

CENTER FOR DISEASE CONTROL

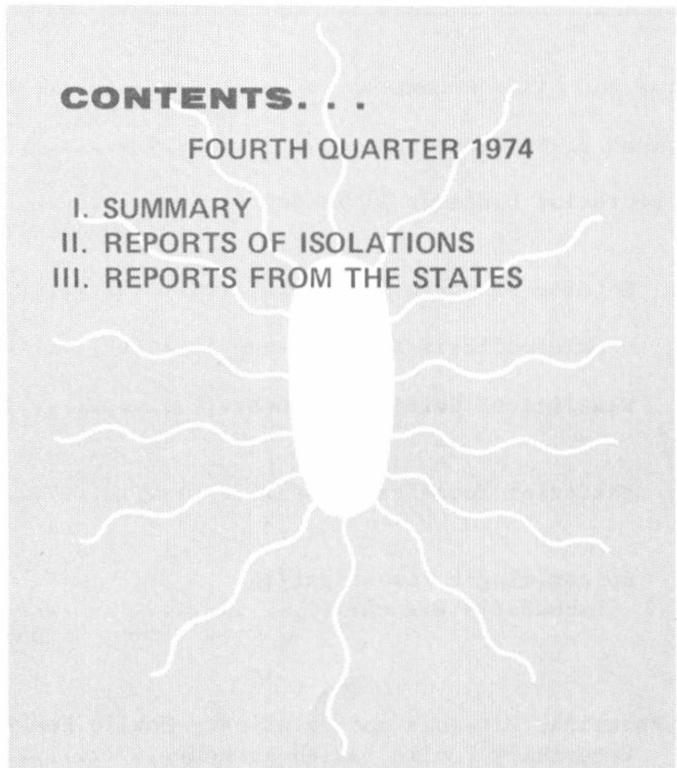
SALMONELLA

SURVEILLANCE

CONTENTS . . .

FOURTH QUARTER 1974

- I. SUMMARY
- II. REPORTS OF ISOLATIONS
- III. REPORTS FROM THE STATES



RECEIVED
SEP 10 1975
CDC LIBRARY
ATLANTA, GA. 30333

PREFACE

Summarized in this report is information received from state and city health departments, university and hospital laboratories, the U.S. Food and Drug Administration, and other pertinent sources, domestic and foreign. Much of the information is preliminary. It is intended primarily for the use of those with responsibility for disease control activities. Anyone desiring to quote this report should contact the original investigator for confirmation and interpretation.

Contributions to the Surveillance Report are most welcome. Please address:

Center for Disease Control
Attn: Salmonellosis Surveillance Activity
Bureau of Epidemiology
Atlanta, Georgia 30333

SUGGESTED CITATION

Center for Disease Control: *Salmonella Surveillance Fourth Quarter 1974*
issued August 1975

Center for Disease Control.....David J. Sencer, M.D., Director
Bureau of Epidemiology.....Philip S. Brachman, M.D., Director
Bacterial Diseases Division.....John V. Bennett, M.D., Director
Eugene J. Gangarosa, M.D., Deputy Director
Enteric Diseases Branch.....Michael H. Merson, M.D.*, Chief
Salmonellosis Surveillance Activity.....Robert W. Ryder, M.D.
Statistical Services Branch.....Stanley M. Martin, M.S.
Robert A. Pollard, Jr., M.A.
Bacterial Zoonoses Branch.....Arnold F. Kaufmann, D.V.M., Chief
Daniel C. Anderson, D.V.M.
Epidemiologic Investigations
Laboratory Branch.....George K. Morris, Ph.D., Chief
Donald C. Mackel, M.S., Deputy Chief
Joy Wells, B.S.
Parasitic Diseases and Veterinary Public Health Division
Veterinary Public Health Branch.....Richard L. Parker, D.V.M., Chief

*Through June 1975

TABLE OF CONTENTS

	Page
I. SUMMARY	1
II. REPORTS OF ISOLATIONS	1
III. REPORTS FROM THE STATES	2
A. Reports of Salmonella Out- breaks Received in the Fourth Quarter, 1974	2

NOTE

The data contained in the tables and summarized in sections I and II deal only with isolates reported to CDC by state and other reference laboratories. Extrapolation from these data to aspects of the total incidence of salmonellosis in the United States should be made only with caution, and references to the data should be appropriately qualified.

I. SUMMARY

For the fourth quarter of 1974, 6,054 isolations of salmonella were reported from humans, an average of 466 isolations per week (Tables I and II). This number represents a decrease of 85 (15.4%) from the average per week for the third quarter 1974 and a decrease of 125 (21.2%) from the average per week of fourth quarter 1973 (Table II). Total reported human isolations for each month during the quarter are shown below for the last 3 years.

	<u>1972</u>	<u>1973</u>	<u>1974</u>
October	607	710	511
November	534	546	492
December	437	488	383
	—	—	—
Quarter Average	527	591	466

The reason or reasons for the decline in reported isolates are unknown; the trend will be followed carefully.

II. REPORTS OF ISOLATIONS

The 10 most frequently reported serotypes during the fourth quarter:

HUMAN				NONHUMAN		
Serotype	Number	Percent	Rank Last Quarter	Serotype	Number	Percent
<u>typhimurium*</u>	1,837	30.3	1	<u>typhimurium*</u>	55	20.3
<u>newport</u>	428	7.1	2	<u>anatum</u>	11	4.1
<u>enteritidis</u>	322	5.3	3	<u>derby</u>	11	4.1
<u>agona</u>	308	5.1	6	<u>infantis</u>	11	4.1
<u>infantis</u>	273	4.5	4	<u>montevideo</u>	9	3.3
<u>heidelberg</u>	263	4.3	5	<u>oranienburg</u>	9	3.3
<u>saint-paul</u>	235	3.9	7	<u>saint-paul</u>	9	3.3
<u>oranieburg</u>	225	3.7	13	<u>agona</u>	8	3.0
<u>derby</u>	183	3.0	10	<u>albany</u>	7	2.6
<u>typhi</u>	161	2.7	9	<u>newport</u>	6	2.2
Total	<u>4,191</u>	<u>69.2</u>		Total	<u>136</u>	<u>50.2</u>
TOTAL (all serotypes)	6,054			TOTAL (all serotypes)	271	

*Includes var. copenhagen

*Includes var. copenhagen

The increase in number of reported S. oranienburg isolates is explained by a large common-source outbreak in Connecticut (see following table).

III. REPORTS FROM THE STATES

A. Reports of Salmonella Outbreaks Received in the Fourth Quarter, 1974

This table lists investigated outbreaks of salmonellosis reported to CDC from various sources. Definitions of cases and of numbers at risk are not uniform from report to report. This listing should not be considered comprehensive or representative, as most outbreaks are probably not reported to CDC.

<u>State</u>	<u>Month</u>	<u>Location</u>	<u>Serotype</u>	<u>Ill</u>	<u>Mode of Transmission</u>	<u>Comment</u>
Pennsylvania	August- September	Philadelphia	<u>S. bovis-morbificans</u>	~13	? continuing exposure	One death
Connecticut	August	New Britain	<u>S. wien</u>	3	Common exposure	? acquired in Europe
Wisconsin	August	Waushara Co.	<u>S. agona</u>	5	? dog food	Family outbreak
Arizona- New Mexico	September	Flagstaff- Gallup	<u>S. newport</u>	~3000	Potato salad	Large Indian reservation picnic
Oregon	September	IU*	<u>S. saint-paul</u>	7	IU	
Pennsylvania	September	Schukylil	<u>S. kottbus</u>	25	Turkey stuffing	Church picnic
New Jersey	October	Bergen Co.	<u>S. typhimurium</u>	192	Apple cider	Roadside stand
South Carolina	October	Chesterfield	<u>S. javiana</u>	1	Contaminated sewerage	Faulty sewage system
Washington	October	IU	<u>S. wien</u>	?2	IU	? acquired in Europe
Connecticut	November	Middleton	<u>S. oranienburg</u>	108	Meatball and spaghetti	Homemade food at church supper
Texas	November	IU	IU	~100	Turkey	Inadequately cooked
Wisconsin	November	Madison	<u>S. typhimurium</u>	2	? dog food	
Connecticut	November	New Haven	<u>S. typhi</u>	9	? common source	Travelers to Haiti
Vermont	December	Stowe	<u>S. enteritidis</u>	53	? hollandaise sauce	19/19+ foodhandlers in a lodge

*IU - Information unavailable

TABLES

TABLE I COMMON SALMONELLAE REPORTED FROM HUMAN SOURCES, FOURTH QUARTER, 1974

SEROTYPE	GEOGRAPHIC DIVISION AND REPORTING CENTER																															
	NEW ENGLAND					MIDDLE ATLANTIC					EAST NORTH CENTRAL					WEST NORTH CENTRAL					SOUTH ATLANTIC											
	ME	NH	VT	MAS	RI	CON	NYA	NYB	NYC	NJ	PA	OHI	IND	ILL	MIC	WIS	MIN	IOW	MO	ND	SD	NEB	KAN	DEL	MD	DC	VA	WVA	NC	SC	GA	FLA
<i>anatum</i>	1			3			2	1	2	3	2		4	2	2	1		2	1			4		3		1		1		7	1	
<i>bareilly</i>							3				1		2									2							1			
<i>blockley</i>				5			7	2		5	2	2	1	1		2		2	1			1	1	2	1			6	2	1		
<i>braenderup</i>				7			2			1			2													1						
<i>bredeney</i>				2			3	1	1	2	1		1	1		3								1		2				2		
<i>chester</i>				3		1	1						5		1															2		
<i>cholerae-suis v kun</i>						1													1													
<i>cubana</i>						1							2													1						
<i>derby</i>							5	2	2	5	8		35	10	1	1			4				1	2	7	1				5		
<i>enteritidis</i>	1		22	27	2	21	22	8	3	17	11	2	60	9	12	1	7	9		2			5		18	4		11		2		
<i>give</i>						1	2							1											1			1		1		
<i>heidelberg</i>	1			12	1	5	13	3	5	10	5	10	24	18	6		3	4				7		13	7		7	6	1	8		
<i>indiana</i>							2			1			1															1		2		
<i>infantis</i>				20		8	1	9	7	2	13	8	2	29	15	15	2	1	4	1			5		5	1	5	5	1	10	2	
<i>java</i>						2						1			1		1		2				1		5				1	1		
<i>javiana</i>										1	1					1							1		2				5	16	6	
<i>litchfield</i>							3			2	1	2	1	2	1		2	1					1		1		1		1	3		
<i>livingstone</i>						1				1							1															
<i>manhattan</i>				1	6				3	7	10	2	1	18	8				2						4	3		5	1	1		
<i>miami</i>									1		1															1				4		
<i>mississippi</i>																														1	8	
<i>montevideo</i>	1		1	3		1	1	1	5	5	3		9						3					4	4		1	1	1	1		
<i>muenchen</i>				2		2	6	1		1		1	3	3		1	3	4				3		1	1			3	4	3		
<i>newington</i>						1																										
<i>newport</i>				4		8	2	1	19	5	4	2	10	6	6	2	5	6	1	1			7	1	3	3	1	9	9	42	4	
<i>oranienburg</i>				1		95	2			1	1	1		2	4		1	4					6		1			2	23	2		
<i>panama</i>												1																1				
<i>paratyphi B</i>										2				3												1	1	1	1			
<i>reading</i>										1					1																1	
<i>saint-paul</i>				6		8	9	3	4	17	8	7	14	13	1	1	2	1					1	1	13	1	5	1	5	12	3	
<i>san-diego</i>				2		2			2	2			4																1			
<i>schwarzengrund</i>						3			2	1	3	2	2		1			1	1				1		1		1					
<i>senftenberg</i>				1						2			1	1		2										1						
<i>tennessee</i>							1						3	2												1						
<i>thompson</i>				2		7	3			4	4		7	3	9	1		3	1				2			3		2		2		
<i>typhi</i>				9		7	6	6	8	1	4	2	12	4			1	1							1		4	3	1	1	2	
<i>typhimurium</i>	9		4	54	5	61	2	39	31	207	80	36	22	116	98	80	31	13	32	3	15		26	8	38	4	40	5	34	10	51	5
<i>typhimurium v cop</i>	1			9		2				20				5			7						5					3	1			
<i>weltevreden</i>																																
<i>worthington</i>				1					1																							
TOTAL	14	-	28	179	8	238	10	142	78	289	193	106	50	367	207	140	52	44	85	8	20	-	79	14	120	7	87	13	103	32	204	36
ALL OTHER*	-	19	6	18	8	13	69	36	24	26	56	19	4	60	48	13	3	14	4	-	3	9	8	-	20	25	10	-	15	6	31	2
TOTAL	14	19	34	197	16	251	79	178	102	315	249	125	54	427	255	153	55	58	89	8	23	9	87	14	140	32	97	13	118	38	235	38

NOTE: NYA-New York, Albany; NYB-Beth Israel Hospital; NYC-New York City.
Beth Israel Hospital is a reference laboratory and this quarter serotype a total of 245 cultures.
*See Table II.

TABLE I COMMON SALMONELLAE REPORTED FROM HUMAN SOURCES, FOURTH QUARTER, 1974—Continued

GEOGRAPHIC DIVISION AND REPORTING CENTER																				TOTAL	% OF TOTAL	CUMU-LATIVE TOTAL	% OF CUMU-LATIVE TOTAL	SEROTYPE		
EAST S. CENTRAL				WEST S. CENTRAL				MOUNTAIN							PACIFIC											
KY	TEN	ALA	MIS	ARK	LA	OKL	TEX	MON	IDA	WYO	COL	NM	ARI	UTA	NEV	WAS	ORE	CAL	ALK	HAW						
1	3	1		1	4		15							2				19		6	95	1.6	329	1.4	<i>anatum</i>	
		1			3		1		1		1							2			18	0.3	83	0.3	<i>bareilly</i>	
		2					6				1							5			58	1.0	292	1.2	<i>blockley</i>	
1					1		3				4					2		2			26	0.4	85	0.4	<i>bradenisp</i>	
			2				3							2				10		3	40	0.7	179	0.8	<i>breedney</i>	
																	3				19	0.3	80	0.3	<i>chester</i>	
	1	1					1						1					1			2	0.0	20	0.1	<i>cholerae-suis v kun</i>	
	1	7			2		32						5			3		24		20	183	3.0	557	2.3	<i>cubana</i>	
1	3			3	1	4	1	3					1			4	3	19	3		322	5.3	1,426	6.0	<i>derby</i>	
																										<i>enteritidis</i>
					5		7				1							1		3	24	0.4	72	0.3	<i>give</i>	
	6	3	3		4	2	4		1				3	2		4	2	66		1	263	4.3	1,137	4.8	<i>heidelberg</i>	
					2																10	0.2	64	0.3	<i>indiana</i>	
4	9	3	1	1	10	2	14		1		1		3	1		3	2	38		9	273	4.5	1,281	5.4	<i>infantis</i>	
7		3	1		1			1			1		1					2			31	0.5	200	0.8	<i>java</i>	
	7	1	3	6	16	2	40							2	1		1	5			117	1.9	400	1.7	<i>javana</i>	
	1	3			3		1		1												31	0.5	103	0.4	<i>litchfield</i>	
		1			6		6	1			1					1	1	23		5	14	0.2	31	0.1	<i>livingstone</i>	
																					116	1.9	389	1.6	<i>manhattan</i>	
																					7	0.1	45	0.2	<i>miami</i>	
	5	1	1		9		4														29	0.5	128	0.5	<i>mississippi</i>	
					3		19	1			1										81	1.3	347	1.5	<i>montevideo</i>	
		3	2	1	3	2	3						1			1		2			60	1.0	293	1.2	<i>muenchen</i>	
					1		1						1								5	0.1	39	0.2	<i>newington</i>	
	7	10	15	21	40	6	74	1	1		10		33	2	1	5	1	34		6	428	7.1	1,633	6.8	<i>newport</i>	
2		4			9	4	26				2		12			4	1	15			225	3.7	507	2.1	<i>oranienburg</i>	
	1												4			1	1	7	1	30	48	0.8	263	1.1	<i>panama</i>	
																3		4			27	0.4	87	0.4	<i>paratyphi B</i>	
																1	1	1			7	0.1	64	0.3	<i>reading</i>	
4		4	1	1	12	1	32		1		3		3			1	15	18		3	235	3.9	922	3.9	<i>saint-paul</i>	
					1		1																			
					4	1	1														25	0.4	136	0.6	<i>san-diego</i>	
					1		6														26	0.4	76	0.3	<i>schwarzengrund</i>	
	2										1		2							1	19	0.3	97	0.4	<i>senftenberg</i>	
					1	3															19	0.3	67	0.3	<i>tennessee</i>	
		1	1	3	2		4	2					1	1		3		17		2	90	1.5	397	1.7	<i>thompson</i>	
6	4		3	7	8		4				1	5						49		1	161	2.7	579	2.4	<i>typhi</i>	
15	59	25	22	18	44	19	59	3	6		30		19	8	2	28	9	187	7	32	1,751	28.9	6,967	29.2	<i>typhimurium</i>	
				4	2		1	1	6		2		3				6				86	1.4	340	1.4	<i>typhimurium v cop</i>	
																					36	0.6	144	0.6	<i>weltevreden</i>	
																					4	0.1	36	0.2	<i>worthington</i>	
41	115	65	65	64	196	41	385	11	21		62	5	100	14	5	65	46	597	12	158	5,021	82.9	19,922	83.6	TOTAL	
1	15	10	5	8	43	5	58	16	4		2	91	14	3		15	4	130	20	22	1,033		3,918		ALL OTHER*	
42	130	75	70	72	239	46	443	27	25		64	96	114	17	5	80	50	727	32	180	6,054		23,840		TOTAL	

TABLE II OTHER SALMONELLAE REPORTED FROM HUMAN SOURCES, FOURTH QUARTER, 1974

SEROTYPE	REPORTING CENTER																								
	ALA	ALK	ARI	ARK	CAL	COL	CON	DC	FLA	GA	HAW	IDA	ILL	IND	IOW	KAN	KY	LA	MD	MAS	MIC	MIN	MIS	MO	MON
<i>adelaide</i>					3																				
<i>agona</i>	3		2	4	51	1	5			12	4		41		6	4		16	11	4	25	1		2	
<i>alachua</i>					1					1								1	2	1					
<i>albany</i>			1		1					1					2			1	1		3				
<i>amsterdam</i>																									
<i>bere</i>					2													1							
<i>berlin</i>					1																				
<i>berta</i>					1																				
<i>binza</i>					4		1			1									1	6	2				
<i>bovis-morbificans</i>					1																				
<i>brandenburg</i>					1																				
<i>brazzaville</i>																									
<i>butantan</i>													2												
<i>california</i>			1		1																				
<i>cambridge</i>					2																				
<i>canoga</i>			1																						
<i>carrau</i>																									
<i>cerro</i>				1						1								1		1					
<i>cholerae-suis</i>										1			1												
<i>corvallis</i>					1																				
<i>denver</i>																									
<i>drypool</i>																			1						
<i>dublin</i>			2		4														1						
<i>duesseldorf</i>																			1						
<i>eastbourne</i>										1									1						
<i>eimsbuettel</i>													2												
<i>gaminara</i>										1								1					1		
<i>habana</i>																		2	1				1		1
<i>hartford</i>	1																	6							
<i>heidelberg</i>																									
<i>ibadan</i>									1																
<i>inverness</i>																									
<i>johannesburg</i>					1																				
<i>kaapstad</i>					3														1						
<i>kentucky</i>					2															1				1	
<i>kottbus</i>				1																					
<i>kunduchi</i>																									
<i>lexington</i>																									
<i>lille</i>																									
<i>lindenburg</i>																									
<i>loma-linda</i>				1	1																				
<i>lomita</i>					9					1	1		4			2		5	2		2	1			
<i>london</i>	3																								
<i>manchester</i>					2																				
<i>meleagridis</i>																									
<i>minnesota</i>					1								1					2							1
<i>mission</i>													4												
<i>molade</i>													1												
<i>muenster</i>					1					1			3												
<i>new-brunswick</i>																					1				
<i>norwich</i>																									
<i>ohio</i>					6																				2
<i>orion</i>																		1	1	2	1				
<i>oslo</i>							1			10															
<i>paratyphi A</i>					4					1										1	1				
<i>pensacola</i>														1											
<i>pomona</i>				4	6																				
<i>poona</i>																						2			
<i>pullorum</i>																									
<i>remo</i>																1									
<i>richmond</i>																									
<i>rubislaw</i>	1			1						2								1		1					
<i>san-juan</i>																									
<i>saphra</i>																									
<i>shanghai</i>																							1		
<i>siegburg</i>				1	1	18																			
<i>simsbury</i>																									
<i>singapore</i>												1								1					
<i>sinstorf</i>																									
<i>stanley</i>					1												1								
<i>taksony</i>							1																		
<i>tallahassee</i>																									
<i>thomson</i>														1											
<i>uganda</i>																		1	1						
<i>urbana</i>																						1			
<i>virchow</i>							1				4														
<i>wandsworth</i>																									
<i>wayne</i>							3																		
<i>wien</i>																									
TOTAL	8	-	13	8	127	1	13	-	2	22	22	-	60	2	8	8	1	42	20	18	41	3	5	4	1
NOT TYPED	2	20	1	-	3	1	-	25	-	9	-	4	-	-	6	-	-	1	-	-	7	-	-	-	15
TOTAL	10	20	14	8	130	2	13	25	2	31	22	4	60	2	14	8	1	43	20	18	48	3	5	4	16

TABLE II OTHER SALMONELLAE REPORTED FROM HUMAN SOURCES, FOURTH QUARTER, 1974—Continued

REPORTING CENTER																			TOTAL	CUML TOTAL	SEROTYPE				
NEB	NH	NJ	NM	NYA	NYB	NYC	NC	OHI	OKL	ORE	PA	RI	SC	SD	TEN	TEX	UTA	VT				VA	WAS	WIS	
		1 12 1		1	21	5 2	12	5	2		2 18		2	1	10	7 1 1				8	5	7	6 308 8 9 30 2	12 1,037 34 30 5	<i>adelaide</i> <i>agona</i> <i>alachuua</i> <i>albany</i> <i>amsterdam</i>
								1			3				1								3 1 1 5 18	3 1 17 13 60	<i>berc</i> <i>berlin</i> <i>berta</i> <i>biuza</i> <i>bovis-morbificans</i>
		1			1																2		3 1 2 2 2	14 1 2 18 3	<i>brandenburg</i> <i>brazzaville</i> <i>butantan</i> <i>california</i> <i>cambridge</i>
						1		1			3 2		1										1 1 7 8 1	1 3 24 20 1	<i>catoga</i> <i>carrau</i> <i>ccrro</i> <i>cholerae-suis</i> <i>corvallis</i>
											1					2 2						1	2 4 1	4 17 42 24 110	<i>denver</i> <i>drypool</i> <i>dublin</i> <i>duesseldorf</i> <i>eastbourne</i>
		3			2			1								2 4 1							4 7 6 14	9 30 20 29	<i>eimsbuettel</i> <i>gaminara</i> <i>habana</i> <i>hartford</i> <i>heidelberg</i>
		1						1			3 1					3							4 1 6 1 7	22 5 34 4 33	<i>ibadan</i> <i>inverness</i> <i>johannesburg</i> <i>kaapstad</i> <i>kentucky</i>
	1	1			1			1			19												25 1 2 4 1 1	58 1 5 24 2 2	<i>kottbus</i> <i>kunduchi</i> <i>lexington</i> <i>duesseldorf</i> <i>lille</i> <i>lindenburg</i>
		3			1	1	1	2			1		1		2	2				1		1	2 1 44 3 3	4 1 227 4 19	<i>loma-linda</i> <i>lomita</i> <i>london</i> <i>manchester</i> <i>melagrdis</i>
					1		1				1			2		2					1		11 2 4 5 4	25 5 7 30 7	<i>minnesota</i> <i>mission</i> <i>molde</i> <i>munster</i> <i>new-brunswick</i>
		2			1			1								2 1					1	1	6 15 1 13 8	50 41 2 43 30	<i>norwich</i> <i>ohio</i> <i>orion</i> <i>oslo</i> <i>paratyphi A</i>
												1			1	2 5 1							2 2 19 1 1	10 5 82 2 2	<i>pensacola</i> <i>pomona</i> <i>poona</i> <i>pullorum</i> <i>remo</i>
					1			1							7	4							13 1 4 1	43 3 21 1	<i>richmond</i> <i>rubislaw</i> <i>san-juan</i> <i>saphra</i> <i>shanghai</i>
		1						1							1						1		24 1 2 1 3	77 6 6 1 23	<i>siegburg</i> <i>simsbury</i> <i>singapore</i> <i>sinstorf</i> <i>stanley</i>
								1															1 1 1 4 1	3 3 1 16 12	<i>taksony</i> <i>tallahassee</i> <i>thomson</i> <i>uganda</i> <i>urbana</i>
															1						1		5 1 1 5	11 1 1 5	<i>virchow</i> <i>wandswoth</i> <i>wayne</i> <i>wien</i>
-	1	26	-	1	33	10	15	19	4	1	56	-	6	3	15	52	-	-	9	15	10	705	2,693	TOTAL	
9	18	-	91	68	3	14	-	-	1	3	-	8	-	-	-	6	3	6	1	-	3	328	1,225	NOT TYPED	
9	19	26	91	69	36	24	15	19	5	4	56	8	6	3	15	58	3	6	10	15	13	1,033	3,918	TOTAL	

**STATE EPIDEMIOLOGISTS AND
STATE LABORATORY DIRECTORS**

The State Epidemiologists are the key to all disease surveillance activities. They are responsible for collecting, interpreting, and transmitting data and epidemiologic information from their individual States. Their contributions to this report are gratefully acknowledged. In addition, valuable contributions are made by State Laboratory Directors; we are indebted to them for their valuable support.

<i>STATE</i>	<i>STATE EPIDEMIOLOGIST</i>	<i>STATE LABORATORY DIRECTOR</i>
Alabama	Frederick S. Wolf, M.D.	Thomas S. Hosty, Ph.D.
Alaska	Donald K. Freedman, M.D.	Frank P. Pauls, Dr.P.H.
Arizona	John M. Counts, Dr.P.H., Acting	H. Gilbert Crecelius, Ph.D.
Arkansas	Andrew G. Dean, M.D., Acting	Robert T. Howell, Dr.P.H.
California	James Chin, M.D.	John M. Heslep, Ph.D.
Colorado	Thomas M. Vernon, Jr., M.D.	C.D. McGuire, Ph.D.
Connecticut	James C. Hart, M.D.	William W. Ullmann, Ph.D.
Delaware	Ernest S. Tierkel, V.M.D.	Mahadeo P. Verma, Ph.D.
District of Columbia	John R. Pate, M.D.	Alton Shields, Dr.P.H.
Florida	Chester L. Nayfield, M.D.	Nathan J. Schneider, Ph.D.
Georgia	John E. McCroan, Ph.D.	Earl E. Long, M.S.
Hawaii	Ned Wiebenga, M.D.	Albert I. Oda
Idaho	John A. Mather, M.D.	D. W. Brock, Dr.P.H.
Illinois	Byron J. Francis, M.D.	Richard Morrissey, M.P.H.
Indiana	Richard D. Telle, M.D.	Josephine Van Fleet, M.D.
Iowa	Charles A. Herron, M.D.	W. J. Hausler, Jr., Ph.D.
Kansas	Don E. Wilcox, M.D.	Nicholas D. Duffett, Ph.D.
Kentucky	Calixto Hernandez, M.D.	B. F. Brown, M.D.
Louisiana	Charles T. Caraway, D.V.M.	George H. Hauser, M.D.
Maine	Peter J. Leadley, M.D.	Charles Okey, Ph.D.
Maryland	Kathleen H. Acree, M.D.C.M.	Robert L. Cavenaugh, M.D.
Massachusetts	Nicholas J. Fiumara, M.D.	Morton A. Madoff, M.D.
Michigan	Norman S. Hayner, M.D.	Kenneth R. Wilcox, Jr., M.D.
Minnesota	Barry S. Levy, M.D., Acting	Henry Bauer, Ph.D.
Mississippi	Durward L. Blakey, M.D.	R. H. Andrews, M.S.
Missouri	H. Denny Donnell, Jr., M.D.	Elmer Spurrier, Dr.P.H.
Montana	Martin D. Skinner, M.D.	David B. Lackman, Ph.D.
Nebraska	Paul A. Stoesz, M.D.	Henry McConnell, Dr.P.H.
Nevada	William M. Edwards, M.D.	Paul Fugazzotto, Ph.D.
New Hampshire	Vladas Kaupas, M.D.	Robert A. Miliner, Dr.P.H.
New Jersey	Ronald Altman, M.D.	Martin Goldfield, M.D.
New Mexico	Jonathan M. Mann, M.D., Acting	Larry Gordon
New York State	Andrew C. Fleck, M.D.	Donald J. Dean, D.V.M.
New York City	John S. Marr, M.D.	Paul S. May, Ph.D.
North Carolina	Martin P. Hines, D.V.M.	Mrs. Mildred A. Kerbaugh
North Dakota	Kenneth Mosser	C. Patton Steele, B.S.
Ohio	Thomas Halpin, M.D.	Charles C. Croft, Sc.D.
Oklahoma	Arnold Start, M.D.	William R. Schmieding, Ph.D.
Oregon	John A. Googins, M.D.	Gatlin R. Brandon, M.P.H.
Pennsylvania	W. D. Schrack, Jr., M.D.	James E. Prier, Ph.D.
Puerto Rico	Rafael Colon, M.S.S.	
Rhode Island	Michael P. Hudgins, M.D., Acting	Raymond G. Lundgren, Ph.D.
South Carolina	William B. Gamble, M.D.	Arthur F. DiSalvo, M.D.
South Dakota	Robert S. Westaby, M.D.	B. E. Diamond, M.S.
Tennessee	Robert H. Hutcheson, Jr., M.D.	M. Sam Sudman, Dr.P.H.
Texas	M. S. Dickerson, M.D.	Charles Sweet, Dr.P.H.
Utah	Taira Fukushima, M.D.	Russell S. Fraser, M.S.
Vermont	John Long, D.D.S.	Dymitry Pomar, D.V.M.
Virginia	Robert S. Jackson, M.D.	Frank W. Lambert, Ph.D.
Washington	Thieu Nghiem, M.D.	Jack Allard, Ph.D.
West Virginia	William L. Cooke, M.D.	John W. Brough, Dr.P.H.
Wisconsin	H. Grant Skinner, M.S.	S. L. Inhorn, M.D.
Wyoming	Herman S. Parish, M.D.	Donald T. Lee, Dr.P.H.