLANTIC:					Washington, D.C.-----	199	189	6,422	6,480
Albany, N.Y.-----	41	37	1,532	1,476	Wilmington, Del.-----	26	45	1,319	1,259
Allentown, Pa.-----	23	32	1,140	1,159	EAST SOUTH CENTRAL:				
Buffalo, N.Y.-----	155	143	4,928	4,910	Birmingham, Ala.-----	66	89	2,854	2,875
Camden, N.J.-----	40	49	1,427	1,430	Chattanooga, Tenn.-----	43	46	1,567	1,569
Elizabeth, N.J.-----	23	32	945	978	Knoxville, Tenn.-----	25	25	919	967
Erie, Pa.-----	41	31	1,312	1,301	Louisville, Ky.-----	138	108	3,827	3,841
Jersey City, N.J.-----	79	52	2,330	2,336	Memphis, Tenn.-----	110	82	3,788	3,778
Newark, N.J.-----	111	76	3,383	3,186	Mobile, Ala.-----	29	40	1,328	1,372
New York City, N.Y.-----	1,481	1,482	55,464	54,197	Montgomery, Ala.-----	29	32	1,035	1,163
Paterson, N.J.-----	26	39	1,290	1,276	Nashville, Tenn.-----	47	59	1,928	2,004
Philadelphia, Pa.-----	509	506	17,152	16,463	WEST SOUTH CENTRAL:				
Pittsburgh, Pa.-----	189	90	6,335	6,472	Austin, Tex.-----	27	24	1,124	1,165
Reading, Pa.-----	29	27	779	784	Chattanooga, La.-----	15	29	921	954
Rochester, N.Y.-----	120	100	3,326	3,326	Corpus Christi, Tex.-----	26	23	738	827
Schenectady, N.Y.-----	25	17	802	798	Dallas, Tex.-----	102	123	4,095	4,229
Scranton, Pa.-----	33	42	1,178	1,250	El Paso, Tex.-----	39	32	1,171	1,283
Syracuse, N.Y.-----	61	73	2,008	2,045	Fort Worth, Tex.-----	66	75	2,128	2,256
Trenton, N.J.-----	40	49	1,483	1,400	Houston, Tex.-----	177	145	5,473	5,673
Utica, N.Y.-----	25	25	940	922	Little Rock, Ark.-----	43	55	1,836	1,926
Yonkers, N.Y.-----	31	23	1,036	1,031	New Orleans, La.-----	170	179	5,577	6,125
EAST NORTH CENTRAL:					Oklahoma City, Okla.-----	67	80	2,493	2,501
Akron, Ohio-----	59	55	1,893	1,880	San Antonio, Tex.-----	106	85	3,396	3,435
Canton, Ohio-----	28	23	1,015	1,154	Shreveport, La.-----	38	37	1,694	1,808
Chicago, Ill.-----	676	704	24,628	25,744	Tulsa, Okla.-----	49	60	1,828	1,874
Cincinnati, Ohio-----	122	144	5,199	5,228	MOUNTAIN:				
Cleveland, Ohio-----	153	219	6,779	7,073	Albuquerque, N. Mex.-----	30	24	1,038	1,024
Columbus, Ohio-----	126	99	3,772	3,924	Colorado Springs, Colo.---	11	12	531	561
Dayton, Ohio-----	49	68	2,666	2,445	Denver, Colo.-----	97	103	3,796	3,940
Detroit, Mich.-----	312	255	11,095	11,468	Ogden, Utah-----	19	15	553	555
Evansville, Ind.-----	39	33	1,197	1,207	Phoenix, Ariz.-----	72	86	2,763	2,585
Flint, Mich.-----	42	40	1,425	1,332	Pueblo, Colo.-----	17	17	555	541
Fort Wayne, Ind.-----	33*	43	1,274	1,234	Salt Lake City, Utah-----	56	47	1,631	1,639
Gary, Ind.-----	31	30	1,015	1,061	Tucson, Ariz.-----	28	30	1,282	1,199
Grand Rapids, Mich.-----	39	51	1,505	1,398	PACIFIC:				
Indianapolis, Ind.-----	126	152	4,756	4,895	Berkeley, Calif.-----	18	23	567	562
Madison, Wis.-----	36	36	1,076	1,060	Fresno, Calif.-----	(49)	(41)	(1,483)	(1,524)
Milwaukee, Wis.-----	114	97	4,077	4,136	Glendale, Calif.-----	(23)	(26)	(1,104)	(1,298)
Peoria, Ill.-----	24	37	933	980	Honolulu, Hawaii-----	47	43	1,335	1,371
Rockford, Ill.-----	29	26	938	964	Long Beach, Calif.-----	52	34	1,813	1,840
South Bend, Ind.-----	16	20	952	941	Los Angeles, Calif.-----	435	465	16,530	17,031
Toledo, Ohio-----	88	85	3,259	3,373	Oakland, Calif.-----	78	96	3,215	3,200
Youngstown, Ohio-----	63	57	1,911	1,859	Pasadena, Calif.-----	29	36	1,095	1,141
WEST NORTH CENTRAL:					Portland, Oreg.-----	108	80	3,553	3,675
Des Moines, Iowa-----	59	58	1,768	1,848	Sacramento, Calif.-----	62	64	2,077	1,937
Duluth, Minn.-----	32	30	861	844	San Diego, Calif.-----	82	83	2,917	2,999
Kansas City, Kans.-----	38	36	1,257	1,151	San Francisco, Calif.-----	199	191	6,532	6,637
Kansas City, Mo.-----	124	109	4,237	4,282	San Jose, Calif.-----	(42)	(36)	(1,170)	(1,171)
Lincoln, Nebr.-----	(25)	(32)	(868)		Seattle, Wash.-----	133	113	4,348	4,605
Minneapolis, Minn.-----	101	130	3,967	4,129	Spokane, Wash.-----	49	62	1,541	1,555
Omaha, Nebr.-----	49	76	2,291	2,475	Tacoma, Wash.-----	44	36	1,287	1,384
					San Juan, P. R.-----	(33)	(30)	(1,132)	(1,172)

*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.

disc sensitivity tests, to all commonly employed antibiotics.

Continued surveillance and study of the problem is being carried out and a number of preventive measures have been instituted.

It is pertinent to note that this is the second major outbreak of *E. coli* O 111:B4 diarrhea recorded this winter. The first outbreak in Louisiana was described in the MMWR Vol. 10, No. 8.

(Reported by Dr. Norman J. Rose, Chief, Bureau of Epidemiology, Illinois Department of Public Health and Dr. John A. Googins, State Epidemiologist, Indiana State Board of Health.)

Rabies in a Flying Squirrel - Florida

On June 16, near St. Petersburg, a small flying squirrel (*Glaucomys volans querceti*) was found on the ground by several young boys, captured and carried home. In the process, two of the boys were bitten on the fingers. The following day the squirrel was noted to be foaming at the mouth and about noon it died.

Negri bodies were demonstrated in the brain tissue by Mr. H. D. Venters, Director, Florida State Board of Health Regional Laboratory. Confirmation by fluorescein tagged antibody examination and by mouse injection was made by the State Laboratory.

Although extensive trapping was carried out in the open pine woods area where the squirrel was obtained, only two cotton rats and seven flying squirrels were obtained. (Juveniles from an adjacent sub-division exert a heavy hunting pressure). The two cotton rats had been destroyed by insects when retrieved; the seven squirrels showed no evidence of rabies on examination.

The rabies picture in Florida is unique in that approximately one-half of the total raccoon rabies in the U. S. is reported from this State; a relatively large percent of bat rabies in the U. S. has also been reported from Florida. Both these species are tree dwellers. This first case of rabies in a flying squirrel adds another species of tree dwelling animals in which rabies has been found in Florida.

(Reported by J. E. Scatterday, Director, Division of Veterinary Public Health, Florida State Board of Health.)

International Notes

On August 17, Hong Kong was declared a cholera infected port. Official reports from World Health Organization as of August 23 confirmed 20 cases of cholera and 3 deaths. This is the first time in 14 years that cholera has been reported from Hong Kong. On August 18 at the request of Hong Kong authorities, the U. S. Government shipped 250,000 cc. of cholera vaccine to Hong Kong for use in control of the epidemic. The Chinese Nationalist Government on Taiwan has also initiated a cholera immunization program.

Epidemics of cholera and cholera-like disease have been occurring in the last several months in many areas of the Far East (Mainland China, Macao, Sarawak, and Java) which have reportedly been free of cholera for over 14 years.

Cholera immunization for travelers to the Far East is strongly recommended.

QUARANTINE MEASURES

Immunization Information for International Travel

No Changes Reported

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LAST WEEK'S MORBIDITY AND MORTALITY WEEKLY
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