

M M W R

MORBIDITY AND MORTALITY WEEKLY REPORT

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Recommendations of the Committee on Infectious Diseases of the American Academy of Pediatrics

Immunization of Children at High Risk from Influenza Infection*

Children considered to be at high risk of serious illness if infected with influenza viruses include those with: 1) chronic bronchopulmonary disease, such as asthma and cystic fibrosis; 2) heart disease; 3) chronic renal disease; 4) diabetes and other chronic metabolic diseases; 5) chronic neuromuscular disorders; and 6) malignancies and immunodeficient states. It is recommended that these high-risk children be immunized against influenza.

The following recommendations are based on data from continuing clinical trials to evaluate the potency and safety of influenza vaccines in children 3 and over. The trials are not yet completed but do provide sufficient information at the present time from which to formulate recommendations for immunizing children 3 years and over and adolescents at high risk from influenza.

Bivalent A Vaccine

Dose: Children and adolescents ages 3-18 years should receive 2 intramuscular injections (0.5 ml each) of split-virus ("subvirion," "split product") vaccine containing 200 CCA units each of A/New Jersey/76 and A/Victoria/75 antigens separated by at least 4 weeks. *Split-virus vaccine is recommended* because the field trials showed that whole-virus vaccines produced substantially more side effects. Two doses of split-virus bivalent A vaccine should induce a good antibody response in most children and adolescents 3-18 years of age. A single dose of split-virus vaccine would be far less satisfactory. Therefore, it is important that parents of children at high risk be informed of the inadequacy of a single dose and be urged to see that their children receive a second dose.

Data are not yet available from the current field trials to derive recommendations for immunizing children less than 3 years of age. The Committee, therefore, recommends that current studies be extended to include immunization of infants and young children. It is hoped that the continuing field trials of influenza vaccines will provide data on which to base vaccine recommendations for normal children.

Side effects: In the clinical trials of split-virus vaccines conducted this year, side effects were mild and infrequent: low-grade fever (less than 101°) occurred in approximately 2% of vaccinated children. The symptoms reported were local reactions, fever, headache, malaise, and abdominal pain which usually occurred 6-12 hours after vaccination and rarely lasted more than 24 hours. The incidence of these symptoms was not significantly different from that observed in recipients of the placebo preparation. There were no seizures.

Monovalent B Vaccine

Over the past several years, limited clinical trials of vaccine containing the B/Hong Kong/72 antigen have been conducted in children. Since no new data are available, dosage recommendations will remain unchanged. Physicians should refer to individual manufacturers' package circulars for the recommended dosage of monovalent B vaccine. These instructions call for administering a fraction of the adult dosage to children 10 years of age or less. Because of the risk of increasing the frequency of side effects, it is desirable to avoid administering the monovalent B and bivalent A vaccines at the same time.

Precautions

Whole-virus bivalent A vaccine should not be used in place of the split-virus vaccine. If whole-virus vaccine were used, side effects would be greatly accentuated.

Other vaccines should not be given at the same time as influenza vaccine because side effects would be difficult to classify and interpret.

Children highly sensitive to egg protein should not be given influenza vaccine except under close supervision of a physician. They should be skin tested or otherwise evaluated and should not be vaccinated if a severe reaction occurs.

Vaccination of children with acute febrile illnesses should be postponed.

*The Committee on Infectious Diseases of the American Academy of Pediatrics developed these recommendations on request from the Public Health Service's National Influenza Immunization Program. The Committee reviewed all available data from the current series of influenza vaccine field trials in children and adolescents and directs its advice both to private physicians and to the health agencies which may be providing vaccine to high-risk children.

Current Trends

Tuberculosis — Six-month Periods, 1974 - 1976

For the first 6 months of 1976 a total of 16,668 cases of tuberculosis were reported to the Center for Disease Control via the weekly telegraphic reports to the MMWR. This compares with 17,045 for the preceding 6-month period and 16,059 for the first 6 months of the previous year (Table 1).

Table 1. Tuberculosis by 6-month periods, 1974-1976

6-Month Period	No. Notifications
Jan-June 1974	15,444
July-Dec 1974	14,829
Jan-June 1975	16,509
July-Dec 1975	17,045
Jan-June 1976	16,668

The long-term downward trend in reported cases of tuberculosis was reversed in 1975 when reporting recommendations were changed to conform to the terminology of the 1974 edition of the American Lung Association's Diag-

nostic Standards and Classification of Tuberculosis and Other Mycobacterial Diseases (7). The increase in 1975 was due mainly to the inclusion of cases formerly classified as "reactivations" as well as some other cases which were not counted in morbidity under the former criteria.

As expected, the number of cases reported increased abruptly in the first half of 1975 (11.3% increase over the preceding 6-month period) and again in the second half of 1975 (3.2% increase over the preceding 6-month period). For the first 6 months of 1976 the number of cases reported was only 1.0% greater than for the same period of the previous year and decreased by 2.2% from the preceding 6-month period.

This leveling off was anticipated, and a subsequent reumption of the downward trend in number of cases reported in 1976-1977 is expected.

Reported by Tuberculosis Control Div, Bur of State Services, CDC.

Reference

1. MMWR 24(8): 70, February 22, 1975

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

[Cumulative totals include revised and delayed reports through previous weeks]

DISEASE	36th WEEK ENDING		MEDIAN 1971-1975	CUMULATIVE, FIRST 36 WEEKS		
	September 11, 1976	September 6, 1975		September 11, 1976	September 6, 1975	MEDIAN 1971-1975
Aseptic meningitis	102	135	180	1,788	2,193	2,073
Brucellosis	3	3	3	176	157	125
Chickenpox	191	210	---	146,804	116,748	---
Diphtheria	1	—	1	125	209	124
Encephalitis	Primary	87	39	684	828	828
	Post-Infectious	3	5	203	235	215
Hepatitis, Viral	Type B	177	159	10,078	7,946	6,304
	Type A	462	476	23,460	24,048	34,850
	Type unspecified	123	93	6,008	5,522	---
Malaria	9	9	9	307	286	286
Measles (rubeola)	84	45	95	34,407	21,183	24,143
Meningococcal infections, total	13	15	13	1,129	1,065	1,047
Civilian	13	15	12	1,120	1,040	1,022
Military	—	—	—	9	25	25
Mumps	142	217	283	32,348	46,693	55,151
Pertussis	22	33	---	669	1,055	---
Rubella (German measles)	42	43	117	10,583	14,748	20,813
Tetanus	2	2	2	40	60	64
Tuberculosis	521	453	---	23,118	22,854	---
Tularemia	1	2	2	93	88	107
Typhoid fever	11	3	10	269	217	235
Typhus, tick-borne (Rky. Mt. spotted fever)	22	28	18	692	666	533
Venereal Diseases:						
Gonorrhea	18,677	18,769	---	691,229	674,826	---
Civilian	518	690	---	20,673	20,878	---
Military	358	419	---	16,549	17,588	---
Syphilis, primary and secondary	9	6	---	245	245	---
Civilian	9	6	---	245	245	---
Military	40	43	53	1,934	1,741	2,559

Table II. Notifiable Diseases of Low Frequency: United States

	CUM.		CUM.
Anthrax	2	Poliomyelitis, total	8
Botulism	21	Paralytic	7
Congenital rubella syndrome: Calif. 1	17	Psittacosis	52
Leprosy	96	Rabies in man	1
Leptospirosis: Tex. 1, Calif. 1	34	Trichinosis: NYC 1	67
Plague	14	Typhus, murine: Tex. 4	40

Table III
Cases of Specified Notifiable Diseases: United States
Weeks Ending September 11, 1976 and September 6, 1975 - 36th 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			
											1976		
1978	1976	1976	1976	1978	CUM. 1976	1976	1975	1976	1976	1975	1976	1976	CUM. 1976
UNITED STATES	102	3	191	1	125	48	87	3	236	462	123	9	307
NEW ENGLAND	4	1	17	-	-	3	1	-	6	19	8	-	13
Maine	-	-	2	-	-	-	-	-	-	1	-	-	-
New Hampshire	-	-	-	-	-	-	-	-	-	1	-	-	-
Vermont	-	-	-	-	-	-	-	-	-	-	1	-	-
Massachusetts	2	1	14	-	-	-	1	-	1	2	7	-	6
Rhode Island	2	-	-	-	-	-	-	-	1	6	-	-	3
Connecticut	-	-	1	-	-	3	-	-	4	9	-	-	4
MIDDLE ATLANTIC	24	-	29	-	-	3	3	-	53	39	22	1	63
Upstate New York	4	-	13	-	-	-	1	-	4	1	-	-	12
New York City	-	-	13	-	-	-	1	-	12	6	-	1	27
New Jersey	18	-	NN	-	-	1	-	-	15	14	21	-	14
Pennsylvania	2	-	3	-	-	2	1	-	22	18	1	-	10
EAST NORTH CENTRAL ..	8	-	55	-	-	7	22	2	23	57	5	-	16
Ohio	1	-	-	-	-	3	16	1	-	15	-	-	7
Indiana	-	-	6	-	-	-	2	-	-	9	-	-	-
Illinois	1	-	12	-	-	1	4	1	12	16	1	-	2
Michigan	6	-	5	-	-	3	-	-	10	16	4	-	6
Wisconsin	-	-	32	-	-	-	-	-	1	1	-	-	1
WEST NORTH CENTRAL ..	12	-	7	-	4	4	21	-	10	32	7	-	18
Minnesota	3	-	-	-	-	-	-	-	1	2	-	-	3
Iowa	5	-	6	-	-	-	-	-	-	-	-	-	-
Missouri	3	-	-	-	1	4	8	-	3	11	6	-	9
North Dakota*	1	-	1	-	-	-	2	-	1	3	-	-	-
South Dakota	-	-	-	-	3	-	8	-	-	-	-	-	3
Nebraska	-	-	-	-	-	-	-	-	-	1	-	-	2
Kansas	-	-	-	-	-	-	3	-	5	15	1	-	1
SOUTH ATLANTIC	7	-	35	-	-	6	7	-	34	97	11	1	55
Delaware	-	-	-	-	-	-	-	-	1	-	-	-	-
Maryland	-	-	1	-	-	-	1	-	7	7	2	-	11
District of Columbia ..	-	-	1	-	-	-	-	-	2	4	-	1	9
Virginia	4	-	-	-	-	-	-	-	7	6	7	-	8
West Virginia	-	-	18	-	-	5	-	-	1	7	-	-	3
North Carolina	1	-	NN	-	-	-	3	-	2	1	-	-	4
South Carolina	-	-	-	-	-	1	1	-	-	11	1	-	1
Georgia	-	-	-	-	-	-	-	-	-	24	-	-	4
Florida	2	-	15	-	-	-	2	-	14	37	1	-	15
EAST SOUTH CENTRAL ..	8	-	2	-	-	5	25	-	14	32	3	1	2
Kentucky	3	-	2	-	-	-	7	-	2	4	2	-	-
Tennessee	5	-	NN	-	-	3	5	-	9	15	1	-	-
Alabama	-	-	-	-	-	2	8	-	2	2	-	1	1
Mississippi	-	-	-	-	-	-	5	-	1	11	-	-	1
WEST SOUTH CENTRAL ..	18	2	15	-	1	13	3	-	9	25	23	2	14
Arkansas	2	2	1	-	-	1	1	-	1	5	3	-	-
Louisiana*	3	-	NN	-	-	4	-	-	1	7	3	-	1
Oklahoma	-	-	4	-	-	-	-	-	1	4	1	-	2
Texas	13	-	10	-	1	8	2	-	6	9	16	2	11
MOUNTAIN	-	-	15	-	4	1	1	-	17	38	16	-	11
Montana	-	-	4	-	-	-	-	-	-	1	2	-	-
Idaho	-	-	-	-	-	-	-	-	-	3	2	-	-
Wyoming	-	-	-	-	-	1	-	-	-	-	-	-	-
Colorado	-	-	4	-	3	-	1	-	8	13	4	-	7
New Mexico	-	-	-	-	1	-	-	-	3	4	1	-	1
Arizona	-	-	NN	-	-	-	-	-	2	9	3	-	2
Utah	-	-	7	-	-	-	-	-	2	5	4	-	-
Nevada*	-	-	-	-	-	-	-	-	2	3	-	-	1
PACIFIC	21	-	16	1	116	6	4	1	70	123	28	4	115
Washington	1	-	12	-	110	-	2	-	10	16	9	-	2
Oregon	2	-	-	-	-	-	1	-	6	15	3	-	5
California*	18	-	-	-	1	6	1	1	53	92	16	4	107
Alaska	-	-	2	1	4	-	-	-	-	-	-	-	-
Hawaii	-	-	2	-	1	-	-	-	1	-	-	-	1
Guam*	-	-	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico	-	-	3	-	1	-	-	-	-	17	-	-	1
Virgin Islands	-	-	-	-	-	-	-	-	-	-	-	-	-

NN: Not notifiable

*Delayed Reports: Asep. Meng: N. Hamp. add 2; Chickenpox: Calif. add 2; Enceph. prim.: La. add 1; Enceph. Post: La. delete 1; Hep. B: N. Dak. add 1, La. add 8, Nev. add 1, Guam add 1; Hep. A: N. Dak. delete 1; Hep. Unsp.: Guam add 1.

Table III-Continued
Cases of Specified Notifiable Diseases: United States
 Weeks Ending September 11, 1976 and September 6, 1975 — 36th Week

REPORTING AREA	MEASLES (Rubella)			MENINGOCOCCAL INFECTIONS TOTAL			MUMPS		PERTUSSIS	RUBELLA		TETANUS
	1976	CUMULATIVE		1976	CUMULATIVE		1976	CUM. 1976	1976	1976	CUM. 1976	CUM. 1976
		1976	1975		1976	1975						
UNITED STATES	84	34,407	21,183	13	1,129	1,065	142	32,348	22	42	10,583	40
NEW ENGLAND	1	387	309	1	50	60	1	1,268	-	2	276	1
Maine	-	7	14	-	1	6	-	114	-	-	5	-
New Hampshire	-	9	22	-	4	2	-	25	-	-	11	-
Vermont	-	41	49	-	3	-	-	7	-	-	1	-
Massachusetts	-	37	110	1	14	20	1	153	-	-	135	1
Rhode Island	-	14	3	-	5	3	-	447	-	-	5	-
Connecticut	1	279	111	-	23	29	-	522	-	2	119	-
MIDDLE ATLANTIC	10	6,987	1,757	4	166	107	8	3,017	1	4	2,280	4
Upstate New York	3	2,933	577	-	62	31	4	380	-	1	601	2
New York City	1	452	142	2	45	29	4	1,601	-	-	140	1
New Jersey	3	598	460	2	22	18	-	494	-	2	1,339	-
Pennsylvania	3	3,004	578	-	37	29	-	542	1	1	200	1
EAST NORTH CENTRAL	19	14,557	6,309	-	142	146	37	13,353	2	20	3,935	2
Ohio	-	572	106	-	60	43	-	1,901	-	-	277	1
Indiana	4	3,268	381	-	6	6	3	1,442	-	10	714	-
Illinois	7	1,568	1,801	-	17	19	1	1,757	1	3	1,168	-
Michigan	4	5,839	3,010	-	50	59	-	4,828	-	3	1,365	1
Wisconsin	4	3,350	1,011	-	9	19	33	3,425	1	4	411	-
WEST NORTH CENTRAL	-	1,125	4,971	-	66	65	25	3,278	1	2	389	6
Minnesota	-	414	182	-	12	15	-	546	-	-	26	1
Iowa	-	33	574	-	9	6	25	1,173	-	-	84	-
Missouri *	-	18	268	-	23	32	-	321	1	2	36	2
North Dakota	-	3	1,051	-	3	-	-	123	-	-	3	1
South Dakota	-	4	356	-	1	1	-	7	-	-	19	1
Nebraska	-	55	395	-	5	2	-	99	-	-	3	-
Kansas	-	598	2,145	-	13	9	-	1,009	-	-	218	1
SOUTH ATLANTIC	5	2,262	341	2	210	219	26	2,484	10	3	1,280	8
Delaware	-	128	35	-	6	6	6	59	-	-	33	-
Maryland	-	829	48	1	18	24	5	678	-	-	3	3
District of Columbia	-	12	1	-	2	5	2	105	-	-	45	-
Virginia	1	783	37	1	27	18	-	197	-	-	234	1
West Virginia	2	188	153	-	7	5	3	751	2	3	296	-
North Carolina	1	17	2	-	39	39	-	373	8	-	17	-
South Carolina	-	4	-	-	36	34	6	45	-	-	590	-
Georgia	-	2	40	-	20	14	-	-	-	-	2	-
Florida	1	319	25	-	55	74	4	276	-	-	60	4
EAST SOUTH CENTRAL	2	826	271	-	103	155	11	2,756	3	1	358	7
Kentucky	1	748	83	-	19	64	2	954	1	1	159	2
Tennessee *	-	61	177	-	43	49	8	1,483	2	-	187	4
Alabama	-	-	3	-	30	29	1	263	-	-	1	1
Mississippi	1	17	8	-	11	13	-	56	-	-	11	-
WEST SOUTH CENTRAL	9	699	299	2	179	171	13	2,293	2	4	519	8
Arkansas	-	-	-	-	11	9	-	77	-	-	190	-
Louisiana	5	199	1	1	36	30	-	22	-	1	86	2
Oklahoma	-	291	125	-	20	9	2	644	1	-	64	-
Texas	4	209	173	1	112	123	11	1,550	1	3	179	6
MOUNTAIN	5	5,072	1,403	1	40	34	-	1,108	-	3	472	1
Montana	-	204	50	-	4	7	-	21	-	1	235	-
Idaho	-	2,020	12	1	5	5	-	441	-	-	18	-
Wyoming	1	4	1	-	-	-	-	1	-	-	2	-
Colorado	2	307	1,158	-	11	9	-	221	-	1	23	-
New Mexico	-	15	13	-	4	4	-	127	-	-	31	-
Arizona	-	226	76	-	10	1	-	-	-	-	-	1
Utah	2	2,233	66	-	4	7	-	183	-	1	144	-
Nevada	-	63	27	-	2	1	-	114	-	-	19	-
PACIFIC	33	2,452	5,523	3	173	108	21	2,791	3	3	1,074	3
Washington	-	334	289	-	29	17	3	851	-	-	163	-
Oregon	3	162	196	1	16	4	4	349	1	-	134	1
California	30	1,949	4,974	1	107	82	12	1,536	2	3	756	2
Alaska	-	4	-	1	18	4	-	23	-	-	1	-
Hawaii	-	3	64	-	3	1	2	32	-	-	20	-
Guam	-	12	31	-	1	2	-	13	-	-	5	-
Puerto Rico	4	360	608	-	3	1	3	654	-	-	9	5
Virgin Islands	-	11	8	-	-	-	-	26	-	-	8	1

*Delayed Reports: Measles: Tenn. add 3; Men. Inf.: Mo. add 1; Mumps: Mo. add 1; Rubella: Tenn. delete 3.

Table III-Continued
Cases of Specified Notifiable Diseases: United States
Weeks Ending September 11, 1976 and September 6, 1975 - 36th Week

REPORTING AREA	TUBERCULOSIS		TULA-REMIA	TYPHOID FEVER		TYPHUS-FEVER TICK-BORNE (RMSF)		VENEREAL DISEASES (Civilian Cases Only)					RABIES IN ANIMALS	
	1976	CUM. 1976	CUM. 1976	1976	CUM. 1976	1976	CUM. 1976	GONORRHEA		SYPHILIS (Pri. & Sec.)		CUM. 1976		
								1976	CUMULATIVE		1976		CUMULATIVE	
									1976	1975			1976	1975
UNITED STATES	521	23,118	93	11	269	22	692	18,677	691,229	674,826	358	16,549	17,588	1,934
NEW ENGLAND	23	826	1	-	20	-	7	673	19,317	18,283	9	539	609	50
Maine	-	60	-	-	-	-	-	34	1,602	1,454	1	15	21	25
New Hampshire	-	34	-	-	2	-	-	18	551	505	-	7	12	-
Vermont	1	23	-	-	-	-	-	9	474	456	-	8	5	-
Massachusetts	20	497	1	-	13	-	4	294	9,249	8,496	2	383	392	19
Rhode Island	-	59	-	-	-	-	2	65	1,296	1,500	-	17	13	4
Connecticut	2	153	-	-	5	-	1	253	6,145	5,872	6	109	166	2
MIDDLE ATLANTIC	128	4,384	3	-	43	4	42	1,574	80,598	79,357	62	2,770	3,199	31
Upstate New York	22	697	2	-	8	-	19	74	12,303	13,994	3	164	306	11
New York City	54	1,790	1	-	21	-	4	560	36,776	34,323	46	1,719	1,835	-
New Jersey	28	859	-	-	9	1	9	435	12,234	11,274	8	412	504	3
Pennsylvania	24	1,038	-	-	5	3	10	505	19,285	19,766	5	475	554	17
EAST NORTH CENTRAL ..	74	3,277	1	2	26	1	16	3,418	109,676	111,090	46	1,440	1,453	116
Ohio	24	627	-	1	11	-	13	732	27,068	30,666	4	334	340	12
Indiana	5	381	-	-	-	-	-	399	10,932	9,650	3	77	114	21
Illinois	26	1,152	1	1	6	-	-	1,386	38,014	38,603	34	789	706	19
Michigan	14	936	-	-	8	1	3	605	23,232	21,387	4	165	232	5
Wisconsin	5	181	-	-	1	-	-	296	10,430	10,784	1	75	61	59
WEST NORTH CENTRAL ..	11	840	24	1	14	1	22	1,183	35,970	33,282	7	299	445	482
Minnesota	3	153	3	1	7	-	-	91	6,377	6,891	4	70	85	114
Iowa *	4	75	1	-	1	-	3	71	4,498	4,799	-	33	24	102
Missouri	4	420	17	-	3	-	10	697	14,612	11,920	2	120	207	47
North Dakota	-	23	-	-	-	-	-	31	543	527	-	-	5	93
South Dakota	-	36	1	-	1	-	3	30	1,018	1,323	-	4	5	55
Nebraska *	-	37	-	-	1	-	-	59	3,071	2,919	-	23	14	12
Kansas *	-	96	2	-	1	1	6	204	5,851	4,903	1	49	105	59
SOUTH ATLANTIC	90	4,935	6	1	36	6	345	4,581	167,606	166,916	105	4,828	5,502	319
Delaware	2	55	-	-	-	-	1	153	2,328	2,438	-	51	65	15
Maryland	15	700	1	1	3	-	20	530	22,233	20,102	4	397	398	11
District of Columbia ..	1	210	-	-	-	-	-	190	9,751	9,716	6	425	477	-
Virginia	9	772	2	-	4	1	79	489	17,715	16,400	10	472	422	49
West Virginia	2	197	-	-	4	-	8	52	2,154	2,067	-	19	41	12
North Carolina *	18	897	3	-	1	4	153	745	24,539	23,571	29	885	684	10
South Carolina	13	371	-	-	4	1	41	671	15,832	15,628	2	272	377	3
Georgia	-	608	-	-	2	-	41	823	32,397	30,957	13	529	727	147
Florida	30	1,125	-	-	18	-	2	928	40,657	46,037	41	1,778	2,311	72
EAST SOUTH CENTRAL ..	51	1,966	13	-	9	5	131	1,599	61,168	57,422	24	665	771	96
Kentucky	15	425	1	-	5	-	28	259	7,878	7,514	3	94	121	48
Tennessee	9	595	12	-	4	5	81	623	24,480	22,660	6	232	291	32
Alabama	17	583	-	-	-	-	9	334	17,138	15,837	5	140	177	16
Mississippi	10	363	-	-	-	-	13	383	11,672	11,411	10	199	182	-
WEST SOUTH CENTRAL ..	50	2,664	32	2	13	5	120	1,621	88,336	82,516	14	1,957	1,496	447
Arkansas	5	339	17	1	4	1	19	266	8,376	8,448	2	64	45	110
Louisiana *	7	383	2	-	2	-	-	118	12,752	15,347	2	406	346	5
Oklahoma	9	250	7	-	1	1	87	177	8,447	7,983	-	73	58	102
Texas *	29	1,692	6	1	6	3	14	1,060	58,761	50,738	10	1,414	1,047	230
MOUNTAIN	21	644	3	1	19	-	4	774	26,705	26,521	10	554	410	104
Montana *	-	37	2	-	2	-	1	66	1,416	1,427	-	6	4	63
Idaho	-	18	-	-	1	-	1	48	1,463	1,327	3	29	10	-
Wyoming	-	15	-	-	-	-	-	2	530	610	-	8	10	1
Colorado	2	108	-	1	5	-	1	245	7,057	6,579	1	115	69	4
New Mexico *	4	114	-	-	1	-	1	115	5,186	4,791	2	191	111	3
Arizona	9	294	-	-	9	-	-	232	7,843	7,214	4	161	152	21
Utah	6	34	1	-	1	-	-	45	1,421	1,716	-	18	12	12
Nevada	-	24	-	-	-	-	-	21	1,789	2,857	-	26	42	-
PACIFIC	73	3,582	10	4	89	-	5	3,254	101,853	99,439	81	3,497	3,703	289
Washington	-	281	2	1	4	-	3	266	8,532	9,077	-	92	142	6
Oregon	5	135	1	-	-	-	-	246	7,268	7,615	2	76	94	8
California	52	2,662	7	3	83	-	2	2,616	80,779	78,653	75	3,239	3,428	235
Alaska	-	60	-	-	-	-	-	71	2,882	2,384	1	14	5	40
Hawaii	16	444	-	-	2	-	-	55	2,392	1,710	3	76	34	-
Guam *	-	30	-	-	-	-	-	-	208	287	-	1	12	-
Puerto Rico	13	291	-	-	1	-	-	37	1,981	2,019	7	418	500	35
Virgin Islands	-	5	-	-	-	-	-	3	180	130	-	46	28	-

*Delayed Reports: TB: Kans. delete 2, N. Car. delete 4, La. add 83, N. Mex. add 2, Guam add 2; RMSF: Tex. delete 1; GC: Neb. delete 8, La. delete 5, Guam add 10; Syphilis: Mont. add 2; An Rabies: Iowa delete 1.

Table IV
Deaths in 121 United States Cities
Week Ending September 11, 1976 - 36th 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	594	374	156	25	24	42	SOUTH ATLANTIC ...	962	544	267	77	45	33
Boston, Mass.	160	86	49	11	5	7	Atlanta, Ga.	113	59	29	18	3	5
Bridgeport, Conn.	36	25	9	1	-	2	Baltimore, Md.	173	88	54	20	7	3
Cambridge, Mass.	18	12	6	-	-	1	Charlotte, N. C.	37	21	11	3	1	-
Fall River, Mass.	24	16	7	-	-	-	Jacksonville, Fla.	122	66	27	10	10	-
Hartford, Conn.	55	25	22	1	5	-	Miami, Fla.	78	46	26	3	2	2
Lowell, Mass.	23	14	6	2	-	2	Norfolk, Va.	46	23	16	3	2	4
Lynn, Mass.	29	19	8	1	1	1	Richmond, Va.	75	44	26	4	1	4
New Bedford, Mass.	20	16	3	1	-	-	Savannah, Ga.	27	17	7	1	2	4
New Haven, Conn.	44	28	9	1	6	-	St. Petersburg, Fla.	61	47	10	2	2	1
Providence, R.I.	49	30	14	2	3	10	Tampa, Fla.	76	49	18	4	1	6
Somerville, Mass.	10	6	2	1	1	1	Washington, D. C.	115	61	34	6	12	4
Springfield, Mass.	42	33	5	1	2	5	Wilmington, Del.	39	23	9	3	2	-
Waterbury, Conn.	26	18	7	1	-	3							
Worcester, Mass.	58	46	9	2	1	10							
MIDDLE ATLANTIC ...	2,422	1,493	622	146	81	116	EAST SOUTH CENTRAL	549	301	166	44	21	26
Albany, N. Y.	47	26	16	1	4	1	Birmingham, Ala.	88	50	29	7	2	-
Allentown, Pa.	26	20	5	1	-	2	Chattanooga, Tenn.	49	26	14	3	2	4
Buffalo, N. Y.	117	58	46	5	4	7	Knoxville, Tenn.	26	11	12	1	-	-
Camden, N. J.	33	24	9	-	-	-	Louisville, Ky.	110	62	32	7	4	9
Elizabeth, N. J.	25	15	7	1	1	1	Memphis, Tenn.	118	56	45	8	4	2
Erie, Pa.	33	22	9	-	-	4	Mobile, Ala.	47	26	9	11	1	4
Jersey City, N. J.	43	25	11	5	2	1	Montgomery, Ala.	24	14	7	1	2	2
Newark, N. J.	47	22	17	3	2	1	Nashville, Tenn.	87	56	18	6	6	5
New York City, N. Y.	1,238	785	284	90	39	44	WEST SOUTH CENTRAL	904	497	238	74	56	21
Paterson, N. J.	20	12	6	1	1	1	Austin, Tex.	35	25	7	-	1	1
Philadelphia, Pa.*	298	174	83	18	13	19	Baton Rouge, La.	61	33	15	5	5	2
Pittsburgh, Pa.	126	67	47	5	5	18	Corpus Christi, Tex.	19	13	3	-	1	1
Reading, Pa.	29	22	4	1	1	4	Dallas, Tex.	158	83	46	13	8	4
Rochester, N. Y.	118	81	26	6	1	4	El Paso, Tex.	31	18	9	3	1	2
Schenectady, N. Y.	25	18	4	-	-	-	Fort Worth, Tex.	67	44	10	6	3	2
Scranton, Pa.	20	14	6	-	-	1	Houston, Tex.	126	62	47	10	3	1
Syracuse, N. Y.	99	51	25	9	7	3	Little Rock, Ark.	54	28	14	-	9	2
Trenton, N. J.	30	17	10	-	1	2	New Orleans, La.	134	66	32	18	13	-
Utica, N. Y.	26	22	3	-	-	1	San Antonio, Tex.	113	64	25	14	5	3
Yonkers, N. Y.	22	18	4	-	-	1	Shreveport, La.	49	25	15	2	4	1
							Tulsa, Okla.	57	36	15	3	3	2
EAST NORTH CENTRAL	2,012	1,146	567	131	94	51	MOUNTAIN	440	236	124	40	22	15
Akron, Ohio	64	44	17	-	2	-	Albuquerque, N. Mex.	63	37	11	9	2	4
Canton, Ohio	32	20	9	1	-	-	Colorado Springs, Colo.	30	20	6	1	2	4
Chicago, Ill.	535	283	152	47	28	12	Denver, Colo.	93	49	26	6	6	2
Cincinnati, Ohio	106	67	33	3	1	2	Las Vegas, Nev.	28	16	10	2	-	-
Cleveland, Ohio	146	81	46	9	5	3	Ogden, Utah	12	9	3	-	-	-
Columbus, Ohio	91	55	23	5	3	5	Phoenix, Ariz.	84	38	28	8	9	-
Dayton, Ohio	88	57	27	2	1	1	Pueblo, Colo.	16	9	5	2	-	1
Detroit, Mich.	308	142	93	28	37	4	Salt Lake City, Utah	39	21	11	3	2	4
Evansville, Ind.	46	32	9	1	1	-	Tucson, Ariz.	75	37	24	9	1	-
Fort Wayne, Ind.	40	27	8	2	2	2	PACIFIC	1,142	708	271	66	46	13
Gary, Ind.	20	9	6	3	-	-	Berkeley, Calif.	14	7	5	1	-	-
Grand Rapids, Mich.	55	36	16	1	-	3	Fresno, Calif.	50	28	12	5	-	-
Indianapolis, Ind.	122	70	33	8	6	1	Glendale, Calif.	6	3	1	-	1	-
Madison, Wis.	33	18	9	3	-	2	Honolulu, Hawaii	59	35	13	5	3	1
Milwaukee, Wis.	87	50	26	7	1	3	Long Beach, Calif.	76	46	24	1	4	2
Peoria, Ill.	36	20	11	1	3	-	Los Angeles, Calif.	285	179	70	18	7	4
Rockford, Ill.	30	23	3	2	1	4	Oakland, Calif.	63	42	10	5	2	-
South Bend, Ind.	33	25	5	1	-	5	Pasadena, Calif.	26	21	3	-	2	-
Toledo, Ohio	77	48	21	4	3	1	Portland, Oreg.	95	68	20	1	3	-
Youngstown, Ohio	63	39	20	3	-	3	Sacramento, Calif.	54	24	21	5	2	-
WEST NORTH CENTRAL	626	376	159	35	34	11	San Diego, Calif.	85	49	20	4	9	-
Des Moines, Iowa	59	35	17	4	1	-	San Francisco, Calif.	106	64	23	8	4	-
Duluth, Minn.	34	24	7	2	1	3	San Jose, Calif.	47	31	8	5	1	1
Kansas City, Kans.	27	14	3	4	1	-	Seattle, Wash.	104	62	25	7	6	-
Kansas City, Mo.	101	69	18	4	9	1	Spokane, Wash.	48	34	9	1	-	2
Lincoln, Nebr.	24	15	6	3	-	1	Tacoma, Wash.	24	15	7	-	2	3
Minneapolis, Minn.	64	40	18	1	4	3							
Omaha, Nebr.	60	38	15	-	4	-							
St. Louis, Mo.	151	84	40	14	8	3							
St. Paul, Minn.	55	32	18	-	3	-							
Wichita, Kans.	51	25	17	3	3	-	TOTAL	9,651	5,675	2,570	638	423	328
							Expected Number	11,507	6,853	3,014	779	379	359

*Includes 100 deaths for which the age distribution has been estimated.

The Morbidity and Mortality Weekly Report, circulation 52,000, is published by the Center for Disease Control, Atlanta, Georgia. The data in this report are provisional, based on weekly telegraphs 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.

Send mailing list additions, deletions, and address changes to: Center for Disease Control, Attn.: Distribution Services, GSO, 1-SB-36, Atlanta, Georgia 30333. When requesting changes be sure to give your former address, including zip code and mailing list code number, or send an old address label.

International Notes

Human Plague – Worldwide

The total number of human plague cases reported in 1975 was 1,478, of which 99 were fatal; in 1974, 2,737 cases and 164 deaths were reported. This decrease was mainly due to incomplete reporting from the Republic of South Vietnam.

In Africa the number of cases dropped from 184 (26 deaths) in 1974 to 146 (38 deaths) in 1975. Although the overall figure for Africa was lower, Angola sent notifications for the first time (49 cases), and a slight increase was reported from Madagascar (54 cases and 18 deaths), Southern Rhodesia (34 cases and 12 deaths), and Lesotho (8 fatal cases). These figures suggest that there has been some increased activity in plague foci in Africa.

In Asia the reduction in the number of plague cases reflects the absence of reports from the Republic of South Viet-Nam since May 1975. Up to that date, 536 cases with 32 deaths in 16 of 45 provinces had been reported. In Burma, where 275 cases (20 deaths) were reported, the highest incidence was observed in Shan State with a peak in September and October (100 cases and 12 deaths).

In the Americas sharp increases in the number of human plague cases were noted in Brazil (496 cases and 5 deaths) and in the United States of America (20 cases and 4

deaths). An outbreak was reported in the northeast of Brazil in the States of Ceara (126 cases), Bahia (77 cases), Paraiba (6 cases), and Pernambuco (271 cases). For the first time since 1938 the State of Piaui has reported human plague, with 16 cases. In the United States the reports of human plague were from 5 states: Arizona (3 cases), California (1 case), Colorado (1 case), New Mexico (14 cases), and Utah (1 case). In addition, Peru reported 3 cases and Bolivia 2 cases.

Although officially reported cases in Asia suggest an improving situation, the actual status of plague is unknown. African countries have experienced outbreaks in recent years: Namibia in 1974, Libyan Arab Republic in 1972, Southern Rhodesia in 1974 and 1975, and Angola in 1975. The highly sporadic appearance of human plague in such areas indicates a need for diagnosis and reporting at the local level.

The simultaneous resurgence of plague on various continents is unexplained, and for this reason it is necessary that governments report outbreaks so that a better understanding of the epidemiology and status of plague can be obtained.

Reported by the World Health Organization in the Weekly Epidemiological Record 51(30):237-238, July 23, 1976

Current Trends

Primary and Secondary Syphilis – United States, July 1976

Reported cases of primary and secondary syphilis numbered 1,894 in July 1976 – 11.8% less than the number of cases reported in July 1975. During the first 7 months of 1976, 13,997 cases were reported; this was 913 cases or

6.1% less than the number reported during the same time period of 1975.

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

Summary of Reported Primary and Secondary Syphilis Cases by Reporting Area
July 1976 and July 1975 – Provisional Data

Reporting Area by HEW Regions	July		Calendar Year Cumulative January-July		Reporting Area by HEW Regions	July		Calendar Year Cumulative January-July		Reporting Area by HEW Regions	July		Calendar Year Cumulative January-July	
	1976	1975	1976	1975		1976	1975	1976	1975		1976	1975	1976	1975
Connecticut	19	28	87	142	Illinois (Excl. Chicago)	13	34	84	178	Arizona	12	21	137	144
Maine	3	2	12	17	Chicago	77	50	618	448	California (Excl. LA & SF)	134	145	1208	1054
Massachusetts	33	48	281	338	Indiana (Excl. Indianapolis)	8	12	50	85	Los Angeles*	103	178	1040	1122
New Hampshire	1	1	8	11	Indianapolis*	4	11	22	24	San Francisco*	88	93	444	574
Rhode Island	2	3	15	8	Michigan	19	26	148	201	Hawaii	7	1	58	34
Vermont	2	1	5	8	Minnesota	12	11	58	87	Nevada	5	3	28	33
REGION I TOTAL	80	84	428	522	Ohio	38	18	282	278	REGION IX TOTAL	328	438	2814	2881
New Jersey	57	58	338	488	Wisconsin	12	4	84	52	Alaska	1	1	14	3
New York (Excl. NYC)	18	45	148	259	REGION V TOTAL	183	188	1248	1308	Idaho	1	0	15	10
New York City	172	232	1423	1888	Arkansas	9	5	53	38	Oregon	3	11	82	72
REGION II TOTAL	247	335	1807	2381	Louisiana	57	48	383	300	Washington	17	24	90	131
Delaware	3	8	38	51	New Mexico	3	9	88	97	REGION X TOTAL	22	38	181	216
District of Columbia	49	64	355	391	Oklahoma	12	5	58	44	UNITED STATES TOTAL	1894	2148	13997	14810
Maryland (Excl. Baltimore)	22	15	114	125	Texas	158	148	1141	1141	Puerto Rico	50	62	358	468
Baltimore	40	32	282	228	REGION VI TOTAL	237	214	1721	1348	Virgin Islands	4	1	26	18
Pennsylvania (Excl. Phila.)	17	33	148	230	Iowa	1	4	22	22	United States, including Outlying Areas	1948	2211	14382	15394
Philadelphia	33	25	241	288	Kansas	6	24	47	80	Note: Cumulative totals include revised and delayed reports through previous months.				
Virginia	71	59	389	343	Missouri	10	18	102	178	Source: CDC 9-88 CDC, VD Control Division, Atlanta, GA 30333				
West Virginia	1	2	18	17	Nebraska	9	7	21	13					
REGION III TOTAL	238	238	1867	1849	REGION VII TOTAL	25	84	192	281					
Alabama	18	21	111	150	Colorado	14	10	85	87					
Florida	234	248	1527	1838	Montana	2	0	7	4					
Georgia (Excl. Atlanta)	87	56	334	381	North Dakota	0	0	2	4					
Atlanta*	30	31	282	241	South Dakota	2	0	4	3					
Kentucky	10	18	82	105	Utah	0	1	18	10					
Mississippi	38	25	188	158	Wyoming	0	2	4	8					
North Carolina	108	74	764	802	REGION VIII TOTAL	18	13	120	84					
South Carolina	27	88	220	318										
Tennessee	11	38	197	240										
REGION IV TOTAL	540	688	3724	4131										

*County Data

Influenza — Worldwide

United States: Since the previous summary (MMWR 25 [33]), no confirmed outbreaks of influenza or isolates of swine influenza-like virus from man have been reported. No other isolations of influenza A or B viruses have been made. *Reported by the National Influenza Immunization Program, CDC.*

Worldwide: There have been no reports of outbreaks of influenza-like illness or isolates of swine influenza-like virus

since the last summary (MMWR 25 [33]). Hong Kong has reported a slight increase in sporadic influenza cases; isolates of a virus similar to the A/Victoria/3/75, which caused outbreaks there from February through May, were obtained.

Reported by the World Health Organization in the Weekly Epidemiologic Record 51(34): 275, August 20, 1976.

International Notes

Quarantine Measures

The following changes should be made in the *Supplement — Health Information for International Travel*, MMWR, Vol. 24, December 1975:

YELLOW FEVER VACCINATION CENTERS:

TENNESSEE

Memphis: Memphis-Shelby County Health Dept., Change telephone number to 901-528-3911.

U. S. Public Health Service Outpatient Clinic 38104, Change telephone number to 901-523-7001.

TEXAS

Houston: Houston Clinic, Change zip code to 77006.

VIRGINIA

Christianburg: Montgomery County Health Dept., Change address to 401 Depot Street.

WISCONSIN

LaCrosse: Gundersen Clinic 54601, Change telephone number to 608-782-7300.

Erratum, Vol. 25, No. 25, July 2, 1976

p 198 In the editorial note to the article, "Relapsing Fever — North Carolina," paragraph 1, line 2, should read "along the Deschutes River," not the Sun River, as written.

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