

Morbidity and Mortality

Weekly Report

PUBLIC HEALTH SERVICE

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

Prepared by the COMMUNICABLE DISEASE CENTER MEIrose 4-5131

For release March 10, 1961

Atlanta 22, Georgia

Vol. 10, No. 9

Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended March 4, 1961

Influenza - Reports of influenza within the continental United States continue to be noticeably absent.

Hepatitis - The 2,091 cases reported this week slightly exceed last week's record high.

121 illnesses were investigated and of these, one hundred, including 73 paralytic and 27 non-paralytic, have been recorded as 1960 cases. Polio virus type I has been isolated thus far from 44 of the paralytic and all of the non-paralytic cases.

This epidemic was unusually early in starting (May 21) reached a peak in mid-July and fell off earlier than the epidemics of the past. The accompanying figure shows the cases by week of onset. The cases were concentrated in middle lower and lower socioeconomic children residing primarily in Providence and Pawtucket. Eighty-five percent of the paralytic cases were children under 10 years

EPIDEMIOLOGICAL REPORTS

Poliomyelitis - Rhode Island

During the summer of 1960, Rhode Island suffered its first poliomyelitis epidemic in five years. A total of

Table 1. Cases of Specified Notifiable Diseases, United States

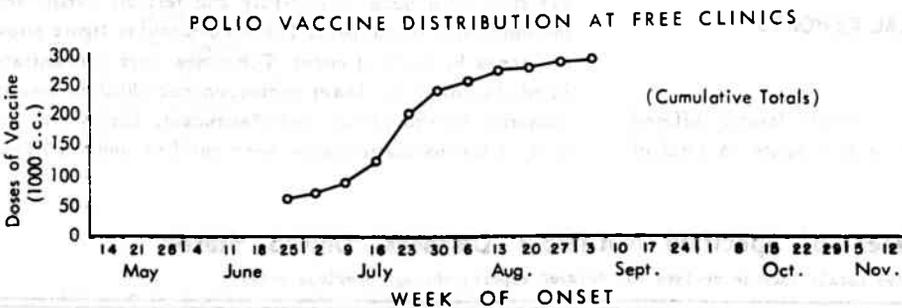
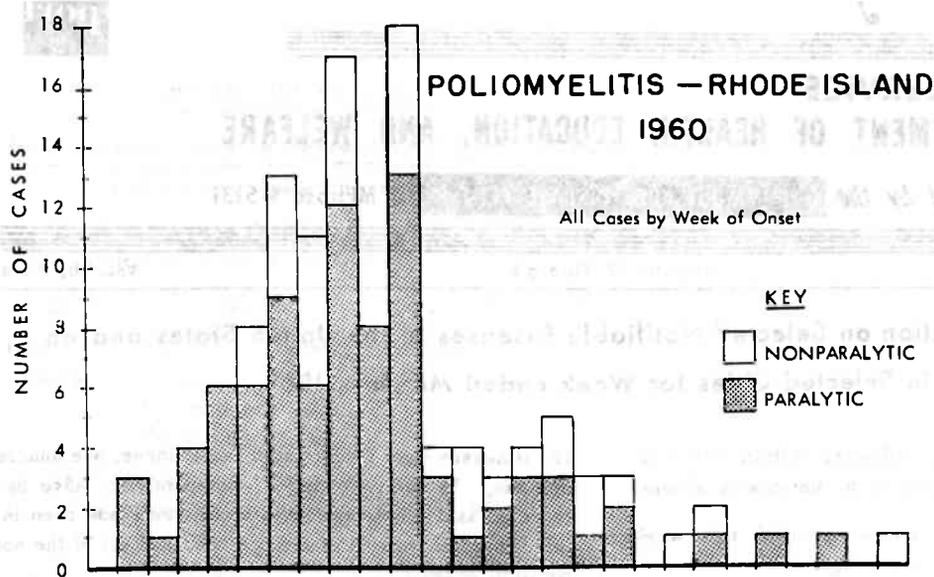
(Cumulative totals include revised and delayed reports through previous week)

Disease (Seventh Revision of International Lists, 1955)	9th Week			Cumulative					Approximate seasonal low point
	Ended March 4, 1961	Ended March 5, 1960	Median 1956-60	First 9 weeks			Since seasonal low week		
				1961	1960	Median 1956-60	1960-61	1959-60	
* Weekly incidence low or sporadic									
--- Data not available									
- Quantity zero									
Anthrax-----062	-	4	*	-	4	*	*	*	*
Botulism-----049.1	-	-	*	-	3	*	*	*	*
Brucellosis (undulant fever)-----044	13	15	15	80	142	130	*	*	*
Diphtheria-----055	9	15	22	164	181	186	744	711	915
Encephalitis, infectious-----082	28	29	27	198	228	181	198	228	181
Hepatitis, infectious, and serum-----092,N998.5 pt.	2,091	716	567	15,542	6,598	4,584	30,745	14,440	9,717
Malaria-----110-117	1	3	*	7	9	*	*	*	*
Measles-----085	14,250	13,484	16,761	92,327	85,685	101,587	128,537	121,772	134,046
Meningitis, aseptic-----340 pt.	19	31	---	203	264	---	203	264	---
Meningococcal infections-----057	43	54	66	460	502	516	1,114	1,166	1,284
Poliomyelitis-----080	5	16	19	78	169	189	3,144	8,443	8,443
Paralytic-----080.0,080.1	1	7	17	43	118	135	2,152	5,619	5,619
Nonparalytic-----080.2	3	6	1	17	29	28	640	2,146	2,146
Unspecified-----080.3	1	3	1	18	22	26	352	678	678
Scabies-----096.2	2	2	*	10	16	*	*	*	*
Rabies in man-----094	-	-	*	2	-	*	*	*	*
Streptococcal sore throat, including scarlet fever-----050,051	10,643	10,087	---	85,196	79,090	---	182,848	---	---
Typhoid fever-----040	13	10	13	80	83	130	782	810	1,142
Typhus fever, endemic-----101	-	-	*	6	5	*	*	*	*
Rabies in animals-----	89	79	96	550	712	805	1,126	1,694	1,694

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children had three or more doses of vaccine and the attack rate among vaccinated persons was actually very low and among the unvaccinated very high. The estimated effectiveness of vaccine in Rhode Island was 81%, which compares with findings in other recent outbreaks.

Over 50% of the cases had a traceable contact with another case and 11 families had multiple cases which accounted for 26 cases.

During the epidemic 500,000 doses of vaccine were distributed, 300,000 from free clinics and the remaining by private practitioners. As indicated in the lower part of the figure, the greatest part of this vaccine was distributed during July directly prior to the sudden fall off in the epidemic.

(Reported by Dr. Raymond F. McAteer, Medical Director, Division of Communicable Diseases, Rhode Island Department of Health.)

of age. The following table shows the age distribution of paralytic cases by vaccination status. More than 56% of the paralytic cases had either no doses or one dose of vaccine. On the other hand, 26% had received a full series of three or more doses. Although this might be seen as a relatively high number of vaccine failures, it was found by comparing the number of cases in each group with the number at risk that a far greater proportion of

Undiagnosed Epidemic Exanthem - Vermont

An outbreak of illness with exanthem has been occurring in a Vermont college preparatory school for boys age 14 to 19 years. The first case was noted on January 18, and 34 of the 75 boys have since been ill.

The illness is characterized by some or all of the following symptoms and signs: a generalized skin rash, moderately severe sore throat without exudate, mild fever usually not more than 102°, severe headache, dizziness, pain in or behind the eyes, weakness, cervical and auricular lymphadenopathy and conjunctival injection. Also noted frequently are irritability, malaise, and anorexia. Occasionally there is gastric disturbance, and infrequently, muscle aching and joint pain. Hepatosplenomegaly has not been noted.

The exanthem is quite characteristic, although it does not occur in all cases. It appears at the onset of

(Continued on page 8)

PARALYTIC WITH RESIDUAL

Age Group	Doses of Vaccine					Total	Percent
	0	1	2	3	4		
0-4	12	12	7	4	3	38	52.1
5-9	5	7	5	5	1	24	32.9
10-14	-	-	1	3	1	5	6.8
15-19	1	-	-	-	-	1	1.4
20-29	2	2	-	1	-	5	6.8
30+	-	-	-	-	-	-	-
TOTAL	20	21	13	13	5	73	100.0
PERCENT	27.4	28.8	17.8	17.8	6.8	100.0	

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED MARCH 5, 1960 AND MARCH 4, 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 (undu- lant fever) 044
	Total (Includes cases not specified by type)				Paralytic 080.0,080.1				Nonparalytic			
	9th Week		Cumulative, first 9 weeks		9th Week		Cumulative, first 9 weeks		080.2			
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960		
UNITED STATES-----	5	16	78	169	1	7	43	118	3	6	19	13
NEW ENGLAND-----	-	1	2	6	-	1	2	6	-	-	-	-
Maine-----	-	1	-	2	-	1	-	2	-	-	-	-
New Hampshire-----	-	-	-	-	-	-	-	-	-	-	-	-
Vermont-----	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts-----	-	-	1	4	-	-	1	4	-	-	-	-
Rhode Island-----	-	-	-	-	-	-	-	-	-	-	-	-
Connecticut-----	-	-	1	-	-	-	1	-	-	-	-	-
MIDDLE ATLANTIC-----	-	1	7	28	-	-	6	19	-	1	-	1
New York-----	-	-	2	26	-	-	1	17	-	1	-	-
New Jersey-----	-	-	1	2	-	-	1	2	-	-	-	1
Pennsylvania-----	-	-	4	-	-	-	4	-	-	-	-	-
EAST NORTH CENTRAL-----	-	7	12	22	-	-	7	4	-	4	5	-
Ohio-----	-	2	7	13	-	-	3	2	-	-	-	-
Indiana-----	-	-	-	-	-	-	-	-	-	-	1	-
Illinois-----	-	-	2	3	-	-	2	2	-	-	1	-
Michigan-----	-	4	1	4	-	-	1	-	-	4	3	-
Wisconsin-----	-	1	2	2	-	-	1	-	-	-	-	-
WEST NORTH CENTRAL-----	-	-	1	8	-	-	1	5	-	-	1	9
Minnesota-----	-	-	1	4	-	-	1	4	-	-	-	-
Iowa-----	-	-	-	2	-	-	-	1	-	-	-	7
Missouri-----	-	-	-	1	-	-	-	-	-	-	-	1
North Dakota-----	-	-	-	-	-	-	-	-	-	-	-	-
South Dakota-----	-	-	-	1	-	-	-	-	-	-	1	-
Nebraska-----	-	-	-	-	-	-	-	-	-	-	-	-
Kansas-----	-	-	-	-	-	-	-	-	-	-	-	1
SOUTH ATLANTIC-----	1	1	7	33	-	1	5	27	1	-	2	-
Delaware-----	-	-	1	-	-	-	1	-	-	-	2	-
Maryland-----	-	-	-	-	-	-	-	-	-	-	-	-
District of Columbia-----	-	-	-	-	-	-	-	-	-	-	-	-
Virginia-----	-	-	-	-	-	-	-	-	-	-	-	-
West Virginia-----	1	-	1	2	-	-	-	2	1	-	-	-
North Carolina-----	-	1	2	12	-	1	2	12	-	-	-	-
South Carolina-----	-	-	-	2	-	-	-	2	-	-	-	-
Georgia-----	-	-	1	1	-	-	1	1	-	-	-	-
Florida-----	-	-	2	16	-	-	1	10	-	-	-	-
EAST SOUTH CENTRAL-----	1	-	10	4	-	-	-	3	1	-	2	-
Kentucky-----	1	-	10	3	-	-	-	2	1	-	1	-
Tennessee-----	-	-	-	-	-	-	-	-	-	-	-	-
Alabama-----	-	-	-	-	-	-	-	-	-	-	-	-
Mississippi-----	-	-	-	1	-	-	-	1	-	-	1	-
WEST SOUTH CENTRAL-----	1	-	9	9	-	-	4	7	1	-	1	2
Arkansas-----	-	-	1	-	-	-	-	-	-	-	-	-
Louisiana-----	-	-	3	4	-	-	2	3	-	-	-	2
Oklahoma-----	-	-	-	1	-	-	-	1	-	-	-	-
Texas-----	1	-	5	4	-	-	2	3	1	-	1	-
MOUNTAIN-----	1	-	13	10	-	-	7	6	-	-	2	1
Montana-----	-	-	1	4	-	-	1	3	-	-	-	-
Idaho-----	-	-	2	4	-	-	-	1	-	-	-	-
Wyoming-----	-	-	-	-	-	-	-	-	-	-	-	-
Colorado-----	-	-	3	-	-	-	3	-	-	-	-	-
New Mexico-----	1	-	1	-	-	-	-	-	-	-	2	-
Arizona-----	-	-	2	2	-	-	1	2	-	-	-	-
Utah-----	-	-	4	-	-	-	2	-	-	-	-	1
Nevada-----	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC-----	1	6	17	49	1	5	11	41	-	1	6	-
Washington-----	-	1	-	4	-	1	-	4	-	-	-	-
Oregon-----	-	-	2	7	-	-	1	3	-	-	-	-
California-----	1	5	15	37	1	4	10	33	-	1	6	-
Alaska-----	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii-----	-	-	-	1	-	-	-	1	-	-	-	-
Puerto Rico-----	-	-	1	12	-	-	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 MARCH 5, 1960 AND MARCH 4, 1961 - Continued

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

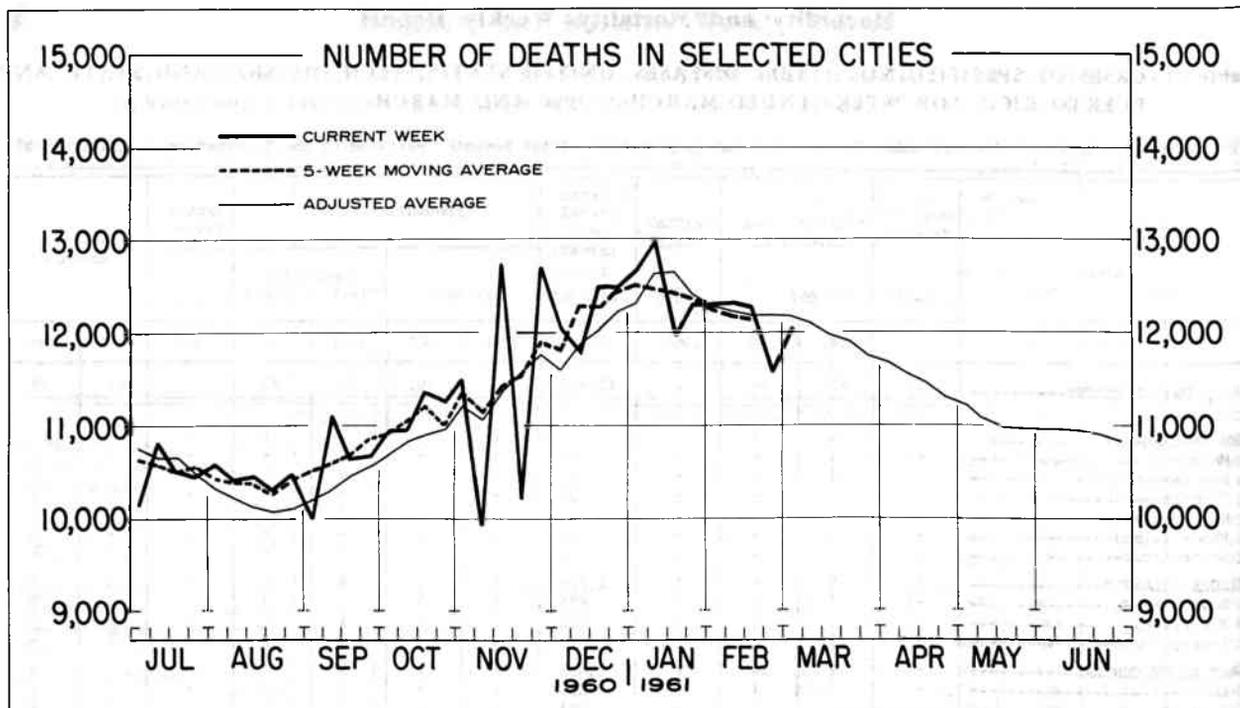
Area	Diphtheria 055				Encephalitis, infectious		Hepatitis, infectious, and serum 092, N998.5 pt.				Measles	
	9th Week		Cumulative, first 9 weeks		082		9th Week		Cumulative, first 9 weeks		085	
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960
UNITED STATES-----	9	15	164	181	28	29	2,091	716	15,542	6,598	14,250	13,484
NEW ENGLAND-----	-	-	2	5	2	5	66	10	492	221	1,052	796
Maine-----	-	-	-	1	-	-	4	-	24	14	11	69
New Hampshire-----	-	-	-	-	-	-	7	1	31	1	6	14
Vermont-----	-	-	-	-	-	-	3	-	82	5	39	2
Massachusetts-----	-	-	2	3	1	3	22	8	152	114	582	485
Rhode Island-----	-	-	-	1	-	1	9	1	68	42	304	24
Connecticut-----	-	-	-	-	1	1	21	-	135	45	110	202
MIDDLE ATLANTIC-----	-	1	3	6	3	6	387	87	2,262	609	2,398	2,039
New York-----	-	-	2	1	2	4	171	59	951	306	1,239	1,670
New Jersey-----	-	-	-	-	1	-	97	5	446	42	342	274
Pennsylvania-----	-	1	1	5	-	2	119	23	865	261	817	95
EAST NORTH CENTRAL-----	2	1	4	15	-	3	467	166	3,035	1,235	4,043	3,364
Ohio-----	-	1	-	9	-	-	203	57	1,270	337	1,060	508
Indiana-----	-	-	-	3	-	-	79	22	436	172	268	318
Illinois-----	2	-	3	1	-	-	82	41	507	279	474	887
Michigan-----	-	-	1	2	-	3	94	41	739	346	823	963
Wisconsin-----	-	-	-	-	-	-	9	5	83	101	1,418	688
WEST NORTH CENTRAL-----	1	-	9	11	1	-	201	30	1,540	588	730	215
Minnesota-----	1	-	5	2	-	-	48	6	375	55	13	97
Iowa-----	-	-	1	2	-	-	60	4	349	105	222	60
Missouri-----	-	-	-	1	-	-	54	16	364	192	342	10
North Dakota-----	-	-	-	1	-	-	4	1	37	58	106	48
South Dakota-----	-	-	3	4	-	-	7	-	87	86	1	-
Nebraska-----	-	-	-	-	1	-	17	1	143	51	46	-
Kansas-----	-	-	-	1	-	-	11	2	185	41	NN	NN
SOUTH ATLANTIC-----	3	3	29	41	7	3	220	66	1,730	754	1,738	694
Delaware-----	-	-	-	-	-	-	4	7	43	39	52	4
Maryland-----	-	-	-	-	-	2	41	2	166	67	142	142
District of Columbia-----	-	-	-	-	-	-	3	1	16	7	5	82
Virginia-----	-	-	6	7	1	-	38	14	217	168	368	239
West Virginia-----	-	-	1	1	-	-	38	20	397	169	293	42
North Carolina-----	-	-	3	1	1	-	60	2	370	34	425	19
South Carolina-----	-	-	-	12	1	-	10	3	145	20	138	11
Georgia-----	-	-	3	3	-	1	5	11	181	76	-	4
Florida-----	3	3	16	17	4	-	21	6	195	174	315	151
EAST SOUTH CENTRAL-----	1	1	4	18	1	-	316	89	2,732	1,130	1,722	1,050
Kentucky-----	-	-	2	-	-	-	94	30	879	515	877	219
Tennessee-----	1	-	2	2	-	-	142	26	1,165	326	555	541
Alabama-----	-	-	-	10	-	-	43	24	432	228	228	149
Mississippi-----	-	1	-	6	1	-	37	9	256	61	62	141
WEST SOUTH CENTRAL-----	2	7	110	61	3	1	156	57	1,016	471	579	2,574
Arkansas-----	-	-	-	1	-	1	36	1	219	25	233	13
Louisiana-----	-	2	11	11	-	-	12	-	42	21	-	7
Oklahoma-----	-	-	2	5	-	-	4	6	90	73	1	49
Texas-----	2	5	97	44	3	-	104	50	665	352	345	2,505
MOUNTAIN-----	-	2	3	23	1	1	80	64	1,063	636	681	665
Montana-----	-	-	2	-	-	-	9	2	129	26	83	62
Idaho-----	-	-	-	11	-	-	4	6	61	104	47	104
Wyoming-----	-	-	-	5	-	-	2	-	14	4	3	-
Colorado-----	-	-	1	2	-	-	20	23	349	172	118	151
New Mexico-----	-	2	-	2	-	1	11	14	196	113	NN	-
Arizona-----	-	-	-	-	-	-	9	12	89	146	325	103
Utah-----	-	-	-	3	1	-	22	6	194	60	74	238
Nevada-----	-	-	-	-	-	-	3	1	31	11	31	7
PACIFIC-----	-	-	-	1	10	10	198	147	1,672	954	1,307	2,087
Washington-----	-	-	-	-	1	-	26	21	209	120	315	782
Oregon-----	-	-	-	-	-	-	21	34	298	202	146	262
California-----	-	-	-	-	9	10	146	85	1,097	584	836	615
Alaska-----	-	-	-	1	-	-	1	2	51	21	2	22
Hawaii-----	-	-	-	-	-	-	4	5	17	27	8	406
Puerto Rico-----	4	2	7	43	-	-	7	25	64	176	26	47

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED MARCH 5, 1960 AND MARCH 4, 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	9th Week		Cumulative, first 9 weeks		101	1961	1960
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960	1961	1961	1960
UNITED STATES-----	1	43	54		2	10,643	13	10	80	83	-	89	79
NEW ENGLAND-----	-	4	1	-	-	683	1	-	2	1	-	-	-
Maine-----	-	1	-	-	-	12	1	-	1	-	-	-	-
New Hampshire-----	-	1	1	-	-	10	-	-	-	-	-	-	-
Vermont-----	-	-	-	-	-	28	-	-	-	-	-	-	-
Massachusetts-----	-	2	-	-	-	259	-	-	1	1	-	-	-
Rhode Island-----	-	-	-	-	-	64	-	-	-	-	-	-	-
Connecticut-----	-	-	-	-	-	310	-	-	-	-	-	-	-
MIDDLE ATLANTIC-----	1	5	8	1	-	1,205	1	1	8	5	-	1	9
New York-----	-	1	3	-	-	676	1	1	2	3	-	1	9
New Jersey-----	-	1	3	-	-	252	-	-	1	-	-	-	-
Pennsylvania-----	1	3	2	1	-	277	-	-	5	2	-	-	-
EAST NORTH CENTRAL-----	-	9	14	-	-	1,453	-	2	7	7	-	6	8
Ohio-----	-	1	1	-	-	420	-	-	4	1	-	1	-
Indiana-----	-	2	1	-	-	291	-	-	1	1	-	2	4
Illinois-----	-	-	4	-	-	217	-	-	-	1	-	-	1
Michigan-----	-	6	6	-	-	293	-	2	1	4	-	2	3
Wisconsin-----	-	-	2	-	-	232	-	-	1	-	-	1	-
WEST NORTH CENTRAL-----	-	1	3	-	-	285	-	-	7	7	-	6	9
Minnesota-----	-	-	1	-	-	14	-	-	3	-	-	1	1
Iowa-----	-	1	-	-	-	57	-	-	1	-	-	3	3
Missouri-----	-	-	2	-	-	21	-	-	3	7	-	-	3
North Dakota-----	-	-	-	-	-	101	-	-	-	-	-	1	2
South Dakota-----	-	-	-	-	-	-	-	-	-	-	-	1	-
Nebraska-----	-	-	-	-	-	1	-	-	-	-	-	-	-
Kansas-----	-	-	-	-	-	91	-	-	-	-	-	-	-
SOUTH ATLANTIC-----	-	4	8	1	-	727	3	2	12	17	-	26	13
Delaware-----	-	-	-	1	-	3	-	-	-	-	-	-	-
Maryland-----	-	-	-	-	-	72	-	-	-	-	-	-	-
District of Columbia-----	-	-	2	-	-	1	-	1	-	1	-	-	-
Virginia-----	-	-	2	-	-	161	-	-	-	3	-	15	5
West Virginia-----	-	-	-	-	-	322	-	-	1	-	-	5	4
North Carolina-----	-	2	-	-	-	44	-	1	2	7	-	-	-
South Carolina-----	-	-	-	-	-	35	-	-	1	5	-	-	-
Georgia-----	-	-	2	-	-	-	3	-	7	-	-	5	4
Florida-----	-	2	2	-	-	89	-	-	1	1	-	1	-
EAST SOUTH CENTRAL-----	-	4	5	-	-	1,883	3	2	15	25	-	10	17
Kentucky-----	-	1	1	-	-	339	1	2	3	9	-	1	7
Tennessee-----	-	1	1	-	-	1,323	2	-	10	14	-	4	8
Alabama-----	-	1	2	-	-	13	-	-	2	2	-	5	2
Mississippi-----	-	1	1	-	-	208	-	-	-	-	-	-	-
WEST SOUTH CENTRAL-----	-	5	6	-	-	1,176	4	1	12	11	-	30	21
Arkansas-----	-	-	-	-	-	17	-	-	-	2	-	7	12
Louisiana-----	-	1	5	-	-	8	-	-	2	4	-	6	1
Oklahoma-----	-	2	-	-	-	9	-	-	2	1	-	-	-
Texas-----	-	2	1	-	-	1,142	4	1	8	4	-	17	8
MOUNTAIN-----	-	2	-	-	-	1,832	-	2	8	7	-	3	1
Montana-----	-	-	-	-	-	61	-	-	1	4	-	-	-
Idaho-----	-	-	-	-	-	174	-	-	-	-	-	-	-
Wyoming-----	-	1	-	-	-	61	-	-	-	-	-	-	-
Colorado-----	-	1	-	-	-	740	-	-	4	-	-	-	-
New Mexico-----	-	-	-	-	-	299	-	2	1	3	-	2	-
Arizona-----	-	-	-	-	-	164	-	-	1	-	-	1	1
Utah-----	-	-	-	-	-	284	-	-	1	-	-	-	-
Nevada-----	-	-	-	-	-	49	-	-	-	-	-	-	-
PACIFIC-----	-	9	9	-	-	1,399	1	-	9	3	-	7	1
Washington-----	-	-	1	-	-	813	-	-	1	-	-	-	-
Oregon-----	-	1	1	-	-	147	-	-	-	-	-	-	-
California-----	-	8	7	-	-	425	1	-	8	3	-	7	1
Alaska-----	-	-	-	-	-	11	-	-	-	-	-	-	-
Hawaii-----	-	-	-	-	-	3	-	-	-	-	-	-	-
Puerto Rico-----	-	-	-	-	-	13	-	-	3	12	-	-	1



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	9th week ended March 4, 1961	8th week ended Feb. 25, 1961	Adjusted average, 9th week 1956-60	Percent change, adjusted average to current week	Cumulative, first 9 weeks		
					1961	1960	Percent change
TOTAL, 117 REPORTING CITIES-----	12,052	11,591	12,177	-1.0	110,612	119,111	-7.1
New England----- (14 cities)	713	711	744	-4.2	6,820	7,655	-10.9
Middle Atlantic----- (20 cities)	3,439*	3,220	3,355	+2.5	31,385	31,763	-1.2
East North Central----- (21 cities)	2,477*	2,428	2,574	-3.8	23,168	25,933	-10.7
West North Central----- (9 cities)	864	821	892	-3.1	7,529	8,379	-10.1
South Atlantic----- (11 cities)	958	1,013	1,047	-8.5	9,716	10,522	-7.7
East South Central----- (8 cities)	540*	596	555	-2.7	5,184	5,431	-4.5
West South Central----- (13 cities)	1,044	992	1,096	-4.7	9,682	10,821	-10.5
Mountain----- (8 cities)	454	371	364	+24.7	3,470	3,622	-4.2
Pacific----- (13 cities)	1,563	1,439	1,550	+0.8	13,658	14,985	-8.9

*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	9th week ended Mar. 4, 1961	8th week ended Feb. 25, 1961	Cumulative, first 9 weeks		Area	9th week ended Mar. 4, 1961	8th week ended Feb. 25, 1961	Cumulative, first 9 weeks	
			1961	1960				1961	1960
NEW ENGLAND:					WEST NORTH CENTRAL--Con.:				
Boston, Mass.-----	252	238	2,368	2,643	St. Louis, Mo.-----	269	261	2,285	2,626
Bridgeport, Conn.-----	30	36	369	422	St. Paul, Minn.-----	60	74	627	761
Cambridge, Mass.-----	30	26	269	321	Wichita, Kans.-----	63	44	427	462
Fall River, Mass.-----	29	30	248	306	SOUTH ATLANTIC:				
Hartford, Conn.-----	47	45	444	491	Atlanta, Ga.-----	120	99	1,159	1,195
Lowell, Mass.-----	19	34	231	254	Baltimore, Md.-----	263	244	2,388	2,732
Lynn, Mass.-----	25	22	212	263	Charlotte, N.C.-----	39	43	347	440
New Bedford, Mass.-----	31	26	258	260	Jacksonville, Fla.-----	48	65	585	676
New Haven, Conn.-----	46	46	449	474	Miami, Fla.-----	89	86	726	782
Providence, R.I.-----	61	59	576	703	Norfolk, Va.-----	44	69	473	478
Somerville, Mass.-----	8	18	115	156	Richmond, Va.-----	74	75	807	849
Springfield, Mass.-----	47	45	467	503	Savannah, Ga.-----	34	25	344	383
Waterbury, Conn.-----	27	27	259	274	St. Petersburg, Fla.-----	(79)	(89)	(739)	(770)
Worcester, Mass.-----	61	59	555	585	Tampa, Fla.-----	50	73	661	644
MIDDLE ATLANTIC:					EAST SOUTH CENTRAL:				
Albany, N.Y.-----	41	45	456	435	Birmingham, Ala.-----	80	103	855	871
Allentown, Pa.-----	32	34	322	321	Chatanooga, Tenn.-----	57	53	502	492
Buffalo, N.Y.-----	160	155	1,346	1,506	Knoxville, Tenn.-----	29	40	295	324
Camden, N.J.-----	39	51	383	455	Louisville, Ky.-----	118*	117	1,076	1,191
Elizabeth, N.J.-----	26	23	272	274	Memphis, Tenn.-----	112	129	1,162	1,122
Erie, Pa.-----	31	38	364	350	Mobile, Ala.-----	42	49	389	430
Jersey City, N.J.-----	87	53	686	690	Montgomery, Ala.-----	43	35	332	354
Newark, N.J.-----	91	100	971	950	Nashville, Tenn.-----	59	70	573	647
New York City, N.Y.-----	1,772	1,689	16,042	15,721	WEST SOUTH CENTRAL:				
Paterson, N.J.-----	42	41	377	422	Austin, Tex.-----	27	31	323	411
Philadelphia, Pa.-----	528	478	4,879	5,005	Baton Rouge, La.-----	19	17	273	306
Pittsburgh, Pa.-----	250	140	1,892	2,061	Corpus Christi, Tex.-----	23	20	234	290
Reading, Pa.-----	23	20	218	219	Dallas, Tex.-----	131	114	1,166	1,251
Rochester, N.Y.-----	80	122	977	1,065	El Paso, Tex.-----	30	33	352	439
Schenectady, N.Y.-----	19	25	225	243	Fort Worth, Tex.-----	76	78	626	708
Scranton, Pa.-----	41*	37	370	399	Houston, Tex.-----	201	179	1,722	1,829
Syracuse, N.Y.-----	66*	65	569	664	Little Rock, Ark.-----	64	67	537	619
Trenton, N.J.-----	49	46	427	389	New Orleans, La.-----	171	177	1,650	1,939
Utica, N.Y.-----	29	32	291	295	Oklahoma City, Okla.-----	90	56	759	775
Yonkers, N.Y.-----	33*	26	318	299	San Antonio, Tex.-----	104	109	1,000	1,112
EAST NORTH CENTRAL:					MOUNTAIN:				
Akron, Ohio-----	51	51	541	563	Albuquerque, N. Mex.-----	38	32	306	308
Canton, Ohio-----	33	42	305	374	Colorado Springs, Colo.-----	21	17	151	178
Chicago, Ill.-----	729	758	7,025	8,025	Denver, Colo.-----	142	112	1,084	1,255
Cincinnati, Ohio-----	155	141	1,479	1,654	Ogden, Utah-----	22	17	142	164
Cleveland, Ohio-----	189	221	1,969	2,307	Phoenix, Ariz.-----	106	80	790	745
Columbus, Ohio-----	112	98	1,066	1,259	Pueblo, Colo.-----	17	16	146	134
Dayton, Ohio-----	78	76	784	728	Salt Lake City, Utah-----	58	59	475	498
Detroit, Mich.-----	360	347	3,163	3,532	Tucson, Ariz.-----	50	38	376	340
Evansville, Ind.-----	32	41	336	354	PACIFIC:				
Flint, Mich.-----	43	42	388	388	Berkeley, Calif.-----	24	16	153	175
Fort Wayne, Ind.-----	42	29	374	379	Fresno, Calif.-----	(40)	(49)	(407)	(508)
Gary, Ind.-----	29	38	290	318	Glendale, Calif.-----	(35)	(31)	(304)	(432)
Grand Rapids, Mich.-----	33	47	409	424	Honolulu, Hawaii-----	41	39	377	399
Indianapolis, Ind.-----	175	125	1,368	1,452	Long Beach, Calif.-----	50	63	550	541
Madison, Wis.-----	45	26	290	305	Los Angeles, Calif.-----	580	530	4,990	5,745
Milwaukee, Wis.-----	124*	114	1,141	1,313	Oakland, Calif.-----	94	99	926	939
Peoria, Ill.-----	26	30	267	295	Pasadena, Calif.-----	26	34	286	364
Rockford, Ill.-----	31	23	263	285	Portland, Ore.-----	92	125	934	1,011
South Bend, Ind.-----	33	34	271	309	Sacramento, Calif.-----	91	50	629	639
Toledo, Ohio-----	97	88	914	1,078	San Diego, Calif.-----	113	77	829	961
Youngstown, Ohio-----	60	57	525	591	San Francisco, Calif.-----	231	203	1,971	2,034
WEST NORTH CENTRAL:					San Jose, Calif.-----				
Des Moines, Iowa-----	56	52	484	570	(30)	(37)	(308)	(271)	
Duluth, Minn.-----	28	33	255	280	Seattle, Wash.-----	138	123	1,212	1,331
Kansas City, Kans.-----	30	43	370	352	Spokane, Wash.-----	33	49	407	432
Kansas City, Mo.-----	150	114	1,237	1,300	Tacoma, Wash.-----	50	31	394	414
Lincoln, Nebr.-----	(37)	(31)	(281)	(251)	San Juan, P. R.-----				
Minneapolis, Minn.-----	123	134	1,176	1,258	(---)	(40)	(270)	(337)	
Omaha, Nebr.-----	85	66	668	770					

*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.

illness or within the first four days, and may reappear after an absence of several days. It is a bright, pinkish, diffuse, finally maculopapular eruption occurring on the face, trunk and extremities. The tiny macules measure from 1 to 3 mm. in diameter. The majority of the patients have experienced mild to moderate pruritis and one noted a fine brawny desquamation as the rash cleared. White blood counts are usually low, but with some variation.

The first case occurred January 18 in a boy who had spent Christmas vacation at his home in Massachusetts and had also visited Connecticut and New York before returning to school on January 4. The next case occurred February 3 in a boy who sat at the same table with the first case. Two cases occurred February 7, and thereafter increasing numbers were affected so that by February 27, about 40% of the boys in the school had become ill. New cases continue to occur daily.

During the outbreak it was wisely decided not to close the school or send the boys home. The school officials made every effort to contain the outbreak by restricting social contacts of the students. No cases have been reported outside the private school. Throat washings, fecal and blood specimens from 15 cases were collected on February 24 for laboratory study.

(Submitted by Dr. Linus J. Leavens, Director, Communicable Disease Control Services, Vermont Department of Health.)

INTERNATIONAL NOTES

Influenza - England and Wales

The British Ministry of Health, London, reports that the epidemic of A₂ influenza is subsiding in all parts of England and Wales. Deaths due to influenza, pneumonia, and bronchitis reported for the week ending February 25 have declined markedly from the levels reported during preceding weeks.

Smallpox - Madrid, Spain

The Division of Foreign Quarantine has informed us that recently smallpox was imported to Madrid, Spain by a child who flew from Bombay to Rome on TWA flight #809, January 26 and from Rome to Madrid on Alitalia #346, January 27. Diagnosis was made on February 6 and death occurred on February 14.

A secondary case in Madrid was confirmed on February 23 and 13 additional cases were reported for the week ending March 4. We have been advised that a smallpox vaccination campaign is in progress.

Recent Smallpox Vaccination Recommended for Persons Traveling to Spain

The Public Health Service recommends that persons traveling to Spain should have had a successful smallpox vaccination performed within one year of the date of departure as a precautionary measure. It should be emphasized that this is a recommendation and not a quarantine requirement. The three-year period of validity for the smallpox vaccination certificate for entering the United States remains the same.

FOR SOURCE AND NATURE OF MORBIDITY DATA SEE LAST WEEK'S MORBIDITY AND MORTALITY WEEKLY REPORT

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