

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1999

----- REGION=New England -----

Serotype	STATE								TOTAL
	Connecticut	Maine	Massachusetts	New Hampshire	Rhode Island	Vermont			
AARIUS	.	.	.	1	1	.	.	.	2
ABAEETUBA	.	.	1	.	.	.	.	.	1
ABERDEEN	.	1	.	.	.	.	.	.	1
ABONY	.	.	1	.	.	.	.	.	1
ADELAIDE	.	.	2	.	.	.	.	.	2
AEQUATORIA	.	.	.	1	.	.	.	.	1
AGONA	9	.	30	3	3	5	.	.	50
ALACHUA	.	.	3	.	.	.	.	.	3
AMSTERDAM	.	.	.	1	.	.	.	.	1
ANATUM	2	.	6	.	2	.	.	.	10
APAPA	.	.	1	.	.	.	.	.	1
ARECHAVALETA	1	.	1	.	.	.	.	.	2
BAREILLY	.	.	4	1	1	.	.	.	6
BERTA	1	.	5	2	.	.	.	.	8
BLOCKLEY	.	1	.	.	.	.	.	.	1
BONARIENSIS	1	.	.	.	.	.	.	.	1
BRAENDERUP	8	.	14	.	1	.	.	.	23
BRANDENBURG	.	.	8	8
BREDENEY	.	.	.	1	1
BUZU	.	.	1	1

(Continued)

TABLE 4
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----- REGION=New England -----

Serotype	STATE								TOTAL
	Connecticut	Maine	Massachusetts	New Hampshire	Rhode Island	Vermont			
CARRAU	.	.	1	.	.	.	.	.	1
CERRO	.	.	1	.	.	.	.	.	1
CHAMELEON	.	.	1	.	.	.	.	.	1
CHINCOL	2	2
CHOLERAESUIS	.	.	5	.	.	.	.	.	5
CUBANA	.	.	3	.	1	.	.	.	4
CURACAO	.	.	1	.	.	.	.	.	1
DERBY	.	2	3	.	.	.	.	.	5
DUBLIN	.	.	2	.	.	.	.	.	2
DUESSELDORF	.	1	1	.	.	.	.	.	2
EDINBURG	.	1	.	.	.	.	.	.	1
EMEK	.	.	1	.	.	.	.	.	1
ENTERITIDIS	108	8	281	29	19	9			454
FARMSEN	.	.	.	1	.	.	.	.	1
GAMINARA	.	.	1	1
GIVE	2	1	3
GLOSTRUP	.	.	1	1
GROUP 51	.	.	1	1
GROUP 61	.	.	1	1
GROUP A	1	1

(Continued)

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REGION=New England

Serotype	STATE										TOTAL
	Connecticut	Maine	Massachusetts	New Hampshire	Rhode Island	Vermont					
GROUP B	1	3	15	.	1	1					21
GROUP C1	.	.	.	.	1	3					4
GROUP C2	.	.	1	.	1	.					2
GROUP E1	.	.	.	.	.	1					1
GROUP E4	.	.	.	.	1	.					1
GROUP G	.	.	2	.	.	.					2
GROUP I	.	.	.	.	.	1					1
GROUP W	.	.	.	.	1	.					1
GROUP X	.	.	1	.	.	.					1
GROUP Y	.	.	.	.	3	.					3
GROUP Z	.	.	1	.	.	.					1
HADAR	9	2	19	.	8	3					41
HARTFORD	3	.	6	.	2	.					11
HAVANA	.	.	1	.	.	.					1
HEIDELBERG	33	9	69	8	5	3					127
HVITTINGFOSS	.	.	2	.	1	.					3
IBADAN	.	.	1	.	.	.					1
IIIB 61:K:1,5,7	.	.	2	.	.	.					2
INFANTIS	16	1	14	1	3	1					36
IV 44:Z4,Z23:-	.	.	1	.	.	.					1

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1999

----- REGION=New England -----

Serotype	STATE								TOTAL
	Connecticut	Maine	Massachusetts	New Hampshire	Rhode Island	Vermont			
JANGWANI	.	.	2	.	.	.	.	.	2
JAVA	4	.	1	1	2	1			9
JAVIANA	14	1	27	2	6	.			50
JOHANNESBURG	.	.	.	1	.	.	.	.	1
KENTUCKY	.	.	2	.	3	.	.	.	5
KIAMBU	1	.	4	.	.	.	.	.	5
KINTAMBO	.	.	1	.	.	.	.	.	1
LILLE	.	.	1	.	.	.	.	.	1
LITCHFIELD	4	.	6	2	1	.	.	.	13
LOMALINDA	.	.	2	.	.	.	.	.	2
LONDON	1	.	4	.	.	.	.	.	5
MADELIA	.	.	.	1	.	.	.	.	1
MANHATTAN	1	.	4	.	.	.	.	.	5
MARINA	.	.	10	1	2	.	.	.	13
MBANDAKA	.	.	5	.	1	.	.	.	6
MELEAGRIDIS	.	1	1	.	1	.	.	.	3
MIAMI	14	.	3	1	.	.	1	.	19
MISSISSIPPI	1	.	4	.	.	.	.	2	7
MONTEVIDEO	8	1	34	5	8	.	.	.	56
MUENCHEN	9	2	30	5	3	.	.	.	49

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1999

----- REGION=New England -----

Serotype	STATE										TOTAL
	Connecticut	Maine	Massachusetts	New Hampshire	Rhode Island	Vermont					
MUENSTER	2	.	4	3	1	.					10
NEWPORT	26	9	48	5	9	4					101
OHIO	3	.	6	.	.	.					9
ORANIENBURG	12	.	23	3	7	4					49
ORIENTALIS	.	.	1	1	.	.					2
OSLO	2	.	1	.	.	.					3
OVERSCHIE	.	.	1	.	.	.					1
PANAMA	1	.	.	.	.	.					1
PARATYPHI A	2	.	4	.	.	.					6
PARATYPHI B	2	.	3	1	.	.					6
PARERA	.	.	1	.	.	.					1
POMONA	.	.	3	.	.	.					3
POONA	2	3	8	.	1	.					14
POTSDAM	.	.	1	.	.	.					1
READING	4	.	8	.	2	.					14
RICHMOND	.	.	1	.	.	.					1
RUBISLAW	1					1
SAINTPAUL	2	1	19	.	.	2					24
SANDIEGO	2	.	2	.	.	.					4
SCHWARZENGRUND	2	2	6	.	2	.					12

(Continued)

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 BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1999

----- REGION=New England -----

Serotype	STATE								TOTAL
	Connecticut	Maine	Massachusetts	New Hampshire	Rhode Island	Vermont			
SENFTENBERG	.	.	3	.	2	.	.	5	
STANLEY	.	1	8	1	1	.	.	11	
SUBSPECIES I	2	.	.	.	.	.	.	2
SUBSPECIES III	1	.	.	.	.	.	.	1
SUBSPECIES IV	4	.	.	1	.	.	.	5	
TALLAHASSEE	.	.	.	.	1	.	.	1
THOMASVILLE	.	.	1	.	.	.	.	1
THOMPSON	15	2	26	4	3	.	.	50	
TYPHI	7	.	17	.	4	.	1	29	
TYPHIMURIUM	160	51	230	37	52	.	36	566	
TYPHIMURIUM VAR COPE	.	.	143	10	.	.	.	153	
UGANDA	1	.	.	.	.	.	.	1
UNKNOWN	22	.	.	1	2	.	.	25	
URBANA	3	.	.	1	.	.	.	4	
VIRCHOW	1	.	3	4	
VIRGINIA	.	.	.	1	.	.	.	1	
WELTEVREDEN	.	.	1	1	
TOTAL	529	104	1229	137	169	.	82	2250	

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----- REGION=Mid Atlantic -----

Serotype	STATE			TOTAL
	New Jersey	New York	Pennsylvania	
AARHUS	.	2	.	2
ADELAIDE	2	22	3	27
AGONA	17	59	23	99
AGOUEVE	.	1	1	2
ALACHUA	.	4	.	4
ALBANY	.	1	.	1
AMAGER	.	1	.	1
AMSTERDAM	.	4	.	4
ANATUM	4	10	5	19
BAILDON	.	1	.	1
BARDO	1	.	.	1
BAREILLY	2	12	5	19
BERN	2	.	.	2
BERTA	12	17	5	34
BLOCKLEY	1	7	1	9
BOVISMORBIFICANS	3	1	.	4
BRAENDERUP	17	40	20	77
BRANDENBURG	12	8	3	23
BREDENEY	2	10	.	12
CARNO	1	.	.	1

(Continued)

TABLE 4
 SALMONELLA ISOLATIONS FROM HUMAN SOURCES
 BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1999

----- REGION=Mid Atlantic -----

Serotype	STATE			TOTAL
	New Jersey	New York	Pennsylvania	
CARRAU	.	1	.	1
CERRO	.	.	2	2
CHAMELEON	.	1	.	1
CHESTER	3	1	.	4
CHOLERAESUIS	.	2	.	2
CONCORD	1	.	.	1
CUBANA	1	2	4	7
DERBY	2	14	.	16
DJELFA	.	1	.	1
DUBLIN	1	7	.	8
DUESSELDORF	.	2	.	2
DURBAN	.	3	.	3
EALING	.	1	.	1
EASTBOURNE	1	.	.	1
EBRIE	.	1	.	1
EDINBURG	.	4	.	4
EMEK	1	.	.	1
ENTERITIDIS	348	793	343	1484
ESSEN	.	2	.	2
FARMSEN	1	.	.	1

(Continued)

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SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1999

----- REGION=Mid Atlantic -----

Serotype	STATE			TOTAL
	New Jersey	New York	Pennsylvania	
FLINT	.	.	1	1
GAMINARA	1	2	.	3
GIVE	.	4	1	5
GROUP B	17	43	.	60
GROUP C1	3	17	.	20
GROUP C2	1	1	.	2
GROUP D1	.	5	.	5
GROUP O	.	1	.	1
GROUP Q	1	.	.	1
GROUP V	2	1	.	3
GROUP W	.	2	.	2
GROUP X	1	.	.	1
GROUP Z	1	.	.	1
HADAR	32	80	22	134
HARTFORD	1	10	4	15
HAVANA	1	5	.	6
HEIDELBERG	82	230	75	387
HOLCOMB	.	.	1	1
HVITTINGFOSS	.	1	1	2
I 4,5,12:I:-	.	1	.	1

(Continued)

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..... REGION=Mid Atlantic

Serotype	STATE			TOTAL
	New Jersey	New York	Pennsylvania	
IBADAN	2	.	.	2
INDIANA	.	1	.	1
INFANTIS	8	40	19	67
INVERNESS	.	2	1	3
IRENEA	.	1	.	1
IRUMU	.	1	1	2
ISTANBUL	1	9	.	10
IV 44:Z4,Z23:-	.	3	.	3
IV 45:G,Z51:-	1	.	.	1
JANGWANI	.	1	.	1
JAVA	11	9	16	36
JAVIANA	17	29	22	68
JOHANNESBURG	1	3	1	5
KENTUCKY	6	18	1	25
KIAMBU	1	.	1	2
KINTAMBO	.	1	.	1
KOKOMLEMLE	1	.	.	1
LICHTENBERG	.	1	.	1
LINDENBURG	.	1	.	1
LITCHFIELD	6	12	9	27

(Continued)

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----- REGION=Mid Atlantic -----

Serotype	STATE			TOTAL
	New Jersey	New York	Pennsylvania	
LIVINGSTONE	.	1	.	1
LOCKLEAZE	1	.	.	1
LOHBRUEGGE	.	.	1	1
LONDON	3	4	2	9
LUCIANA	.	1	.	1
MANHATTAN	1	3	3	7
MARINA	1	3	4	8
MBANDAKA	1	6	6	13
MELEAGRIDIS	.	.	1	1
MEMPHIS	.	1	.	1
MENDEN	.	1	.	1
MGULANI	2	.	.	2
MIAMI	2	3	3	8
MISSISSIPPI	1	5	5	11
MONTEVIDEO	23	78	28	129
MOUNDOU	.	.	1	1
MUENCHEN	13	37	22	72
MUENSTER	2	9	3	14
NEWPORT	41	95	67	203
NORWICH	.	2	3	5

(Continued)

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----- REGION=Mid Atlantic -----

Serotype	STATE			TOTAL
	New Jersey	New York	Pennsylvania	
OHIO	1	7	2	10
ONTARIO	.	1	.	1
ORANIENBURG	12	20	12	44
OSLO	2	3	.	5
OTHMARSCHEN	.	12	.	12
OVERSCHIE	.	.	1	1
PANAMA	7	14	2	23
PARATYPHI A	5	9	1	15
PARATYPHI B	4	13	3	20
PHARR	.	1	.	1
POMONA	4	6	1	11
POONA	6	16	13	35
PORTSMOUTH	.	.	1	1
POTSDAM	.	.	1	1
READING	5	15	5	25
REMO	.	1	.	1
RICHMOND	.	.	1	1
RISSEN	1	1	.	2
RUBISLAW	.	1	.	1
SAINTPAUL	25	44	15	84

(Continued)

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----- REGION=Mid Atlantic -----

Serotype	STATE			TOTAL
	New Jersey	New York	Pennsylvania	
SANDIEGO	10	17	6	33
SCHWARZENGRUND	5	11	4	20
SENFTENBERG	3	5	8	16
SHUBRA	.	1	.	1
STACHUS	.	1	.	1
STANLEY	5	16	13	34
STANLEYVILLE	3	5	.	8
SUBSPECIES I	15	1	.	16
SUBSPECIES III	1	.	.	1
SUBSPECIES IIIA	.	1	.	1
SUELLDORF	.	.	1	1
TALLAHASSEE	.	1	.	1
TAMBACOUNDA	.	1	.	1
TELELKEBIR	1	.	.	1
TENNESSEE	.	3	1	4
THOMPSON	15	49	11	75
TUCSON	.	1	.	1
TYPHI	24	63	3	90
TYPHIMURIUM	112	669	415	1196

(Continued)

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----- REGION=Mid Atlantic -----

Serotype	STATE			TOTAL
	New Jersey	New York	Pennsylvania	
TYPHIMURIUM VAR COPE	116	.	.	116
UGANDA	4	5	2	11
UNKNOWN	.	31	2	33
URBANA	.	5	2	7
VIRCHOW	4	6	.	10
VIRGINIA	.	3	.	3
WANDSWORTH	.	4	.	4
WASHINGTON	.	.	1	1
WASSENAAR	1	1	.	2
WAYCROSS	.	1	.	1
WELTEVREDEN	2	3	.	5
WESLACO	1	.	.	1
WESTERSTEDE	.	1	.	1
WIL	.	.	1	1
WINNEBA	.	1	.	1
WORTHINGTON	1	1	3	5
TOTAL	1119	2890	1271	5280

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1999

----- REGION=East North Central -----

Serotype	STATE						TOTAL
	Illinois	Indiana	Michigan	Ohio	Wisconsin		
ABAETETUBA	.	.	.	1	.	.	1
ADELAIDE	3	.	2	17	.	.	22
AGBENI	.	.	1	.	.	.	1
AGONA	54	3	14	11	15	.	97
ALACHUA	.	.	2	.	.	.	2
ALBANY	3	.	.	1	.	.	4
AMSTERDAM	1	.	.	.	.	.	1
ANATUM	7	4	3	6	6	.	26
BAILDON	3	.	.	.	.	.	3
BARDO	.	.	.	.	.	.	1
BAREILLY	6	1	3	1	1	.	12
BENFICA	.	.	.	.	1	.	1
BERTA	6	3	7	2	1	.	19
BLOCKLEY	4	1	7	3	2	.	17
BONARIENSIS	1	.	.	.	.	.	1
BOVISMORBIFICANS	5	2	3	2	.	.	12
BRAENDERUP	29	6	10	15	5	.	65
BRANDENBURG	4	1	6	5	1	.	17
BREDENEY	.	.	1	1	2	.	4
CALABAR	1	.	1

(continued)

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----- REGION=East North Central -----

Serotype	STATE						TOTAL
	Illinois	Indiana	Michigan	Ohio	Wisconsin		
CARRAU	.	.	.	1	.	.	1
CERRO	.	.	1	2	8	.	11
CHAILEY	.	.	.	.	1	.	1
CHAMELEON	1	.	.	.	.	.	1
CHESTER	3	.	4	2	.	.	9
CHOLERAESUIS	8	.	1	1	1	.	11
CUBANA	.	1	.	.	.	.	1
DERBY	14	3	9	4	1	.	31
DUBLIN	.	2	1	2	.	.	5
EALING	1	.	1	.	.	.	2
EASTBOURNE	1	.	.	1	.	.	2
EIMSBUETTEL	.	1	.	.	.	.	1
ELOMRANE	.	.	.	1	.	.	1
EMEK	2	.	.	.	.	.	2
ENTEBBE	.	1	.	.	.	.	1
ENTERITIDIS	271	64	188	195	142	.	860
ERLANGEN	.	.	.	1	.	.	1
FARMSEN	.	.	.	1	.	.	1
FLINT	3	3
GAMINARA	1	.	1	.	.	.	2

(continued)

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SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1999

----- REGION=East North Central -----

Serotype	STATE						TOTAL
	Illinois	Indiana	Michigan	Ohio	Wisconsin		
GIVE	4	2	.	2	6		14
GLOSTRUP	2	.	.	1	1		4
GOLDCOAST	.	.	.	1	.		1
GROUP 61	1	.	.	.	1		2
GROUP 63	.	.	.	1	.		1
GROUP B	19	8	.	6	11		44
GROUP C1	3	4	.	1	.		8
GROUP D1	2	.	.	.	2		4
GROUP E1	.	.	.	.	1		1
GROUP G	2	.	.	.	.		2
GROUP H	.	.	.	.	1		1
GROUP J	.	.	.	.	1		1
GROUP V	1	.	.	.	.		1
GROUP X	.	.	.	2	.		2
GROUP Y	1	1	.	4	.		6
GROUP Z	.	.	.	1	1		2
GRUMPENSIS	.	.	1	.	.		1
HAARDT	.	1	2	.	.		3
HADAR	16	4	7	13	3		43
HAGENBECK	.	.	.	1	.		1

(continued)

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----- REGION=East North Central -----

Serotype	STATE						TOTAL
	Illinois	Indiana	Michigan	Ohio	Wisconsin		
HAIFA	.	.	1	.	.	.	1
HARTFORD	14	7	11	10	6		48
HAVANA	1	1	.	.	.	.	2
HEIDELBERG	106	48	63	74	19		310
HOUTEN	.	.	.	.	6		6
HVITTINGFOSS	1	.	1	4	1		7
I 4,5,12:I:-	36	.	.	.	.		36
IBADAN	.	2	.	.	.		2
IIIB 48:I:Z	.	.	.	1	.		1
IIIB 61:1,V:1,5,7	.	1	.	.	.		1
IIIB 61:K:1,5,7	1	.	.	.	.		1
INDIANA	1	.	.	.	.		1
INFANTIS	56	9	37	22	9		133
INVERNESS	1	.	.	.	.		1
IPSWICH	1	.	.	.	.		1
IRUMU	.	.	1	.	.		1
ISANGI	1		1
IV 44:Z4,Z23:-	.	1	.	2	.		3
JANGWANI	.	.	.	1	.		1
JAVA	36	22	19	26	5		108

(continued)

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SALMONELLA ISOLATIONS FROM HUMAN SOURCES
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----- REGION=East North Central -----

Serotype	STATE						TOTAL
	Illinois	Indiana	Michigan	Ohio	Wisconsin		
JAVIANA	29	7	15	13	1		65
JOHANNESBURG	4	1	.	1	.		6
KENTUCKY	3	.	2	3	2		10
KIAMBU	4	1	1	1	2		9
KINSHASA	1	.	.	.	.		1
KINTAMBO	.	.	2	.	.		2
KIVU	2	.	.	.	.		2
KOTTBUS	.	.	.	1	.		1
KRALENDYK	.	1	.	1	.		2
KUA	.	.	.	1	.		1
LANDWASSER	.	.	.	.	1		1
LANKA	.	1	.	.	.		1
LITCHFIELD	11	1	3	4	1		20
LIVERPOOL	2	.	.	.	.		2
LONDON	4	.	.	1	1		6
MADELIA	.	.	.	2	.		2
MANHATTAN	10	.	2	2	.		14
MARINA	1	2	1	3	1		8
MBANDAKA	8	5	3	4	4		24
MIAMI	3	2	.	.	.		5

(continued)

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----- REGION=East North Central -----

Serotype	STATE						TOTAL
	Illinois	Indiana	Michigan	Ohio	Wisconsin		
MINNESOTA	.	.	.	.	1		1
MISSISSIPPI	3	.	1	1	.		5
MONSCHAUI	.	.	2	1	.		3
MONTEVIDEO	64	13	23	25	15		140
MUENCHEN	38	16	52	16	73		195
MUENSTER	1	2	3	2	.		8
NEWRUNSWICK	1	1	1	.	.		3
NEWINGTON	3	.	.	.	.		3
NEWPORT	57	38	39	65	14		213
NEWYORK	.	.	.	1	.		1
NORWICH	1	1	1	.	2		5
OAKLAND	.	.	.	.	1		1
OHIO	3	1	2	3	.		9
OLDENBURG	.	.	.	.	1		1
ORANIENBURG	25	2	23	27	18		95
OSLO	5	.	.	.	2		7
PAKISTAN	.	.	1	.	.		1
PANAMA	4	1	5	3	4		17
PARATYPHI A	2	.	2	.	.		4
PARATYPHI B	1	.	13	22	.		36

(Continued)

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----- REGION=East North Central -----

Serotype	STATE						TOTAL
	Illinois	Indiana	Michigan	Ohio	Wisconsin		
PARERA	.	.	1	.	.	.	1
POONA	21	3	5	5	11		45
POTSDAM	1	.	.	.	.	.	1
RAUS	.	.	.	3	.	.	3
READING	2	1	3	2	.	.	8
ROMANBY	1	.	1	.	.	.	2
RUBISLAW	.	.	1	3	.	.	4
SAINTPAUL	21	9	15	16	1		62
SANDIEGO	4	3	4	1	1		13
SANJUAN	.	.	.	1	.	.	1
SCHWARZENGRUND	9	.	1	4	1		15
SENFTEMBERG	11	1	4	.	2		18
SHUBRA	.	.	.	1	.		1
STANLEY	13	2	6	15	2		38
STANLEYVILLE	1	.	.	.	.		1
SUBSPECIES I	.	2	.	.	.		2
SUBSPECIES III	.	.	.	1	.		1
TELELKEBIR	1	.	1	1	.		3
TENNESSEE	3	.	.	2	.		5
THOMPSON	29	4	35	15	10		93

(continued)

TABLE 4
 SALMONELLA ISOLATIONS FROM HUMAN SOURCES
 BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1999

----- REGION=East North Central -----

Serotype	STATE						TOTAL
	Illinois	Indiana	Michigan	Ohio	Wisconsin		
TYPHI	19	5	10	7	.		41
TYPHIMURIUM	371	90	236	348	141		1186
TYPHIMURIUM VAR COPE	1	40	.	.	.		41
UGANDA	5	1	1	.	.		7
UNKNOWN	10	14	32	9	6		71
URBANA	8	1	2	1	.		12
VIRCHOW	7	.	2	1	.		10
WANDSWORTH	.	.	.	1	.		1
WASSENAAR	.	2	3	1	.		6
WELTEVREDEN	2	1	.	1	.		4
WORTHINGTON	1	.	.	2	.		3
TOTAL	1568	479	968	1093	582		4690

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1999

----- REGION=West North Central -----

Serotype	STATE										TOTAL	
	Iowa	Kansas	Minnesota	Missouri	Nebraska	North Dakota	South Dakota					
ADELAIDE	.	2	.	2	.	.	.	.	.	.	.	4
AGONA	6	.	13	17	.	.	.	.	.	.	.	36
ALACHUA	.	.	1	.	.	.	.	.	.	.	.	1
ALBANY	.	.	.	1	.	.	.	.	.	.	.	1
AMAGER	.	.	1	.	.	.	.	.	.	.	.	1
ANATUM	1	1	2	2	.	2	.	.	.	.	.	8
ANECHO	1	.	.	.	.	.	.	.	.	.	.	1
APAPA	.	1	.	.	.	.	.	.	.	.	.	1
AZTECA	.	.	.	.	.	.	.	.	.	.	1	1
BARDO	.	1	1	.	.	.	.	.	.	.	.	2
BAREILLY	1	.	2	19	.	.	.	.	.	.	.	22
BERTA	.	.	.	5	.	.	.	.	.	.	.	5
BLEGDAM	.	.	.	.	.	.	.	1	.	.	.	1
BLOCKLEY	1	.	3	.	.	.	.	.	.	.	.	4
BOVISMORBIFICANS	.	.	1	1	.	.	.	.	.	.	1	3
BRAENDERUP	6	6	20	11	.	1	.	1	.	.	3	47
BRANDENBURG	2	.	5	6	.	.	.	.	.	.	.	13
BRENENEY	.	.	1	.	.	.	.	.	.	.	1	2
CARRAU	.	.	2	1	.	.	.	1	.	.	.	4
CERRO	.	.	2	4	.	.	.	.	.	.	.	6

(Continued)

TABLE 4
 SALMONELLA ISOLATIONS FROM HUMAN SOURCES
 BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1999

----- REGION=West North Central -----

Serotype	STATE										TOTAL
	Iowa	Kansas	Minnesota	Missouri	Nebraska	North Dakota	South Dakota				
CHOLERAESUIS	.	.	2	1	.	.	.	.	.	.	3
CHOLERAESUIS VAR KUN	2	.	.	.	.	.	.	.	.	.	2
COLINDALE	.	.	.	1	.	.	.	.	.	.	1
CONCORD	.	.	1	.	.	.	.	.	.	.	1
CUBANA	.	.	1	2	.	.	.	.	.	.	3
DERBY	1	2	2	1	.	.	.	.	.	1	7
EMEK	.	.	2	.	.	.	.	.	.	.	2
ENTERITIDIS	36	19	72	85	.	7	12				231
FLORIDA	.	.	.	1	.	.	.	.	.	.	1
GABON	.	.	.	.	.	.	1				1
GAMINARA	.	2	1	.	.	.	.	.	.	.	3
GIVE	.	.	4	4	.	1	.	.	.	.	9
GROUP 61	.	.	.	1	.	.	.	.	.	.	1
GROUP A	.	.	.	.	1	.	.	.	.	.	1
GROUP B	14	8	4	41	61	.	.	.	.	.	128
GROUP C1	.	.	.	.	57	.	.	.	.	.	57
GROUP C2	.	1	1	.	23	.	.	.	.	.	25
GROUP D1	2	1	.	1	18	.	.	.	.	.	22
GROUP E1	.	.	.	.	7	.	.	.	.	.	7

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1999

----- REGION=West North Central -----

Serotype	STATE										TOTAL	
	Iowa	Kansas	Minnesota	Missouri	Nebraska	North Dakota	South Dakota					
GROUP E4	1	.	.	.	.	.	.	.	.	.	.	1
GROUP G	.	.	.	.	1	.	.	.	.	.	.	1
GROUP I	.	1	.	2	.	.	.	.	.	.	.	3
GROUP Z	.	.	.	2	.	.	.	.	.	.	.	2
HADAR	4	2	6	8	.	1	.	.	.	.	.	22
HAMBURG	1	.	.	.	.	.	.	.	.	.	.	1
HARTFORD	3	1	5	7	.	.	.	.	.	.	.	16
HAVANA	.	.	.	2	.	.	.	.	.	.	.	2
HEIDELBERG	8	13	95	37	.	12	8	.	.	.	.	173
HOUTEN	.	.	1	.	.	.	.	.	.	.	.	1
HVITTINGFOSS	1	.	1	.	.	.	1	.	.	.	.	3
I 4,5,12:I:-	.	.	.	2	.	.	.	.	.	.	.	2
INDIANA	.	.	.	1	.	.	.	.	.	.	.	1
INFANTIS	5	4	22	11	.	2	.	.	.	.	.	44
INVERNESS	.	.	1	.	.	.	.	.	.	.	.	1
ISTANBUL	.	.	1	.	.	.	.	.	.	.	.	1
IV 44:Z4,Z23:-	.	.	.	3	.	.	.	.	.	.	.	3
JAJA	.	.	1	.	.	.	.	.	.	.	.	1
JAVA	4	8	16	18	.	.	.	.	.	.	.	46
JAVIANA	4	9	7	36	.	.	.	.	.	.	.	56

(Continued)

TABLE 4
 SALMONELLA ISOLATIONS FROM HUMAN SOURCES
 BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1999

----- REGION=West North Central -----

Serotype	STATE										TOTAL	
	Iowa	Kansas	Minnesota	Missouri	Nebraska	North Dakota	South Dakota					
JOHANNESBURG	1	.	.	1	.	.	.	.	.	.	.	2
KENTUCKY	2	1	.	4	.	.	.	.	.	.	.	7
KIambu	.	1	1	2	.	.	.	.	.	.	.	4
LITCHFIELD	.	1	2	3	.	.	.	.	.	.	3	9
LONDON	.	.	8	1	.	.	.	.	.	.	.	9
MADELIA	.	.	2	.	.	.	.	.	.	.	.	2
MANHATTAN	.	1	4	5	.	.	.	.	.	.	.	10
MARINA	.	.	.	2	.	.	.	.	.	.	.	2
MBANDAKA	.	.	3	7	.	.	.	.	.	.	.	10
MELEAGRIDIS	.	.	1	1	.	.	.	.	.	.	.	2
MIAMI	.	.	1	1	.	.	.	.	.	.	.	2
MINNESOTA	.	.	.	1	.	.	.	.	.	.	.	1
MISSISSIPPI	.	.	1	3	.	.	.	.	.	.	.	4
MONTEVIDEO	12	3	31	21	.	.	.	.	.	.	5	72
MUENCHEN	6	6	25	31	.	.	.	.	.	4	5	77
MUENSTER	1	.	5	2	.	.	.	.	.	.	1	9
NAPOLI	1	.	.	.	.	.	.	.	.	.	.	1
NEWPORT	15	33	27	67	.	.	.	.	.	5	9	156
NITRA	1	.	.	.	.	.	.	.	.	.	.	1
NORWICH	.	5	.	14	.	.	.	.	.	.	.	19

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1999

----- REGION=West North Central -----

Serotype	STATE										TOTAL
	Iowa	Kansas	Minnesota	Missouri	Nebraska	North Dakota	South Dakota				
OHIO	.	.	1	3	.	.	2				6
ORANIENBURG	3	5	9	10	.	.	2				29
OSLO	2	.	.	2	.	.	.				4
PANAMA	.	1	5	3	.	1	.				10
PARATYPHI A	1	1	2	1	.	.	.				5
PARATYPHI B	.	.	.	.	.	3	2				5
POONA	1	2	1	6	.	.	.				10
PUTTEN	.	1	.	.	.	.	.				1
READING	2	1	3	2	.	.	.				8
RISSEN	.	.	1	.	.	.	.				1
ROODEPOORT	.	.	1	.	.	.	.				1
RUBISLAW	.	.	.	2	.	.	.				2
SAINTPAUL	3	1	7	13	.	.	4				28
SANDIEGO	.	.	1	3	.	1	1				6
SCHWARZENGRUND	.	.	6	.	.	1	.				7
SENFTEMBERG	3	.	4	2	.	2	.				11
SINGAPORE	.	.	.	2	.	.	.				2
SINSTORF	.	1	.	.	.	.	1				2
STANLEY	3	.	6	3	.	2	.				14
STANLEYVILLE	.	.	1	.	.	.	.				1

(Continued)

TABLE 4
 SALMONELLA ISOLATIONS FROM HUMAN SOURCES
 BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1999

----- REGION=West North Central -----

Serotype	STATE										TOTAL
	Iowa	Kansas	Minnesota	Missouri	Nebraska	North Dakota	South Dakota				
SUBSPECIES I	.	.	2	2	4
SUBSPECIES II	.	.	2	2
SUBSPECIES IIIA	.	.	3	3
SUBSPECIES IIIB	1	.	1	2
SUBSPECIES IV	.	.	1	1
TELELKEBIR	.	.	.	3	3
TENNESSEE	1	.	1	2	4
THOMASVILLE	.	.	.	1	1
THOMPSON	3	5	16	25	.	1	3	53			
TYPHI	.	1	4	1	.	2	.	8			
TYPHIMURIUM	43	60	209	281	.	12	48	653			
TYPHIMURIUM VAR COPE	19	12	.	1	.	.	2	34			
UCCLE	.	.	.	.	1	.	.	1		
UGANDA	.	.	.	2	.	.	.	2			
UNKNOWN	2	3	7	2	11	.	.	25			
URBANA	2	.	.	.	.	.	.	2		
VIRCHOW	.	.	3	4	.	.	.	7			
WELTEVREDEN	.	.	.	1	.	.	.	1			

(Continued)

TABLE 4
 SALMONELLA ISOLATIONS FROM HUMAN SOURCES
 BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1999

----- REGION=West North Central -----

Serotype	STATE									TOTAL
	Iowa	Kansas	Minnesota	Missouri	Nebraska	North Dakota	South Dakota			
WORTHINGTON	.	.	1	1	.	.	.	.	.	2
YOVOKOME	.	.	.	1	.	.	.	.	.	1
TOTAL	232	227	710	881	180	62	118			2410

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1999

----- REGION=South Atlantic -----

Serotype	STATE										TOTAL
	Delaware	Florida	Georgia	Maryland	North Carolina	South Carolina	Virginia	West Virginia			
AARHUS	.	.	1	.	.	.	.	.	.	.	1
ABAEETUBA	.	.	2	.	.	.	1	.	.	.	3
ADELAIDE	.	3	5	.	.	8	.	.	1	.	17
AFLAO	1	.	.	.	.	1
AFRICANA	.	.	.	6	.	.	.	.	.	.	6
AGONA	3	1	18	3	6	4	8	.	.	.	49
ALABAMA	.	.	1	.	.	.	.	.	.	.	1
ALACHUA	.	1	.	.	.	.	1	.	.	.	2
ALBANY	1	.	.	.	1
ANATUM	4	10	3	4	3	3	3	.	.	.	30
APEYEME	.	.	1	.	.	.	.	.	.	.	1
BAILDON	.	4	4	.	.	.	11	.	.	.	20
BARDO	.	.	2	.	.	.	.	.	.	.	2
BAREILLY	1	.	11	3	14	.	14	.	.	.	43
BERTA	.	2	7	6	5	5	6	4	.	.	35
BLOCKLEY	.	.	1	2	2	.	1	.	.	.	6
BOCHUM	.	.	.	1	.	.	.	.	.	.	1
BONARIENSIS	.	.	.	1	.	.	.	.	.	.	1
BOVISMORBIFICANS	.	.	3	.	.	6	1	.	.	.	10

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1999

..... REGION=South Atlantic

Serotype	STATE										TOTAL
	Delaware	Florida	Georgia	Maryland	North Carolina	South Carolina	Virginia	West Virginia			
BRAENDERUP	.	16	45	18	9	4	13	1			106
BRANDENBURG	.	.	12	3	12	6	3	.			36
BRENENEY	.	.	2	3	.	.	1	1			7
CARACAS	.	.	1	.	.	.	.	.			1
CARMEL	1	.			1
CARRAU	2	.	.	.			2
CERRO	1	1	1	.	2	.	2	.			7
CHESTER	1	.	3	.	1	.	.	1			6
CHOLERAESUIS	.	.	1	.	.	.	1	.			2
CHOLERAESUIS VAR KUN	.	.	4	.	.	1	.	.			5
COELIN	.	1	1	.	.	.	.	.			2
COLINDALE	.	.	.	1	.	.	.	.			1
COLORADO	2	.	.	.			2
COTHAM	2	.	.	.			2
CUBANA	.	2	4	2	.	.	1	.			9
DAYTONA	.	.	3	.	.	.	.	.			3
DEGANIA	.	.	1	.	.	.	.	.			1
DERBY	1	4	10	4	16	1	2	.			38
DUBLIN	.	3	.	2	.	.	.	.			5

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1999

----- REGION=South Atlantic -----

Serotype	STATE										TOTAL
	Delaware	Florida	Georgia	Maryland	North Carolina	South Carolina	Virginia	West Virginia			
DUESSELDORF	.	1	.	.	.	.	.	.	.	.	1
EALING	.	2	.	.	.	.	.	.	.	.	2
EASTBOURNE	.	.	1	1	.	.	.	.	.	.	2
ENTERITIDIS	42	27	62	198	80	52	299	34			794
EPENDORF	.	1	.	.	.	.	.	.	.	.	1
ESSEN	.	.	.	1	.	.	.	.	.	.	1
FAYED	6	.	.	.	.	.	6
FISCHERKIETZ	.	.	.	1	.	.	.	.	.	.	1
FLINT	.	53	3	2	.	.	1	.	.	.	59
GAMINARA	.	2	2	.	2	2	.	.	.	.	8
GATUNI	1	.	.	.	.	.	1
GIVE	.	1	5	2	.	.	4	.	.	.	12
GROUP 58	.	.	.	1	.	.	.	.	.	.	1
GROUP B	.	7	12	22	3	.	20	.	.	.	64
GROUP C1	.	.	1	1	.	.	8	.	.	.	10
GROUP C2	.	.	3	.	.	.	.	1	.	.	4
GROUP D1	.	1	6	1	.	.	.	.	.	.	8
GROUP E1	.	1	.	1	.	.	.	.	.	.	2
GROUP G	.	.	.	3	.	.	.	.	.	.	3

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1999

..... REGION=South Atlantic

Serotype	STATE										TOTAL
	Delaware	Florida	Georgia	Maryland	North Carolina	South Carolina	Virginia	West Virginia			
GROUP O	.	.	.	3	.	.	.	.	.	.	3
GROUP Q	.	1	.	.	.	.	.	.	.	.	1
GROUP S	.	.	.	1	.	.	.	.	.	.	1
GROUP V	.	.	1	.	.	.	.	.	.	.	1
GROUP Y	.	.	.	2	3	.	.	.	.	.	5
GROUP Z	1	.	.	.	.	.	1
GUILDFORD	.	.	1	.	.	.	.	.	.	.	1
HADAR	4	1	28	43	11	4	10	3			104
HADEJIA	.	.	1	.	.	.	.	.	.	.	1
HAIFA	.	.	2	.	1	.	.	.	.	.	3
HALLE	.	.	1	.	.	.	.	.	.	.	1
HARTFORD	1	3	18	3	4	1	3	.	.	.	33
HATFIELD	.	1	.	.	.	.	.	.	.	.	1
HAVANA	.	.	1	3	.	.	3	1	.	.	8
HEIDELBERG	9	11	86	29	72	32	44	3			286
HEVES	.	.	1	.	.	.	.	.	.	.	1
HIDUDDIFY	1	.	.	.	.	.	1
HVITTINGFOSS	.	1	3	1	.	.	1	.	.	.	6
I 4,5,12:I:-	.	.	5	.	.	.	.	.	.	.	5

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1999

----- REGION=South Atlantic -----

Serotype	STATE										TOTAL
	Delaware	Florida	Georgia	Maryland	North Carolina	South Carolina	Virginia	West Virginia			
IBADAN	.	.	1	.	2	.	.	.	.	3
IIIA 48:G,Z51:-	.	2	1	.	.	.	.	.	.	3
IIIA 53:Z4,Z23,Z32:-	.	2	.	.	.	.	.	.	.	2
INCHPARK	.	1	.	.	.	.	.	.	.	1
INDIANA	.	.	1	3	.	.	.	.	.	4
INFANTIS	6	2	21	9	20	3	18	1		80	
INVERNESS	.	8	1	.	5	.	.	.	.	14
ISTANBUL	1	.	.	1	
ITURI	2	.	.	.	.	2	
IV 44:Z4,Z23:-	.	.	1	.	.	.	.	.	.	1
JAMAICA	.	.	2	.	.	.	.	.	.	2
JANGWANI	.	1	.	.	.	.	.	.	.	1
JAVA	.	.	22	3	12	3	8	4		52	
JAVIANA	4	114	170	22	163	62	20	.		555	
JOHANNESBURG	.	4	9	1	2	2	.	.	.	18	
KEDDOUGOU	.	1	.	.	.	.	.	.	.	1
KENTUCKY	.	1	2	.	.	1	1	.	.	5	
KIAMBUR	.	1	5	2	.	.	1	.	.	9	
KILWA	3	.	.	.	.	3	

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1999

..... REGION=South Atlantic

Serotype	STATE										TOTAL
	Delaware	Florida	Georgia	Maryland	North Carolina	South Carolina	Virginia	West Virginia			
KINONDONI	.	.	.	1	.	.	.	.	.	.	1
KINTAMBO	.	.	1	.	.	.	.	.	.	.	1
KOTTBUS	.	.	.	1	1	.	.	.	.	.	2
KRALINGEN	.	.	1	.	.	.	.	.	.	.	1
KUA	1	.	.	.	.	.	1
LANDWASSER	.	.	.	1	.	.	.	.	.	.	1
LAROCHELLE	1	.	.	.	.	.	1	.	.	.	2
LINDENBURG	.	.	.	1	.	.	.	.	.	.	1
LITCHFIELD	.	2	4	3	.	.	2	7	1	.	19
LOMALINDA	.	.	2	.	.	.	.	.	.	.	2
LONDON	.	.	1	1	.	.	.	.	.	.	2
MADELIA	.	.	3	.	.	.	1	.	.	.	4
MANHATTAN	.	2	3	.	1	2	2	.	.	.	10
MARINA	.	3	.	2	1	.	.	.	.	.	6
MATADI	1	.	.	.	.	.	1
MBANDAKA	1	.	7	1	8	1	3	.	.	.	21
MENDOZA	1	.	.	.	.	1
MIAMI	.	31	5	1	13	2	2	.	.	.	54
MINNESOTA	.	1	1	3	.	.	.	.	.	.	5

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1999

----- REGION=South Atlantic -----

Serotype	STATE										TOTAL
	Delaware	Florida	Georgia	Maryland	North Carolina	South Carolina	Virginia	West Virginia			
MISSION	.	1	.	.	.	.	.	.	.	.	1
MISSISSIPPI	.	13	52	2	21	13	3	.	.	.	104
MONSCHAUI	1	.	.	.	1	.	.	.	.	.	2
MONTEVIDEO	.	19	40	25	18	7	17	5	.	.	131
MUENCHEN	.	27	73	17	49	39	18	4	.	.	227
MUENSTER	.	1	1	2	3	.	.	2	.	.	9
NEWINGTON	2	1	1	.	.	4
NEWPORT	23	90	278	99	242	105	109	7	.	.	953
NORWICH	.	.	3	2	2	.	6	.	.	.	13
OHIO	.	1	3	.	6	2	.	.	.	.	12
ONDERSTEPOORT	1	.	.	.	1
ORANIENBURG	1	11	9	12	19	1	8	.	.	.	61
OSLO	.	.	.	1	.	1	.	.	.	.	2
OTHMARSCHEN	2	.	.	2
PAKISTAN	.	.	.	1	.	.	.	.	.	.	1
PANAMA	.	.	3	4	.	.	5	.	.	.	12
PARATYPHI A	.	.	1	4	.	.	5	.	.	.	10
PARATYPHI B	.	.	2	.	1	4	.	.	.	.	7
PARATYPHI C	1	.	.	.	.	1

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1999

..... REGION=South Atlantic

Serotype	STATE										TOTAL
	Delaware	Florida	Georgia	Maryland	North Carolina	South Carolina	Virginia	West Virginia			
PENSACOLA	.	.	1	.	3	3	.	.	.	7	
POMONA	1	.	.	.	.	1	
POONA	.	7	10	2	4	1	3	.	.	27	
POTSDAM	.	.	.	1	.	1	.	.	.	2	
PRAHA	1	.	.	.	.	1	
PUTTEN	2	.	.	.	.	2	
READING	.	.	6	2	.	.	4	3	.	15	
RISSEN	1	.	.	1	
ROTTNEST	1	.	.	.	.	.	.	.	.	1
RUBISLAW	.	35	11	.	1	4	.	.	.	51	
SAINTPAUL	2	30	25	3	7	9	7	1	.	84	
SANDIEGO	.	3	4	.	.	3	.	.	.	10	
SANTIAGO	1	.	.	.	.	1	
SAPHRA	.	.	2	.	.	.	.	.	.	2
SCHWARZENGRUND	.	.	59	2	1	2	1	1	1	66	
SENFENBERG	.	11	2	2	3	.	1	.	.	19	
SINSTORF	.	1	.	.	.	.	.	.	.	1
SOERENGA	1	.	.	1	
SOMONE	1	.	.	.	.	1	

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1999

..... REGION=South Atlantic

Serotype	STATE										TOTAL	
	Delaware	Florida	Georgia	Maryland	North Carolina	South Carolina	Virginia	West Virginia				
STACHUS	.	.	1	.	.	.	.	.	.	.	.	1
STANLEY	1	1	5	8	5	2	3	.	.	.	.	25
STOCKHOLM	.	4	.	.	.	.	.	.	.	.	.	4
SUBSPECIES I	.	7	37	.	.	.	2	.	.	.	.	46
SUBSPECIES IIIA	.	3	1	.	.	.	2	.	.	.	.	6
SUBSPECIES IIIA/IIIB	.	.	.	.	6	3	.	.	.	.	1	10
SUBSPECIES IIIB	.	.	2	.	.	.	4	.	.	.	.	6
SUBSPECIES IV	.	4	7	.	.	.	4	.	.	1	.	16
TALLAHASSEE	.	1	.	.	.	.	.	.	.	.	.	1
TELEKEBIR	.	.	.	.	.	.	2	.	.	.	.	2
TENNESSEE	.	.	2	1	1	.	.	.	.	.	.	4
THOMASVILLE	.	.	1	.	1	.	.	.	.	.	.	2
THOMPSON	2	7	20	7	9	1	12	2	.	.	.	60
TYPHI	2	19	6	9	2	2	8	.	.	.	.	48
TYPHIMURIUM	46	67	228	146	372	106	270	61	.	.	.	1296
TYPHIMURIUM VAR COPE	.	.	138	92	.	.	.	.	.	.	.	230
UGANDA	.	.	4	2	6	.	.	.	.	.	.	12
UNKNOWN	1	2	2	2	7	19	3	.	.	.	.	36

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1999

----- REGION=South Atlantic -----

Serotype	STATE										TOTAL
	Delaware	Florida	Georgia	Maryland	North Carolina	South Carolina	Virginia	West Virginia			
URBANA	1	4	1	2	1	.	2	.			11
VIRCHOW	.	.	3	2	1	1	3	.			10
WANDSWORTH	.	1	.	1	.	.	.	1			3
WASSENAAR	.	.	.	.	.	.	1	.			1
WELIKADE	.	.	.	.	1	.	.	.			1
WELTEVREDEN	.	1	1	2	1	.	1	.			6
WORTHINGTON	.	.	3	.	.	1	1	.			5
TOTAL	160	709	1701	888	1311	530	1036	154			6489

TABLE 4
 SALMONELLA ISOLATIONS FROM HUMAN SOURCES
 BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1999

----- REGION=East South Central -----

Serotype	STATE				TOTAL
	Alabama	Kentucky	Mississippi	Tennessee	
AARHUS	.	.	.	1	1
ABERDEEN	1	.	.	.	1
ADELAIDE	.	.	.	3	3
AGONA	2	5	.	5	12
ALABAMA	1	.	.	2	3
ALACHUA	.	1	.	.	1
ALBANY	.	1	.	1	2
ANATUM	2	1	.	1	4
BAILDON	3	.	.	3	6
BAREILLY	3	13	1	19	36
BARRANQUILLA	1	.	.	.	1
BELEM	.	.	1	.	1
BERTA	.	1	.	3	4
BOVISMORBIFICANS	.	.	.	1	1
BRAENDERUP	7	5	1	21	34
BRANDENBURG	3	2	.	4	9
BRAZIL	2	.	.	.	2
BREDENEY	2	.	.	.	2
CHAMELEON	.	1	.	.	1
DERBY	1	.	.	1	2

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1999

----- REGION=East South Central -----

Serotype	STATE				TOTAL
	Alabama	Kentucky	Mississippi	Tennessee	
DJUGU	.	.	1	.	1
ENTERITIDIS	20	31	2	34	87
EPENDORF	.	1	.	.	1
GAMINARA	5	.	2	.	7
GIVE	5	2	.	1	8
GROUP 60	.	.	.	1	1
GROUP 61	.	.	.	1	1
GROUP B	13	.	3	15	31
GROUP C1	6	.	4	2	12
GROUP C2	1	.	1	.	2
GROUP D1	4	.	.	2	6
GROUP E1	1	.	1	.	2
GROUP G	2	.	.	.	2
GROUP H	1	.	.	.	1
GROUP I	.	.	1	.	1
GROUP V	.	2	.	.	2
GROUP Y	.	1	.	.	1
HADAR	2	4	.	8	14
HARTFORD	6	.	.	1	7
HAVANA	1	.	.	.	1

(Continued)

TABLE 4
 SALMONELLA ISOLATIONS FROM HUMAN SOURCES
 BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1999

----- REGION=East South Central -----

Serotype	STATE				TOTAL
	Alabama	Kentucky	Mississippi	Tennessee	
HEIDELBERG	19	19	3	45	86
HOUTEN	.	2	.	.	2
HVITTINGFOSS	.	.	.	4	4
INFANTIS	4	12	.	13	29
INVERNESS	2	.	.	.	2
ITAMI	.	.	4	.	4
ITURI	.	1	.	.	1
IV 44:Z4,Z23:-	.	.	.	1	1
JAVA	.	5	1	17	23
JAVIANA	58	7	.	28	93
JOHANNESBURG	1	.	.	5	6
JOS	.	.	.	1	1
KEDOUGOU	1	.	.	.	1
KENTUCKY	.	.	.	1	1
KIAMBU	1	.	.	1	2
KREFELD	.	1	.	.	1
LINDENBURG	1	.	.	.	1
LITCHFIELD	3	.	.	2	5
LIVINGSTONE	.	.	.	1	1
LONDON	.	.	.	4	4

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1999

----- REGION=East South Central -----

Serotype	STATE				TOTAL
	Alabama	Kentucky	Mississippi	Tennessee	
LUCIANA	1	.	.	.	1
MANHATTAN	1	1	1	.	3
MARINA	.	2	.	1	3
MBANDAKA	1	3	.	2	6
MIAMI	.	.	.	1	1
MISSISSIPPI	20	3	19	9	51
MONTEVIDEO	19	6	1	6	32
MUENCHEN	35	3	4	5	47
MUENSTER	1	.	1	.	2
NEWBRUNSWICK	1	.	.	.	1
NEWPORT	57	26	9	66	158
NEWROCHELLE	1	.	.	.	1
NORDENHAM	.	.	1	.	1
NORWICH	3	1	1	9	14
OHIO	3	.	.	2	5
ORANIENBURG	3	7	.	8	18
OTHMARSCHEN	.	1	.	.	1
PANAMA	2	.	.	2	4
PARATYPHI A	1	.	.	.	1
PARATYPHI B	1	2	.	.	3

(Continued)

TABLE 4
 SALMONELLA ISOLATIONS FROM HUMAN SOURCES
 BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1999

----- REGION=East South Central -----

Serotype	STATE				TOTAL
	Alabama	Kentucky	Mississippi	Tennessee	
PENSACOLA	1	.	.	.	1
POONA	2	.	.	3	5
PULLORUM	.	.	1	.	1
READING	1	1	.	.	2
RISSEN	.	.	.	1	1
RUBISLAW	5	.	2	.	7
SAINTPAUL	7	1	.	6	14
SANDIEGO	1	.	.	5	6
SAPHRA	1	.	.	.	1
SCHLEISSHEIM	5	1	.	.	6
SCHWARZENGRUND	2	.	.	3	5
SENFENBERG	1	1	.	2	4
SHUBRA	1	.	.	.	1
SUBSPECIES II	.	.	.	1	1
SUBSPECIES IIIA	1	.	.	.	1
SUBSPECIES IIIB	1	.	.	.	1
SUBSPECIES IV	4	.	.	.	4
SUNDSVALL	.	.	.	1	1
TAFO	1	.	.	.	1
TALLAHASSEE	.	.	.	1	1

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1999

----- REGION=East South Central -----

Serotype	STATE				TOTAL
	Alabama	Kentucky	Mississippi	Tennessee	
TELELKEBIR	.	.	.	1	1
TENNESSEE	1	1	.	.	2
THOMPSON	4	8	.	21	33
TILENE	1	.	.	.	1
TYPHI	.	.	.	1	1
TYPHIMURIUM	114	74	18	165	371
TYPHIMURIUM VAR COPE	.	28	8	.	36
UGANDA	1	.	.	1	2
UNKNOWN	1	5	5	13	24
URBANA	.	.	.	2	2
VIRCHOW	.	1	1	3	5
VIRGINIA	.	.	1	3	4
TOTAL	491	294	99	597	1481

TABLE 4
 SALMONELLA ISOLATIONS FROM HUMAN SOURCES
 BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1999

----- REGION=West South Central -----

Serotype	STATE				TOTAL
	Arkansas	Louisiana	Oklahoma	Texas	
ADELAIDE	.	1	.	7	8
AGONA	2	6	9	33	50
ALACHUA	.	2	.	3	5
ANATUM	.	3	.	13	16
ARECHAVALETA	.	.	1	.	1
ARKANSAS	4	.	.	.	4
ASSEN	.	.	.	1	1
BARDO	.	.	4	.	4
BAREILLY	7	11	2	3	23
BERTA	2	5	4	5	16
BLOCKLEY	.	1	1	2	4
BRAENDERUP	1	10	12	40	63
BRANDENBURG	1	2	2	2	7
BRENENEY	1	1	2	3	7
CERRO	.	1	.	10	11
CHESTER	.	.	1	2	3
CHOLERAESUIJS VAR KUN	.	1	.	.	1
CLAIBORNEI	1	.	.	.	1
CUBANA	1	.	.	6	7

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1999

----- REGION=West South Central -----

Serotype	STATE				TOTAL
	Arkansas	Louisiana	Oklahoma	Texas	
DERBY	.	2	1	4	7
DURHAM	.	.	.	1	1
EASTBOURNE	.	.	1	.	1
ENTERITIDIS	3	18	14	75	110
GAMINARA	.	18	.	5	23
GIVE	.	16	1	9	26
GLOSTRUP	.	.	.	1	1
GROUP 62	.	.	1	.	1
GROUP A	.	.	.	1	1
GROUP B	.	14	11	14	39
GROUP C1	.	.	11	4	15
GROUP C2	.	.	2	3	5
GROUP D1	.	5	3	2	10
GROUP D2	.	.	1	.	1
GROUP E1	.	.	.	3	3
GROUP E2	.	.	1	.	1
GROUP G	.	.	2	3	5
GROUP K	.	.	1	1	2
HADAR	1	2	2	40	45
HALMSTAD	1	.	.	1	2

(Continued)

TABLE 4
 SALMONELLA ISOLATIONS FROM HUMAN SOURCES
 BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1999

----- REGION=West South Central -----

Serotype	STATE				TOTAL
	Arkansas	Louisiana	Oklahoma	Texas	
HARTFORD	.	3	.	1	4
HATO	.	1	.	.	1
HAVANA	.	.	.	10	10
HEIDELBERG	11	25	8	48	92
HVITTINGFOSS	.	11	.	1	12
IBADAN	.	.	1	17	18
INFANTIS	1	5	11	57	74
INVERNESS	.	.	.	1	1
JAVA	2	7	4	7	20
JAVIANA	15	62	7	116	200
JOHANNESBURG	.	.	.	3	3
KENTUCKY	.	1	.	1	2
KIAMBU	.	1	.	5	6
LAROCHELLE	.	.	2	.	2
LINDENBURG	.	.	.	1	1
LITCHFIELD	1	9	5	6	21
LOHRUEGGE	.	.	.	1	1
LUANSHYA	.	.	1	.	1
LUCIANA	.	.	.	1	1
MADELIA	.	.	.	2	2

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1999

----- REGION=West South Central -----

Serotype	STATE				TOTAL
	Arkansas	Louisiana	Oklahoma	Texas	
MANHATTAN	3	1	1	2	7
MARINA	.	.	.	1	1
MATADI	.	.	1	.	1
MBANDAKA	.	5	1	4	10
MELEAGRIDIS	.	.	.	1	1
MIAMI	.	1	.	.	1
MIKAWASIMA	.	.	.	1	1
MINNESOTA	.	.	.	5	5
MISSISSIPPI	3	36	2	19	60
MONTEVIDEO	4	25	7	50	86
MUENCHEN	1	30	17	51	99
MUENSTER	1	1	.	2	4
NEWBRUNSWICK	.	.	1	1	2
NEWINGTON	.	.	.	1	1
NEWPORT	86	124	62	220	492
NGOR	.	.	2	.	2
NORWICH	2	2	4	7	15
OHIO	.	1	.	.	1
ORANIENBURG	.	6	7	76	89
OTHMARSCHEN	.	.	1	.	1

(Continued)

TABLE 4
 SALMONELLA ISOLATIONS FROM HUMAN SOURCES
 BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1999

----- REGION=West South Central -----

Serotype	STATE				TOTAL
	Arkansas	Louisiana	Oklahoma	Texas	
PANAMA	.	2	5	6	13
PARATYPHI A	1	.	2	15	18
PARATYPHI B	.	1	14	5	20
PHOENIX	.	.	.	6	6
POONA	1	1	4	22	28
READING	.	2	.	1	3
REMO	1	.	.	.	1
RIOGRANDE	.	.	.	1	1
ROMANBY	.	.	.	1	1
RUBISLAW	3	11	3	13	30
RUZIZI	.	.	.	1	1
SAINTPAUL	1	8	1	17	27
SANDIEGO	.	.	.	9	9
SAPHRA	.	4	.	3	7
SCHWARZENGRUND	1	3	.	.	4
SENFTENBERG	.	1	.	12	13
SHUBRA	.	.	2	.	2
STANLEY	.	1	1	1	3
SUBSPECIES I	.	.	2	.	2
SUBSPECIES II	.	.	2	.	2

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1999

----- REGION=West South Central -----

Serotype	STATE				TOTAL
	Arkansas	Louisiana	Oklahoma	Texas	
SUBSPECIES IIIA/IIIB	.	.	.	1	1
TELELKEBIR	.	.	.	1	1
TENNESSEE	.	1	.	.	1
THOMPSON	.	21	5	29	55
TYPHI	.	2	.	24	26
TYPHIMURIUM	98	75	70	252	495
UGANDA	.	1	2	1	4
UNKNOWN	3	.	1	122	126
URBANA	.	5	.	7	12
VIRCHOW	.	2	1	2	5
WA	1	.	.	.	1
WASSENAAR	.	.	.	1	1
WEL TEVREDEN	.	.	1	.	1
WESTHAMPTON	.	.	1	.	1
WORTHINGTON	.	.	.	4	4
TOTAL	265	617	352	1573	2807

TABLE 4
 SALMONELLA ISOLATIONS FROM HUMAN SOURCES
 BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1999

----- REGION=Mountain -----

Serotype	STATE										TOTAL	
	Arizona	Colorado	Idaho	Montana	Nevada	New Mexico	Utah	Wyoming				
ABONY	2	1	.	.	.	.	.	.	.	.	.	3
ADELAIDE	.	.	.	.	.	1	.	.	.	.	.	1
AGONA	.	2	2	.	1	2	5	.	.	.	.	12
ALBANY	.	.	.	.	.	1	2	.	.	.	.	3
ANATUM	.	8	.	.	2	6	1	.	.	.	.	17
ANECHO	1	.	.	.	.	.	.	.	.	.	.	1
BAILDON	13	.	.	.	.	.	.	.	.	.	.	13
BARDO	.	.	1	.	.	.	.	.	.	.	.	1
BAREILLY	1	.	.	.	.	.	.	.	.	.	.	1
BERGEN	1	.	.	.	.	.	.	.	.	.	.	1
BERTA	.	.	.	.	.	.	.	.	1	.	.	1
BLOCKLEY	4	1	.	.	.	1	1	.	.	.	.	7
BOVISMORBIFICANS	.	.	1	.	.	.	1	.	.	.	.	2
BRAENDERUP	6	13	3	.	.	1	3	.	.	.	.	26
BRANDENBURG	1	3	.	.	.	.	.	.	.	.	.	4
BRAZOS	.	.	.	.	.	1	.	.	.	.	.	1
BRENENEY	.	.	.	.	.	1	1	.	.	.	.	2
CALIFORNIA	1	.	.	.	.	.	.	.	.	.	.	1
CAMBRIDGE	1	.	.	.	.	.	.	.	.	.	.	1
CARRAU	.	1	.	.	.	.	.	.	.	.	.	1

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1999

----- REGION=Mountain -----

Serotype	STATE										TOTAL
	Arizona	Colorado	Idaho	Montana	Nevada	New Mexico	Utah	Wyoming			
CERRO	2	1	.	.	.	3	2	.	.	8	
CHAMIELEON	.	1	.	.	.	.	.	.	.	1
CHOLERAESUIS VAR KUN	.	1	.	.	.	.	.	.	.	1
CUBANA	1	.	.	.	.	.	1	.	.	2
DAHRA	.	.	.	.	2	.	.	.	.	2
DAYTONA	.	1	.	.	.	.	.	.	.	1
DENVER	.	.	.	.	.	1	.	.	.	1
DERBY	15	9	.	.	.	.	.	.	.	24
DRYPOOL	5	.	.	.	.	.	.	.	.	5
DUBLIN	12	1	.	.	.	2	.	.	.	15	
EMEK	.	.	.	.	.	.	1	.	.	1
ENTERITIDIS	67	94	15	.	5	27	359	.	.	567	
FLINT	.	.	.	.	.	.	1	.	.	1
GAMINARA	1	3	.	.	.	.	.	.	.	4
GIVE	.	1	.	.	1	.	1	.	.	3	
GOETTINGEN	1	.	.	.	.	.	.	.	.	1
GROUP B	.	.	.	.	.	.	2	25	.	27
GROUP C1	.	.	.	1	.	1	.	5	.	7	
GROUP C2	.	.	.	.	.	.	.	8	.	8

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1999

----- REGION=Mountain -----

Serotype	STATE											TOTAL
	Arizona	Colorado	Idaho	Montana	Nevada	New Mexico	Utah	Wyoming				
GROUP D1	.	.	.	1	.	1	.	1	.	1	19	22
GROUP E1	.	.	.	.	.	.	.	.	.	.	1	1
HADAR	12	12	.	.	3	9	.	3	.	.	.	39
HARTFORD	.	1	1	.	.	.	.	.	.	.	.	2
HAVANA	2	.	.	.	.	4	.	.	.	.	.	6
HEIDELBERG	27	29	3	.	5	14	4	.	.	.	.	82
HORSHAM	.	.	.	.	.	2	.	.	.	.	.	2
IBADAN	1	.	.	.	.	.	.	.	.	.	.	1
IIIA 53:Z4,Z23,Z32:-	.	2	.	.	.	.	.	.	.	.	.	2
INDIANA	1	1	.	.	.	.	.	.	.	.	.	2
INFANTIS	14	15	.	.	1	10	2	.	.	.	.	42
INVERNESS	1	.	.	.	.	.	.	.	.	.	.	1
IRUMU	.	.	.	.	.	.	1	.	.	.	.	1
IV 44:Z4,Z23:-	.	.	.	.	.	.	1	.	.	.	.	1
JAVA	4	3	.	.	.	.	6	.	.	.	.	13
JAVIANA	31	10	.	.	1	10	4	.	.	.	.	56
JOHANNESBURG	.	.	.	.	1	.	.	.	.	.	.	1
KENTUCKY	3	1	.	.	.	1	.	.	.	.	.	5
KINSHASA	.	1	.	.	.	.	.	.	.	.	.	1

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1999

----- REGION=Mountain -----

Serotype	STATE											TOTAL		
	Arizona	Colorado	Idaho	Montana	Nevada	New Mexico	Utah	Wyoming						
KINTAMBO	1	1	.	.	.	.	.	.	.	.	.	.	.	2
KOTTBUS	.	1	.	.	.	.	.	.	.	.	.	.	.	1
KRALENDYK	.	1	.	.	.	.	.	.	.	.	.	.	.	1
LINDENBURG	.	.	.	.	.	1	.	.	.	.	.	.	.	1
LITCHFIELD	.	3	.	.	.	2	.	.	.	.	.	.	.	5
LIVINGSTONE	.	.	.	.	.	1	.	.	1	.	.	.	.	2
LOMALINDA	.	.	.	.	.	.	.	.	1	.	.	.	.	1
LONDON	1	2	.	.	.	.	.	.	.	.	.	.	.	3
MANCHESTER	.	1	.	.	.	.	.	.	.	.	.	.	.	1
MBANDAKA	2	3	10	.	.	5	.	.	6	.	.	.	.	26
MIAMI	.	.	.	.	.	.	.	.	1	.	.	.	.	1
MINNESOTA	3	2	.	.	.	1	.	.	.	.	.	.	.	6
MISSISSIPPI	.	.	.	.	.	.	.	.	1	.	.	.	.	1
MONTEVIDEO	27	25	2	.	1	12	.	.	8	.	.	.	.	75
MUENCHEN	71	15	21	.	.	14	.	.	17	.	.	.	.	138
MUENSTER	1	1	.	.	.	1	.	.	.	.	.	.	.	3
NEWRUNSWICK	6	.	.	.	.	.	.	.	.	.	.	.	.	6
NEWINGTON	13	1	.	.	.	.	.	.	.	.	.	.	.	14
NEWPORT	90	62	4	.	1	26	.	.	13	.	.	.	.	196
NORWICH	2	.	.	.	.	.	.	.	.	.	.	.	.	2

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1999

----- REGION=Mountain -----

Serotype	STATE											TOTAL
	Arizona	Colorado	Idaho	Montana	Nevada	New Mexico	Utah	Wyoming				
OHIO	.	3	.	.	.	1	.	4	.	.	.	8
ORANIENBURG	57	24	.	.	.	44	.	3	.	.	.	128
OSLO	.	1	.	.	.	1	.	.	.	.	.	2
OTHMARSCHEN	.	.	4	.	.	.	.	.	.	.	.	4
PANAMA	13	3	.	.	1	3	.	1	.	.	.	21
PARATYPHI A	1	2	.	.	.	.	.	.	.	.	.	3
PARATYPHI B	8	3	.	.	1	2	.	1	.	.	.	15
POONA	39	3	1	.	1	5	.	1	.	.	.	50
READING	1	2	.	.	.	1	.	1	.	.	.	5
SAINTPAUL	19	1	1	.	.	1	.	9	.	.	.	31
SANDIEGO	4	5	.	.	.	2	.	.	.	.	.	11
SAPHRA	.	.	.	.	.	.	.	2	.	.	.	2
SCHWARZENGRUND	.	1	.	.	1	.	.	2	.	.	.	4
SENFTENBERG	1	7	.	.	1	3	.	1	.	.	.	13
STANLEY	8	3	.	.	.	.	.	3	.	.	.	14
SUBSPECIES I	4	.	.	.	.	1	.	.	.	.	.	5
SUBSPECIES II	1	.	.	.	.	.	.	.	.	.	.	1
SUBSPECIES IIIA	4	1	.	.	.	.	.	.	.	.	.	5
SUBSPECIES IIIA/IIIB	.	.	.	.	.	1	.	.	.	.	.	1

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1999

----- REGION=Mountain -----

Serotype	STATE										TOTAL	
	Arizona	Colorado	Idaho	Montana	Nevada	New Mexico	Utah	Wyoming				
TALLAHASSEE	1	.	.	.	.	.	.	.	.	.	.	1
TENNESSEE	3	.	.	.	.	.	.	.	1	.	.	4
THOMPSON	12	15	1	.	.	1	.	.	6	.	.	35
TRAVIS	1	.	.	.	.	.	.	.	.	.	.	1
TYPHI	2	3	.	.	.	.	.	.	3	.	.	8
TYPHIMURIUM	187	180	25	.	12	41	96	.	.	.	.	541
TYPHIMURIUM VAR COPE	.	115	.	.	5	23	.	.	.	.	1	144
UNKNOWN	.	.	.	.	3	1	.	.	.	.	.	4
VEJLE	1	.	.	.	.	.	.	.	.	.	.	1
VIRGINIA	.	.	1	.	.	.	.	.	.	.	.	1
WAYCROSS	.	.	1	.	.	.	.	.	.	.	.	1
WELTEVREDEN	3	.	.	.	.	.	.	.	.	.	.	3
WIEN	.	1	.	.	.	.	.	.	.	.	.	1
WORTHINGTON	2	1	.	.	.	.	1	.	.	.	.	4
TOTAL	820	708	97	2	49	293	587	59	.	.	.	2615

TABLE 4
 SALMONELLA ISOLATIONS FROM HUMAN SOURCES
 BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1999

----- REGION=Pacific -----

Serotype	STATE						TOTAL
	Alaska	California	Hawaii	Oregon	Washington		
ABAETETUBA	.	2	.	.	.	.	2
ABERDEEN	.	2	.	.	.	.	2
ADELAIDE	.	11	.	.	.	.	11
AGAMA	.	2	.	.	.	.	2
AGONA	2	92	8	3	18		123
ALACHUA	1	2	.	1	.	.	4
ALBANY	.	5	.	.	.	.	5
ALTONA	.	1	.	.	.	.	1
AMAGER	.	.	2	.	.	.	2
ANATUM	.	20	3	1	3		27
BAILDON	.	34	.	.	.	.	34
BARDO	.	2	.	.	.	.	2
BAREILLY	.	7	.	.	2		9
BERTA	.	20	.	1	.		21
BINZA	.	1	.	.	.		1
BLOCKLEY	.	6	.	.	.		6
BONAIRE	.	1	.	.	.		1
BONARIENSIS	.	1	.	.	.		1
BOVISMORBIFICANS	.	1	2	.	.		3
BRAENDERUP	.	75	1	6	6		88

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1999

----- REGION=Pacific -----

Serotype	STATE						TOTAL
	Alaska	California	Hawaii	Oregon	Washington		
BRENENEY	.	7	.	.	.	.	7
BROUGHTON	.	.	.	1	.	.	1
BUTANTAN	.	1	.	.	.	.	1
CARRAU	2	.	2
CERRO	.	10	.	.	.	.	10
CHAILEY	.	2	.	.	.	.	2
CHESTER	.	6	1	.	.	.	7
CHOLERAESUJIS	.	1	.	.	1	.	2
CLACKAMAS	.	.	.	3	.	.	3
CONCORD	1	.	.	.	.	.	1
CORVALLIS	.	1	.	.	.	.	1
CUBANA	.	8	.	1	.	.	9
DERBY	.	32	7	1	4	.	44
DUBLIN	1	23	.	3	4	.	31
EALING	.	1	.	.	.	.	1
EASTBOURNE	1	.	1
EDINBURG	.	1	.	.	.	.	1
ELOMRANE	.	1	.	.	.	.	1
EMEK	1	.	1
ENTERITIDIS	4	526	93	43	90	.	756

(Continued)

TABLE 4
 SALMONELLA ISOLATIONS FROM HUMAN SOURCES
 BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1999

----- REGION=Pacific -----

Serotype	STATE						TOTAL
	Alaska	California	Hawaii	Oregon	Washington		
GAMINARA	1		1
GIVE	.	13	4	.	.		17
GLOSTRUP	1		1
GROUP 53	.	.	.	1	1		2
GROUP 60	.	.	.	1	.		1
GROUP B	.	10	1	.	13		24
GROUP C1	.	3	.	2	.		5
GROUP D1	.	1	1	1	.		3
GROUP I	.	41	.	.	.		41
GROUP K	.	2	.	.	.		2
GROUP R	.	1	.	.	.		1
GROUP Z	.	6	.	.	1		7
GRUMPENSIS	.	1	.	.	.		1
HADAR	1	55	3	3	12		74
HAIFA	.	.	.	1	1		2
HARTFORD	.	3	1	.	.		4
HAVANA	.	10	.	.	.		10
HEIDELBERG	10	180	14	26	43		273
HORSHAM	.	1	.	.	.		1
HOUTEN	1		1

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1999

----- REGION=Pacific -----

Serotype	STATE						TOTAL
	Alaska	California	Hawaii	Oregon	Washington		
HVITTINGFOSS	1		1
IIIB 61:1, V:1, 5, 7	1		1
IIIB 65:K:Z	1		1
INDIANA	.	2	.	1	2		5
INFANTIS	.	63	6	13	9		91
INVERNESS	1		1
IRUMU	.	1	.	1	.		2
ISTANBUL	.	10	.	3	.		13
ITAMI	.	.	.	1	2		3
IV 44:Z4, Z23:-	1		1
JANGWANI	1		1
JAVA	.	.	.	7	.		7
JAVIANA	2	29	.	3	20		54
JOHANNESBURG	.	2	.	.	.		2
KENTUCKY	.	11	.	.	.		11
KIAMBU	.	3	.	.	.		3
KINGABWA	.	2	.	.	.		2
KINSHASA	.	1	.	.	.		1
KINTAMBO	1		1
KIRKEE	.	1	.	.	.		1

(Continued)

TABLE 4
 SALMONELLA ISOLATIONS FROM HUMAN SOURCES
 BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1999

----- REGION=Pacific -----

Serotype	STATE						TOTAL
	Alaska	California	Hawaii	Oregon	Washington		
KOTTBUS	.	1	.	.	.	.	1
LANSING	.	1	.	.	.	.	1
LITCHFIELD	.	11	.	4	1		16
LOMALINDA	.	2	.	.	1		3
LONDON	.	2	.	1	.		3
LUCIANA	.	2	.	1	.		3
MADELIA	.	1	.	.	.		1
MANGO	1		1
MANHATTAN	.	22	.	.	.		22
MANILA	.	1	.	.	.		1
MARINA	.	1	.	1	1		3
MBANDAKA	.	38	1	54	22		115
MELEAGRIDIS	.	4	.	.	3		7
MIAMI	.	1	.	.	3		4
MICHIGAN	.	2	.	.	.		2
MIKAWASIMA	.	.	.	1	2		3
MINNESOTA	.	5	.	.	.		5
MISSISSIPPI	.	5	.	.	.		5
MONTEVIDEO	1	100	.	17	12		130
MUENCHEN	3	185	18	76	146		428

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1999

----- REGION=Pacific -----

Serotype	STATE						TOTAL
	Alaska	California	Hawaii	Oregon	Washington		
MUENSTER	.	4	.	.	2		6
NAPOLI	.	1	.	.	.		1
NEWBRUNSWICK	.	11	.	.	.		11
NEWINGTON	.	1	.	.	.		1
NEWPORT	1	103	8	15	19		146
NIMA	.	1	.	.	.		1
NORWICH	.	1	.	.	.		1
OHIO	.	13	.	2	2		17
ORANIENBURG	.	75	.	8	20		103
OSLO	.	1	2	1	1		5
PAKISTAN	.	3	.	.	1		4
PANAMA	.	26	1	1	3		31
PARATYPHI A	.	14	.	1	.		15
PARATYPHI B	1	43	1	4	11		60
POMONA	.	11	.	.	2		13
POONA	.	24	.	3	8		35
POTSDAM	.	4	.	.	.		4
RAMATGAN	.	1	.	.	.		1
READING	.	10	1	3	3		17
RIDGE	.	1	.	.	.		1

(Continued)

TABLE 4
 SALMONELLA ISOLATIONS FROM HUMAN SOURCES
 BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1999

----- REGION=Pacific -----

Serotype	STATE						TOTAL
	Alaska	California	Hawaii	Oregon	Washington		
RISSEN	.	1	.	.	.	.	1
ROMANBY	.	2	.	1	.	.	3
ROODEPOORT	.	1	.	.	.	.	1
RUBISLAW	1	.	1
RUIRU	.	1	.	.	.	.	1
SAINTPAUL	.	88	3	11	16	.	118
SALINATIS	.	1	.	.	.	.	1
SANDIEGO	.	6	.	1	5	.	12
SANJUAN	.	1	.	.	.	.	1
SAPHRA	.	1	.	.	.	.	1
SCHWARZENGRUND	.	15	1	4	2	.	22
SENDAI	.	1	.	.	.	.	1
SENFTEMBERG	.	17	1	.	3	.	21
SHUBRA	.	1	.	.	1	.	2
SINGAPORE	.	2	.	.	.	.	2
SOERENGA	.	1	.	.	.	.	1
SOUTHAMPTON	.	.	1	.	.	.	1
STANLEY	.	21	1	4	7	.	33
SUBSPECIES I	1	.	.	2	1	.	4
SUBSPECIES IIIB	.	.	.	1	.	.	1

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1999

----- REGION=Pacific -----

Serotype	STATE						TOTAL
	Alaska	California	Hawaii	Oregon	Washington		
SUNDSVALL	.	1	.	.	2		3
TAKORADI	.	4	.	.	.		4
TAMPICO	.	2	.	.	.		2
TELELKEBIR	.	4	.	.	.		4
TENNESSEE	.	4	.	1	.		5
THIES	1		1
THOMPSON	.	130	1	5	12		148
TYPHI	.	86	.	5	10		101
TYPHIMURIUM	6	367	73	119	256		821
TYPHIMURIUM VAR COPE	.	172	.	.	.		172
UGANDA	.	13	.	.	6		19
UNKNOWN	.	48	1	.	6		55
URBANA	.	2	.	1	3		6
UZARAMO	.	1	.	.	.		1
VIRCHOW	.	15	.	1	3		19
VIRGINIA	.	1	.	.	.		1
WANDSWORTH	1		1
WASSENAAR	.	1	.	.	.		1
WELTEVREDEN	.	6	27	.	.		33

(Continued)

TABLE 4
 SALMONELLA ISOLATIONS FROM HUMAN SOURCES
 BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1999

----- REGION=Pacific -----

Serotype	STATE					TOTAL
	Alaska	California	Hawaii	Oregon	Washington	
WESTHAMPTON	.	.	1	.	.	1
WIDEMARSH	.	1	.	.	.	1
WORTHINGTON	.	3	.	.	2	5
ZANZIBAR	.	1	.	.	.	1
TOTAL	35	3111	289	477	848	4760