

MMWR

MORBIDITY AND MORTALITY WEEKLY REPORT

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International Notes

Dengue — Jamaica

During the last week of May the health authorities of Jamaica reported an outbreak of dengue in the Kingston area. The disease was serologically identified at the University of the West Indies, and subsequently confirmed serologically at the San Juan Laboratories, Bureau of Laboratories, CDC. Samples tested at the San Juan Laboratories by complement-fixation, hemagglutination inhibition, and plaque reduction neutralization suggest that the outbreak is due to dengue type 1. If dengue type 1 is confirmed, this would be the first outbreak caused by this virus in the Western Hemisphere.

The number of cases involved in the outbreak is being investigated. Vector control activities have been initiated. Reported by the Pan American Health Organization in the PAHO Weekly Epidemiological Report 49:159, 1977; SD King, MD, Dept of Microbiology, University of the West Indies; Jamaica; San Juan Laboratories, Bur of Laboratories, Viral Diseases Div, Bur of Epidemiology, CDC.

Editorial Note: With *Aedes aegypti* mosquitoes prevalent throughout the Caribbean, previous dengue epidemics have spread from island to island. In 1963-64, a dengue type 3 epidemic started in Jamaica and Puerto Rico and spread eastward through the Lesser Antilles (1). A similar pattern was observed with dengue type 2 in 1968-69.

In 1976, an epidemic of dengue type 2 occurred on St. Thomas, U.S. Virgin Islands (2), and evidence of endemic dengue continued in Puerto Rico, Haiti, and the Dominican Republic. As in most previous epidemics, severe disease was not seen.

References

1. Ehrenkrantz NJ, Ventura AK, Cuadrado RR, Pond WL, Porter JE: Pandemic dengue in Caribbean countries and the southern United States — past, present and potential problems. N Engl J Med 285:1460-1469, 1971
2. MMWR 26:69, 1977

Epidemiologic Notes and Reports

Serogroup A Meningococcal Disease — California

After an absence of many years, group A meningococcal disease has reappeared in California: 2 cases have been reported since September 1976.

Case 1 was a 54-year-old female pediatrician from the San Francisco Bay Area who developed a headache and fever, became confused, and collapsed in her office on September 20, 1976. She was admitted to the hospital the same day. She had purulent cerebrospinal fluid (CSF) with a white count of 1,030 — 99% of which were neutrophils. CSF protein was 319 mg%, glucose 80 mg%. Gram stain of CSF showed gram-negative diplococci and grew *Neisseria meningitidis*, serogroup A. The patient responded to penicillin therapy and was discharged 10 days after admission.

The patient had not traveled in the days before onset nor was she aware of recent contact with individuals who had returned from the Pacific Northwest or from foreign countries where group A disease has been hyperendemic. She had visited Alaska in the spring. Her family and close contacts received rifampin chemoprophylaxis.

The second case was in a 5-year-old Los Angeles school girl who was admitted to the hospital on January 3, 1977,

with a 2-day history of fever and rash and a 1-day history of headache, left knee swelling, and tenderness that kept her from walking. Physical examination revealed a lethargic but oriented child complaining of severe headache. Her fever was 38.8 C, and her skin showed generalized purpura and petechiae. She had purulent CSF, with a white count of 6,700 (94% neutrophils), glucose of 13 mg% (blood glucose of 99 mg%), and protein of 339 mg%. The CSF was Gram stain negative but grew *N. meningitidis*, serogroup A. A left knee aspiration was sterile. The meningitis and arthritis cleared with 10 days of intravenous ampicillin.

The patient's family contacts received rifampin chemoprophylaxis. The girl had not traveled before onset nor had she been in contact with persons from the Pacific Northwest.

Reported by S Rosenberg, MD, Burlingame; JM Bodie, MD, San Mateo County Health Dept; R Jacobs, MD, Los Angeles; WM Brown, MD, N Hughes, PHN, and R Murray, Los Angeles County Health Dept; and SB Werner, MD, California State Health Dept, in the California Morbidity Weekly Report No 23, 1977; and Special Pathogens Br, Bacterial Diseases Div, Bur of Epidemiology, CDC.

Editorial Note: The occurrence of Group A meningococcal disease in Alaska, Washington, and Oregon has recently

Meningococcal Disease — continued

been reported (1). These 2 reports are the first from California, however, and, unlike most earlier reports, did not occur in a skid-row community. This geographical ex-

tension of reported cases necessitates continued close surveillance of the disease.

Reference

1. MMWR 26:101, 1977

Staphylococcal Food Poisoning — Wisconsin

Three cases of staphylococcal foodborne illness apparently due to ingestion of restaurant-prepared hot dogs occurred in January in Wisconsin.

The index patient, a 26-year-old woman, was admitted to a Milwaukee hospital on January 14 with symptoms including cramps, vomiting, diarrhea, and general weakness. The patient had become ill 3 hours after eating a hot dog sandwich at a local fast-food restaurant. Because of pre-existing diabetes, the patient's gastrointestinal illness was treated for 2 days in the hospital intensive care unit. The patient's husband, who had eaten a hamburger at the same meal, did not become ill.

The restaurant manager acknowledged receiving another complaint the same day concerning 2 children who became ill after eating hot dog sandwiches. One child, a 2½-year-old girl, had had onset of vomiting, diarrhea, and malaise 3 hours after eating half of a hot dog and had been treated for gastrointestinal illness in the outpatient unit of a Milwaukee hospital. Her cousin, who had eaten 2 bites of a hot dog at the same time, had onset of vomiting 3½ hours after the meal.

Coagulase-positive staphylococci of phage type 6/47/53/54/75/83A were isolated from a rectal swab and 2 emesis specimens collected from the index patient at the time of her admission. A hot dog obtained by the index patient's family from the serving line of the restaurant the evening of January 14 was found to contain 500,000 coagulase-positive staphylococci per gram of the same phage type. On January 15, cultures of frankfurters from an opened, partially used box of refrigerated frankfurters yielded 44,000 coagulase-positive staphylococci of the same phage type.

The restaurant's practice had been to store frankfurters in a refrigerated wire basket. Employees had adopted the practice of transferring frankfurters from the refrigerator to a warming tray where they were held at 120F — 140 F for extended periods. When orders were received, the frankfurters were removed from the warming tray and steamed at a "high temperature" before serving.

Isolates of coagulase-positive staphylococci from the clinical specimens, from the serving line hot dog, and from

(Continued on page 231)

Table I. Summary—Cases of Specified Notifiable Diseases: United States

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

DISEASE	27th WEEK ENDING		MEDIAN 1972-1976	CUMULATIVE, FIRST 27 WEEKS		
	July 9, 1977	July 10, 1976		July 9, 1977	July 10, 1976	MEDIAN 1972-1976
Aseptic meningitis	109	42	66	1,163	1,014	1,070
Brucellosis	4	6	3	101	135	93
Chickengpox	2,104	1,362	---	153,089	141,873	---
Diphtheria	-	-	-	52	116	116
Encephalitis	14	18	12	332	420	434
	3	3	5	105	153	157
Hepatitis, Viral	307	207	149	8,287	7,521	4,823
	454	484	590	16,120	18,197	22,253
	172	154	---	4,746	4,534	---
Malaria	20	9	9	237	194	162
Measles (rubeola)	891	466	347	49,833	32,308	22,722
Meningococcal infections, total	15	26	20	1,073	938	857
Civilian	15	26	19	1,068	925	840
Military	-	-	-	5	13	22
Mumps	167	337	708	14,375	30,240	43,139
Pertussis	18	5	---	387	475	---
Rubella (German measles)	190	136	136	17,281	9,967	14,081
Tetanus	-	-	1	26	21	38
Tuberculosis	521	691	---	15,715	17,260	---
Tularaemia	2	2	2	60	65	65
Typhoid fever	6	10	7	185	180	180
Typhus, tick-borne (Rky. Mt. spotted fever)	43	33	29	464	317	317
Venereal Diseases:						
Gonorrhea	16,272	18,883	---	482,325	502,465	---
Civilian	463	906	---	13,718	15,055	---
Military	400	344	---	10,604	12,566	---
Syphilis, primary and secondary	6	10	---	156	179	---
Civilian	51	58	51	1,453	1,409	1,534
Military						
Rabies in animals						

Table II. Notifiable Diseases of Low Frequency: United States

	CUM.		CUM.
Anthrax:	-	Poliomyelitis, total:	4
Botulism: * Calif. 1	70	Paralytic:	4
Congenital rubella syndrome:	8	Psittacosis:	38
Leprosy: * Calif. 2	64	Rabies in man:	1
Leptospirosis:	25	Trichinosis: Pa. 2, Ore. 2, Calif. 1	50
Plague: N. Mex. 1	5	Typhus, murine:	33

*Delayed reports: Botulism: Calif. 2; Leprosy: Calif. 2

Table III
Cases of Specified Notifiable Diseases: United States
Weeks Ending July 9, 1977 and July 10, 1976 - 27th Week

AREA REPORTING	ASEPTIC MENIN- GITIS	BRUCEL- LOSIS	CHICKEN- POX	DIPHTHERIA		ENCEPHALITIS			HEPATITIS, VIRAL			MALARIA	
						Primary: Arthropod- borne and Unspecified		Post In- fectious	Type B	Type A	Type Unspecified		
						1977	1976	1977	1977	1977	1977		
UNITED STATES	109	4	2,104	-	52	14	18	3	307	454	172	20	237
NEW ENGLAND	14	-	338	-	-	2	1	-	9	9	9	1	10
Maine	-	-	5	-	-	-	-	-	-	-	2	-	-
New Hampshire*	2	-	4	-	-	-	-	-	1	2	-	-	-
Vermont	-	-	11	-	-	-	-	-	-	-	-	-	1
Massachusetts	1	-	221	-	-	1	-	-	-	2	7	-	2
Rhode Island	-	-	57	-	-	-	-	-	1	1	-	1	3
Connecticut	11	-	40	-	-	1	1	-	7	4	-	-	4
MIDDLE ATLANTIC	5	1	1,007	-	5	2	4	-	61	77	29	4	61
Upstate New York	-	-	900	-	-	-	-	-	13	9	4	1	15
New York City	4	-	91	-	5	2	-	-	16	10	8	1	26
New Jersey*	-	-	NN	-	-	-	2	-	10	27	14	2	9
Pennsylvania	1	1	16	-	-	-	2	-	22	31	3	-	11
EAST NORTH CENTRAL ..	8	-	464	-	-	3	1	1	59	45	10	1	18
Ohio	2	-	19	-	-	-	-	1	16	19	-	-	6
Indiana*	-	-	29	-	-	2	-	-	6	1	1	-	2
Illinois	3	-	85	-	-	-	-	-	18	2	1	-	2
Michigan	3	-	190	-	-	-	1	-	17	21	8	1	5
Wisconsin*	-	-	141	-	-	1	-	-	2	2	-	-	3
WEST NORTH CENTRAL ..	3	1	13	-	1	-	2	-	14	36	5	4	20
Minnesota	-	-	1	-	-	-	-	-	4	14	1	4	8
Iowa*	-	-	3	-	-	-	-	-	5	1	1	-	-
Missouri*	3	1	1	-	1	-	2	-	3	9	3	-	8
North Dakota	-	-	3	-	-	-	-	-	1	2	-	-	-
South Dakota	-	-	1	-	-	-	-	-	-	-	-	-	1
Nebraska	-	-	4	-	-	-	-	-	1	5	-	-	-
Kansas*	-	-	-	-	-	-	-	-	-	5	-	-	3
SOUTH ATLANTIC	22	-	124	-	-	-	2	1	42	69	19	3	33
Delaware	-	-	5	-	-	-	-	-	-	-	-	-	-
Maryland	2	-	17	-	-	-	-	-	7	11	6	-	7
District of Columbia ..	-	-	1	-	-	-	-	-	-	1	1	-	1
Virginia*	6	-	18	-	-	-	-	-	3	10	6	-	4
West Virginia	-	-	13	-	-	-	-	-	-	3	-	-	1
North Carolina*	10	-	NN	-	-	-	1	-	3	5	-	-	4
South Carolina	-	-	1	-	-	-	-	-	-	-	1	-	-
Georgia	-	-	-	-	-	-	-	-	7	7	-	-	7
Florida	4	-	69	-	-	-	1	1	22	32	5	3	9
EAST SOUTH CENTRAL ..	17	-	9	-	-	2	1	-	14	33	4	1	6
Kentucky*	2	-	4	-	-	1	-	-	-	-	-	1	4
Tennessee	1	-	NN	-	-	-	1	-	10	19	2	-	-
Alabama	14	-	3	-	-	-	-	-	3	1	2	-	2
Mississippi	-	-	2	-	-	1	-	-	1	13	-	-	-
WEST SOUTH CENTRAL ..	11	2	35	-	2	1	3	1	21	59	40	1	12
Arkansas*	-	-	7	-	-	-	-	-	2	5	-	-	-
Louisiana	3	-	NN	-	-	-	1	-	7	23	10	-	1
Oklahoma	-	1	-	-	-	-	1	-	-	-	4	-	-
Texas	8	1	28	-	2	1	1	1	12	31	26	1	11
MOUNTAIN	-	-	81	-	3	-	-	-	12	20	7	-	8
Montana	-	-	6	-	-	-	-	-	3	2	-	-	-
Idaho	-	-	15	-	-	-	-	-	1	-	-	-	-
Wyoming	-	-	-	-	-	-	-	-	-	2	-	-	1
Colorado	-	-	40	-	-	-	-	-	6	8	2	-	5
New Mexico	-	-	1	-	2	-	-	-	-	3	2	-	1
Arizona	-	-	NN	-	1	-	-	-	1	2	2	-	1
Utah	-	-	19	-	-	-	-	-	1	3	1	-	-
Nevada*	-	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC	29	-	33	-	41	4	4	-	75	106	49	5	69
Washington	1	-	12	-	38	2	-	-	4	13	3	-	4
Oregon	6	-	-	-	-	-	1	-	9	14	3	-	1
California*	20	-	-	-	1	2	1	-	60	74	42	5	58
Alaska	-	-	1	-	2	-	1	-	2	4	-	-	2
Hawaii	2	-	20	-	-	-	1	-	-	1	1	-	4
Guam*	NA	NA	NA	NA	-	NA	-	-	-	NA	NA	NA	-
Puerto Rico	-	-	8	-	-	-	-	-	-	-	3	-	1
Virgin Islands	-	-	1	-	-	-	-	-	-	-	-	-	-

NA: Not available

NN: Not notifiable

*Delayed reports (+ = add; - = delete): Asep. meng: Wisc. + 1, Iowa + 1, Ark. + 1, Calif. + 22; Bruc. Mo. - 2; Chickenpox: Calif. + 112, Guam + 1; Enceph. prim.: Calif. + 4; Enceph. post-chickenpox: Calif. + 1; Enceph. post-other: Wisc. + 1, Calif. + 1; Hep. B: N.J. - 4, Ind. - 1, Ark. + 1, Nev. + 1, Calif. + 68, Guam + 1; Hep. A: N.J. - 2, Kans. - 1, Va. - 1, Ark. + 1, Nev. + 4, Calif. + 99, Guam + 1; Hep. unsp.: N.J. - 2, Ind. - 1, Va. - 1, N. Car. - 1, Ky. - 3, Nev. + 4, Calif. + 30; Malaria: N. Hamp. + 1, Calif. + 1

Table III-Continued
Cases of Specified Notifiable Diseases: United States
Weeks Ending July 9, 1977 and July 10, 1976 - 27th Week

REPORTING AREA	MEASLES (Rubeola)			MENINGOCOCCAL INFECTIONS TOTAL			MUMPS		PERTUSSIS	RUBELLA		TETANUS
	1977	CUMULATIVE		1977	CUMULATIVE		1977	CUM. 1977	1977	1977	CUM. 1977	CUM. 1977
		1977	1976		1977	1976						
UNITED STATES	891	49,833	32,308	15	1,073	938	167	14,375	18	190	17,281	26
NEW ENGLAND	35	2,447	360	2	45	42	7	611	-	4	1,148	-
Maine	1	164	6	-	3	-	1	46	-	-	68	-
New Hampshire*	1	510	8	-	3	4	-	89	-	-	239	-
Vermont	-	291	27	-	4	3	1	6	-	1	64	-
Massachusetts*	3	646	36	-	13	11	1	112	-	1	359	-
Rhode Island	-	58	14	1	1	4	-	49	-	-	130	-
Connecticut	30	778	269	1	21	20	4	309	-	2	288	-
MIDDLE ATLANTIC	257	7,757	6,643	2	155	124	33	1,160	7	109	5,727	2
Upstate New York	189	3,403	2,769	-	36	48	13	253	2	81	3,125	1
New York City	60	604	402	2	37	34	17	431	2	5	289	-
New Jersey	1	191	581	-	29	17	2	332	-	21	1,771	1
Pennsylvania	7	3,559	2,891	-	53	25	1	144	3	2	542	-
EAST NORTH CENTRAL ..	227	9,968	13,827	1	104	120	46	4,986	-	18	3,499	2
Ohio	98	1,076	555	-	36	50	5	625	-	4	1,084	-
Indiana	22	4,245	2,979	-	7	5	1	262	-	3	881	1
Illinois	60	1,433	1,424	-	19	13	15	829	-	2	289	-
Michigan	23	881	5,632	1	29	44	9	1,759	-	7	878	1
Wisconsin*	24	2,333	3,237	-	13	8	16	1,511	-	2	367	-
WEST NORTH CENTRAL ..	13	9,370	1,163	-	64	66	15	3,344	-	1	484	3
Minnesota	5	2,596	389	-	21	14	1	6	-	-	16	1
Iowa	7	4,265	36	-	5	8	2	1,243	-	1	157	-
Missouri	1	917	16	-	26	22	9	1,048	-	-	33	1
North Dakota	-	21	3	-	1	3	3	16	-	-	10	-
South Dakota	-	65	4	-	4	2	-	59	-	-	17	-
Nebraska	-	192	54	-	1	4	-	63	-	-	2	-
Kansas	-	1,314	661	-	6	13	-	909	-	-	249	1
SOUTH ATLANTIC	75	4,232	1,840	-	229	183	11	621	1	14	1,549	8
Delaware	1	23	128	-	3	4	2	104	-	1	24	-
Maryland	1	367	671	-	15	16	-	44	-	-	5	-
District of Columbia* ..	-	1	9	-	-	2	-	5	-	-	-	-
Virginia	51	2,505	526	-	14	30	-	81	-	8	565	1
West Virginia*	-	202	177	-	8	4	1	140	-	-	92	-
North Carolina	-	59	-	-	57	34	1	37	1	-	435	-
South Carolina	-	145	4	-	24	31	-	10	-	1	207	-
Georgia*	5	725	1	-	38	16	-	13	-	-	47	1
Florida	17	205	324	-	70	46	7	187	-	4	174	6
EAST SOUTH CENTRAL ..	41	1,880	756	1	119	81	13	749	2	7	1,888	2
Kentucky	35	1,141	711	-	19	14	1	80	2	1	74	1
Tennessee	5	634	30	1	33	35	10	448	-	6	1,698	1
Alabama	-	76	-	-	46	23	2	193	-	-	108	-
Mississippi	1	29	15	-	21	9	-	28	-	-	8	-
WEST SOUTH CENTRAL ..	20	2,003	646	6	192	150	22	1,250	5	12	744	4
Arkansas	-	29	-	-	9	8	6	36	-	-	3	1
Louisiana	-	74	184	5	73	26	-	30	-	-	26	1
Oklahoma*	1	53	284	-	11	18	-	447	-	-	27	-
Texas*	19	1,847	178	1	99	98	16	737	5	12	688	2
MOUNTAIN	30	2,429	4,934	-	39	29	8	560	-	1	330	1
Montana	12	1,145	202	-	2	4	2	9	-	-	12	-
Idaho	-	127	2,020	-	4	3	-	118	-	-	11	-
Wyoming	1	14	3	-	1	-	-	-	-	-	2	1
Colorado	12	492	236	-	1	5	2	248	-	-	229	-
New Mexico	-	267	15	-	17	3	1	105	-	1	10	-
Arizona	4	290	225	-	11	8	-	-	-	-	10	-
Utah	-	6	2,170	-	2	4	2	69	-	-	47	-
Nevada	1	88	63	-	1	2	1	11	-	-	9	-
PACIFIC	193	9,747	2,139	3	126	143	12	1,094	3	24	1,912	4
Washington*	6	515	312	1	17	24	1	255	-	1	430	-
Oregon	22	340	143	-	11	13	3	198	1	2	100	-
California*	165	8,802	1,681	2	74	93	8	598	2	18	1,355	4
Alaska*	-	56	-	-	22	11	-	25	-	-	1	-
Hawaii	-	34	3	-	2	2	-	18	-	3	26	-
Guam	NA	4	11	-	-	-	NA	3	NA	NA	7	-
Puerto Rico	5	762	252	-	1	3	8	551	-	-	29	7
Virgin Islands	2	14	8	-	-	-	4	183	-	-	1	-

NA: Not available

*Delayed reports (+ = add; - = delete): Measles: Mass. - 3, D. C. + 3, Calif. + 108, Alaska + 2; Men. Inf: Wisc. - 1, Okla. - 1, Wash. - 1, Calif. + 4; Mumps: Ga. + 1, Calif. + 20; Pertussis: N. Hamp. - 2, Calif. + 1; Rubella: W. Va. - 5, Tex. - 1, Calif. + 25

Table III-Continued
 Cases of Specified Notifiable Diseases: United States
 Weeks Ending July 9, 1977 and July 10, 1976 - 27th Week

REPORTING AREA	TUBERCULOSIS		TULA- REMIA	TYPHOID FEVER		TYPHUS-FEVER TICK-BORNE (RMSF)		VENEREAL DISEASES (Civilian Cases Only)						RABIES IN ANIMALS
	1977	CUM. 1977	CUM. 1977	1977	CUM. 1977	1977	CUM. 1977	GONORRHEA		SYPHILIS (Pri. & Sec.)		CUM. 1977		
								1977	CUMULATIVE		1977		CUMULATIVE	
									1977	1976			1977	1977
UNITED STATES	521	15,715	60	6	185	43	464	16,272	482,325	502,465	400	10,604	12,566	1,453
NEW ENGLAND	27	594	1	1	12	-	5	468	12,490	13,238	16	443	368	20
Maine	-	42	-	-	-	-	-	40	926	1,164	2	14	8	18
New Hampshire*	-	17	-	-	-	-	-	20	506	366	-	3	5	1
Vermont	-	23	-	-	-	-	-	15	323	333	-	6	3	-
Massachusetts	20	329	1	1	9	-	-	196	5,468	6,273	4	313	258	-
Rhode Island	1	44	-	-	2	-	-	37	1,025	888	1	7	15	-
Connecticut	6	139	-	-	1	-	-	160	4,242	4,214	9	100	79	1
MIDDLE ATLANTIC	76	2,533	1	-	37	6	30	2,264	49,618	57,123	42	1,461	2,125	34
Upstate New York	-	393	1	-	5	5	17	328	8,356	8,964	7	141	132	20
New York City	32	841	-	-	14	-	-	776	19,552	25,487	25	906	1,348	-
New Jersey	15	643	-	-	16	1	5	758	8,609	8,977	6	193	288	13
Pennsylvania	29	656	-	-	2	-	8	402	13,101	13,695	4	221	357	1
EAST NORTH CENTRAL	105	2,494	3	1	19	2	7	1,778	74,494	79,304	91	1,170	1,061	57
Ohio*	23	399	1	-	7	2	4	325	19,300	19,453	8	271	268	-
Indiana	4	282	-	-	1	-	2	130	6,409	7,537	2	87	56	2
Illinois	42	988	-	-	1	2	-	377	24,490	28,587	65	620	540	19
Michigan*	30	711	-	-	9	-	-	676	17,255	16,817	14	137	143	3
Wisconsin	6	114	2	-	-	-	-	270	7,040	6,910	2	55	54	33
WEST NORTH CENTRAL	17	545	5	-	12	1	14	800	25,549	25,912	6	249	220	350
Minnesota	3	116	-	-	4	-	-	153	4,581	4,691	1	75	46	121
Iowa	4	58	-	-	-	-	-	108	3,025	3,237	2	29	22	60
Missouri*	8	231	4	-	4	-	8	303	10,773	10,308	3	84	92	28
North Dakota	-	13	-	-	-	-	-	15	463	376	-	-	-	54
South Dakota*	-	25	1	-	-	-	-	22	666	712	-	2	2	60
Nebraska*	2	21	-	-	1	-	-	66	2,237	2,213	-	25	15	1
Kansas	-	81	-	-	3	1	6	133	3,804	4,375	-	34	43	26
SOUTH ATLANTIC	108	3,545	8	-	31	24	253	4,211	119,326	122,602	90	3,055	3,828	150
Delaware	1	27	-	-	-	-	1	50	1,591	1,551	-	16	39	2
Maryland	14	501	1	-	-	8	34	496	15,136	16,398	7	208	328	-
District of Columbia	1	168	-	-	1	-	-	272	7,854	8,465	9	319	305	-
Virginia	31	420	-	-	8	3	73	368	12,349	13,108	5	302	323	2
West Virginia	3	128	-	-	3	1	2	63	1,731	1,603	-	1	17	2
North Carolina*	16	602	2	-	2	12	104	767	17,702	17,686	19	439	715	4
South Carolina	15	331	2	-	-	-	18	656	11,299	11,799	4	133	198	3
Georgia*	-	372	3	-	-	-	21	284	22,781	22,597	16	583	543	101
Florida	27	996	-	-	8	-	-	1,255	28,883	29,395	30	1,054	1,360	36
EAST SOUTH CENTRAL	48	1,385	4	-	3	4	64	1,610	43,043	44,731	10	368	501	43
Kentucky	14	336	1	-	-	-	10	141	5,806	5,593	1	43	75	12
Tennessee	11	440	3	-	1	2	48	628	17,249	17,640	1	117	193	24
Alabama	14	375	-	-	1	2	6	406	11,959	12,791	4	64	101	7
Mississippi	9	234	-	-	1	-	-	435	8,029	8,707	4	144	132	-
WEST SOUTH CENTRAL	64	1,866	32	-	8	3	84	1,750	61,679	66,039	52	1,487	1,455	490
Arkansas*	8	215	19	-	1	-	11	120	4,744	6,168	-	30	47	68
Louisiana	27	363	1	-	-	-	-	669	9,183	9,803	12	332	312	6
Oklahoma	2	182	5	-	1	2	52	167	5,777	6,086	3	42	57	166
Texas	27	1,106	7	-	6	1	21	794	41,975	43,982	37	1,083	1,039	250
MOUNTAIN	12	423	5	1	15	2	6	644	19,628	20,064	3	215	351	76
Montana	1	23	1	-	-	-	3	89	998	1,010	-	2	4	31
Idaho*	-	24	-	-	-	1	1	39	919	1,075	-	4	14	-
Wyoming	-	7	1	-	-	1	2	13	475	387	1	4	3	1
Colorado	3	67	2	-	7	-	-	143	5,103	4,968	1	65	72	15
New Mexico	2	64	-	-	-	-	-	80	2,866	3,828	-	40	92	-
Arizona	6	194	1	1	4	-	-	181	5,717	6,055	-	88	126	27
Utah	-	15	-	-	4	-	-	25	1,077	934	1	5	16	2
Nevada	-	29	-	-	-	-	-	74	2,473	1,807	-	7	24	-
PACIFIC	64	2,330	1	3	48	1	1	2,747	76,498	73,452	90	2,156	2,657	233
Washington*	NA	132	-	-	1	-	-	205	5,934	6,220	NA	76	73	-
Oregon	6	111	-	-	3	-	-	196	5,457	5,563	1	67	59	2
California*	53	1,732	1	3	43	1	1	2,191	60,847	58,138	88	1,975	2,464	219
Alaska	-	35	-	-	-	-	-	82	2,550	2,097	-	16	10	12
Hawaii	5	320	-	-	1	-	-	73	1,710	1,434	1	22	51	-
Guam	NA	34	-	NA	1	NA	-	NA	105	186	NA	1	1	-
Puerto Rico	13	186	-	-	4	-	-	54	1,683	1,377	10	294	300	37
Virgin Islands	-	1	-	-	-	-	-	2	100	137	-	3	40	-

NA: Not available

*Delayed reports (+ = add; - = delete): TB: Ohio - 1, Mich. - 1, Mo. - 1, N. Car. - 6, Ga. + 34, Idaho - 1, Wash. + 15, Calif. + 76; Tularemia: Ark. + 1; RMSF: Ark. + 1, Idaho + 3; GC: N. Hamp. + 3 mil., NYC + 864 civ., Neb. - 1 civ., Wash. + 92 mil., Calif. + 2288 civ. + 154 mil., Guam + 2 civ.; Syphilis: NYC + 35 civ., Wisc. - 3 civ., Neb. - 1 civ., Ga. - 1 mil., Mont. + 1 civ., Wash. + 30 civ. + 6 mil., Calif. + 79 civ.; An. rabies: S. Dak. + 14, Calif. + 4

Table IV
Deaths in 121 United States Cities*
Week Ending July 9, 1977 - 27th Week

REPORTING AREA	ALL CAUSES					Pneumonia and Influenza ALL AGES	REPORTING AREA	ALL CAUSES					Pneumonia and Influenza ALL AGES
	ALL AGES	65 Years and Over	45-64 Years	25-44 Years	Under 1 Year			ALL AGES	65 Years and Over	45-64 Years	25-44 Years	Under 1 Year	
NEW ENGLAND	642	400	168	39	18	29	SOUTH ATLANTIC	1,020	564	302	74	35	35
Boston, Mass.	196	108	57	10	9	8	Atlanta, Ga.	116	57	35	13	5	1
Bridgeport, Conn.	41	32	6	-	2	3	Baltimore, Md.	170	83	59	15	2	1
Cambridge, Mass.	21	15	4	1	1	2	Charlotte, N. C.	50	31	14	2	1	1
Fall River, Mass.	24	14	6	2	-	-	Jacksonville, Fla.	68	33	21	8	3	2
Hartford, Conn.	53	36	11	4	2	5	Miami, Fla.	98	58	26	8	4	1
Lowell, Mass.	26	19	6	1	-	3	Norfolk, Va.	39	22	10	3	4	6
Lynn, Mass.	25	18	5	2	-	1	Richmond, Va.	58	30	20	2	2	2
New Bedford, Mass.	19	14	5	-	-	-	Savannah, Ga.	28	23	5	-	-	1
New Haven, Conn.	46	29	12	5	-	-	St. Petersburg, Fla.	70	60	7	1	2	3
Providence, R.I.	66	37	21	4	3	2	Tampa, Fla.	79	50	16	6	2	8
Somerville, Mass.	6	4	2	-	-	1	Washington, D. C.	186	83	71	13	10	5
Springfield, Mass.	34	21	8	3	1	-	Wilmington, Del.	58	34	18	3	-	4
Waterbury, Conn.	29	19	9	1	-	1							
Worcester, Mass.	56	34	16	6	-	3							
							EAST SOUTH CENTRAL	550	309	152	41	18	31
MIDDLE ATLANTIC	2,621	1,633	661	183	74	94	Birmingham, Ala.	76	37	21	6	6	4
Albany, N. Y.	44	29	10	1	3	1	Chattanooga, Tenn.	43	24	14	-	1	5
Allentown, Pa.	24	20	4	-	-	1	Knoxville, Tenn.	36	19	13	2	1	1
Buffalo, N. Y.	111	73	26	6	4	4	Louisville, Ky.	95	52	28	8	4	10
Camden, N. J.	34	21	10	-	2	1	Memphis, Tenn.	126	72	36	9	1	2
Elizabeth, N. J.	33	18	12	3	-	1	Mobile, Ala.	62	35	18	4	2	2
Erie, Pa.	30	17	11	2	-	-	Montgomery, Ala.	23	17	2	3	-	3
Jersey City, N. J.	41	20	16	1	2	2	Nashville, Tenn.	89	53	20	9	3	4
Newark, N. J.	90	40	26	12	7	2							
New York City, N. Y.	1,383	869	338	102	32	33	WEST SOUTH CENTRAL	1,048	553	275	101	49	16
Paterson, N. J.	30	20	6	1	2	2	Austin, Tex.	15	9	4	-	1	-
Philadelphia, Pa.	289	178	72	25	8	17	Baton Rouge, La.	40	24	9	-	4	2
Pittsburgh, Pa.	159	90	52	9	5	13	Corpus Christi, Tex.	20	13	3	-	2	1
Reading, Pa.	48	36	10	2	-	3	Dallas, Tex.	143	76	41	16	2	1
Rochester, N. Y.	97	65	21	6	4	6	El Paso, Tex.	52	27	9	4	4	2
Schenectady, N. Y.	19	13	3	3	-	1	Fort Worth, Tex.	65	32	17	7	3	2
Scranton, Pa.	25	18	3	2	1	-	Houston, Tex.	266	128	72	29	13	2
Syracuse, N. Y.	81	50	24	2	3	3	Little Rock, Ark.	50	26	13	6	4	1
Trenton, N. J.	41	27	6	5	1	1	New Orleans, La.	201	109	59	21	8	1
Utica, N. Y.	18	13	3	1	-	1	San Antonio, Tex.	106	59	24	12	2	2
Yonkers, N. Y.	24	16	8	-	-	2	Shreveport, La.	23	9	4	2	4	-
							Tulsa, Okla.	67	41	20	4	2	2
EAST NORTH CENTRAL	2,114	1,258	525	153	83	52	MOUNTAIN	411	241	105	27	21	8
Akron, Ohio	59	31	16	4	1	-	Albuquerque, N. Mex.	35	12	17	3	1	1
Canton, Ohio	38	28	8	1	1	1	Colorado Springs, Colo.	31	17	4	4	3	1
Chicago, Ill.	525	301	134	41	25	17	Denver, Colo.	87	55	24	5	2	2
Cincinnati, Ohio	120	68	36	8	4	1	Las Vegas, Nev.	20	15	3	1	-	2
Cleveland, Ohio	163	103	39	12	2	-	Ogden, Utah	16	11	4	-	1	-
Columbus, Ohio	140	76	35	13	6	3	Phoenix, Ariz.	93	59	21	4	5	-
Dayton, Ohio	105	52	26	8	9	6	Pueblo, Colo.	12	9	1	2	-	2
Detroit, Mich.	247	132	70	30	9	6	Salt Lake City, Utah	45	24	11	3	5	-
Evansville, Ind.	48	34	8	2	2	1	Tucson, Ariz.	72	39	20	5	4	-
Fort Wayne, Ind.	53	33	8	3	3	-							
Gary, Ind.	30	20	6	2	1	-	PACIFIC	1,166	739	270	68	40	17
Grand Rapids, Mich.	70	54	12	3	1	6	Berkeley, Calif.	15	5	7	1	-	-
Indianapolis, Ind.	126	70	32	8	12	2	Fresno, Calif.	48	27	10	4	4	-
Madison, Wis.	24	14	7	1	-	-	Glendale, Calif.	16	10	5	1	-	-
Milwaukee, Wis.	132	88	31	5	3	6	Honolulu, Hawaii	67	42	16	3	3	1
Peoria, Ill.	34	23	7	1	1	-	Long Beach, Calif.	77	42	23	8	3	1
Rockford, Ill.	42	26	9	3	1	2	Los Angeles, Calif.	248	168	53	17	5	1
South Bend, Ind.	29	18	8	2	-	-	Oakland, Calif.	46	31	11	2	2	-
Toledo, Ohio	71	47	17	4	2	1	Pasadena, Calif.	26	20	2	1	2	2
Youngstown, Ohio	58	40	16	2	-	-	Portland, Ore.	109	64	27	5	6	2
							Sacramento, Calif.	70	41	18	1	3	2
WEST NORTH CENTRAL	560	330	148	27	31	14	San Diego, Calif.	92	54	21	8	-	-
Des Moines, Iowa	48	24	15	6	1	1	San Francisco, Calif.	115	76	24	8	4	2
Duluth, Minn.	9	5	3	-	-	4	San Jose, Calif.	57	38	10	3	3	-
Kansas City, Kans.	24	13	4	1	2	-	Seattle, Wash.	96	61	25	4	3	-
Kansas City, Mo.	119	68	30	8	10	4	Spokane, Wash.	57	43	8	2	2	4
Lincoln, Nebr.	27	15	10	-	-	-	Tacoma, Wash.	27	17	10	-	-	2
Minneapolis, Minn.	56	34	14	4	1	2							
Omaha, Nebr.	62	43	9	-	6	1	TOTAL	10,132	6,027	2,606	713	369	296
St. Louis, Mo.	120	68	39	4	6	2	Expected Number	11,226	6,731	2,908	748	382	347
St. Paul, Minn.	53	34	15	2	1	-							
Wichita, Kans.	42	26	9	2	4	-							

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

The Morbidity and Mortality Weekly Report, circulation 67,500, is published by the Center for Disease Control, Atlanta, Georgia. The data in this report are provisional, based on weekly telegrams to CDC by state health departments. The reporting week concludes at close of business on Friday; compiled data on a national basis are officially released to the public on the succeeding Friday.

The editor welcomes accounts of interesting cases, outbreaks, environmental hazards, or other public health problems of current interest to health officials. Send reports to: Center for Disease Control, Attn.: Editor, Morbidity and Mortality Weekly Report, Atlanta, Georgia 30333.

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Food poisoning — continued

previously handled, refrigerated frankfurters were all found to produce enterotoxin type A. Staphylococcal enterotoxin was not detectable in frankfurters taken from the previously unopened refrigerated supply, however.

Reported by PJ Pace, JC Antonmattei, MD, RB Rowley, Milwaukee Health Dept; MS Bergdoll, PhD, Food Research Institute, University of Wisconsin, Madison; HG Skinner, MD, State Epidemiologist, Wisconsin State Dept of Health and Social Services; and Enteric Diseases Br, Bacterial Diseases Div, CDC.

Editorial Note: Although frankfurters have an impressive record of safety (1), this outbreak emphasizes that they can cause disease when mishandled. In one study of 40 firms, occasional *Staphylococcus aureus* contamination was found in packaged frankfurters (2). In this outbreak, retention of frankfurters in a warming tray for extended periods pre-

sumably permitted replication of enterotoxin-producing staphylococci. Because the box of refrigerated frankfurters had been opened and its contents handled by restaurant personnel, the source of contamination could not be determined. This outbreak further emphasizes the need for refrigeration of this product prior to cooking, as temperatures commonly used in cooking do not inactivate the *S. aureus* enterotoxin (3).

References

1. MMWR 25:229-230, 1975
2. Surkiewicz BF, Johnston RW, Carosella JM: Bacteriological survey of frankfurters produced at establishments under federal inspection. *J Milk Food Technol* 39:7-9, 1976
3. Merson MH, Hughes JM, Gangarosa EJ: Miscellaneous food poisoning, in *Practice of Medicine*. Hagerstown, Maryland, Harper & Row, 1976

Current Trends**Influenza Surveillance — United States**

Each week during the 1976-77 influenza season the National Center for Health Statistics (NCHS) has estimated the number of cases of influenza-like illness severe enough to cause either restricted activity or medical attention.

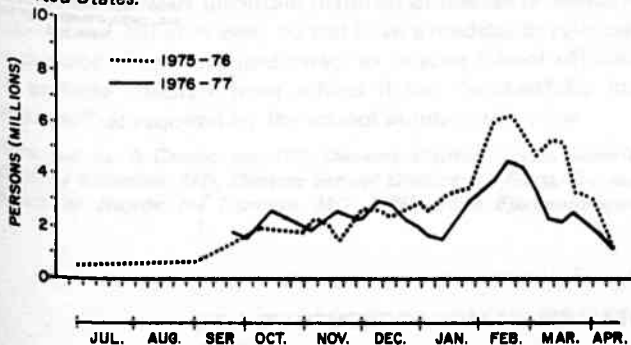
These estimates are based on information collected in the National Health Interview Survey (HIS). Each week a probability sample of households representing the civilian non-institutionalized population of the United States is interviewed by trained personnel of the U.S. Bureau of Census. Interviewing is done continuously with a weekly sample of about 800 different households. During the 1976-77 influenza season a separate set of questions on influenza and influenza vaccinations was added to the weekly survey, and special tabulating and processing procedures were established to insure timely reporting of the data.

The largest number of cases occurred during the week ending February 20, when an estimated 4,295,000 cases of influenza-like illness were reported (Figure 1). This figure is below the level for the comparable week in the previous year, a time when A/Victoria influenza was occurring. The provisional estimate of total bed days associated with influenza-like illness for the week ending February 20 was 11,063,000. The average number of persons in bed was 1,580,000 — about half the level reported for the comparable week of the previous year.

Reported by Div of Health Interview Statistics, NCHS, in *Weekly Report No 20, 28, 1977*; and the *National Influenza Immunization Program, CDC*.

Editorial Note: HIS data provide quantification of the extent of influenza-like illness in the nation during the 1976-77 influenza season. Although it is possible that local out-

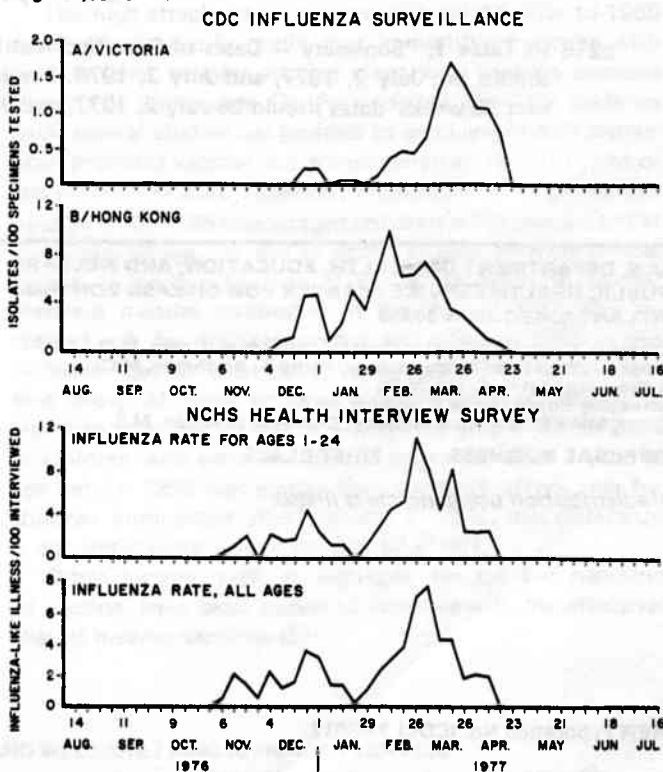
FIGURE 1. Weekly estimates of influenza-like illnesses in the United States.



breaks of influenza-like illness may go undetected due to the national scope of the HIS data, these estimates are useful in comparing this year's influenza-like illness with that from other years. Local surveillance data compiled by CDC and viewed in the regional aggregate show a close approximation to the HIS sample data. Figure 2 compares HIS data for influenza-like illnesses in the South East-South Central Regions* with the relative number of virus isolations and cases of influenza during 1976-77. A peak of influenza-like illness in late February, as indicated by the HIS data, is paralleled by increased rates of influenza cases and virus isolations.

*Alabama, Florida, Georgia, Tennessee, Kentucky, North Carolina, South Carolina, Virginia, Arkansas, Louisiana, Mississippi, New Mexico, and Texas.

FIGURE 2. Comparison of CDC influenza surveillance data with NCHS Health Interview Survey data for South East-South Central Regions, 1976-77.



Primary and Secondary Syphilis – United States, May 1977

Reported cases of primary and secondary syphilis numbered 1,573 in May 1977, down 13.6% from the number reported in May 1976 (Table 1). This represents the 14th consecutive month in which a decline of cases has been reported. In the first 5 months of 1977 (January-May), 1,787 fewer cases (-17.6%) were reported compared to the same time period of the previous year. Thirty-nine areas reported fewer cases during the first 5 months of 1977

compared to the same time period of 1976. Also, early latent (less than 1-year duration) syphilis declined 14.3% in May 1977 versus May 1976. During the first 5 months of 1977 versus the same time period of 1976, such cases decreased 15.3%.

Reported by the Venereal Disease Control Div, Bur of State Services, CDC.

TABLE 1. Summary of reported primary and secondary syphilis cases by reporting area, May 1977 and May 1976 – Provisional Data

Reporting Area by HEW Regions	May		Calendar Year Cumulative January-May		Reporting Area by HEW Regions	May		Calendar Year Cumulative January-May		Reporting Area by HEW Regions	May		Calendar Year Cumulative January-May	
	1977	1976	1977	1976		1977	1976	1977	1976		1977	1976	1977	1976
Connecticut	20	11	70	62	Illinois (Excl. Chicago)	16	23	79	69	Arizona	12	17	69	107
Maine	0	0	8	9	Chicago	89	76	399	367	California (Excl. LA & SF)	106	135	622	883
Massachusetts	60	44	247	214	Indiana (Excl. Indianapolis)	9	6	40	36	Los Angeles*	117	137	556	776
New Hampshire	1	1	2	4	Indianapolis*	4	2	24	18	San Francisco*	56	55	363	330
Rhode Island	1	1	5	11	Michigan	13	20	103	113	Hawaii	4	5	15	39
Vermont	0	0	4	2	Minnesota	13	6	62	44	Nevada	1	3	7	19
REGION I TOTAL	82	57	336	302	Ohio	35	36	234	220	REGION IX TOTAL	296	352	1,632	2,154
New Jersey	20	49	145	234	Wisconsin	9	3	43	47	Alaska	3	4	14	12
New York (Excl. NYC)	19	16	114	108	REGION V TOTAL	188	172	985	914	Idaho	1	1	4	14
New York City	131	162	742	1,071	Arkansas	7	11	27	40	Oregon	8	3	56	53
REGION II TOTAL	170	227	1,001	1,413	Louisiana	70	52	259	241	Washington	19	17	83	62
Delaware	2	12	14	32	New Mexico	4	14	34	81	REGION X TOTAL	31	25	157	141
District of Columbia	37	55	255	269	Oklahoma	7	7	32	46	UNITED STATES TOTAL	1,573	1,820	8,277	10,164
Maryland (Excl. Baltimore)	9	10	72	72	Texas	160	139	765	776	Puerto Rico	35	58	250	245
Baltimore	23	28	107	180	REGION VI TOTAL	248	223	1,117	1,184	Virgin Islands	1	5	9	18
Pennsylvania (Excl. Phila.)	14	25	70	110	Iowa	4	1	18	19	United States, Including	1,608	1,883	8,636	10,427
Philadelphia	22	46	113	171	Kansas	9	6	33	37	Outlying Areas				
Virginia	36	55	237	273	Missouri	15	19	70	79					
West Virginia	0	2	1	16	Nebraska	5	0	21	13					
REGION III TOTAL	143	233	869	1,123	REGION VII TOTAL	33	26	142	148					
Alabama	7	15	48	79	Colorado	10	10	53	63					
Florida	126	228	823	1,109	Montana	1	0	1	4					
Georgia (Excl. Atlanta)	53	35	286	216	North Dakota	0	0	2	1					
Atlanta*	37	33	169	209	South Dakota	0	0	1	2					
Kentucky	11	10	33	62	Utah	0	7	4	15					
Mississippi	29	17	112	104	Wyoming	0	0	2	4					
North Carolina	72	88	405	590	REGION VIII TOTAL	11	17	63	89					
South Carolina	13	25	108	163										
Tennessee	23	37	90	164										
REGION IV TOTAL	371	488	2,075	2,698										

*County Data

Note: Cumulative totals include revised and delayed reports through previous months.
Source: CDC 9.98, HEW-CDC-BSS-VD Control Division, Atlanta, Georgia

Erratum, Vol. 26, No. 27

p218 In Table 1, "Summary – Cases of Specified Notifiable Diseases: United States," the 26th week-ending dates should be: July 2, 1977, and July 3, 1976. Similarly, in columns 4 and 5 of the same table, the cumulative first 26 weeks' dates should be July 2, 1977, and July 3, 1976.

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