

PRESUMPTIVE SMALLPOX - Washington, D.C.

A case of presumptive smallpox has been admitted to a hospital in the District of Columbia, prompting an extensive effort to confirm the diagnosis, to trace, vaccinate and to establish surveillance on all possible contacts. This involves persons residing in the District of Columbia and adjacent counties of Maryland and Virginia.

The patient in question is a 31-year-old resident of Ghana who arrived by air in New York City from Accra, Ghana, on May 7, 1965. She then proceeded directly to Washington, D.C. The patient noted onset of malaise, myalgia and possibly fever on May 17. On May 19, an eruption was noted, beginning first on one arm and then

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spread to involve the trunk and the other extremities during the subsequent 48 hours. On May 20, the patient and her husband took a cab to the emergency room of a Washington hospital. In view of the possibility of smallpox, the patient was transferred by ambulance to another hospital with more adequate isolation facilities and the District of Columbia Health Department was notified.

DISEASE	MAY 22,	MAY 16				ST 20 WEEKS
	1965	MAY 16, 1964	MEDIAN 1960 – 1964	1965	1964	MEDIAN 1960 – 1964
eptic meningitis	20	36	29	548	551	485
ucellosis	8	10	10	87	149	149
Phtheria	1	10	6	75	98	190
cephalitis, primary infectious · ·	31	45		602	666	
cephalitis, post-infectious	26	28		315	351	
patitis, infectious including	592	755	930	14.862	17.680	19,621
erum hepatitis ••••••••••••••••••••••••••••••••••		26,945	19,186	191,175	337.914	283,157
ningococcal infections · · · · ·	9,234 63	20,945	50	1,666	1,302	1,036
liomyelitis, Total	0.5	1	8	10	26	123
Paralytic	2	1	8	9	21	92
Inparalytic	-			1	4	
Inspecified · · · · · · · · · · · · · · · · · · ·	2			_	1	
		2.55				
eptococcal Sore Throat and carlet fever	E 004	0.000	6 001	209,910	011 150	100 500
tanus ····	7,884	8,366	6,821	n .	211,156	179,578
laremia	8	5		81	80	
Phoid fever	7 13	4	13	74 135	92 130	159

Table 2. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax:	5	Rabies in Man:	-
Botulism:	3	Smallpox:	
Leptospirosis Iowa-1	12	Trichinosis: Tenn 1 · · · · · · · · · · · · · · · · · ·	53
Malaria: Conn 1, Pa 1, Ore 1	22	Typhus –	
Plague:		Murine:	
rsittacosis:	13	Rky. Mt. Spotted: NY Up-State-1, Md1, Tenn1, Va1.	15

PRESUMPTIVE SMALLPOX - Washington, D.C.

(Continued from front page)

The clinical illness has been characterized by fever (to 103°F) which persisted through May 24 (5 days after the appearance of the eruption), and by a vesicular rash with centripetal distribution involving primarily the trunk and to a lesser extent the face and extremities. One such lesion was observed on the soft palate and none were seen on the palms and soles. The lesions were somewhat superficially placed, irregular in size and shape and demonstrated some evidence of "cropping"; several lesions evolved from macule to vesicule to scab in the first four days of the eruption.

The patient received an apparently successful primary vaccination in childhood. She was revaccinated in April, 1965, without apparent take. She has a valid international vaccination certificate. She reported the possibility of contact with a child with a rash sometime during the month prior to her departure from Accra.

Fluorescent antibody results were positive for variola in several specimens of vesicular fluid; similar studies were negative for herpes and chickenpox. A skin biopsy through one of the lesions revealed the presence of intracytoplasmic inclusion bodies and no intraneclear inclusion bodies. Complement fixation antibody studies performed on the vesicular fluid were inconclusive. Isolation attempts in embryonated eggs are in process and appear to be highly suspicious for variola.

On the basis of the preliminary clinical, epidemiological and laboratory evidence the case was considered to be presumptive smallpox and extensive efforts have been undertaken by the District of Columbia Department of Public Health to minimize additional contacts with the patient and to detect, vaccinate and place under surveillance all persons who have come in contact with the patient. In addition to the strict isolation of the patient in a private room, the floor on which the isolation room is located has been closed to all visitors as well as to future admissions. Discharges from that floor have also been discontinued.

Tracing of contacts has led to the identification of over 900 contacts who have been placed in one of three categories of presumed risk. A total of 95 individuals are known to have had direct contact with the patient since May 13. Of these, 93 have been located, vaccinated and placed under surveillance. These include the patient's husband and friends, taxicab and ambulance drivers, personnel of both hospitals, the District of Columbia Department of Public Health and the Communicable Disease Center, and laundry workers handling potentially contaminated laundry.

An additional 683 persons have been identified as indirect contacts of the patient. These include other hospital patients on the same floor, patients recently discharged from that floor, and visitors to that floor (before quarantine measures were instituted), medical and nursing staff not directly in contact with the patient, laundry workers, housekeepers and para-medical personnel who have been on the floor, and persons who were in the emergency room of the first hospital visited on May 20. To date, 599 of these 683 persons have been vaccinated and placed under surveillance.

The third category consists of secondary contacts. This includes the families and close associates of the 95 persons who had direct contact with the patient. More than 150 persons have been identified, over half of whom have been located and vaccinated.

The surveillance of the direct contacts includes both daily temperature recording and clinical examination for 16 days following the last known contact or date of successful vaccination. Indirect and secondary contacts have been instructed to report any suspicious symptoms occurring during the first 16 days after the last possible contact. These are to be investigated immediately. All persons in these categories will be contacted at the close of this period to ascertain their well being.

The hospital where the case is now isolated offered smallpox vaccinations to the entire staff on World Health Day during April 1965. Approximately one-third of all personnel responded and were vaccinated during this program.

Health authorities in Maryland, Massachusetts, New York City, North Carolina, Pennsylvania and Virginia are being advised of direct and indirect contacts who are now in their jurisdictions.

(Reported by Dr. Murray Grant, Director of Public Health, Department of Public Health, Government of District of Columbia, and a team from the Communicable Disease Center.)

BOTULISM – Washington

Five cases of clinical botulism and an additional suspected case have occurred among seven persons from Granger, Washington, who ate a common meal on the evening of May 21, 1965. The onsets of illness ranged from 28 to 60 hours after consuming the dinner. A line listing of the cases appears on opposite page

Eight foods were served at the involved meal: (1) fried chicken; (2) boiled rice; (3) macaroni salad (con-

taining boiled macaroni, hard boiled eggs, fresh cucumbers, fresh onions, and mayonnaise); (4) canned fruit cocktail mixed with jello; (5) canned, ripe, black, pitted olives; (6) canned pork and beans (served unheated); (7) ice cream (commercial) and (8) cake. The beverages were coffee for the adults and powdered reconstituted soft drinks for the children.

The food histories are tabulated on opposite page.

Case No.	Age	Sex	Onset	Clinical Condition
1	37	F	5/22	Severe
2	17	F	5/22	Severe
3	14	F	5/23	Fair
4	18	F	5/23	Fair
5	6	M	5/24	Good
6	37	M	5/24	Good
7	13	M	Develo	oed no illness

All of those with clinical botulism (cases 1-5) ate all of the foods served. The suspect (case 6) who has very mild symptoms ate hurriedly and consumed only small amounts of each food. The only individual without illness (case 7) ate all foods except the pork and beans; however, the accuracy of this 13 year old boy's history is open to question.

			С	ase N	o .		
	1	2	3	4	5	6	7
Chicken	+	+	+	+	+	+	+
Rice	+	+	+	+	+	+	+
Macaroni Salad	+	+	+	+	+	+	+
Fruit Salad	+10	+	+	+	+	+	+
Olives	+	+	+	+	+	+	+
Pork and Beans	+	+	+	+	+	+	-
Ice Cream	+	+	+	+	+	+	+
Cake	+	+	+	+	+	+	+

The pork and beans, the ripe olives and the fruit salad were commercially canned products. Laboratory studies are currently in progress in an attempt to ascertain the involved food.

(Reported by Dr. Ernest A. Ager, Chief of Epidemiology, State Department of Health, Olympia, Washington.)

POLIOMYELITIS - Nebraska

Two cases of paralytic poliomyelitis including one death have occurred in Morrill County, Nebraska. The first case became ill on May 9, 1965, five days after returning from a visit to Baja California, Mexico. Initial symptoms of fever and nausea were followed by stiff neck and flaccid paralysis of both lower extremities which progressed rapidly to include the upper extremities and respiratory musculature. The patient died on May 13. The second case is an 11-month-old male cousin of the first case and had onset of illness on May 12. This patient has weakness of the left arm and left facial nerve.

Stool specimens from seven of eight siblings of the

first case have yielded Type I poliovirus at the Virology Laboratory, Department of Microbiology, University of Nebraska, and confirmed as Type I at the CDC Kansas City Field Station. Laboratory studies on specimens from the second case are in process.

A mass vaccination program utilizing Type I oral poliomyelitis vaccine from the CDC Epidemic Reserve, will be conducted by the Nebraska Department of Health, in Morrill County (population 7,000) and adjacent Scotts Bluff County (population 34,000).

(Reported by Dr. E.A. Rogers, Director of Health, Nebraska Department of Health.)

SALMONELLOSIS - Michigan

During September, 1964, 9 of 11 persons partaking of a picnic dinner became ill with gastroenteritis traced to Salmonella typhi-murium phage type 2a. The onset of illness varied from 15 to 24 hours after the meal with symptoms of fever, chills, abdominal cramps, vomiting and diarrhea. Salmonella typhi-murium phage type 2a was recovered from stool cultures of 7 of the 9 persons ill.

An epidemiologic investigation suggested that homemade ice cream was the vehicle of infection. Salmonella *lyphi-murium* phage type 2a was recovered from samples of the ice cream mix. Raw eggs and home-pasteurized cream were used in preparing the ice cream mix, which was uncooked prior to freezing. Samples of the raw cream, four raw eggs, and chicken feed were submitted to the laboratory for culture. All of these were negative for salmonella. However, because the sanitarian at the farm producing the eggs used in making the ice cream had noted a sudden drop in egg production just prior to the outbreak, the investigation was continued. Because of the low production, the layers were slaughtered, and at the time of the slaughtering, samples of the intestine and liver were collected for culture. Salmonella typhi-murium phage type 2a was isolated from the composite sample of the livers and from 3 culture swabs taken from stool contents. The authors concluded that the raw eggs used in preparing the uncooked ice cream mix had been contaminated with salmonella.

(Reported by Dr. Donald B. Coohon, Epidemiologist, Morris L. V. French, Division of Laboratories, George Rouman, Chief, Environmental Health Division, C.A.E. Luval, M.D., Health Officer, and Madeline Heffron, Division of Nursing, Michigan State Department of Health.)

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Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES FOR WEEKS ENDED MAY 22, 1965 AND MAY 16, 1964 (20th Week)

	Asep	tic	Encept	nalitis			Poliom	yelitis			Dipht	heria
	Mening		Primary	Post-Inf.	T	otal Case	S		Paralytic			
Area		<u> </u>					ative			ative		Cum.
	1015		10/5	1065	10/5		· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·			
	1965	1964	1965	1965	1965	1965	1964	1965	1965	1964	1965	1965
UNITED STATES	20	36	31	26	2	10	26	2	9	21	1	75
TEW ENGLAND	-	2	3	3	-	- 31	1	-		1	-	1
Maine			-		-	-	1		- {	1	-	-
New Hampshire	- 1			} _ {	- 1				-	1	-	-
Vermont			-	-		-	-		- 1		- 1	
Massachusetts	- 1		3	-	-	-	-	- 1	-		-	1
Rhode Island	- 1	1	1 -	1	- I	-	} _	} _	-	-	-	-
Connecticut	-	1	- 1	2	-	-	- 1	-	-	-	-	
IDDLE ATLANTIC		4	7	1 . 1			, i					
New York City	2	4	3	1		1	4		-	4	7	4
New York, Up-State.	2	2	2	1	- 1			_		1		2
	-	-	1		-	-	2			2		
New Jersey Pennsylvania		2	1	_	-	-	1		-	1		-
Pennsylvania	-	2	1		-	-	-		-	-	-	2
AST NORTH CENTRAL	3	5	6	1	 :	_	3	-	- (3	- [3
Ohio	-	2	3	-	-	-	2	-	- 1	2	- 1	1
Indiana	- }	-	2		-	-	-		-	-	_	2
Illinois	1		1 -	1	-		1	-	-	1	-	-
Michigan	-	3	1) =	-	-	-	-	-		-	_
Wisconsin	2		-	-	-		-	-	-	-	-	
			-	 a su su 			1					
EST NORTH CENTRAL	-	1	3	1	1	2	-	1	2	-	-	18
Minnesota	-	1	3	-	-	1	-	- 1	1	-	-	7
Iowa	-	-	-		-	-	-		-	-	- 1	1
Missouri	-	-		1	-	-	-	-	-	2 H -	- (1
North Dakota	-	-				-	-	-	-	- 1		-
South Dakota	-		-			-	-	-	-	-	-	7
Nebraska	-	-	-	-	1	1	-	1	1		-	1
Kansas	-	-	-	-	- }	-	-	-	_		- 1	1
OUTH ATLANTIC)					10
Delaware	1	3	2	3	-	-	11	-	-	8	-	15
		-	-	-	-	-	-	-	-	-	-	
Maryland Dist. of Columbia	-		-				-	-	-		-	
Virginia	-	1	-	-	-	-	-	-	- 1	-	-	3
West Virginia.		-	1	2	-	-		- 1	-	-	-	
North Carolina	-	1					1			1		
South Carolina	-	- 121	1	-			5	•	10	2	7	1
Georgia	-		-	-	-	-		-	-	-	-	
Florida		- 11 Ç. I	2011 In		-		1	C	-	1	-	8
1101100	1	1	-	1	-	-	4	-	-	4	-	3
AST SOUTH CENTRAL	2	11	· ·	1	-		2		-	1	-	10
Kentucky	-	9	- 1		-		-	_	-	1	-	10
Tennessee	- 1	-	1 -	1	_ 1	-	1		-	_ 1	-	
Alabama	2	2	1 -	<u>i</u>	-	132.0	i	1000		1	-	9
Mississippi		-	-	-	-	_	-	_	<u>.</u>	-	-	1
							[
EST SOUTH CENTRAL	1	-	5	1	1	3	1	1	3	1	1	19
Arkansas	-	-	1	-	-		·	1900 - 1900 - 1900 - 1900 - 1900 - 1900 - 1900 - 1900 - 1900 - 1900 - 1900 - 1900 - 1900 - 1900 - 1900 - 1900 -	-	-	1	2
Louisiana	-		3	× .				÷.			-	2
Oklahoma		-		-	() • ()						1 C - 2	
Texas	1		1	1	1	3	1	1	3	1	- }	15
DUNTAIN		-										
Montana	-	3	3	-	-	3	2	-	3	1		
Idaho	1.1	-	1		-	-	3.77					
Wyoming.			-	- 1			-	-	Π.	-	-	19
Colorado.			-		-		-	•		-		1.13
New Mexico				-	-	-	1			1		
Arizona	-	-	-	-	-	1	1		1	-		
Utah		1	2	-		2	-	-	2	-		
Nevada.		2	-				-		-	-		
	-			-	-		-	-	-	-	-	
ACIFIC	11	7	2	15	-	1	2		1	2		9
Washington	2	í		1		<u>_</u>	-				1.000	
Oregon	-	-		-	- 2	1	1	12			- A.	J
California	9	6		14	18	-î				1	-	
Alaska	-	-			-	_	1		1	1		- 4
Hawaii.	- Q	Sec. 1	2	1					-			
5 F 6 15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		-	<u> </u>		-	-	-		-	-		

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Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

MAY 22, 1965 AND MAY 16, 1964 (20th Week)-Continued

	Brucel- losis			tious Hepa g Serum He				eningococc Infections		Teta	nus
Area		Total incl.unk.	Under 20 years	20 years and over		lative als		Cumu 1	ative		Cum.
	1965	1965	1965	1965	1965	1964	1965	1965	1964	1965	1965
UNITED STATES	8	592	321	246	14862	17680	63	1666	1302	8	81
NEW ENGLAND	-	33	19	13	904	1856	3	83	36	·	4
New Hampshire	-	3	1 7	2	188 83	637 135		9	5	-	
Vermont	-		-	-	42	234	- 11.	5 2	- 1	-	1
Massachusetts	-	14	8	6	342	363		28	15		3
Rhode Island	-	3	1	ī	117	92	1	12	2		-
Connecticut	-	4	2	2	132	395	2	27	13	1.00	
TIDDLE ATLANTIC	-	93	45	48	2552	4020			1.50	100	- 26
New York City			45	40	446	4029 583	6 1	232	150		4
New York, Up-State.		42	18	24	1091	1799	2	36 59	20 43	-	- 2
New Jersey	-	28	17	11	432	737	1	68	50		
Pennsylvania	-	23	10	13	583	910	2	69	37		2
AST NORTH CENTRAL		116	-,	12	0065					Line of	1.1
Ohio	-	116 35	71 23	43 12	2865 860	2700 705	10	202	189	3	8
Indiana	-	16	14	12	239	228	1 2	57 29	53 32		1
Illinois	-	10	7	6	548	466	-	29 51	41	1	4
Michigan	-	42	24	18	1047	1110	6	39	41		-
Wisconsin	-	9	3	6	171	191	1	26	18	2	2
EST NORTH CENTRAL.	7	32	13	13	1007	1012	3	89	72		3
Minnesota	-	5	3	2	89	88	1 i	19	14	200	2
Iowa	5	8	4	2	397	151	1	5	3		-
Missouri	-	7	4	2	191	251	1	41	41	-	1
North Dakota	-	1	-	1	13	41	-	4	5	-	-
South Dakota Nebraska	-	1	-	1	16	99	-	2	-	-	-
Kansas	- 2	3	- 2	- 5	30 271	20	-	9	4	-	-
	-	,	-		2/1	362	-	9	5	-	-
OUTH ATLANTIC	-	69	42	25	1526	1690	9	329	269	1	23
Delaware	-	-		-	56	37	-	4	4		-
Maryland Dist. of Columbia	-	10	2	8	297	328		32	20		1
Virginia	- 2 - 1	- 12		-4	18	28	-	4	9	-	
West Virginia	_	13	11	2	383 230	242 287		37	30		4
North Carolina	-	6	4	2	124	321	4	23 58	19 44	1	1
South Carolina	-	i		ī	51	61	-	50	44		2
Georgia	-	3	3	-	55	39	3	44	26	_	3
Florida	-	24	15	8	312	347	2	77	75	- 1	11
AST SOUTH CENTRAL	-	29	17	11	1116	1004		100			
Kentucky	-	6	4	1	390	1234 539	6 1	123	117	2	14
Tennessee	-	14	10	I	416	421	2	54 36	42 38	1	2 5
Alabama	-	9	3	6	170	168	-	22	20	1	6
Mississippi	- 1	-	-	-	140	106	3	11	17	-	1
EST SOUTH CENTRAL	-	44	22	22	1205	1001					
Arkansas	_	4	1	3	1285 179	1281 139	8	242	172	1	13
Louisiana	-	11	ŝ	6	217	275	-	12 132	10 85		4
Oklahoma	-		-	- 1	34	75	1	132	4		2
Texas	-	29	16	13	855	792	2	81	73	1	- 7
OIDITA TA								1		-	, i
OUNTAIN.	-	36	17	7	901	1123	1	55	44	-	2
Montana Idaho	-	5	2	3	68	109	-	1	-	-	
Wyoming	-	1		-	145	108	-	7	1	-	-
Colorado	-	- 13		-	30	37		2	3	-	-
New Mexico	- 1	13	11 1	2	179 171	315 169	1	13	9		1
Arizona	_	3	-	-	171	246		8 16	19 3	-	
Utah.	-	5	3	2	130	103		6	2		1
Nevada	-	-	-	-	5	36	-	2	7	-	
ACIFIC.	1	110								_	
"asnington	-	140 10	75 5	64 4	2706	2755	17	311	253	1	10
Uregon		10	5	4	226 219	299 312	2	24	19	- - -	
California	1	111	56	55	2105	2005	10	23 248	16	1	2
Alaska		7	7	-	139	85	3	248	205 6		8
Hawaii	-	1		1	17	54	2	7	7		-

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Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

MAY 22, 1965 AND MAY 16, 1964 (20th Week)-Continued

Area		Measles		Strept. Sore Th. & Scarlet Fev.	& Tularemia		Typhoic	i Fever		es in mals
Area		Cumu1	ative			Cum.		Cum.	· · · · · · · · ·	Cum.
THE REAL PROPERTY AND	1965	1965	1964	1965	1965	1965	1965	1965	1965	1965
UNITED STATES	9234	191175	337914	7884	7	74	13	135	80	2026
NEW ENGLAND	929	33199	11133	948	-		_	1	1	22
Maine.	74	2348	1760	122	-	-	-	-	1	1
New Hampshire	6	356	177	6	-	-	-	-		
Vermont	100	778	1899	-	-	- 1	-			19
Massachusetts	376	18009	3117	171	-	-	-	1	-	1
Rhode Island	79	3585	1185	44	-		-	1 - 1		-
Connecticut	294	8123	2995	605	-	-	-	-		1
MIDDLE ATLANTIC	849	9110	39899	421			5	24	3	77
New York City	95	1037	12082	21		-	2	12	-	-
New York, Up-State.	286	2636	8895	250	-			6	2	71
New Jersey	109	1546	9453	74		-	-	2	-	-
Pennsylvania	359	3891	9469	76		-	3	4	1	6
PACE NORELL CENTRAL	0750									
EAST NORTH CENTRAL	2752	38730	74456	781	3	7	3	19	9	289
Ohio Indiana	218	7262	14688	94	-	-	2	6	-	147
Illinois	53 184	1308 1718	17732 12963	87 91	2 1	2	1	4	1	22
Michigan	184	19947	12903	339	-	4	-	4 = 3	6 1	25
Wisconsin	878	8495	9955	170		1	-	2	1	38
in a second s									-	
WEST NORTH CENTRAL	776	14474	18808	311	1	7	-	3	21	378
Minnesota	44	515	225	10	-		-		3	80
Iowa	558	8050	13735	72	-	-	-		8	116
Missouri.	91	2262	784	89	-	4	-	3	3	46
North Dakota	78	3196	3341	72	-	-	-	-	1	17
Nebraska	5	75	3	10	-	1		-	2	28
Kansas		376	720	-	-	- 2	-		1	21
	NN	NN	NN	58	1	2	-		3	70
SOUTH ATLANTIC	681	20122	30110	1061	-	21		31	12	279
Delaware	6	435	300	38	-		_	3		-
Maryland	37	845	2803	196	-]	-	9	-	2
Dist. of Columbia	7	45	336	14	-	-		-		-
Virginia	146	3084	9573	209		3	-	3	8	218
West Virginia	280	11428	6816	290	-	-	-	1		9
North Carolina	8	247	995	9		4	-	7		1
South Carolina	30	863	3707	50	-	3	-	4	-	1
Georgia Florida	21	559	144	16	-	11		2	2	23
101100	146	2616	5436	239	-	-	- 1	2	2	25
EAST SOUTH CENTRAL	453	11597	48443	1048		14	1	15	14	529
Kentucky.	33	2100	16805	48	-	3		6	1	41
Tennessee	312	6597	18228	941		10		3	10	478
Alabama	89	1984	7088	29	-	1	1	3	-	7
Mississippi	19	916	6322	30	-	-	-	3	3	3
WEST SOUTH CENTRAL	1032	26646	58466	713	2	17	2	18	16	324
Arkansas	5	1044	950	/13	1	8	-	8	10	47
Louisiana	4	68	70		-	1		2	2	55
Oklahoma	17	155	767	52	_	4	1	2	3	61
Texas	1006	25379	56679	661	1	4	ĩ	6	10	161
MOUNTAIN										
MOUNTAIN	734	15166	12825	1264	1	8		12	1	34
Idaho.	94 84	3095 2058	2078	33	-	1			1.2	3
Wyoming.	12	720	1373 125	10	1.21					
Colorado	279	4061	2251	700	-			- 1	1.000	1
New Mexico	16	524	242	200				7		6
Arizona	69	762	5092	97				4		23
Utah	177	3770	1062	151	1	7		1 - 1	1	1
Nevada	3	176	602	2	-	-		-	-	-
PACIFIC										
PACIFIC	1028	22131	43774	1337	-	-	2	12	3	94
Oregon	283	6363	15826	253	-	-		1 1		-
California	119	2697	4961	13	I.	0.010.0	2	3	100	2
Alaska	473 8	10315	21753	959	· •	12	-	7	3	91
Hawaii	145	120 2636	980 254	100- 12				- 1	0-1011-1	1
		0.03	2.34	12		<u> </u>			·····	
Puerto Rico	91	1460	3795	18		-	2	3	1	9

Week No. 20

Table 4. DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED MAY 22, 1965

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

	A11 C	auses	Pneumonia	Under		A11 Ca	uses	Pneumonia	Under
Area	A11	65 years	and	1 year	Area	A11	65 years	and	1 year
20 K	Ages	and over	Influenza All Ages	All Causes		Ages	and over	Influenza All Ages	All Causes
			ATT Ages	Gauses				AII Ages	Cauaea
NEW ENGLAND:	665	389	19	39	SOUTH ATLANTIC:	1113	528	46	94
Boston, Mass	193	114	3	9	Atlanta, Ga	112	54	5	6
Bridgeport, Conn	43	21	5	1	Baltimore, Md	270	117	6	29
Cambridge, Mass	22	10		1	Charlotte, N. C	40	16	1	6
Fall River, Mass	33	20	1	3	Jacksonville, Fla	84	35	2	7
Hartford, Conn Lowell, Mass	51 23	28 16		5	Miami, Fla Norfolk, Va	54 52	25 22	24	2
Lynn, Mass	16	13	<u> </u>	-	Richmond, Va	96	46	1	9
New Bedford, Mass	22	11		4	Savannah, Ga	28	15	3	Ś
New Haven, Conn	40	24		2	St. Petersburg, Fla	75	56	5	1
Providence, R. I	68	34	2	3	Tampa, Fla	71	37	9	5
Somerville, Mass	14	8	-	1.1	Washington, D. C	173	82	4	17
Springfield, Mass	42	26	3	2	Wilmington, Del	58	23	4	6
Waterbury, Conn	38	27	-		FACT COUTH CENTRAL.	622	222	25	E /
Worcester, Mass	60	37	5	6	EAST SOUTH CENTRAL: Birmingham, Ala	623 97	333	25	54
MIDDLE ATLANTIC:	3246	1901	143	168	Chattanooga, Tenn	55	22	3	5
Albany, N. Y	37	20		1	Knoxville, Tenn	38	23	3	2
Allentown, Pa	48	33	3	3	Louisville, Ky	146	86	7	19
Buffalo, N. Y	136	89	2	4	Memphis, Tenn	127	71	5	8
Camden, N. J	39	18	2	3	Mobile, Ala	36	16	-	4
Elizabeth, N. J	28	17	3	4	Montgomery, Ala	32	18	5	3
Erie, Pa	41	19	1	3	Nashville, Tenn	92	50	1	6
Jersey City, N. J	59	35	3	5	UPST COUTU CONTRAL.	1000	1		
Newark, N. J New York City, N. Y	121	45	9 74	15	WEST SOUTH CENTRAL: Austin, Tex	1029	487	36	82
Paterson, N. J	1659 33	967 20	1	86	Baton Rouge, La	35 29	22 15	2	1
Philadelphia, Pa	503	302	12	20	Corpus Christi, Tex	26	14	-	
Pittsburgh, Pa	150	92	5	8	Dallas, Tex	133	61	1	8
Reading, Pa	45	28	2	1	El Paso, Tex	33	14	2	4
Rochester, N. Y .*	97	65	13	6	Fort Worth, Tex	90	36	1	9
Schenectady, N. Y	36	27	-	1.1	Houston, Tex	198	79	6	18
Scranton, Pa	52	34	1	1	Little Rock, Ark	64	37	3	6
Syracuse, N. Y	62	33	1	1	New Orleans, La	163	80	5	9
Trenton, N. J	38	19	2	2	Oklahoma City, Okla*	77	39	1	7
Utica, N. Y	34	20	5	1	San Antonio, Tex	103	52	4	8
Yonkers, N. Y	28	18	4	1	Shreveport, La	50	24	9	4
EAST NORTH CENTRAL:	2605	1491	72	187	Tulsa, Okla	28	14	2	4
Akron, Ohio	85	54		7	MOUNTAIN:	387	210	12	33
Canton, Ohio	31	25	3	2	Albuquerque, N. Mex	42	22	ĩ	3
Chicago, Ill	715	384	23	50	Colorado Springs, Colo.	17	11	4	-
Cincinnati, Ohio	160	95	4	11	Denver, Colo	120	61	2	16
Cleveland, Ohio	214	117	2	11	Ogden, Utah	14	7		1
Columbus, Ohio	108	66	1	9	Phoenix, Ariz	98	58	3	8
Dayton, Ohio	83	46	-	4	Pueblo, Colo	20	9		2
Detroit, Mich Evansville, Ind	352	204	21	22	Salt Lake City, Utah	48	28	1	2
Flint, Mich	48 39	30 15	-	6	Tucson, Ariz	28	14	1	1
Fort Wayne, Ind	43	23	3	3	PACIFIC:	1568	937	41	102
Gary, Ind	57	36	1	3	Berkeley, Calif	22	16	11	
Grand Rapids, Mich	55	39	3	1	Fresno, Calif.*	47	26	1	4
Indianapolis, Ind	153	79		10	Glendale, Calif	32	23	-	1
Madison, Wis	36	20		1	Honolulu, Hawaii	45	19	•	9
Milwaukee, Wis	131	68	5	22	Long Beach, Calif	62	39	-	6
Peoria, Ill	34	21	-		Los Angeles, Calif	506	263	20	47
Rockford, Ill	32	15	ż	5	Oakland, Calif	91	69	2	5
South Bend, Ind Toledo, Ohio	55	38	4	1	Pasadena, Calif.*	33	25		1
Youngstown, Ohio	117 57	75	1 -	12	Portland, Oreg Sacramento, Calif	103 65	57 37	1	3
and a second sec		41		1	San Diego, Calif	103	57	2	1 9
WEST NORTH CENTRAL:	795	478	26	46	San Francisco, Calif	201	129	-	5
Des Moines, Iowa	71	43	2	7	San Jose, Calif	31	22	3	2
Duluth, Minn	23	18	-	1	Seattle, Wash	121	81	4	5
Kansas City, Kans	30	16	3	1	Spokane, Wash	60	40	-	2
Kansas City, Mo	109	62	2	5	Tacoma, Wash	46	34	5	2
Lincoln, Nebr	22	13	2	2			1	1	<u>t</u>
Minneapolis, Minn	112	72	1	10	Total	12031	6754	420	805
Omaha, Nebr	81	45	6	5					
St. Louis, Mo St. Paul, Minn	233	136	5	9		mulative T			
Wichita, Kans	74	45	3	3	including report	ea correct	ions for p	revious we	eks
Land and a second and a second	40	28	2	3	A11 Causes A11 Ages			260	0.2%
					All Causes, All Ages All Causes, Age 65 and 6				
					Pneumonia and Influenza				
*Estimate - based on ave	erage per	cent of div	visional to	stal.	All Causes, Under 1 Year				

THE MORBIDITY AND MORTALITY WEEKLY REPORT, WITH A CIRCULA-TION OF 13,000 (5 PUBLISHED BY THE COMMUNICABLE DISEASE CENTER, ATLANTA, GEORGIA 30333.

CHIEF, COMMUNICABLE DISEASE CENTER CHIEF, EPIDEMIOLOGY BRANCH CHIEF, STATISTICS SECTION ASSIST. CHIEF, STATISTICS SECTION CHIEF, SURVEILLANCE SECTION ASSISTANT EDITOR, MMWR

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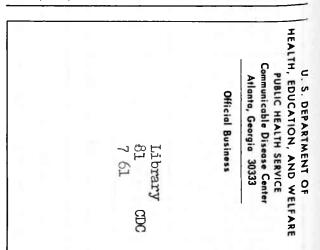
IN ADDITION TO THE ESTABLISHED PROCEDURES FOR REPORTING MORBIDITY AND MORTALITY, THE COMMUNICABLE DISEASE CENTER WELCOMES ACCOUNTS OF INTERESTING OUTBREAKS OR CASES, SUCH ACCOUNTS SHOULD BE ADDRESSED TO:

THE EDITOR MORBIDITY AND MORTALITY WEEKLY REPORT COMMUNICABLE DISEASE CENTER ATLANTA, GEORGIA 30333

NOTE: THESE PROVISIONAL DATA ARE BASED ON WEEKLY TELE-GRAMS TO THE COL BY THE INDIVIDUAL STATE MEALTH DEPART-MENTS. THE REPORTING WEEK CONCLUDES ON SATURDAY: COMPILED DATA ON A NATIONAL BASIS ARE RELEASED ON THE SUCCEEDING FRIDAY.

SYMBOLS .--- DATA NOT AVAILABLE - QUANTITY ZERO

THE CONSTRUCTION OF THE MORTALITY CURVES IS DESCRIBED IN VOL. 14, NO. 1,



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