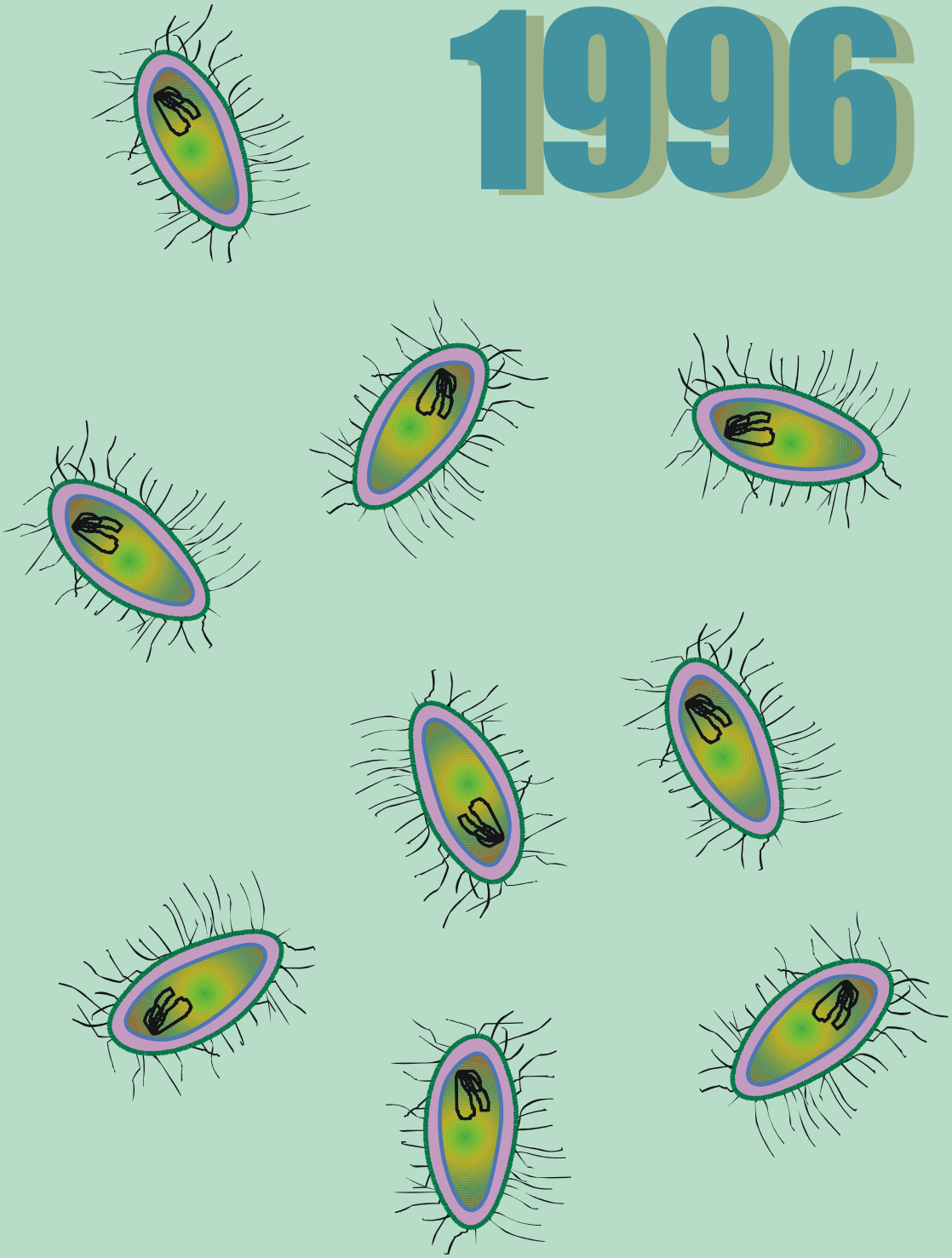
Salmonella

Annual Summary

1996



Department of Health and Human Services
Centers for Disease Control and Prevention
National Center for Infectious Diseases
Division of Bacterial and Mycotic Diseases
Foodborne and Diarrheal Diseases Branch
Atlanta, GA 30333

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Laboratory Confirmed *Salmonella* Surveillance
Annual Summary, 1996

The Annual Summary Tabulation contains surveillance data on reported laboratory-confirmed *Salmonella* isolates in the United States for 1996. The National *Salmonella* Surveillance System collects reports of isolates of *Salmonella* from human sources from every state in the United States. This information is reported through the Public Health Laboratory Information System (PHLIS), an electronic reporting system, by the State Public Health Laboratory Directors and State and Territorial Epidemiologists to the Foodborne and Diarrheal Diseases Branch and the Biostatistics and Information Management Branch of the Division of Bacterial and Mycotic Diseases in the National Center for Infectious Diseases.

The number of isolates reported by geographical area (e.g. state) represents the state where laboratory confirmation was performed; in some instances the reporting state is not the same as the state of residence of the person from whom the isolate was obtained. For *Salmonella* serotype *Typhi*, only the first isolation in a year for each person is counted. For the Annual Summary, duplicate records are deleted.

The PDF version of this document can be viewed online at www.cdc.gov/ncidod/dbmd/phlisdata. Further information concerning the data described in this report can be obtained by contacting the Foodborne and Diarrheal Diseases Branch (404) 639-2206. For further information concerning PHLIS please contact the Biostatistics and Information Management Branch (404) 639-1364.

The *Salmonella* Outbreak Detection Algorithm (SODA), developed by BIMB and FDDB, is a statistical algorithm designed to detect unusual clusters of isolates of *Salmonella* infection. SODA compares current *Salmonella* isolates reported through PHLIS by serotype to a 5-year historical baseline for that serotype and week to detect unusual increases from the baseline. Analyses can be conducted at state, regional, or national levels. Since 1996, SODA has been implemented at CDC and selected state health departments. If you would like more information on SODA, please call the PHLIS Helpdesk (404) 639-3365.

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Single copies of *Salmonella: Annual Summary 1996* are available in multiple formats from:

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http://www.cdc.gov/ncidod/dbmd/offices.htm

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TABLE 1
THE 20 MOST FREQUENTLY REPORTED SALMONELLA SEROTYPES
FROM HUMAN SOURCES REPORTED TO CDC IN 1996 AND FROM
NONHUMAN SOURCES REPORTED TO CDC AND USDA IN 1996

HUMAN 1996				NONHUMAN 1996			
RANK	SEROTYPE	NUMBER	PERCENT	RANK	SEROTYPE	NUMBER	PERCENT
1	ENTERITIDIS	9570	24.5	1	TYPHIMURIUM *	2958	18.0
2	TYPHIMURIUM *	9501	24.3	2	HEIDELBERG	1641	10.0
3	HEIDELBERG	1998	5.1	3	KENTUCKY	991	6.0
4	NEWPORT	1985	5.1	4	MONTEVIDEO	953	5.8
5	MONTEVIDEO	1227	3.1	5	DERBY	802	4.9
6	JAVIANA	749	1.9	6	AGONA	647	3.9
7	ORANIENBURG	690	1.8	7	CHOLERAESUIS **	606	3.7
8	HADAR	658	1.7	8	ENTERITIDIS	522	3.2
9	AGONA	606	1.6	9	ANATUM	480	2.9
10	MUENCHEN	595	1.5	10	HADAR	440	2.7
11	THOMPSON	586	1.5	11	BRANDENBURG	413	2.5
12	SAINTPAUL	562	1.4	12	MUENSTER	409	2.5
13	BRAENDERUP	531	1.4	13	SENFTENBERG	409	2.5
14	INFANTIS	503	1.3	14	INFANTIS	357	2.2
15	TYPHI	440	1.1	15	WORTHINGTON	342	2.1
16	POONA	415	1.1	16	CERRO	305	1.9
17	PARATYPHI B	298	0.8	17	MBANDAKA	286	1.7
18	JAVA	289	0.7	18	SCHWARZENGRUND	268	1.6
19	ANATUM	271	0.7	19	DUBLIN	221	1.3
20	MBANDAKA	223	0.6	20	MELEAGRIDIS	195	1.2
	SUB TOTAL	31697	81.2			13245	80.8
	TOTAL	39035				16399	

* TYPHIMURIUM INCLUDES VAR. COPENHAGEN
** CHOLERAESUIS INCLUDES VAR. KUNZENDORF

TABLE 2
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY AGE AND SEX, 1996

	SEX			
	FEMALE	MALE	UNKNOWN	TOTAL
AGEGROUP				
< 1 YR	2028	2338	244	4610
1 TO 4 YRS	2744	2851	188	5783
5 TO 9 YRS	1317	1497	95	2909
10 TO 19 YRS	1376	1749	107	3232
20 TO 29 YRS	2202	1972	122	4296
30 TO 39 YRS	2185	1965	114	4264
40 TO 49 YRS	1688	1397	80	3165
50 TO 59 YRS	1158	845	63	2066
60 TO 69 YRS	1038	677	46	1761
70 TO 79 YRS	976	590	56	1622
80+ YEARS	737	385	35	1157
UNKNOWN AGE	1544	1454	1172	4170
TOTAL	18993	17720	2322	39035

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1986-1996

	YEAR											
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	TOTAL
SEROTYPE												
AARHUS						1	4	13	6		6	30
ABA						1						1
ABAETETUBA	2		1	2	5	3	1	2	10	10	17	53
ABERDEEN	6	3	6	5	2	3	3	5	1	5	2	41
ABONY	3	1	5	12	3	4	2	3	6	9	2	50
ABORTUSBOVIS			1						1			2
ACRES											1	1
ADELAIDE	111	94	76	62	64	61	96	74	110	98	88	934
ADIME	1											1
AFLAO											1	1
AFRICANA		1										1
AGAMA					1	1	1		4	3	2	12
AGBENI	3	1	4		1	2	3	1	3	5	1	24
AGEGE				1							1	2
AGO	1									1		2
AGONA	986	1152	1121	925	980	1006	750	651	753	683	606	9613
AGOUEVE				1			1		2	2	4	10
AHMADI						1						1
AHUZA											1	1
AJIOBO								1				1
ALABAMA		5	7	2	1		3		1	1	2	22

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1986-1996

	YEAR											TOTAL
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	
SEROTYPE												
ALACHUA	130	133	69	47	48	16	28	55	70	52	39	687
ALAGBON				1								1
ALAMO	1	1						2		1		5
ALBANY	45	61	47	56	42	23	24	30	29	49	26	432
ALBERT					1				2	1	1	5
ALBUQUERQUE				1				1				2
ALGER			1									1
ALLANDALE		1										1
ALTENDORF						1						1
ALTONA						1			1		1	3
AMAGER	2	4		1	1	1	3	2		6	1	21
AMERSFOORT							1					1
AMSTERDAM	7	1	7	15	4	2	3	3	4	11	2	59
ANATUM	246	261	266	228	285	232	158	194	146	174	271	2461
ANECHO			1	2	5	1	1	2		2	5	19
ANK									1		2	3
ANNEDAL											1	1
ANTONIO					1	1						2
ANTSALOVA									1	2	1	4
APAPA	1											1
AQUA	1					1	1	1		3	2	9

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1986-1996

	YEAR											TOTAL
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	
SEROTYPE												
ARAGUA											1	1
ARDWICK	1											1
ARECHAVALETA	5	1	1	1		5	4	1	4	6	6	34
ARGENTINA							1					1
ARKANSAS	2	6	3	6	12	6	1					36
ASHANTI						1						1
ASSEN				1	2							3
ASSINIE								1				1
AUGUSTENBORG				1	2	2		1				6
AUSTIN		1										1
AVIGNON					1				1			2
AZTECA			1	1	1			1				4
BABELSBERG					1							1
BAGUIDA								1				1
BAHATI											1	1
BAHRENFELD								1				1
BAILDON	1		1	2		1	1	1	1	14	5	27
BALL					1						2	3
BANANA						1	1	1			1	4
BARAGWANATH	1											1
BARDO	28	27	32	24	33	11	4	8	8	1	28	204

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1986-1996

	YEAR											TOTAL
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	
SEROTYPE												
BAREILLY	149	124	152	148	111	117	94	105	83	109	115	1307
BARRANQUILLA											1	1
BAZENHEID			1									1
BELEM						3	1					4
BELFAST						1						1
BENFICA					1					2	1	4
BENIN									1		1	2
BERE	2		6			3	1	1	2	1	1	17
BERGEDORF			2									2
BERKELEY	1		1									2
BERLIN								1				1
BERN		1	1									2
BERTA	252	516	497	653	487	419	333	401	399	367	118	4442
BIETRI			2									2
BINZA	2	1	3		2	5	1	1	2	1		18
BIRKENHEAD	2		2						2		2	8
BISPEBJERG											1	1
BLEADON		2										2
BLEGDAM	3	6		1	2	5	2	6	6		2	33
BLIJDORP											1	1
BLOCKLEY	326	442	476	262	147	132	86	89	76	55	51	2142

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1986-1996

	YEAR											TOTAL
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	
SEROTYPE												
BLUKWA											1	1
BONAIRE		1		1	1		1	1		1	1	7
BONAMES					2							2
BONARIENSIS	7	2	1	4		9	4	6		5	3	41
BONGOR										1	1	2
BONN		1	2	2	2				7	4	1	19
BORBECK										1		1
BORNUM							1					1
BOVISMORBIFICANS	35	65	46	73	40	36	26	35	40	25	41	462
BRADFORD	4	1	4	2	1	2	54	44	35	12	1	160
BRAENDERUP	633	566	636	745	758	411	477	381	426	588	531	6152
BRANDENBURG	144	195	186	195	176	161	188	257	259	284	181	2226
BRAZIL						1		2		1	1	5
BRAZZAVILLE		1				1						2
BREDA								1				1
BREDENEY	160	133	117	99	87	75	57	49	44	57	47	925
BREFET								1				1
BREZANY									1			1
BRIKAMA								1			1	2
BRON	1								2	2	1	6
BRONX									1			1

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1986-1996

	YEAR											TOTAL
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	
SEROTYPE												
BROUGHTON	2		1							2		5
BRUNEI					1	1						2
BUDAPEST								1		1		2
BUKURU			1									1
BURGAS						1						1
BURUNDI										1		1
BUTANTAN			1									1
BUZU									1	3		4
CALIFORNIA	2	9	2		1	6	2	4	2	1	1	30
CAMBRIDGE			1	1						1		3
CANADA		1		1							1	3
CANASTEL		1			1							2
CANOGA	1	1	1		1	2	28	1				35
CARMEL										1	1	2
CARNO					1							1
CARRAU	7	1	2	1	9	6	5	9	9	12	30	91
CARSWELL						1	1					2
CERRO	170	204	139	117	115	102	99	57	62	74	55	1194
CHAILEY	3		2	2	4	2		1		6	4	24
CHAMELEON	2	3	1	1	1	2	3	9	9	12	11	54
CHAMPAIGN					1				1	1		3

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1986-1996

	YEAR											
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	TOTAL
SEROTYPE												
CHANDANS									1			1
CHARITY					1	1		1				3
CHARLOTTENBURG						1					1	2
CHESTER	54	33	42	22	369	27	30	23	21	34	26	681
CHICAGO								1	1			2
CHINCOL	1				1	1	1	2				6
CHITTAGONG				2								2
CHOLERAESUIS	37	41	57	50	39	40	35	50	53	50	41	493
CHOLERAESUIS VAR KUN	27	41	49	42	34	42	56	36	18	25	26	396
CLACKAMAS	1	2	1		3		1		1	1	1	11
CLAIBORNEI						1						1
CLERKENWELL					1							1
CLEVELAND	15	7										22
COELN	5	4	4	2	3	5	1	4	2	2	7	39
COLEYPARK				2	1		2					5
COLINDALE	1	1	2		1				5	2	7	19
COLORADO						1	1	1	1	1	1	6
CONCORD		1		1	1	1			1	4	5	14
CORVALLIS		1		1	1	1	1	2		1	1	9
COTHAM									1			1
CREMIEU		2										2

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1986-1996

	YEAR											TOTAL
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	
SEROTYPE												
CUBANA	13	18	26	20	21	29	32	32	61	44	34	330
CULLINGWORTH											1	1
CURACAO	1		2	1		1		1	1			7
DAKOTA			1									1
DAYTONA	4	6	1	2	2	3	1	5	3	3	4	34
DECATUR					1	3		1	1			6
DEGANIA										1		1
DEMERARA		3										3
DENVER	4	5	2	6	2	4	1	9	2	5	2	42
DERBY	364	412	340	289	268	184	199	170	144	213	143	2726
DESSAU				2	2							4
DIBRA			1									1
DIGUEL											4	4
DJAKARTA		1						2				3
DJUGU	1	1		1	2	3	2		4	1	2	17
DOBA									1	1		2
DOEL											2	2
DOULASSAME						1						1
DRIFFIELD			1									1
DROGANA							3		1	3		7
DRYPOOL	12	9	15	8	5	7		4	4	8	5	77

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1986-1996

	YEAR											TOTAL
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	
SEROTYPE												
DUBLIN	137	86	92	121	103	106	100	90	65	81	85	1066
DUESSELDORF	13	21	8	13	14	10	6	19	12	13	6	135
DUGBE	1								1			2
DUISBURG				1	1	1	1			2		6
DUMFRIES					1							1
DURBAN	1	5	4	7		5	2	4	11	3	8	50
DURHAM				2		5	3	1	5	6	4	26
DUVAL							1	2		1		4
EALING		1				4	2	2	8	24	26	67
EASTBOURNE	4	5	15	11	2	11	5	8	13	10	13	97
ECHA		1										1
EDINBURG	5	1	5	14	1	4		1	3	4		38
EDMONTON					1							1
EILBECK										1		1
EIMSBUETTEL	1	1	1	2								5
EKO	2	1			1	4	2					10
EKPOUI						1		1				2
EMEK	4	6	2	2	4	7	7	4	3	6	5	50
EMMASTAD		1	1									2
ENSCHEDE							1					1
ENTEBBE	1						1		2		8	12

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1986-1996

	YEAR											TOTAL
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	
SEROTYPE												
ENTERITIDIS	6036	7052	7063	8466	8734	7755	6578	8071	9866	10201	9570	89392
ENUGU										1	1	2
EPPENDORF					1			1	1			3
ERLANGEN						1						1
ESCANABA		2	1									3
ESSEN	1	6	1	1	1	3	3		3		2	21
FALKENSEE		1	1		1	1			1	2		7
FARMSEN						1	1		3	2	2	9
FAYED										1		1
FERRUCH	8			1								9
FINKENWERDER					1							1
FISCHERKIETZ					1							1
FLINT	3	2	7		5	29	20	30	32	39	34	201
FLORIDA	6	2	1	2	3	9		5	3	2	7	40
FLUNTERN											1	1
FORTLAMY										2		2
FREEFALLS										2		2
FREIBURG	1							1				2
FREMANTLE										1		1
FRESNO									1	1		2
FRINTROP											1	1

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1986-1996

	YEAR											TOTAL
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	
SEROTYPE												
FYRIS	1	4	3	2	3	1					2	16
GALIEMA			1	1		3						5
GALIL										1		1
GALLINARUM		1		1	1	1					2	6
GAMBIA										1		1
GAMINARA	23	44	41	43	41	50	38	37	38	45	44	444
GARBA						1					1	2
GAROLI						1		1				2
GATESHEAD								3				3
GATINEAU	2											2
GATOW		2	3	1	2	1	2	1		1		13
GATUNI	4	2	7	4	6	3	2	6	3	1	2	40
GEORGIA		1			2				1	2		6
GERA						1	1					2
GIVE	68	98	82	86	94	143	123	101	95	101	114	1105
GLIDJI											1	1
GLOSTRUP	19	15	14	16	26	17	78	42	13	31	13	284
GLOUCESTER								2	3	2	2	9
GODESBERG					1			1		1	1	4
GOETTINGEN		1	1		1	2	2	1				8
GOLDCOAST					1					1		2

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1986-1996

	YEAR											
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	TOTAL
SEROTYPE												
GOMBE					1							1
GOODWOOD					1							1
GROUP 51							1				1	2
GROUP 52											2	2
GROUP 53									2	1	5	8
GROUP 54										1		1
GROUP 56											3	3
GROUP 58								3		3		6
GROUP 59								1	2			3
GROUP 60									3	2	6	11
GROUP 61							2	9	11	17	17	56
GROUP 64								1				1
GROUP 65									1	2	2	5
GROUP A	2	9	3	4	13	6	1	1	7	4	3	53
GROUP B	566	508	624	434	495	370	475	539	563	601	582	5757
GROUP C1	101	134	200	151	168	112	124	110	137	108	123	1468
GROUP C2	111	96	150	116	99	60	107	163	201	111	108	1322
GROUP D1	224	183	221	211	209	155	202	280	257	182	186	2310
GROUP D2					1		1			1	3	6
GROUP E1	12	13	13	18	20	13	13	7	29	20	21	179
GROUP E2				1		1					2	4

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1986-1996

	YEAR											TOTAL
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	
SEROTYPE												
GROUP E3	1											1
GROUP E4	1		1	3	2	1	2	2	3	2	3	20
GROUP F	2		1	1		2	7	2	8	3	5	31
GROUP G	4	13	52	23	17	9	7	22	34	73	42	296
GROUP G4		1										1
GROUP H	1	1	10	2	1	2	1	3	2	2	4	29
GROUP I			2		1	2	3	2	12	5	6	33
GROUP J								2		1	1	4
GROUP K	1		1			2	6	1	2	3	5	21
GROUP L							1		3	2		6
GROUP N							1	1			1	3
GROUP O	1		2	1	1	2			3	2	3	15
GROUP P			1			1		11	4	4	1	22
GROUP Q										1		1
GROUP R	1						4	2	1	2	3	13
GROUP S								3	5	5	5	18
GROUP T											1	1
GROUP U								2	2	3	4	11
GROUP V		1	1				2	1	6	15	26	52
GROUP W							2	13	24	15	21	75
GROUP X							2	1	1	1	10	15

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1986-1996

	YEAR											TOTAL
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	
SEROTYPE												
GROUP Y							6	14	14	15	15	64
GROUP Z							5	16	18	18	16	73
GRUMPENSIS	1	2	1	1	2	1		3	1	3		15
GUARAPIRANGA					1							1
GUINEA											1	1
HAARDT	96	146	77	75	49	22	10	13	10	16	6	520
HADAR	1582	2233	2442	2007	1837	1970	1532	1298	1001	812	658	17372
HADDON										1		1
HAELSINGBORG							1	1				2
HAGENBECK							2			1	1	4
HAIFA	3	1	4	3	8	4	2	4	2	2	3	36
HALMSTAD					1		1		3		1	6
HAMBURG	2	11	56	16	7	2				4		98
HANDEN	1										1	2
HARRISONBURG					1							1
HARTFORD	64	55	58	49	56	130	71	100	90	164	89	926
HATO		6	2	2	15				1	1		27
HAVANA	71	249	68	80	57	56	49	53	38	57	59	837
HEERLEN									1			1
HEIDELBERG	5841	6017	5167	4722	3955	2972	2528	2457	1825	2095	1998	39577
HEILBRON							3	1				4

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1986-1996

	YEAR											TOTAL
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	
SEROTYPE												
HERSTON		1					1	1				3
HIDALGO	1			2				1	1			5
HIDUDDIFY	1	2				4			1			8
HILLINGDON											1	1
HINDMARSH		4			3	1	1	1		2	1	13
HISSAR			1									1
HOLCOMB					2	1					1	4
HOMOSASSA											1	1
HORSHAM	2	2	1		1	1	1				2	10
HOUTEN	3	2	3	4	3	2	5	3	7	3	21	56
HULL	1				1			1	1	3		7
HVITTINGFOSS	9	17	11	10	10	11	22	20	14	15	44	183
HYDRA					1							1
IBADAN	8	12	14	7	19	21	20	13	24	46	33	217
IDIKAN						5	6	6	2		11	30
ILLINOIS				1		1					1	3
ILUGUN											3	3
IMO											1	1
INCHPARK									1			1
INDIA						1	1				1	3
INDIANA	76	71	94	78	48	36	24	18	25	24	28	522

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1986-1996

	YEAR											TOTAL
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	
SEROTYPE												
INFANTIS	1176	1193	1003	908	753	580	499	568	520	521	503	8224
INGANDA	1	3	1				1					6
INPRAW							1					1
INVERNESS	12	36	17	25	16	15	32	20	21	37	20	251
IPSWICH						1				1	1	3
IRCHEL										1		1
IRUMU	1	8	2	6	2	1	7	39	45	31	18	160
ISANGI			2	5	1	2				3	1	14
ISLINGTON									1			1
ISRAEL							1					1
ISTANBUL	27	37	29	26	21	5	13	12	7	10	9	196
ITAMI			2	2		2			1		1	8
ITURI	2						1	5	2	4	2	16
JACKSONVILLE				3								3
JAFFNA								1	2			3
JAMAICA	1	4				2	2	1	2	6		18
JANGWANI		1	1			5	2	6	3	10	7	35
JAVA	108	149	205	193	120	148	156	176	172	268	289	1984
JAVIANA	428	491	424	578	703	786	648	641	540	758	749	6746
JEDBURGH							1					1
JERICHO					1							1

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1986-1996

	YEAR											TOTAL
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	
SEROTYPE												
JERUSALEM			1		1		1					3
JOAL											1	1
JOHANNESBURG	48	83	92	61	78	108	53	63	48	74	44	752
JUKESTOWN							1					1
KAAPSTAD	2	2			4	8	3				1	20
KADUNA								1	1			2
KALAMU							1					1
KAMPALA					1							1
KANIFING				1		5		3				9
KAOLACK											1	1
KEDOUGOU						1				4		5
KENTUCKY	42	66	61	56	47	46	31	46	42	80	78	595
KIAMBU	6	11		13	21	11	4	7	6	14	17	110
KIBI								1				1
KIBUSI		1			1						3	5
KILWA									11	4	2	17
KIMBERLEY					1							1
KIMUENZA						3			2			5
KINGABWA							1	1	1	1		4
KINGSTON	1	2	3	2		4	1	1	1			15
KINONDONI							1				1	2

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1986-1996

	YEAR											TOTAL
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	
SEROTYPE												
KINSHASA			2	1					2	4	7	16
KINTAMBO	1	1		2	3	1	2	17	19	21	19	86
KISANGANI				1			1			2		4
KISARAWE								1				1
KISII						1						1
KITENGE										1		1
KODJOVI						2			1			3
KOESSEN											1	1
KOKETIME		1	1								1	3
KOKOMLEMLE				5	2	2	1	2	2	2	2	18
KONSTANZ					1							1
KORTRIJK						1						1
KOTTBUS	73	40	23	7	18	21	42	27	22	49	9	331
KPEME								1				1
KRALENDYK					1	4	5	5	3	10	15	43
KREFELD	4	4	5	2	1	1	1	9	3	3	2	35
KUA							1	1	1	2	1	6
KUILSRIVIER					2							2
KUMASI									1			1
KURU									1			1
LABADI							1		1	2		4

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1986-1996

	YEAR											TOTAL
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	
SEROTYPE												
LAGOS			1	3			3	1	1	2	1	12
LANDWASSER								1				1
LANGENSALZA											1	1
LANKA	13	7	7	8	6		1	1	3			46
LANSING			1		1			1				3
LAROCHELLE	2	1	3	5	2	5	2	3	4	4	4	35
LAWNDALE		1	1					1			1	4
LAWRA							1					1
LEOBEN							1					1
LEOPOLDVILLE					1							1
LEXINGTON	5	2	4	2	5	1	3	5	3	1	2	33
LICHTENBERG							1					1
LILLE	3	6	1	1	4	2	4	3	1			25
LIMBE								1		1		2
LIMETE						1	1				1	3
LINDENBURG	13	14	17	12	12	12	8	11	6	9	5	119
LINDI											1	1
LISHABI		1										1
LITCHFIELD	145	178	172	117	80	94	92	116	93	115	158	1360
LIVERPOOL			1	2	3	6	6	1		2	3	24
LIVINGSTONE	38	54	34	52	35	22	27	12	16	13	18	321

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1986-1996

	YEAR											
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	TOTAL
SEROTYPE												
LOANDA		4				7	3	3				17
LOCKLEAZE							1		3	2		6
LOHBRUEGGE				1						2	4	7
LOMALINDA	3	12	8	8	5	6	10	14	15	15	24	120
LOME								1	2		2	5
LOMITA	8	4	2	5	5	3	1	5	1	2	5	41
LOMNAVA						2						2
LONDON	56	61	60	52	40	19	21	14	15	36	23	397
LOSANGELES		1									1	2
LOUBOMO		1										1
LOVELACE									1			1
LUCIANA	3	3			4	2	1		4		1	18
LUKE									2			2
MAARSSEN								1				1
MAASTRICHT	1											1
MADELIA	8	4	5	5	12	8	10	3	5	8	21	89
MAKUMIRA									1			1
MALAKAL	1											1
MALSTATT				1							2	3
MAMPEZA											1	1
MANCHESTER	2	4		2	1							9

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1986-1996

	YEAR											TOTAL
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	
SEROTYPE												
MANGO						1						1
MANHATTAN	125	74	106	69	50	36	49	130	92	72	101	904
MANILA				1	1				1			3
MAPO							1	1		1		3
MARACAIBO			1	2								3
MARICOPA							1					1
MARINA	7		3	2	5	10	17	30	53	75	81	283
MARSEILLE		1										1
MATADI					1	2		6	20	10	27	66
MBANDAKA	174	209	262	190	135	206	130	167	118	154	223	1968
MELEAGRIDIS	12	15	10	6	18	25	8	15	12	30	207	358
MEMPHIS		1				1		2			1	5
MENDEN		1			1							2
MENDOZA	1		1			1	1		1			5
MENHADEN	2	6	8	2	4	1	5		2	5	14	49
MENSTON						2	2					4
MGULANI											2	2
MIAMI	52	49	21	41	28	115	70	98	126	74	52	726
MICHIGAN		1		1	1	1			3	8	1	16
MIDWAY						1	1					2
MIKAWASIMA	1	2	2	5	8	2	7	2	1	7		37

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1986-1996

	YEAR											TOTAL
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	
SEROTYPE												
MINNEAPOLIS	1	6	5	18	6	7	4	1			1	49
MINNESOTA	20	11	13	12	22	21	19	28	13	36	28	223
MISSION		1	2						1			4
MISSISSIPPI	152	166	114	136	175	170	137	156	152	199	180	1737
MJIMWEMA		1										1
MOERO										2		2
MOLADE	2	1	5		1	1	1	1	1			13
MONO									1	1		2
MONS					2	1					2	5
MONSCHAUI		2	3	5	6	2	9	8	9	9	11	64
MONTEVIDEO	805	1074	788	794	928	868	559	789	631	685	1227	9148
MOREHEAD							1	1	1	2		5
MOROTAI					1							1
MOSCOW					2	1	15				1	19
MOUNTPLEASANT										1		1
MOWANJUM									1		2	3
MPOUTO									1			1
MUENCHEN	711	566	511	451	464	506	449	657	559	754	595	6223
MUENSTER	103	87	65	51	86	68	47	69	100	87	96	859
MUNDSBURG						1						1
NACHSHONIM											1	1

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1986-1996

	YEAR											TOTAL
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	
SEROTYPE												
NAESTVED		1										1
NAGOYA									1			1
NAMIBIA					1						1	2
NANCY		1										1
NAPOLI	1					1					1	3
NARASHINO								1		1	1	3
NCHANGA	1		1									2
NDOLO								1				1
NEGEV									1	1		2
NEUDORF		1						1				2
NEWBRUNSWICK	16	7	11	17	22	8	8	5	3	20	22	139
NEWHAW	1		2	2						4	1	10
NEWINGTON	17	18	12	21	14	26	25	15	13	17	16	194
NEWLANDS											1	1
NEWMEXICO	2	9		2	1		1	3	2			20
NEWPORT	2660	3214	2901	2111	1802	1818	1481	1487	1673	2566	1985	23698
NEWROCHELLE		1								2	1	4
NEWYORK											3	3
NGILI									1			1
NIAKHAR		1					1					2
NIENSTEDTEN		3	1	1		3		1	2			11

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1986-1996

	YEAR											TOTAL
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	
SEROTYPE												
NIGERIA			1								1	2
NIMA	8	1			1				1	1	4	16
NITRA				1							3	4
NOLA											1	1
NOORDHOEK										1		1
NORWICH	46	49	49	49	58	32	41	59	98	51	52	584
NOTTINGHAM		1				2	1	1	3	3	3	14
OAKLAND	1		1	2	3	2	2	3	4	1	4	23
OBOGU		3										3
OCHIOGU								1				1
OCHSENZOLL									1			1
OERLIKON									1			1
OFFA		1					2	1				4
OHIO	262	267	281	153	166	132	161	132	101	105	67	1827
OKATIE								1		1	1	3
OLDENBURG			1					1				2
ONARIMON			1									1
ONDERSTEPOORT			2	1						1	2	6
ONIREKE					1				1	1		3
ONTARIO								2				2
ORANIENBURG	509	517	632	572	501	655	597	522	602	595	690	6392

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1986-1996

	YEAR											TOTAL
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	
SEROTYPE												
ORDONEZ			1									1
ORIENTALIS		1								2	6	9
ORION	6	6	2	5	1		4	3	1	1	6	35
ORITAMERIN	1		1		1	3	1					7
OSLO	18	20	24	8	16	11	14	19	14	13	31	188
OTHMARSCHEN			1	4		6			4	2	6	23
OUAKAM		2		1			2	7	2	4		18
OUDWIJK	1											1
OVERSCHIE								1		3	4	8
OYONNAX						1						1
PAKISTAN		3	4	5	1	2		1			2	18
PANAMA	254	195	264	266	304	236	185	173	163	173	148	2361
PAPUANA	1						1			1		3
PARATYPHI A	55	66	86	69	69	76	80	53	79	86	86	805
PARATYPHI B	108	67	126	114	89	101	110	208	228	241	298	1690
PARATYPHI C	4	2	2	5	2	1	2	1	2	2	1	24
PARERA	1		1				2	2	4	7	7	24
PARIS					1							1
PATIENCE											1	1
PENSACOLA	2	2	6	4	4	7		8	3	11	4	51
PHARR					1	1						2

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1986-1996

	YEAR											TOTAL
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	
SEROTYPE												
PHOENIX	2	2	1	8	5	1		8	3	9	9	48
PLYMOUTH	1					1	1			1	1	5
POANO	1						1	2	6	2	5	17
POMONA	5		2	6	4	10	9	7	6	23	29	101
POONA	85	108	124	199	126	788	218	295	376	531	415	3265
PORTLAND		3	1	1	1			2				8
PORTSMOUTH	3	1		2	6	1	1	1	3	1	1	20
POTSDAM	7	5	10	14	6	7	8	8	6	5	3	79
PRAHA			1			3	2	1	3	1		11
PRESTON		1				1		1				3
PULLORUM			1	1	1							3
PUTTEN		2	1		1	4	1	1	1	8	6	25
QUIMBAMBA										3		3
QUINIELA				1	1	1	1		2			6
RAMATGAN				1					1			2
RAUS	3	8			1	2	2		1	2	3	22
READING	76	118	128	231	397	396	430	363	257	197	131	2724
REDLANDS						1	1				1	3
REGENT										2		2
REMO		2	3	1				2		1	2	11
RHODESIENSE				1	2							3

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1986-1996

	YEAR											
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	TOTAL
SEROTYPE												
RHONE					1							1
RICHMOND	4	3	1	6	4	6	4	4	3	7	6	48
RIED			1									1
RIOGRANDE	1		1	1		1	1			1		6
RISSEN	1		3				4	6	10	4	5	33
ROMANBY								1		5	5	11
ROODEPOORT		2										2
ROSTOCK				2							1	3
ROTERBERG				2				1	1	1	2	7
ROVANIEMI						1						1
RUBISLAW	55	46	50	58	65	83	67	58	77	83	71	713
RUIRU			1				1					2
SADA						1						1
SAINTPAUL	597	521	650	509	558	439	529	380	479	467	562	5691
SAKA		3					3					6
SALINATIS	4	2	3	3		2	2		1	3	3	23
SANDIEGO	86	73	95	71	88	105	100	92	82	117	56	965
SANDOW							3	1	2			6
SANGALKAM				1		1						2
SANGERA		1							2	1		4
SANJUAN	1			2	1							4

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1986-1996

	YEAR											TOTAL
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	
SEROTYPE												
SANTIAGO							2			1	1	4
SAO											1	1
SAPHRA	13	23	8	15	8	10	7	1	6	11	11	113
SCHLEISSHEIM		1	1	5	2	3	3		1	5	9	30
SCHWARZENGRUND	121	156	136	137	110	108	145	169	167	162	157	1568
SCHWERIN											1	1
SELANDIA			1				1					2
SEMINOLE										1		1
SENDAI		1						3		1		5
SENEGAL					1							1
SENFTENBERG	188	200	154	119	131	140	150	126	130	91	167	1596
SEREMBAN	1		1					2			1	5
SETUBAL											1	1
SHANGANI											1	1
SHARON										1		1
SHIPLEY		1			2							3
SHOMRON											1	1
SHUBRA	2	3	1		6	5	2	3	3	9	2	36
SIEGBURG	12	21	2									35
SIMI										2		2
SIMSBURY							1					1

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1986-1996

	YEAR											TOTAL
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	
SEROTYPE												
SINGAPORE	8	8	18	10	4	5	6	4	4	4	12	83
SINSTORF			1	1	2	1	1	2	1	9	4	22
SKANSEN	1			1						1		3
SOAHANINA					2		1	1	1	1		6
SOERENGA								2	1		6	9
SOESTERBERG		1	1					1				3
SOMONE				1		2		1	1		5	10
SOUMBEDIOUNE									4			4
SOUTHAMPTON			1				1					2
SOUTHBANK											1	1
STACHUS											1	1
STANLEY	64	52	58	93	109	131	136	143	217	481	200	1684
STANLEYVILLE	1	7	13	12	13	7	13	5	5	51	26	153
STELLINGEN									1	2		3
STENDAL										1		1
STERRENBOS									1	1		2
STEVENAGE					1							1
STIKLAND									1			1
STRASBOURG											1	1
STRATFORD	1											1
SUBSPECIES I					1		4	2	23	26	32	88

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1986-1996

	YEAR											TOTAL
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	
SEROTYPE												
SUBSPECIES II				2	1	12	5	10	9	7	22	68
SUBSPECIES III										1	3	4
SUBSPECIES IIIA	34	38	11	9	9	2	4	5	21	20	11	164
SUBSPECIES IIIA/IIIB	80	60	71	53	88	47	58	33	60	37	28	615
SUBSPECIES IIIB		25	12	6	15	16	9	19	21	26	13	162
SUBSPECIES IV					4	7	6	5	13	31	21	87
SUBSPECIES V									1	1		2
SUBSPECIES VI										1	1	2
SUNDSVALL	2	3	3	1	3	2	3	3	5	17	25	67
SUNNYCOVE							1					1
SYDNEY										1	4	5
TAKORADI	1		2		1	3	2	2		1	4	16
TAKSONY	3	2		1		1		2			5	14
TALLAHASSEE	1	3	4	1	5	6	3	8	2	6	5	44
TAMALE									1		2	3
TAMBACOUNDA								2		3		5
TAMBERMA								1				1
TANANARIVE										1		1
TANGER										1		1
TARSHYNE				2								2
TEDDINGTON					1	1						2

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1986-1996

	YEAR											TOTAL
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	
SEROTYPE												
TELAVIV										1		1
TELELKEBIR	1		1	6	2	1	5	5	8	4	13	46
TENNESSEE	62	71	236	295	158	113	98	133	156	112	96	1530
TEXAS	2	1	1								1	5
THIELALLEE	2	1		1								4
THOMASVILLE		3	2	1			4	1	2	1	1	15
THOMPSON	566	655	952	925	750	716	690	576	549	625	586	7590
TILENE									1	4	7	12
TOKOIN							1			3		4
TOUCRA									2	3	3	8
TRACHAU							1					1
TRAVIS				2								2
TRIPOLI		1										1
TRURO						1						1
TSEVIE			1		1				1	1	1	5
TSHIONGWE	1	1	1	2	2	6	2	2	3	2	4	26
TUCSON		1		3	2		1	1	2	2	1	13
TUDU					1							1
TUEBINGEN	1											1
TUINDORP			1		2			2		1	1	7
TYGERBERG								1		2	1	4

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1986-1996

	YEAR											TOTAL
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	
SEROTYPE												
TYPHI	541	502	496	544	579	500	449	472	507	442	440	5472
TYPHIMURIUM	11027	10555	9716	8630	8510	8780	7720	8436	7972	9147	9002	99495
TYPHIMURIUM VAR COPE	172	164	183	276	307	215	230	307	393	555	499	3301
TYPHISUIS				1								1
TYRESOE				1							1	2
UCCLE											1	1
UGANDA	12	15	21	14	11	21	23	29	19	28	63	256
UGHELLI			1									1
UMBILO			1	1								2
UNKNOWN	1901	1526	2246	2365	2566	2947	2136	1649	1469	952	673	20430
UPHILL											1	1
UPPSALA	1		2	1						1	1	6
URBANA	5	20	26	15	18	15	26	52	63	72	60	372
UZARAMO				1	1		3	1	1	5		12
VALDOSTA						1						1
VANCOUVER								1	3	1		5
VEJLE	2			3	1	1				2		9
VICTORIA						1	1		3	1	3	9
VIETNAM										1		1
VILVOORDE										1	2	3
VIRCHOW	60	116	93	96	97	64	72	57	54	60	67	836

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1986-1996

	YEAR											TOTAL
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	
SEROTYPE												
VIRGINIA	17	42	20	28	14	5		2		7	7	142
VOLKSDORF								1	1		2	4
VOLKSMARSDORF				1								1
VRIDI										1		1
WA											1	1
WANDSWORTH	1	1	4	2	1	2	4	1	5	14	6	41
WANGATA	1			1	1	1	2	1	1	1		9
WARAL									1	1		2
WASHINGTON									1	2	1	4
WASSENAAR	1	4	2	1	3	3	11	16	19	28	18	106
WAYCROSS	2	2	1		1	2	4	3	2		4	21
WAYNE					1					2	1	4
WELIKADE				1					1			2
WELTEVREDEN	82	105	98	89	65	71	68	98	86	89	86	937
WENTWORTH		1			1			1				3
WERNIGERODE			1									1
WESLACO	2	1	2			1			1	1		8
WESTERSTEDE		1										1
WESTHAMPTON	1	2	1	2		5		1	2	3	6	23
WESTON	3	1				1						5
WESTPHALIA									1			1

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1986-1996

	YEAR											TOTAL
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	
SEROTYPE												
WICHITA									1			1
WIDEMARSH			2		3	1					3	9
WIEN		1				2	3	4	3	1		14
WIL											1	1
WILLEMSTAD					1			1		1		3
WIPPRA	1	1				1			2			5
WISBECH											2	2
WORTHINGTON	57	61	80	76	66	61	56	41	44	50	58	650
YABA			1									1
YARRABAH											1	1
YEERONGPILLY											1	1
YOVOKOME		3	1									4
ZAIMAN										1		1
ZANZIBAR	1		1			1		1	3	2	2	11
ZERIFIN					1							1
ZONGO						1						1
TOTAL	43530	46359	45410	43321	42338	40443	34688	36917	37522	41222	39035	450785

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE						
	Connecticut	Maine	Massachusetts	New Hampshire	Rhode Island	Vermont	TOTAL
SEROTYPE							
ABAETETUBA	1	.	4	.	.	.	5
ABONY	.	.	.	1	.	.	1
ADELAIDE	.	.	6	.	2	.	8
AGONA	3	.	26	.	6	1	36
ALACHUA	.	.	5	.	.	.	5
ALBANY	.	.	1	.	.	.	1
ANATUM	6	.	15	1	1	2	25
ARECHAVALETA	.	.	1	.	.	.	1
BAHATI	.	.	.	.	1	.	1
BAREILLY	.	.	.	.	1	.	1
BENIN	.	.	1	.	.	.	1
BERTA	2	1	5	.	.	1	9
BLOCKLEY	.	2	.	.	.	.	2
BOVISMORBIFICANS	.	1	4	.	.	.	5
BRAENDERUP	6	1	12	1	2	.	22
BRANDENBURG	2	1	6	1	.	.	10
BREDENEY	.	.	5	.	.	.	5
BRIKAMA	.	.	1	.	.	.	1
CERRO	.	.	2	.	1	1	4
CHAILEY	1	.	.	.	.	.	1

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE						
	Connecticut	Maine	Massachusetts	New Hampshire	Rhode Island	Vermont	TOTAL
SEROTYPE							
CHAMELEON	.	.	.	.	1	.	1
CHESTER	.	.	1	.	.	.	1
CHOLERAESUIS	.	.	4	.	.	.	4
COELN	.	.	1	.	.	.	1
COLORADO	.	.	.	1	.	.	1
CUBANA	1	.	3	.	.	.	4
DERBY	.	.	3	.	.	.	3
DUBLIN	1	.	6	.	.	.	7
DUESSELDORF	.	.	2	.	.	.	2
EALING	.	.	4	.	.	.	4
EMEK	.	.	1	.	.	.	1
ENTERITIDIS	163	25	571	29	45	20	853
FLINT	.	.	5	.	.	.	5
FLORIDA	.	.	2	.	.	.	2
GAMINARA	.	.	1	.	.	.	1
GIVE	.	.	3	1	.	.	4
GLIDJI	.	.	1	.	.	.	1
GLOSTRUP	.	.	2	.	.	.	2
GLOUCESTER	.	.	.	.	2	.	2
GROUP 65	1	.	.	.	.	.	1

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE						
	Connecticut	Maine	Massachusetts	New Hampshire	Rhode Island	Vermont	TOTAL
SEROTYPE							
GROUP B	2	3	47	.	2	6	60
GROUP C1	1	.	6	.	.	.	7
GROUP C2	.	.	.	.	.	1	1
GROUP D1	3	.	3	.	.	.	6
GROUP E1	.	1	.	.	.	.	1
GROUP U	.	.	1	.	.	.	1
GROUP V	.	.	3	.	.	.	3
GROUP W	.	.	2	.	.	.	2
GROUP Z	1	.	.	.	.	.	1
HADAR	11	1	57	4	5	1	79
HAGENBECK	.	.	1	.	.	.	1
HARTFORD	2	.	1	.	.	1	4
HAVANA	.	.	.	1	.	.	1
HEIDELBERG	18	14	117	11	11	5	176
HVITTINGFOSS	.	.	5	.	.	.	5
IBADAN	1	.	.	.	.	.	1
IDIKAN	.	.	1	.	.	.	1
INDIANA	1	.	2	.	.	.	3
INFANTIS	6	5	28	2	6	1	48
INVERNESS	.	.	.	.	1	.	1

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE						
	Connecticut	Maine	Massachusetts	New Hampshire	Rhode Island	Vermont	TOTAL
SEROTYPE							
IRUMU	.	.	2	.	.	.	2
ITURI	.	.	1	.	.	.	1
JAVA	4	1	.	.	3	2	10
JAVIANA	3	4	91	4	1	.	103
JOHANNESBURG	.	.	2	.	.	.	2
KENTUCKY	.	2	5	.	.	.	7
KIAMBU	.	.	1	.	1	.	2
KINSHASA	.	.	4	.	1	.	5
KOTTBUS	.	.	1	.	.	.	1
KRALENDYK	.	.	3	.	.	.	3
LITCHFIELD	6	.	10	.	.	.	16
LIVERPOOL	.	.	1	.	.	.	1
MADELIA	.	.	1	.	.	.	1
MANHATTAN	1	.	5	1	.	1	8
MARINA	1	.	2	.	3	.	6
MBANDAKA	8	.	6	.	2	.	16
MELEAGRIDIS	.	.	2	.	.	.	2
MIAMI	1	.	1	.	.	.	2
MINNESOTA	.	.	2	.	.	.	2
MISSISSIPPI	.	1	2	.	.	.	3

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE						
	Connecticut	Maine	Massachusetts	New Hampshire	Rhode Island	Vermont	TOTAL
SEROTYPE							
MONS	.	.	1	.	.	.	1
MONSCHAUI	.	.	1	.	.	.	1
MONTEVIDEO	8	2	24	.	2	.	36
MUENCHEN	6	.	32	5	6	.	49
MUENSTER	1	1	9	1	.	.	12
NEWBRUNSWICK	.	.	5	.	1	.	6
NEWINGTON	.	.	1	.	.	.	1
NEWPORT	6	8	57	8	6	3	88
NIGERIA	.	.	.	.	1	.	1
NORWICH	.	1	1	.	.	.	2
OHIO	.	.	5	.	.	.	5
ORANIENBURG	6	1	26	3	3	1	40
ORION	.	.	.	.	.	2	2
OSLO	1	.	.	.	.	.	1
PANAMA	1	.	7	.	1	.	9
PARATYPHI A	1	.	4	.	1	.	6
PARATYPHI B	7	.	40	2	.	.	49
POANO	.	.	1	.	1	.	2
POMONA	.	.	1	.	.	.	1
POONA	4	1	20	.	3	.	28

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE						
	Connecticut	Maine	Massachusetts	New Hampshire	Rhode Island	Vermont	TOTAL
SEROTYPE							
PORTSMOUTH	.	.	.	.	1	.	1
READING	.	.	22	.	.	.	22
REMO	.	.	.	.	1	.	1
RICHMOND	.	.	.	1	.	.	1
RUBISLAW	.	1	.	.	.	.	1
SAINTPAUL	6	.	41	1	2	.	50
SANDIEGO	1	.	1	2	.	1	5
SCHWARZENGRUND	2	.	11	2	1	1	17
SENFTENBERG	.	.	3	.	2	.	5
SHUBRA	.	.	1	1	.	.	2
SINGAPORE	.	.	1	.	.	.	1
SINSTORF	.	.	.	.	.	1	1
STANLEY	2	.	2	.	.	.	4
STANLEYVILLE	.	.	2	.	1	.	3
SUBSPECIES I	.	.	3	.	.	.	3
SUBSPECIES IIIB	.	.	.	.	2	.	2
SUNDSVALL	.	1	.	.	.	.	1
TALLAHASSEE	.	.	1	.	1	.	2
TENNESSEE	.	.	6	.	.	.	6
THOMPSON	12	3	34	14	9	2	74

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE						
	Connecticut	Maine	Massachusetts	New Hampshire	Rhode Island	Vermont	TOTAL
SEROTYPE							
TYPHI	5	.	19	1	.	.	25
TYPHIMURIUM	115	51	327	53	60	45	651
TYPHIMURIUM VAR COPE	.	4	115	.	.	.	119
UGANDA	.	.	2	.	.	.	2
UNKNOWN	.	1	5	2	.	3	11
URBANA	1	.	.	.	.	.	1
VIRCHOW	.	.	5	1	1	.	7
VOLKSDORF	.	.	1	.	.	.	1
WASSENAAR	.	.	1	.	.	.	1
WAYCROSS	.	.	1	.	.	.	1
WELTEVREDEN	.	.	1	.	.	.	1
WIDEMARSH	.	.	1	.	.	.	1
WORTHINGTON	.	.	2	.	.	.	2
TOTAL	442	138	1963	155	204	102	3004

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE			
	New Jersey	New York	Pennsylvania	TOTAL
SEROTYPE				
AARHUS	1	2	.	3
ABAETETUBA	.	2	1	3
ABERDEEN	.	1	.	1
ABONY	.	1	.	1
ACRES	.	1	.	1
ADELAIDE	8	28	2	38
AFLAO	.	1	.	1
AGONA	11	41	34	86
ALACHUA	4	5	2	11
ALBANY	3	.	.	3
ALBERT	.	1	.	1
ANATUM	8	14	19	41
ANECHO	.	1	.	1
ANTSALOVA	.	.	1	1
ARECHAVALETA	.	1	.	1
BARDO	1	19	.	20
BAREILLY	1	5	1	7
BERTA	6	15	7	28
BISPEBJERG	.	1	.	1
BLOCKLEY	4	11	1	16

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE			
	New Jersey	New York	Pennsylvania	TOTAL
SEROTYPE				
BONAIRE	.	.	1	1
BOVISMORBIFICANS	1	1	.	2
BRADFORD	.	1	.	1
BRAENDERUP	10	32	18	60
BRANDENBURG	1	12	10	23
BREDENEY	2	7	1	10
BRON	1	.	.	1
CARRAU	.	2	.	2
CERRO	.	3	2	5
CHAMELEON	.	.	1	1
CHESTER	1	9	1	11
CHOLERAESUIS	.	2	6	8
CHOLERAESUIS VAR KUN	5	.	.	5
COELN	.	1	.	1
COLINDALE	2	1	.	3
CORVALLIS	1	.	.	1
CUBANA	1	1	.	2
DAYTONA	.	2	.	2
DERBY	3	14	1	18

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE			TOTAL
	New Jersey	New York	Pennsylvania	
SEROTYPE				
DIGUEL	2	2	.	4
DUBLIN	1	3	1	5
DURBAN	.	1	.	1
EALING	.	1	.	1
ENTEBBE	.	6	.	6
ENTERITIDIS	468	1183	814	2465
ESSEN	.	1	.	1
FARMSEN	.	.	1	1
FLINT	.	1	1	2
FRINTROP	.	1	.	1
GAMINARA	1	2	2	5
GATUNI	.	1	1	2
GIVE	1	5	2	8
GLOSTRUP	.	1	.	1
GROUP 61	1	1	.	2
GROUP B	10	7	.	17
GROUP C1	1	.	.	1
GROUP C2	1	.	.	1
GROUP D1	.	.	1	1
GROUP V	.	.	1	1

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE			
	New Jersey	New York	Pennsylvania	TOTAL
SEROTYPE				
GROUP W	1	.	1	2
GROUP X	1	.	1	2
GROUP Z	1	.	.	1
HAARDT	2	.	.	2
HADAR	50	129	31	210
HARTFORD	.	12	1	13
HAVANA	.	4	2	6
HEIDELBERG	52	212	72	336
HOLCOMB	.	.	1	1
HVITTINGFOSS	1	5	2	8
IBADAN	2	3	.	5
IDIKAN	.	3	.	3
IMO	.	1	.	1
INDIANA	1	4	.	5
INFANTIS	10	45	12	67
INVERNESS	.	4	.	4
JANGWANI	2	.	2	4
JAVA	5	1	26	32
JAVIANA	9	15	6	30
JOHANNESBURG	.	6	6	12

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

REGION=Mid Atlantic

	STATE			
	New Jersey	New York	Pennsylvania	TOTAL
SEROTYPE				
KAAPSTAD	.	.	1	1
KAOLACK	.	.	1	1
KENTUCKY	1	20	3	24
KIAMBU	1	1	.	2
KIBUSI	3	.	.	3
KINONDONI	.	.	1	1
KINSHASA	.	.	1	1
KINTAMBO	2	.	4	6
KOKOMLEMLE	1	.	.	1
KOTTBUS	.	1	1	2
KRALENDYK	1	.	1	2
KUA	.	.	1	1
LANGENSALZA	.	1	.	1
LIMETE	.	.	1	1
LINDENBURG	.	2	.	2
LITCHFIELD	5	31	4	40
LIVERPOOL	.	2	.	2
LIVINGSTONE	2	.	.	2
LOHBRUEGGE	.	2	.	2
LOMALINDA	.	1	1	2

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

REGION=Mid Atlantic

	STATE			
	New Jersey	New York	Pennsylvania	TOTAL
SEROTYPE				
LONDON	.	1	3	4
MADELIA	1	11	.	12
MALSTATT	.	2	.	2
MAMPEZA	.	.	1	1
MANHATTAN	6	10	5	21
MARINA	2	1	4	7
MATADI	.	1	1	2
MBANDAKA	10	13	13	36
MELEAGRIDIS	1	1	.	2
MIAMI	.	5	3	8
MINNESOTA	.	4	.	4
MISSISSIPPI	1	2	6	9
MONSCHAUI	.	.	3	3
MONTEVIDEO	12	58	18	88
MUENCHEN	8	34	19	61
MUENSTER	2	8	12	22
NEWBRUNSWICK	.	1	3	4
NEWINGTON	1	2	.	3
NEWPORT	35	73	58	166
NEWYORK	.	.	2	2

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE			TOTAL
	New Jersey	New York	Pennsylvania	
SEROTYPE				
NITRA	1	2	.	3
NORWICH	1	.	3	4
OAKLAND	.	1	.	1
OHIO	.	7	3	10
OKATIE	.	.	1	1
ONDERSTEPOORT	.	.	1	1
ORANIENBURG	19	27	17	63
ORION	.	1	.	1
OSLO	.	1	3	4
OVERSCHIE	.	1	.	1
PANAMA	3	13	4	20
PARATYPHI A	7	13	2	22
PARATYPHI B	5	21	.	26
PARERA	.	2	.	2
PENSACOLA	.	1	.	1
POMONA	1	4	.	5
POONA	10	22	25	57
PUTTEN	.	.	2	2
READING	11	16	3	30
REMO	.	1	.	1

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

REGION=Mid Atlantic

	STATE			
	New Jersey	New York	Pennsylvania	TOTAL
SEROTYPE				
RISSEN	1	.	1	2
ROMANBY	.	2	1	3
ROTERBERG	.	1	1	2
RUBISLAW	2	3	.	5
SAINTPAUL	10	70	13	93
SANDIEGO	.	1	8	9
SCHWARZENGRUND	3	25	12	40
SENFTENBERG	5	6	6	17
SHANGANI	.	.	1	1
SINGAPORE	.	1	.	1
SOUTHBANK	.	1	.	1
STANLEY	7	13	6	26
STANLEYVILLE	2	19	.	21
STRASBOURG	.	1	.	1
SUBSPECIES I	19	3	.	22
SUBSPECIES II	2	.	.	2
SUBSPECIES IV	1	1	.	2
SUBSPECIES VI	.	1	.	1
SUNDSVALL	.	2	.	2
SYDNEY	1	.	.	1

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

REGION=Mid Atlantic

	STATE			
	New Jersey	New York	Pennsylvania	TOTAL
SEROTYPE				
TAKORADI	1	.	.	1
TAKSONY	.	2	.	2
TELELKEBIR	2	.	.	2
TENNESSEE	1	.	4	5
THOMPSON	17	64	28	109
TILENE	.	1	.	1
TYGERBERG	.	1	.	1
TYPHI	35	96	11	142
TYPHIMURIUM	212	947	430	1589
TYPHIMURIUM VAR COPE	79	.	.	79
UGANDA	1	.	.	1
UNKNOWN	1	81	.	82
UPHILL	.	.	1	1
URBANA	2	10	4	16
VIRCHOW	3	8	2	13
VIRGINIA	.	4	.	4
WANDSWORTH	.	1	1	2
WASHINGTON	1	.	.	1
WASSENAAR	1	1	2	4

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

REGION=Mid Atlantic

	STATE			
	New Jersey	New York	Pennsylvania	TOTAL
SEROTYPE				
WESTHAMPTON	.	2	.	2
WIL	.	.	1	1
WORTHINGTON	2	4	4	10
YARRABAH	.	1	.	1
YEERONGPILLY	.	1	.	1
TOTAL	1262	3693	1868	6823

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE					
	Illinois	Indiana	Michigan	Ohio	Wisconsin	TOTAL
SEROTYPE						
ADELAIDE	2	1	.	4	.	7
AGONA	40	8	20	10	5	83
ALACHUA	.	.	1	.	.	1
ALBANY	2	2	.	.	.	4
ANATUM	14	2	10	14	2	42
ANK	.	.	.	2	.	2
BAILDON	.	3	.	.	.	3
BALL	.	.	1	.	.	1
BANANA	.	.	1	.	.	1
BARDO	.	.	.	.	1	1
BAREILLY	9	2	4	2	2	19
BERTA	10	6	5	8	3	32
BLEGDAM	.	.	.	.	1	1
BLOCKLEY	5	1	1	.	.	7
BONN	.	.	1	.	.	1
BOVISMORBIFICANS	5	4	3	1	.	13
BRAENDERUP	35	6	14	18	10	83
BRANDENBURG	17	4	4	10	5	40
BREDENEY	5	.	.	1	1	7
CARRAU	.	.	.	3	.	3

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE					
	Illinois	Indiana	Michigan	Ohio	Wisconsin	TOTAL
SEROTYPE						
CERRO	1	.	.	1	.	2
CHAMELEON	1	1	1	.	.	3
CHESTER	3	.	1	3	.	7
CHOLERAESUIS	10	.	3	.	.	13
COELN	.	.	.	1	.	1
CUBANA	3	2	5	2	2	14
DERBY	12	1	6	3	2	24
DUBLIN	1	2	7	1	.	11
DURHAM	.	.	.	1	1	2
EALING	2	.	2	4	.	8
EASTBOURNE	2	.	3	.	.	5
EMEK	1	.	.	.	.	1
ENTERITIDIS	475	118	207	347	133	1280
ENUGU	.	.	.	1	.	1
FLINT	1	.	.	1	.	2
GAMINARA	1	.	.	.	1	2
GIVE	6	4	3	.	2	15
GLOSTRUP	.	1	.	.	.	1
GODESBERG	1	.	.	.	.	1
GROUP 53	.	.	1	.	.	1

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE					
	Illinois	Indiana	Michigan	Ohio	Wisconsin	TOTAL
SEROTYPE						
GROUP 60	.	.	.	1	.	1
GROUP 61	1	.	3	1	1	6
GROUP B	29	9	7	13	7	65
GROUP C1	5	8	1	.	.	14
GROUP C2	5	2	2	.	.	9
GROUP D1	8	1	1	2	.	12
GROUP E1	.	.	1	.	.	1
GROUP E2	.	.	.	.	1	1
GROUP E4	1	.	.	.	.	1
GROUP F	.	1	.	.	.	1
GROUP G	.	2	.	.	.	2
GROUP H	.	.	.	1	1	2
GROUP I	.	.	1	.	.	1
GROUP J	.	.	.	1	.	1
GROUP P	.	1	.	.	.	1
GROUP S	.	1	.	2	.	3
GROUP V	1	1	1	4	.	7
GROUP W	.	.	.	1	.	1
GROUP X	.	.	.	1	.	1
GROUP Y	1	.	1	1	.	3

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE					
	Illinois	Indiana	Michigan	Ohio	Wisconsin	TOTAL
SEROTYPE						
GROUP Z	.	1	.	1	.	2
GUINEA	.	.	.	.	1	1
HADAR	41	2	27	40	1	111
HARTFORD	8	3	14	1	2	28
HAVANA	4	2	3	7	1	17
HEIDELBERG	116	38	84	55	18	311
HOUTEN	.	.	.	.	1	1
HVITTINGFOSS	2	.	1	1	.	4
IDIKAN	.	.	.	2	.	2
INFANTIS	34	12	10	9	6	71
INVERNESS	1	.	.	.	.	1
IRUMU	.	.	1	.	.	1
ISANGI	.	.	1	.	.	1
JANGWANI	.	.	.	1	.	1
JAVA	26	21	33	39	5	124
JAVIANA	18	9	9	20	5	61
JOHANNESBURG	3	.	.	3	2	8
KENTUCKY	2	1	1	3	.	7
KINSHASA	1	.	.	.	.	1
KINTAMBO	.	2	.	.	1	3

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE					
	Illinois	Indiana	Michigan	Ohio	Wisconsin	TOTAL
SEROTYPE						
KOKOMLEMLE	.	.	.	1	.	1
KOTTBUS	1	.	1	.	.	2
KRALENDYK	.	.	1	.	.	1
KREFELD	.	.	1	.	.	1
LAGOS	.	.	.	1	.	1
LITCHFIELD	6	4	5	1	1	17
LIVINGSTONE	.	1	.	.	.	1
LOMALINDA	.	.	1	.	.	1
LONDON	2	1	.	.	.	3
MANHATTAN	17	2	1	4	1	25
MARINA	6	.	9	6	.	21
MATADI	2	.	4	6	.	12
MBANDAKA	22	4	10	4	3	43
MELEAGRIDIS	3	.	1	.	1	5
MENHADEN	2	.	.	.	.	2
MIAMI	2	1	3	1	.	7
MINNESOTA	2	.	2	2	.	6
MISSISSIPPI	.	2	.	1	.	3
MONSCHAUI	.	.	1	.	.	1
MONTEVIDEO	17	6	21	21	6	71

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE					
	Illinois	Indiana	Michigan	Ohio	Wisconsin	TOTAL
SEROTYPE						
MOSCOW	.	.	.	.	1	1
MUENCHEN	36	6	14	11	2	69
MUENSTER	2	2	2	5	.	11
NEWBRUNSWICK	.	.	.	.	1	1
NEWPORT	57	15	35	40	24	171
NEWYORK	.	.	.	1	.	1
NIMA	.	.	.	3	.	3
NORWICH	1	.	1	1	1	4
OHIO	4	1	3	2	.	10
ORANIENBURG	31	14	29	27	4	105
ORIENTALIS	.	.	.	6	.	6
ORION	.	.	.	1	.	1
OSLO	3	2	2	.	1	8
OTHMARSCHEN	.	.	.	.	2	2
PAKISTAN	.	.	.	1	1	2
PANAMA	9	1	1	4	4	19
PARATYPHI A	8	1	2	1	.	12
PARATYPHI B	16	.	5	3	.	24
PARERA	.	1	.	.	.	1
POANO	.	.	.	1	.	1

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE					
	Illinois	Indiana	Michigan	Ohio	Wisconsin	TOTAL
SEROTYPE						
POMONA	.	.	.	1	.	1
POONA	14	12	13	29	7	75
PUTTEN	.	.	1	.	.	1
READING	25	1	4	1	4	35
RICHMOND	1	.	.	.	.	1
ROMANBY	.	.	1	.	.	1
RUBISLAW	1	.	.	.	.	1
SAINTPAUL	20	6	17	11	3	57
SANDIEGO	2	1	5	.	.	8
SCHLEISSHEIM	.	.	.	.	2	2
SCHWARZENGRUND	12	2	6	1	.	21
SENFTENBERG	18	.	15	2	3	38
SINGAPORE	1	.	.	1	.	2
SINSTORF	.	.	.	1	.	1
SOMONE	.	.	.	.	5	5
STANLEY	10	1	10	5	7	33
SUBSPECIES I	1	1	.	.	.	2
SUBSPECIES II	.	.	.	.	4	4
SUBSPECIES IIIA	.	.	.	.	1	1

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE					
	Illinois	Indiana	Michigan	Ohio	Wisconsin	TOTAL
SEROTYPE						
SUBSPECIES IIIA/IIIB	.	.	.	.	1	1
SUBSPECIES IIIB	.	.	.	.	1	1
SUBSPECIES IV	.	.	.	.	1	1
SUNDSVALL	1	1	.	1	.	3
SYDNEY	.	.	.	1	.	1
TAKORADI	.	.	.	.	1	1
TELELKEBIR	2	.	3	1	.	6
TENNESSEE	4	.	6	5	4	19
THOMPSON	30	13	31	22	8	104
TILENE	.	1	1	.	.	2
TUINDORP	.	.	1	.	.	1
TYPHI	18	5	12	4	2	41
TYPHIMURIUM	395	144	325	405	167	1436
UGANDA	8	1	5	.	.	14
UNKNOWN	13	5	10	6	.	34
URBANA	3	1	2	2	.	8
VILVOORDE	.	.	.	.	2	2
VIRCHOW	10	2	2	4	.	18
WASSENAAR	1	.	.	1	1	3

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE					
	Illinois	Indiana	Michigan	Ohio	Wisconsin	TOTAL
SEROTYPE						
WAYNE	.	1	.	.	.	1
WELTEVREDEN	4	.	2	1	.	7
WIDEMARSH	.	.	1	.	.	1
WORTHINGTON	2	.	.	3	1	6
ZANZIBAR	.	2	.	.	.	2
TOTAL	1816	549	1134	1311	502	5312

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE							
	Iowa	Kansas	Minnesota	Missouri	Nebraska	North Dakota	South Dakota	TOTAL
SEROTYPE								
ADELAIDE	.	.	4	1	.	.	.	5
AGONA	5	3	16	9	.	4	4	41
ALACHUA	.	1	.	1	.	.	.	2
ALBANY	.	1	2	.	.	1	.	4
ANATUM	2	4	3	5	.	.	.	14
BAREILLY	.	1	.	7	.	.	1	9
BARRANQUILLA	.	1	.	.	.	.	.	1
BENFICA	.	1	.	.	.	.	.	1
BERTA	.	1	2	.	.	.	.	3
BLOCKLEY	1	.	2	1	.	.	1	5
BOVISMORBIFICANS	.	.	1	1	.	.	.	2
BRAENDERUP	3	18	26	56	.	1	.	104
BRANDENBURG	.	.	3	5	.	.	1	9
BREDENEY	1	.	.	.	.	.	.	1
CHOLERAESUIS	1	.	3	1	.	.	.	5
CHOLERAESUIS VAR KUN	1	.	.	.	.	.	.	1
COELN	.	.	.	1	.	.	.	1
DAYTONA	.	.	1	.	.	.	.	1
DERBY	1	.	5	3	.	.	.	9

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE							
	Iowa	Kansas	Minnesota	Missouri	Nebraska	North Dakota	South Dakota	TOTAL
SEROTYPE								
DOEL	.	.	1	.	.	1	.	2
DUBLIN	.	.	2	1	.	.	.	3
DUESSELDORF	1	.	.	.	.	.	.	1
EALING	.	1	3	1	.	.	1	6
EASTBOURNE	.	1	.	.	.	.	.	1
EMEK	.	.	.	1	.	.	.	1
ENTERITIDIS	34	30	127	82	.	9	11	293
ESSEN	.	.	.	.	.	.	1	1
FARMSEN	.	.	1	.	.	.	.	1
GAMINARA	.	1	1	.	.	.	.	2
GIVE	1	1	2	1	.	.	.	5
GROUP 60	.	.	.	1	.	.	.	1
GROUP B	4	12	9	22	22	1	1	71
GROUP C1	.	1	2	.	4	.	.	7
GROUP C2	.	.	2	.	.	.	.	2
GROUP D1	.	.	1	1	6	.	.	8
GROUP D2	.	.	.	.	.	1	.	1
GROUP E1	.	.	1	.	1	.	.	2
GROUP G	.	.	7	.	.	.	.	7
GROUP I	.	1	.	.	.	.	.	1

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE							
	Iowa	Kansas	Minnesota	Missouri	Nebraska	North Dakota	South Dakota	TOTAL
SEROTYPE								
GROUP K	.	.	1	.	.	.	.	1
GROUP S	1	.	.	.	.	.	.	1
GROUP U	.	.	1	.	.	.	.	1
GROUP W	.	1	.	1	.	.	.	2
HADAR	4	5	10	6	.	.	3	28
HARTFORD	1	.	1	1	.	.	.	3
HAVANA	.	.	1	.	.	.	.	1
HEIDELBERG	27	9	62	32	.	4	6	140
HORSHAM	.	1	.	.	.	.	.	1
HOUTEN	.	.	11	.	.	.	.	11
HVITTINGFOSS	1	1	.	3	.	.	.	5
IDIKAN	.	.	4	.	.	1	.	5
INDIANA	.	.	1	.	.	1	.	2
INFANTIS	1	5	22	14	.	.	1	43
INVERNESS	1	.	.	.	.	.	.	1
IRUMU	.	.	.	1	.	.	.	1
JAVA	5	.	9	14	.	.	.	28
JAVIANA	1	8	6	18	.	1	.	34
JOHANNESBURG	.	.	1	1	.	.	.	2
KENTUCKY	.	.	.	2	.	.	.	2

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE							
	Iowa	Kansas	Minnesota	Missouri	Nebraska	North Dakota	South Dakota	TOTAL
SEROTYPE								
KIAMBU	.	.	2	1	.	.	.	3
KINTAMBO	.	.	1	.	.	.	.	1
KOESSEN	.	.	.	.	.	1	.	1
KOTTBUS	1	.	.	.	.	.	.	1
KRALENDYK	.	.	1	.	.	.	.	1
LITCHFIELD	.	2	2	5	.	.	.	9
LOMALINDA	.	.	.	1	.	.	.	1
LUCIANA	.	1	.	.	.	.	.	1
MANHATTAN	1	1	3	1	.	.	.	6
MBANDAKA	4	1	4	2	.	1	.	12
MELEAGRIDIS	2	1	.	1	.	.	.	4
MIAMI	.	.	1	.	.	.	.	1
MINNESOTA	.	1	.	.	.	.	.	1
MISSISSIPPI	.	.	.	2	.	.	.	2
MONTEVIDEO	8	5	9	15	.	1	1	39
MUENCHEN	5	8	4	6	.	1	.	24
MUENSTER	.	.	3	.	.	.	.	3
NEWPORT	6	69	26	51	.	1	2	155
NOLA	.	.	.	.	.	1	.	1
NORWICH	.	3	1	6	.	.	.	10

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE							
	Iowa	Kansas	Minnesota	Missouri	Nebraska	North Dakota	South Dakota	TOTAL
SEROTYPE								
OHIO	.	.	3	1	.	.	.	4
ORANIENBURG	5	8	7	16	.	1	4	41
OSLO	.	.	3	.	.	.	.	3
OTHMARSCHEN	2	.	.	.	.	1	.	3
PANAMA	2	3	.	.	.	.	.	5
PARATYPHI A	3	.	1	2	.	.	.	6
PARATYPHI B	.	4	.	.	.	.	1	5
POMONA	.	.	.	1	.	.	.	1
POONA	4	4	10	9	.	.	.	27
PUTTEN	.	1	.	.	.	.	.	1
READING	.	.	.	2	.	.	.	2
REDLANDS	.	.	.	.	.	1	.	1
ROSTOCK	.	.	.	1	.	.	.	1
RUBISLAW	.	1	.	6	.	.	.	7
SAINTPAUL	1	3	10	4	.	2	.	20
SANDIEGO	.	.	3	4	.	.	.	7
SCHLEISSHEIM	.	.	.	.	.	1	.	1
SCHWARZENGRUND	2	3	3	3	.	.	.	11
SENFTENBERG	.	.	5	3	.	.	2	10
STANLEY	1	.	2	2	.	.	.	5

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE							
	Iowa	Kansas	Minnesota	Missouri	Nebraska	North Dakota	South Dakota	TOTAL
SEROTYPE								
SUBSPECIES I	.	.	1	.	.	.	.	1
SUBSPECIES II	.	.	2	.	.	.	.	2
SUBSPECIES IIIA/IIIB	3	.	.	.	.	.	.	3
SUBSPECIES IIIB	.	1	.	.	.	.	.	1
SUBSPECIES IV	.	.	6	.	.	.	.	6
TENNESSEE	1	.	2	4	.	.	.	7
THOMPSON	20	2	11	17	.	.	10	60
TOUCRA	1	.	.	.	.	.	.	1
TYPHI	2	1	8	3	.	.	.	14
TYPHIMURIUM	96	124	219	178	.	31	35	683
UGANDA	.	.	.	3	.	.	.	3
UNKNOWN	.	1	3	4	.	2	.	10
UPPSALA	.	.	.	.	.	1	.	1
URBANA	.	1	1	5	.	.	.	7
VIRCHOW	1	.	1	2	.	.	.	4
VIRGINIA	.	.	1	.	.	.	.	1
WORTHINGTON	.	1	.	2	.	.	.	3
TOTAL	268	359	716	657	33	71	86	2190

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE									
	DC	Delaware	Florida	Georgia	Maryland	North Carolina	South Carolina	Virginia	West Virginia	TOTAL
SEROTYPE										
AARHUS	.	.	.	.	.	.	1	.	.	1
ABAETETUBA	.	.	2	1	.	.	.	.	.	3
ADELAIDE	.	.	.	.	3	1	.	.	.	4
AGAMA	.	.	.	.	.	2	.	.	.	2
AGEGE	.	.	.	.	.	1	.	.	.	1
AGONA	2	.	2	22	11	5	22	14	.	78
AHUZA	.	.	.	1	.	.	.	.	.	1
ALABAMA	.	.	.	1	.	.	.	.	.	1
ALACHUA	.	.	2	1	2	1	.	1	.	7
ALBANY	.	.	.	1	1	.	.	1	.	3
ANATUM	4	2	2	9	5	7	.	10	1	40
ANECHO	.	.	.	.	.	3	.	.	.	3
ARAGUA	.	.	.	.	.	1	.	.	.	1
BAREILLY	.	.	1	4	1	2	3	7	2	20
BERE	.	.	.	1	.	.	.	.	.	1
BERTA	.	.	1	1	.	9	3	5	1	20
BLIJDORP	.	.	.	.	.	1	.	.	.	1
BLOCKLEY	1	.	.	3	3	.	.	1	.	8
BLUKWA	.	.	.	1	.	.	.	.	.	1

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE									
	DC	Delaware	Florida	Georgia	Maryland	North Carolina	South Carolina	Virginia	West Virginia	TOTAL
SEROTYPE										
BONARIENSIS	2	.	.	.	.	.	.	.	.	2
BONGOR	.	.	.	.	.	.	1	.	.	1
BOVISMORBIFICANS	.	.	.	.	.	1	1	.	1	3
BRAENDERUP	1	1	1	21	4	8	8	13	.	57
BRANDENBURG	.	.	.	6	3	8	2	3	1	23
BRAZIL	.	.	.	1	.	.	.	.	.	1
BREDENEY	.	.	.	.	.	.	.	1	.	1
CARRAU	.	.	1	.	.	.	.	.	.	1
CERRO	.	.	2	2	.	2	.	.	.	6
CHAILEY	.	.	.	.	.	1	.	1	.	2
CHAMELEON	.	.	.	1	1	.	.	.	.	2
CHARLOTTENBURG	1	.	.	.	.	.	.	.	.	1
CHESTER	.	.	.	.	1	.	.	.	.	1
CHOLERAESUIS	.	.	1	.	1	3	.	.	.	5
CHOLERAESUIS VAR KUN	.	.	.	.	.	1	1	.	1	3
COELN	.	.	.	.	.	.	2	.	.	2
COLINDALE	.	.	.	.	1	.	.	.	.	1
CULLINGWORTH	.	.	.	.	.	.	.	1	.	1
DERBY	1	1	.	.	2	8	3	11	1	27

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE									
	DC	Delaware	Florida	Georgia	Maryland	North Carolina	South Carolina	Virginia	West Virginia	TOTAL
SEROTYPE										
DRYPOOL	.	.	.	.	.	.	.	1	.	1
DUBLIN	.	.	.	.	.	.	.	2	.	2
ENTEBBE	.	1	.	.	.	1	.	.	.	2
ENTERITIDIS	39	90	10	76	386	92	248	271	40	1252
FLINT	.	.	20	.	.	1	.	.	.	21
FLORIDA	.	.	3	1	.	1	.	.	.	5
FYRIS	.	.	.	.	.	.	.	.	2	2
GAMINARA	1	.	2	2	1	1	2	.	.	9
GARBA	.	.	1	.	.	.	.	.	.	1
GIVE	.	.	.	.	3	.	1	2	.	6
GLOSTRUP	.	.	.	.	4	.	.	.	.	4
GROUP 52	.	.	2	.	.	.	.	.	.	2
GROUP 60	.	.	2	.	.	.	.	.	.	2
GROUP 61	.	.	1	.	1	.	.	.	.	2
GROUP B	20	.	59	7	23	.	.	7	.	116
GROUP C1	5	.	20	3	7	.	.	1	.	36
GROUP C2	.	.	48	.	10	.	.	.	.	58
GROUP D1	24	.	53	5	24	.	.	.	1	107
GROUP E1	.	.	9	.	1	.	.	.	.	10

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE									
	DC	Delaware	Florida	Georgia	Maryland	North Carolina	South Carolina	Virginia	West Virginia	TOTAL
SEROTYPE										
GROUP E2	.	.	.	.	1	.	.	.	.	1
GROUP E4	.	.	.	.	.	.	1	.	.	1
GROUP F	.	.	3	.	.	.	.	.	.	3
GROUP G	.	.	1	1	3	.	.	1	.	6
GROUP H	.	.	.	1	.	.	.	1	.	2
GROUP I	.	.	1	.	1	.	.	.	.	2
GROUP K	.	.	1	.	2	.	.	.	.	3
GROUP N	.	.	.	.	1	.	.	.	.	1
GROUP O	1	.	.	.	1	.	.	1	.	3
GROUP R	.	.	.	.	2	.	.	.	.	2
GROUP V	.	.	.	.	2	.	.	1	.	3
GROUP W	.	.	2	.	.	.	.	.	.	2
GROUP X	.	.	.	3	.	.	.	.	.	3
GROUP Y	.	.	.	3	.	2	.	.	.	5
GROUP Z	.	.	2	.	.	.	.	.	.	2
HADAR	.	.	1	9	11	13	5	18	.	57
HAIFA	.	.	.	.	.	.	.	.	1	1
HARTFORD	.	.	.	6	.	4	4	.	1	15
HAVANA	.	.	.	4	1	1	1	.	.	7

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE									
	DC	Delaware	Florida	Georgia	Maryland	North Carolina	South Carolina	Virginia	West Virginia	TOTAL
SEROTYPE										
HEIDELBERG	.	6	50	44	35	52	25	57	6	275
HILLINGDON	.	.	.	.	1	.	.	.	.	1
HOMOSASSA	.	.	1	.	.	.	.	.	.	1
HOUTEN	.	.	1	.	.	6	.	.	.	7
HVITTINGFOSS	.	.	1	1	4	2	.	2	.	10
IBADAN	.	.	.	.	.	11	1	.	.	12
ILUGUN	.	.	.	.	.	.	.	3	.	3
INDIA	.	.	.	.	.	.	1	.	.	1
INDIANA	.	.	.	.	.	1	.	.	.	1
INFANTIS	.	1	1	15	5	9	3	4	3	41
INVERNESS	.	.	4	1	.	1	.	.	.	6
JANGWANI	.	.	.	.	2	.	.	.	.	2
JAVA	.	.	8	8	.	18	4	6	.	44
JAVIANA	1	1	55	72	2	49	45	8	2	235
JOAL	.	.	.	.	.	1	.	.	.	1
JOHANNESBURG	.	.	1	.	1	.	2	.	.	4
KENTUCKY	.	.	.	1	.	1	.	2	.	4
KIAMBU	.	.	.	1	.	.	.	.	.	1
KILWA	.	.	.	.	.	2	.	.	.	2

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE									
	DC	Delaware	Florida	Georgia	Maryland	North Carolina	South Carolina	Virginia	West Virginia	TOTAL
SEROTYPE										
KINTAMBO	.	.	.	.	.	2	.	.	.	2
KOTTBUS	.	.	.	.	.	.	.	.	1	1
KRALENDYK	.	.	.	.	.	.	.	1	.	1
LAROCHELLE	.	.	.	.	.	.	.	1	.	1
LEXINGTON	.	.	.	.	.	.	1	.	.	1
LINDENBURG	1	.	.	.	.	.	.	.	.	1
LINDI	.	.	.	.	.	1	.	.	.	1
LITCHFIELD	.	11	4	1	4	4	2	8	1	35
LIVINGSTONE	.	.	.	.	.	1	.	.	.	1
LOHBRUEGGE	.	.	.	.	1	.	.	.	.	1
LOMALINDA	.	.	.	.	.	.	.	.	1	1
LOMITA	.	.	.	.	.	.	.	.	2	2
LONDON	.	.	.	4	.	.	3	1	.	8
MADELIA	.	.	2	.	.	.	.	.	.	2
MANHATTAN	1	.	2	4	1	1	1	.	.	10
MARINA	1	3	4	5	4	5	.	2	.	24
MATADI	.	.	.	.	.	1	.	.	.	1
MBANDAKA	.	.	1	4	8	4	5	7	.	29
MELEAGRIDIS	1	.	6	1	.	.	.	.	.	8

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE									
	DC	Delaware	Florida	Georgia	Maryland	North Carolina	South Carolina	Virginia	West Virginia	TOTAL
SEROTYPE										
MEMPHIS	.	.	.	1	.	.	.	.	.	1
MENHADEN	.	.	.	.	.	1	.	.	.	1
MIAMI	2	.	13	5	.	2	5	2	.	29
MINNESOTA	.	.	1	1	.	.	.	1	.	3
MISSISSIPPI	.	.	7	35	.	3	6	2	.	53
MONS	.	.	.	1	.	.	.	.	.	1
MONTEVIDEO	2	2	11	10	9	13	6	14	15	82
MOWANJUM	.	.	.	.	1	.	.	.	1	2
MUENCHEN	.	4	10	36	43	27	20	16	2	158
MUENSTER	.	.	.	.	2	3	.	5	.	10
NAMIBIA	.	.	.	.	.	1	.	.	.	1
NEWBRUNSWICK	.	.	.	.	.	1	.	.	.	1
NEWINGTON	.	.	.	.	.	.	.	1	.	1
NEWLANDS	1	.	.	.	.	.	.	.	.	1
NEWPORT	.	5	40	82	50	114	47	128	3	469
NEWROCHELLE	.	.	.	1	.	.	.	.	.	1
NORWICH	.	.	.	1	.	.	.	2	.	3
NOTTINGHAM	.	.	.	.	.	.	.	.	1	1
OAKLAND	.	.	.	.	.	1	.	1	.	2

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE									
	DC	Delaware	Florida	Georgia	Maryland	North Carolina	South Carolina	Virginia	West Virginia	TOTAL
SEROTYPE										
OHIO	.	.	.	.	2	.	1	.	.	3
ORANIENBURG	.	1	2	6	12	11	9	12	.	53
ORION	.	.	.	1	.	.	.	.	.	1
OSLO	.	.	.	.	.	1	.	.	.	1
OVERSCHIE	.	.	.	.	1	1	.	.	.	2
PANAMA	.	.	.	2	.	.	.	4	.	6
PARATYPHI A	1	.	.	3	1	.	.	5	.	10
PARATYPHI B	3	.	.	.	7	4	.	.	1	15
PARERA	.	.	.	1	.	.	.	.	.	1
PENSACOLA	.	.	.	2	.	.	.	.	.	2
PLYMOUTH	.	.	.	.	1	.	.	.	.	1
POANO	.	.	.	.	.	.	.	1	.	1
POONA	.	3	10	8	10	7	8	3	2	51
READING	.	.	.	1	3	1	.	1	.	6
RICHMOND	.	.	.	.	.	.	1	.	.	1
RISSEN	.	.	.	1	.	.	.	.	.	1
RUBISLAW	.	.	16	6	2	1	1	1	.	27
SAINTPAUL	.	2	6	8	13	14	9	8	5	65
SANDIEGO	.	.	2	1	.	1	.	.	.	4

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE									
	DC	Delaware	Florida	Georgia	Maryland	North Carolina	South Carolina	Virginia	West Virginia	TOTAL
SEROTYPE										
SAO	.	.	.	1	.	.	.	.	.	1
SCHWARZENGRUND	.	.	.	5	4	6	5	4	1	25
SENFTENBERG	2	.	.	3	2	1	3	1	.	12
SETUBAL	.	.	.	.	.	1	.	.	.	1
STACHUS	.	.	.	.	.	.	.	1	.	1
STANLEY	.	2	1	2	3	2	1	22	1	34
SUBSPECIES I	.	.	.	1	.	.	.	.	.	1
SUBSPECIES IIIA	.	.	1	.	.	.	.	.	.	1
SUBSPECIES IIIA/IIIB	1	.	.	.	.	4	3	4	1	13
SUBSPECIES IIIB	.	.	1	.	.	.	.	.	.	1
SUNDSVALL	.	.	.	.	.	1	.	.	.	1
SYDNEY	.	.	.	1	.	.	.	.	.	1
TENNESSEE	1	.	.	1	2	.	1	1	.	6
THOMASVILLE	.	.	.	.	.	1	.	.	.	1
THOMPSON	2	1	2	15	13	10	7	19	1	70
TILENE	.	.	.	1	.	.	.	.	.	1
TOUCRA	.	.	1	.	.	.	.	.	.	1
TSEVIE	1	.	.	.	.	.	.	.	.	1
TSHIONGWE	.	4	.	.	.	.	.	.	.	4

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE									
	DC	Delaware	Florida	Georgia	Maryland	North Carolina	South Carolina	Virginia	West Virginia	TOTAL
SEROTYPE										
TYPHI	.	.	17	1	17	.	.	11	.	46
TYPHIMURIUM	22	39	40	261	215	488	142	301	48	1556
UGANDA	.	.	.	.	9	1	.	1	.	11
UNKNOWN	2	.	35	4	2	10	26	.	1	80
URBANA	.	.	7	1	3	.	.	1	.	12
VICTORIA	.	.	.	.	.	.	.	.	1	1
VIRCHOW	.	.	1	.	2	.	.	3	1	7
WA	.	.	.	1	.	.	.	.	.	1
WANDSWORTH	.	.	.	1	.	.	.	.	.	1
WASSENAAR	.	.	.	1	1	.	.	.	.	2
WELTEVREDEN	.	.	.	.	1	.	.	.	.	1
WESTHAMPTON	.	.	.	2	.	.	.	.	.	2
WORTHINGTON	.	.	.	6	1	3	2	.	1	13
TOTAL	147	180	621	881	1024	1088	705	1053	155	5854

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE				
	Alabama	Kentucky	Mississippi	Tennessee	TOTAL
SEROTYPE					
ABAETETUBA	.	.	.	1	1
ABERDEEN	1	.	.	.	1
ADELAIDE	.	.	.	1	1
AGONA	8	2	.	3	13
ALABAMA	.	.	.	1	1
ALACHUA	1	.	.	.	1
ANATUM	2	2	.	5	9
BAILDON	.	.	.	2	2
BAREILLY	.	4	.	18	22
BERTA	.	.	.	1	1
BLOCKLEY	.	1	.	.	1
BOVISMORBIFICANS	.	.	.	1	1
BRAENDERUP	5	3	.	12	20
BRANDENBURG	1	1	.	6	8
BREDENEY	.	.	.	1	1
CARRAU	.	.	.	1	1
CERRO	.	1	.	.	1
CHAMELEON	.	1	.	.	1
CHOLERAESUIS	.	.	.	1	1

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE				
	Alabama	Kentucky	Mississippi	Tennessee	TOTAL
SEROTYPE					
CHOLERAESUIS VAR KUN	.	.	.	1	1
CUBANA	.	.	.	1	1
DAYTONA	1	.	.	.	1
DERBY	1	.	.	3	4
DUBLIN	.	.	.	1	1
EASTBOURNE	.	.	.	1	1
ENTERITIDIS	21	12	5	82	120
GALLINARUM	1	.	.	.	1
GIVE	1	1	.	4	6
GROUP 51	.	.	.	1	1
GROUP 61	.	.	.	2	2
GROUP 65	.	.	.	1	1
GROUP A	.	.	3	.	3
GROUP B	12	.	82	11	105
GROUP C1	.	.	17	6	23
GROUP C2	.	.	24	.	24
GROUP D1	3	.	19	1	23
GROUP D2	.	.	2	.	2
GROUP E1	1	.	.	.	1

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE				
	Alabama	Kentucky	Mississippi	Tennessee	TOTAL
SEROTYPE					
GROUP G	2	.	18	.	20
GROUP I	.	1	1	.	2
GROUP R	1	.	.	.	1
GROUP V	.	2	.	2	4
GROUP W	.	.	.	2	2
GROUP Y	.	.	.	1	1
HADAR	13	2	.	6	21
HARTFORD	7	.	.	1	8
HAVANA	.	.	.	1	1
HEIDELBERG	41	36	.	49	126
HINDMARSH	.	.	.	1	1
IBADAN	.	1	.	.	1
INFANTIS	9	.	1	11	21
JAVA	.	.	.	11	11
JAVIANA	31	2	2	21	56
JOHANNESBURG	.	.	.	6	6
KENTUCKY	.	.	.	1	1
KIAMBU	1	.	.	.	1
KOKETIME	.	.	.	1	1
KRALENDYK	.	.	.	1	1

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE				
	Alabama	Kentucky	Mississippi	Tennessee	TOTAL
SEROTYPE					
LITCHFIELD	1	.	.	3	4
MANHATTAN	.	.	.	3	3
MARINA	.	1	.	5	6
MATADI	.	.	.	2	2
MBANDAKA	6	4	.	6	16
MIAMI	.	.	.	1	1
MINNESOTA	.	.	.	1	1
MISSISSIPPI	17	.	.	13	30
MONSCHAUI	1	.	.	.	1
MONTEVIDEO	12	1	.	6	19
MUENCHEN	22	5	.	5	32
NEWPORT	33	10	1	49	93
NORWICH	1	1	.	7	9
NOTTINGHAM	.	.	.	1	1
OHIO	.	.	.	3	3
ORANIENBURG	2	1	.	12	15
ORION	.	.	.	1	1
PANAMA	.	1	.	2	3
PARATYPHI A	.	.	.	1	1
PARATYPHI B	4	.	.	.	4

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE				
	Alabama	Kentucky	Mississippi	Tennessee	TOTAL
SEROTYPE					
POMONA	.	.	.	1	1
POONA	2	6	.	5	13
READING	.	.	.	1	1
RICHMOND	.	1	.	.	1
RUBISLAW	1	.	.	.	1
SAINTPAUL	6	1	.	11	18
SCHLEISSHEIM	6	.	.	.	6
SCHWARZENGRUND	.	.	.	4	4
SENFTENBERG	.	.	.	1	1
STANLEY	.	2	.	4	6
SUBSPECIES IIIA	.	.	.	1	1
SUBSPECIES IIIB	1	.	.	.	1
SUBSPECIES IV	4	.	.	.	4
TAMALE	.	.	.	2	2
TENNESSEE	.	3	.	2	5
TEXAS	.	.	.	1	1
THOMPSON	4	3	.	6	13
TOUCRA	1	.	.	.	1
TYPHI	4	.	.	2	6
TYPHIMURIUM	153	87	4	204	448

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE				
	Alabama	Kentucky	Mississippi	Tennessee	TOTAL
SEROTYPE					
TYPHIMURIUM VAR COPE	.	.	.	1	1
UGANDA	.	.	.	1	1
UNKNOWN	2	2	366	1	371
URBANA	.	1	.	1	2
VIRCHOW	.	1	.	2	3
VOLKSDORF	.	.	.	1	1
WANDSWORTH	.	.	.	1	1
WORTHINGTON	.	.	.	1	1
TOTAL	447	203	545	659	1854

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE				
	Arkansas	Louisiana	Oklahoma	Texas	TOTAL
SEROTYPE					
ABAETETUBA	.	1	.	1	2
ADELAIDE	.	.	.	3	3
AGONA	7	11	14	36	68
ALACHUA	.	.	.	2	2
ANATUM	1	14	5	10	30
ARECHAVALETA	.	.	4	.	4
BAREILLY	10	2	5	3	20
BERTA	1	1	.	2	4
BLOCKLEY	.	.	.	3	3
BOVISMORBIFICANS	.	1	.	2	3
BRAENDERUP	3	15	8	28	54
BRANDENBURG	.	7	.	8	15
BREDENEY	3	3	1	2	9
CARMEL	.	.	1	.	1
CARRAU	.	1	.	.	1
CERRO	.	1	.	7	8
CHOLERAESUIS VAR KUN	.	.	.	2	2
CUBANA	1	.	.	.	1
DENVER	.	.	.	1	1

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE				
	Arkansas	Louisiana	Oklahoma	Texas	TOTAL
SEROTYPE					
DERBY	1	.	.	2	3
DUESSELDORF	.	.	.	3	3
EASTBOURNE	.	.	.	2	2
ENTERITIDIS	8	11	26	99	144
FLINT	.	.	.	3	3
FLUNTERN	.	.	.	1	1
GALLINARUM	.	.	1	.	1
GAMINARA	1	11	.	8	20
GIVE	.	15	1	14	30
GLOSTRUP	.	.	.	1	1
GROUP B	.	6	4	5	15
GROUP C1	1	.	2	3	6
GROUP D1	.	2	.	.	2
GROUP E1	.	2	.	1	3
GROUP G	.	3	.	1	4
GROUP W	.	.	.	1	1
GROUP Y	.	1	.	.	1
HADAR	.	3	1	14	18
HANDEN	.	.	1	.	1
HARTFORD	2	1	1	6	10

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE				
	Arkansas	Louisiana	Oklahoma	Texas	TOTAL
SEROTYPE					
HAVANA	1	.	1	3	5
HEIDELBERG	9	18	7	44	78
HVITTINGFOSS	1	2	.	2	5
IBADAN	5	.	.	9	14
ILLINOIS	1	.	.	.	1
INDIANA	.	.	.	3	3
INFANTIS	.	6	3	47	56
INVERNESS	.	2	.	3	5
IRUMU	.	.	1	.	1
JAVA	5	5	.	.	10
JAVIANA	33	46	4	66	149
JOHANNESBURG	.	.	.	1	1
KENTUCKY	.	1	1	3	5
KINTAMBO	.	2	.	.	2
LAROCHELLE	3	.	.	.	3
LAWNDALE	.	.	.	1	1
LEXINGTON	.	.	.	1	1
LINDENBURG	.	.	.	2	2
LITCHFIELD	.	1	.	2	3
LIVINGSTONE	.	.	2	.	2

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE				
	Arkansas	Louisiana	Oklahoma	Texas	TOTAL
SEROTYPE					
LOMALINDA	.	1	.	.	1
LONDON	.	.	.	3	3
LOSANGELES	.	.	.	1	1
MADELIA	.	.	.	5	5
MANHATTAN	.	2	.	4	6
MARINA	.	.	.	3	3
MBANDAKA	.	5	2	2	9
MELEAGRIDIS	.	.	.	1	1
MIAMI	.	.	.	2	2
MINNESOTA	.	.	.	3	3
MISSISSIPPI	3	53	2	17	75
MONSCHAUI	.	1	.	.	1
MONTEVIDEO	7	10	5	54	76
MUENCHEN	8	13	7	34	62
MUENSTER	.	5	.	10	15
NEWBRUNSWICK	.	.	.	3	3
NEWINGTON	1	.	.	1	2
NEWPORT	82	83	63	170	398
NORWICH	6	.	5	5	16
NOTTINGHAM	.	.	.	1	1

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE				
	Arkansas	Louisiana	Oklahoma	Texas	TOTAL
SEROTYPE					
OHIO	.	1	.	5	6
ORANIENBURG	4	2	7	62	75
PANAMA	.	5	7	7	19
PARATYPHI A	.	1	.	5	6
PARATYPHI B	.	1	11	37	49
PENSACOLA	.	1	.	.	1
PHOENIX	.	.	.	6	6
POMONA	.	1	.	2	3
POONA	1	3	7	25	36
RAUS	.	.	.	3	3
READING	1	1	.	2	4
RUBISLAW	7	3	1	11	22
SAINTPAUL	2	2	4	37	45
SANDIEGO	1	1	.	5	7
SAPHRA	.	7	.	2	9
SCHWARZENGRUND	.	4	.	.	4
SCHWERIN	.	.	1	.	1
SENFTENBERG	1	.	.	17	18
SINGAPORE	.	.	.	1	1
SINSTORF	.	.	1	.	1

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE				
	Arkansas	Louisiana	Oklahoma	Texas	TOTAL
SEROTYPE					
STANLEY	.	.	1	14	15
SUBSPECIES I	.	1	.	.	1
SUBSPECIES II	.	.	13	.	13
SUBSPECIES IIIA	.	.	2	.	2
SUBSPECIES IIIA/IIIB	.	.	1	5	6
SUBSPECIES IIIB	.	.	1	.	1
SUBSPECIES IV	.	.	1	.	1
SUNDSVALL	.	1	14	.	15
TENNESSEE	.	3	.	5	8
THOMPSON	2	8	5	29	44
TILENE	.	.	.	1	1
TUCSON	.	.	.	1	1
TYPHI	.	1	.	26	27
TYPHIMURIUM	96	102	87	342	627
TYRESOE	.	.	1	.	1
UGANDA	.	2	1	.	3
UNKNOWN	3	6	.	1	10
URBANA	.	2	.	2	4
VIRCHOW	.	.	1	.	1

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE				
	Arkansas	Louisiana	Oklahoma	Texas	TOTAL
SEROTYPE					
WELTEVREDEN	.	.	.	1	1
WORTHINGTON	1	.	.	1	2
TOTAL	323	527	345	1435	2630

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

REGION=Mountain

	STATE								
	Arizona	Colorado	Idaho	Montana	Nevada	New Mexico	Utah	Wyoming	TOTAL
SEROTYPE									
AARHUS	.	.	2	.	.	.	.	.	2
ABAETETUBA	.	.	1	.	.	.	.	.	1
ADELAIDE	2	.	.	.	.	1	.	.	3
AGONA	8	3	1	.	2	6	7	.	27
AGOUEVE	.	1	.	.	1	1	.	.	3
ALBANY	1	.	.	.	1	1	.	.	3
ANATUM	13	2	.	.	.	.	3	.	18
BAREILLY	2	2	.	.	.	2	.	.	6
BERTA	5	.	.	.	.	.	.	.	5
BLOCKLEY	1	1	.	.	.	.	1	.	3
BOVISMORBIFICANS	.	2	.	.	.	.	2	.	4
BRAENDERUP	4	8	1	.	5	8	3	.	29
BRANDENBURG	7	2	.	.	2	2	.	.	13
BREDENEY	1	.	.	.	.	.	.	.	1
CALIFORNIA	1	.	.	.	.	.	.	.	1
CARRAU	.	.	.	.	1	3	.	.	4
CERRO	4	.	.	.	2	3	.	.	9
CHAMELEON	.	1	.	.	.	.	1	.	2
CHESTER	.	1	.	.	1	1	.	.	3
CHOLERAESUIS	.	.	.	.	.	.	1	.	1

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

REGION=Mountain

	STATE								
	Arizona	Colorado	Idaho	Montana	Nevada	New Mexico	Utah	Wyoming	TOTAL
SEROTYPE									
CONCORD	5	.	.	.	.	.	.	.	5
CUBANA	.	1	.	.	.	1	1	.	3
DENVER	1	.	.	.	.	.	.	.	1
DERBY	10	11	.	.	.	.	.	.	21
DRYPOOL	3	.	.	.	.	.	.	.	3
DUBLIN	7	1	.	.	.	1	.	.	9
DURHAM	.	.	.	.	.	.	.	1	1
EASTBOURNE	.	3	.	.	.	.	.	.	3
ENTERITIDIS	183	156	19	.	68	105	201	.	732
FLINT	.	.	.	.	.	.	1	.	1
GAMINARA	2	.	.	.	.	.	1	.	3
GIVE	3	1	.	.	2	2	4	.	12
GROUP B	.	.	.	30	2	8	1	14	55
GROUP C1	.	1	.	13	2	.	.	2	18
GROUP C2	.	.	.	5	2	.	.	3	10
GROUP D1	.	.	.	1	.	1	.	10	12
GROUP E4	.	.	.	1	.	.	.	.	1
GROUP G	.	.	.	3	.	.	.	.	3
GROUP Y	.	.	.	.	.	1	.	.	1
GROUP Z	.	.	.	.	.	1	.	.	1

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

REGION=Mountain

	STATE								
	Arizona	Colorado	Idaho	Montana	Nevada	New Mexico	Utah	Wyoming	TOTAL
SEROTYPE									
HADAR	10	12	3	.	1	8	3	.	37
HALMSTAD	.	1	.	.	.	.	.	.	1
HARTFORD	.	1	.	.	.	.	1	.	2
HAVANA	1	1	.	.	1	1	.	.	4
HEIDELBERG	25	34	3	.	10	18	20	.	110
HORSHAM	.	.	.	.	.	1	.	.	1
HOUTEN	1	.	.	.	.	.	.	.	1
INDIANA	3	1	.	.	.	1	.	.	5
INFANTIS	26	14	2	.	3	5	1	.	51
INVERNESS	.	.	.	.	.	.	1	.	1
IRUMU	.	.	.	.	.	.	2	.	2
ITAMI	.	.	1	.	.	.	.	.	1
JAVA	.	23	2	.	.	.	.	.	25
JAVIANA	21	3	.	.	.	13	3	.	40
JOHANNESBURG	2	1	.	.	2	1	.	.	6
KENTUCKY	.	.	.	.	1	2	1	.	4
KIAMBU	1	1	.	.	.	.	.	.	2
KINTAMBO	.	1	.	.	.	1	.	.	2
KRALENDYK	.	2	.	.	.	.	2	.	4
LITCHFIELD	2	3	.	.	1	2	1	.	9

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE								
	Arizona	Colorado	Idaho	Montana	Nevada	New Mexico	Utah	Wyoming	TOTAL
SEROTYPE									
LIVINGSTONE	3	2	.	.	.	1	.	.	6
LOHBRUEGGE	.	1	.	.	.	.	.	.	1
LOMALINDA	1	.	.	.	.	.	.	.	1
LOMITA	3	.	.	.	.	.	.	.	3
LONDON	.	.	.	.	.	.	2	.	2
MANHATTAN	.	2	.	.	1	3	.	.	6
MARINA	.	.	2	.	.	.	2	.	4
MATADI	.	1	.	.	.	.	3	.	4
MBANDAKA	10	4	.	.	5	6	2	.	27
MELEAGRIDIS	.	1	.	.	11	11	1	.	24
MENHADEN	1	.	.	.	.	.	.	.	1
MGULANI	.	.	.	.	1	1	.	.	2
MIAMI	.	1	.	.	.	.	.	.	1
MINNEAPOLIS	1	.	.	.	.	.	.	.	1
MINNESOTA	1	.	1	.	.	.	.	.	2
MONSCHAUI	.	1	.	.	.	1	.	.	2
MONTEVIDEO	15	9	3	.	33	34	8	.	102
MUENCHEN	12	9	1	.	2	9	2	.	35
MUENSTER	1	2	.	.	.	3	.	.	6
NACHSHONIM	.	1	.	.	.	.	.	.	1

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

REGION=Mountain

	STATE								
	Arizona	Colorado	Idaho	Montana	Nevada	New Mexico	Utah	Wyoming	TOTAL
SEROTYPE									
NEWINGTON	1	1	.	.	.	.	.	.	2
NEWPORT	60	30	1	.	11	29	9	.	140
NORWICH	4	.	.	.	.	.	.	.	4
OHIO	6	.	.	.	.	.	.	.	6
ORANIENBURG	56	12	3	.	5	21	13	.	110
OSLO	.	1	.	.	.	.	2	.	3
PANAMA	8	2	.	.	1	6	.	.	17
PARATYPHI A	1	1	.	.	1	1	.	.	4
PARATYPHI B	6	1	.	.	.	.	11	.	18
PARATYPHI C	.	.	.	.	.	1	.	.	1
PHOENIX	1	.	.	.	.	.	.	.	1
POMONA	.	1	.	.	1	2	2	.	6
POONA	22	6	3	.	3	13	3	.	50
READING	2	2	.	.	.	1	.	.	5
RICHMOND	.	1	.	.	.	.	.	.	1
SAINTPAUL	26	13	2	.	3	7	8	.	59
SANDIEGO	3	1	.	.	.	2	1	.	7
SANTIAGO	.	.	.	.	.	1	.	.	1
SCHWARZENGRUND	3	.	.	.	.	1	1	.	5
SENFTENBERG	5	1	.	.	4	5	1	.	16

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

REGION=Mountain

	STATE								
	Arizona	Colorado	Idaho	Montana	Nevada	New Mexico	Utah	Wyoming	TOTAL
SEROTYPE									
SEREMBAN	.	.	.	.	.	1	.	.	1
SINSTORF	.	1	.	.	.	.	.	.	1
SOERENGA	.	.	.	.	1	1	.	.	2
STANLEY	5	3	2	.	.	1	4	.	15
SUBSPECIES III	.	1	.	.	1	.	.	.	2
SUBSPECIES IIIA	.	2	.	.	.	2	.	1	5
SUBSPECIES IIIA/IIIB	.	1	.	.	.	4	.	.	5
SUBSPECIES IIIB	.	3	.	.	.	.	.	.	3
SUBSPECIES IV	.	.	.	.	.	1	.	.	1
SUNDSVALL	1	.	.	.	.	1	.	.	2
TAKORADI	.	.	1	.	.	.	.	.	1
TALLAHASSEE	3	.	.	.	.	.	.	.	3
TELELKEBIR	1	.	.	.	.	.	.	.	1
TENNESSEE	2	1	.	.	.	3	.	.	6
THOMPSON	4	4	.	.	3	4	.	.	15
TILENE	.	.	1	.	.	.	.	.	1
TYPHI	.	1	.	.	2	4	1	.	8
TYPHIMURIUM	148	193	43	.	35	90	50	.	559
TYPHIMURIUM VAR COPE	.	.	.	.	2	14	.	.	16

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE								
	Arizona	Colorado	Idaho	Montana	Nevada	New Mexico	Utah	Wyoming	TOTAL
SEROTYPE									
UCCLE	.	.	.	.	1	.	.	.	1
UGANDA	.	18	.	.	.	.	.	.	18
UNKNOWN	.	1	.	10	1	3	14	.	29
VICTORIA	2	.	.	.	.	.	.	.	2
VIRCHOW	.	.	1	.	.	.	.	.	1
WASSENAAR	.	1	.	.	.	.	.	.	1
WAYCROSS	1	1	.	.	.	.	.	.	2
WELTEVREDEN	1	.	.	.	.	.	.	.	1
WISBECH	.	.	.	.	1	1	.	.	2
WORTHINGTON	3	1	.	.	.	.	.	.	4
TOTAL	778	634	99	63	239	490	402	31	2736

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE					
	Alaska	California	Hawaii	Oregon	Washington	TOTAL
SEROTYPE						
ABAETETUBA	.	1	.	1	.	2
ADELAIDE	.	19	.	.	.	19
AGBENI	.	1	.	.	.	1
AGONA	4	139	10	7	14	174
AGOUEVE	.	1	.	.	.	1
ALACHUA	.	7	1	1	1	10
ALBANY	.	6	2	.	.	8
ALTONA	.	1	.	.	.	1
AMAGER	.	.	1	.	.	1
AMSTERDAM	.	2	.	.	.	2
ANATUM	.	33	8	3	8	52
ANECHO	.	.	.	.	1	1
ANNEDAL	.	1	.	.	.	1
AQUA	.	2	.	.	.	2
BALL	.	.	.	.	1	1
BARDO	.	7	.	.	.	7
BAREILLY	.	10	.	.	1	11
BERTA	.	9	.	7	.	16
BIRKENHEAD	.	.	2	.	.	2
BLEGDAM	.	1	.	.	.	1

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE					
	Alaska	California	Hawaii	Oregon	Washington	TOTAL
SEROTYPE						
BLOCKLEY	.	5	.	1	.	6
BONARIENSIS	.	1	.	.	.	1
BOVISMORBIFICANS	.	6	.	.	2	8
BRAENDERUP	.	93	1	3	5	102
BRANDENBURG	3	17	5	5	10	40
BREDENEY	.	9	.	1	2	12
CANADA	.	.	.	.	1	1
CARRAU	.	18	.	.	.	18
CERRO	.	19	.	1	.	20
CHAILEY	.	1	.	.	.	1
CHAMELEON	.	1	.	.	.	1
CHESTER	.	1	1	.	1	3
CHOLERAESUIS	.	4	.	.	.	4
CHOLERAESUIS VAR KUN	.	12	2	.	.	14
CLACKAMAS	.	.	.	1	.	1
COELN	.	1	.	.	.	1
COLINDALE	.	3	.	.	.	3
CUBANA	.	8	.	.	1	9
DERBY	.	31	1	1	1	34

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

REGION=Pacific

	STATE					
	Alaska	California	Hawaii	Oregon	Washington	TOTAL
SEROTYPE						
DJUGU	.	.	2	.	.	2
DRYPOOL	.	1	.	.	.	1
DUBLIN	.	38	2	4	3	47
DURBAN	.	7	.	.	.	7
DURHAM	.	.	.	.	1	1
EALING	.	7	.	.	.	7
EASTBOURNE	.	1	.	.	.	1
EMEK	.	1	.	.	1	2
ENTERITIDIS	7	2172	84	47	121	2431
GAMINARA	.	1	1	.	.	2
GIVE	.	22	6	.	.	28
GLOSTRUP	.	1	.	2	1	4
GROUP 53	.	4	.	.	.	4
GROUP 56	.	3	.	.	.	3
GROUP 60	.	2	.	.	.	2
GROUP 61	1	4	.	.	.	5
GROUP B	.	74	2	2	.	78
GROUP C1	.	10	.	1	.	11
GROUP C2	.	2	.	1	.	3
GROUP D1	.	14	.	1	.	15

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

REGION=Pacific

	STATE					
	Alaska	California	Hawaii	Oregon	Washington	TOTAL
SEROTYPE						
GROUP E1	.	3	.	.	.	3
GROUP F	.	.	1	.	.	1
GROUP K	.	1	.	.	.	1
GROUP S	.	1	.	.	.	1
GROUP T	.	.	1	.	.	1
GROUP U	.	.	2	.	.	2
GROUP V	.	7	.	.	1	8
GROUP W	.	8	.	1	.	9
GROUP X	.	4	.	.	.	4
GROUP Y	.	4	.	.	.	4
GROUP Z	.	7	.	2	.	9
HAARDT	.	3	.	1	.	4
HADAR	.	76	6	1	14	97
HAIFA	.	.	.	.	2	2
HARTFORD	.	4	1	.	1	6
HAVANA	1	15	.	.	1	17
HEIDELBERG	6	380	9	12	39	446
HOUTEN	.	1	.	.	.	1
HVITTINGFOSS	.	4	2	.	1	7
INDIANA	.	7	.	.	2	9

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

REGION=Pacific

	STATE					
	Alaska	California	Hawaii	Oregon	Washington	TOTAL
SEROTYPE						
INFANTIS	1	86	5	5	8	105
INVERNESS	.	1	.	.	.	1
IPSWICH	.	1	.	.	.	1
IRUMU	.	9	.	.	2	11
ISTANBUL	.	9	.	.	.	9
ITURI	.	.	.	.	1	1
JAVA	.	.	.	2	3	5
JAVIANA	1	28	1	1	10	41
JOHANNESBURG	.	1	.	.	2	3
KENTUCKY	.	22	.	.	2	24
KIAMBU	.	6	.	.	.	6
KINTAMBO	.	3	.	.	.	3
KOTTBUS	.	2	.	.	.	2
KRALENDYK	.	2	.	.	.	2
KREFELD	.	1	.	.	.	1
LITCHFIELD	.	23	.	1	1	25
LIVINGSTONE	.	6	.	.	.	6
LOMALINDA	.	17	.	.	.	17
LOME	.	2	.	.	.	2
LONDON	.	3	.	.	.	3

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE					
	Alaska	California	Hawaii	Oregon	Washington	TOTAL
SEROTYPE						
MADELIA	.	1	.	.	.	1
MANHATTAN	.	16	.	.	.	16
MARINA	.	8	.	2	.	10
MATADI	1	5	.	.	.	6
MBANDAKA	1	23	1	3	7	35
MELEAGRIDIS	.	154	.	.	7	161
MENHADEN	.	10	.	.	.	10
MIAMI	.	1	.	.	.	1
MICHIGAN	.	1	.	.	.	1
MINNESOTA	.	5	.	.	1	6
MISSISSIPPI	.	4	1	.	.	5
MONSCHAUI	.	2	.	.	.	2
MONTEVIDEO	5	614	28	26	41	714
MUENCHEN	.	79	16	3	7	105
MUENSTER	.	16	1	.	.	17
NAPOLI	.	1	.	.	.	1
NARASHINO	.	1	.	.	.	1
NEWBRUNSWICK	.	7	.	.	.	7
NEWHAW	.	.	.	1	.	1
NEWINGTON	.	5	.	2	.	7

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE					
	Alaska	California	Hawaii	Oregon	Washington	TOTAL
SEROTYPE						
NEWPORT	2	175	26	77	25	305
NIMA	.	1	.	.	.	1
OAKLAND	.	.	.	.	1	1
OHIO	.	19	.	.	1	20
ONDERSTEPOORT	.	1	.	.	.	1
ORANIENBURG	.	147	1	15	25	188
OSLO	.	2	4	3	2	11
OTHMARSCHEN	.	1	.	.	.	1
OVERSCHIE	.	1	.	.	.	1
PANAMA	.	36	8	1	5	50
PARATYPHI A	.	17	2	.	.	19
PARATYPHI B	2	57	6	6	37	108
PARERA	.	3	.	.	.	3
PATIENCE	.	.	.	1	.	1
PHOENIX	.	1	.	1	.	2
POANO	.	1	.	.	.	1
POMONA	.	11	.	.	.	11
POONA	1	53	.	9	15	78
POTSDAM	.	2	.	.	1	3
PUTTEN	.	1	.	1	.	2

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE					
	Alaska	California	Hawaii	Oregon	Washington	TOTAL
SEROTYPE						
READING	3	17	3	1	2	26
RICHMOND	.	.	.	.	1	1
RISSEN	.	2	.	.	.	2
ROMANBY	.	1	.	.	.	1
RUBISLAW	1	5	.	.	1	7
SAINTPAUL	.	122	4	12	17	155
SALINATIS	.	3	.	.	.	3
SANDIEGO	.	6	.	3	.	9
SAPHRA	.	2	.	.	.	2
SCHWARZENGRUND	.	27	.	2	1	30
SENFTENBERG	.	40	8	.	2	50
SHOMRON	.	1	.	.	.	1
SINGAPORE	.	3	.	2	2	7
SOERENGA	.	4	.	.	.	4
STANLEY	1	52	1	3	5	62
STANLEYVILLE	.	2	.	.	.	2
SUBSPECIES I	.	.	.	2	.	2
SUBSPECIES II	.	.	.	.	1	1
SUBSPECIES III	.	.	.	.	1	1
SUBSPECIES IIIA	.	.	.	.	1	1

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

REGION=Pacific

	STATE					
	Alaska	California	Hawaii	Oregon	Washington	TOTAL
SEROTYPE						
SUBSPECIES IIIB	.	.	.	2	1	3
SUBSPECIES IV	.	.	.	1	5	6
SUNDSVALL	.	.	.	.	1	1
SYDNEY	.	1	.	.	.	1
TAKORADI	.	1	.	.	.	1
TAKSONY	.	3	.	.	.	3
TELELKEBIR	.	4	.	.	.	4
TENNESSEE	.	28	1	2	3	34
THOMPSON	.	75	6	2	14	97
TILENE	.	.	.	.	1	1
TYPHI	2	114	8	4	3	131
TYPHIMURIUM	20	991	86	121	235	1453
TYPHIMURIUM VAR COPE	.	284	.	.	.	284
UGANDA	.	8	.	.	2	10
UNKNOWN	.	42	1	1	2	46
URBANA	.	7	.	.	3	10
VIRCHOW	.	11	.	.	2	13
VIRGINIA	.	1	1	.	.	2
WANDSWORTH	.	1	.	.	1	2

(Continued)

TABLE 4
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE, GEOGRAPHIC REGION AND STATE, 1996

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

	STATE					
	Alaska	California	Hawaii	Oregon	Washington	TOTAL
SEROTYPE						
WASSENAAR	.	7	.	.	.	7
WAYCROSS	.	.	1	.	.	1
WELTEVREDEN	.	8	63	1	3	75
WESTHAMPTON	.	1	1	.	.	2
WIDEMARSH	1	.	.	.	.	1
WORTHINGTON	.	10	1	1	5	17
TOTAL	64	6947	438	427	756	8632

TABLE 5
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND GEOGRAPHIC REGIONS, 1996

	REGION									
	New England	Mid Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific	TOTAL
SEROTYPE										
AARHUS	.	3	.	.	1	.	.	2	.	6
ABAETETUBA	5	3	.	.	3	1	2	1	2	17
ABERDEEN	.	1	.	.	.	1	.	.	.	2
ABONY	1	1	.	.	.	.	.	.	.	2
ACRES	.	1	.	.	.	.	.	.	.	1
ADELAIDE	8	38	7	5	4	1	3	3	19	88
AFLAO	.	1	.	.	.	.	.	.	.	1
AGAMA	.	.	.	.	2	.	.	.	.	2
AGBENI	.	.	.	.	.	.	.	.	1	1
AGEGE	.	.	.	.	1	.	.	.	.	1
AGONA	36	86	83	41	78	13	68	27	174	606
AGOUEVE	.	.	.	.	.	.	.	3	1	4
AHUZA	.	.	.	.	1	.	.	.	.	1
ALABAMA	.	.	.	.	1	1	.	.	.	2
ALACHUA	5	11	1	2	7	1	2	.	10	39
ALBANY	1	3	4	4	3	.	.	3	8	26
ALBERT	.	1	.	.	.	.	.	.	.	1
ALTONA	.	.	.	.	.	.	.	.	1	1
AMAGER	.	.	.	.	.	.	.	.	1	1
AMSTERDAM	.	.	.	.	.	.	.	.	2	2

(Continued)

TABLE 5
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND GEOGRAPHIC REGIONS, 1996

	REGION									
	New England	Mid Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific	TOTAL
SEROTYPE										
ANATUM	25	41	42	14	40	9	30	18	52	271
ANECHO	.	1	.	.	3	.	.	.	1	5
ANK	.	.	2	.	.	.	.	.	.	2
ANNEDAL	.	.	.	.	.	.	.	.	1	1
ANTSALOVA	.	1	.	.	.	.	.	.	.	1
AQUA	.	.	.	.	.	.	.	.	2	2
ARAGUA	.	.	.	.	1	.	.	.	.	1
ARECHAVALETA	1	1	.	.	.	.	4	.	.	6
BAHATI	1	.	.	.	.	.	.	.	.	1
BAILDON	.	.	3	.	.	2	.	.	.	5
BALL	.	.	1	.	.	.	.	.	1	2
BANANA	.	.	1	.	.	.	.	.	.	1
BARDO	.	20	1	.	.	.	.	.	7	28
BAREILLY	1	7	19	9	20	22	20	6	11	115
BARRANQUILLA	.	.	.	1	.	.	.	.	.	1
BENFICA	.	.	.	1	.	.	.	.	.	1
BENIN	1	.	.	.	.	.	.	.	.	1
BERE	.	.	.	.	1	.	.	.	.	1
BERTA	9	28	32	3	20	1	4	5	16	118
BIRKENHEAD	.	.	.	.	.	.	.	.	2	2

(Continued)

TABLE 5
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND GEOGRAPHIC REGIONS, 1996

	REGION									
	New England	Mid Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific	TOTAL
SEROTYPE										
BISPEBJERG	.	1	.	.	.	.	.	.	.	1
BLEGDAM	.	.	1	.	.	.	.	.	1	2
BLIJDORP	.	.	.	.	1	.	.	.	.	1
BLOCKLEY	2	16	7	5	8	1	3	3	6	51
BLUKWA	.	.	.	.	1	.	.	.	.	1
BONAIRE	.	1	.	.	.	.	.	.	.	1
BONARIENSIS	.	.	.	.	2	.	.	.	1	3
BONGOR	.	.	.	.	1	.	.	.	.	1
BONN	.	.	1	.	.	.	.	.	.	1
BOVISMORBIFICANS	5	2	13	2	3	1	3	4	8	41
BRADFORD	.	1	.	.	.	.	.	.	.	1
BRAENDERUP	22	60	83	104	57	20	54	29	102	531
BRANDENBURG	10	23	40	9	23	8	15	13	40	181
BRAZIL	.	.	.	.	1	.	.	.	.	1
BREDENEY	5	10	7	1	1	1	9	1	12	47
BRIKAMA	1	.	.	.	.	.	.	.	.	1
BRON	.	1	.	.	.	.	.	.	.	1
CALIFORNIA	.	.	.	.	.	.	.	1	.	1
CANADA	.	.	.	.	.	.	.	.	1	1
CARMEL	.	.	.	.	.	.	1	.	.	1

(Continued)

TABLE 5
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND GEOGRAPHIC REGIONS, 1996

	REGION									
	New England	Mid Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific	TOTAL
SEROTYPE										
CARRAU	.	2	3	.	1	1	1	4	18	30
CERRO	4	5	2	.	6	1	8	9	20	55
CHAILEY	1	.	.	.	2	.	.	.	1	4
CHAMELEON	1	1	3	.	2	1	.	2	1	11
CHARLOTTENBURG	.	.	.	.	1	.	.	.	.	1
CHESTER	1	11	7	.	1	.	.	3	3	26
CHOLERAESUIS	4	8	13	5	5	1	.	1	4	41
CHOLERAESUIS VAR KUN	.	5	.	1	3	1	2	.	14	26
CLACKAMAS	.	.	.	.	.	.	.	.	1	1
COELN	1	1	1	1	2	.	.	.	1	7
COLINDALE	.	3	.	.	1	.	.	.	3	7
COLORADO	1	.	.	.	.	.	.	.	.	1
CONCORD	.	.	.	.	.	.	.	5	.	5
CORVALLIS	.	1	.	.	.	.	.	.	.	1
CUBANA	4	2	14	.	.	1	1	3	9	34
CULLINGWORTH	.	.	.	.	1	.	.	.	.	1
DAYTONA	.	2	.	1	.	1	.	.	.	4
DENVER	.	.	.	.	.	.	1	1	.	2
DERBY	3	18	24	9	27	4	3	21	34	143
DIGUEL	.	4	.	.	.	.	.	.	.	4

(Continued)

TABLE 5
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND GEOGRAPHIC REGIONS, 1996

	REGION									
	New England	Mid Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific	TOTAL
SEROTYPE										
DJUGU	.	.	.	.	.	.	.	.	2	2
DOEL	.	.	.	2	.	.	.	.	.	2
DRYPOOL	.	.	.	.	1	.	.	3	1	5
DUBLIN	7	5	11	3	2	1	.	9	47	85
DUESSELDORF	2	.	.	1	.	.	3	.	.	6
DURBAN	.	1	.	.	.	.	.	.	7	8
DURHAM	.	.	2	.	.	.	.	1	1	4
EALING	4	1	8	6	.	.	.	.	7	26
EASTBOURNE	.	.	5	1	.	1	2	3	1	13
EMEK	1	.	1	1	.	.	.	.	2	5
ENTEBBE	.	6	.	.	2	.	.	.	.	8
ENTERITIDIS	853	2465	1280	293	1252	120	144	732	2431	9570
ENUGU	.	.	1	.	.	.	.	.	.	1
ESSEN	.	1	.	1	.	.	.	.	.	2
FARMSEN	.	1	.	1	.	.	.	.	.	2
FLINT	5	2	2	.	21	.	3	1	.	34
FLORIDA	2	.	.	.	5	.	.	.	.	7
FLUNTERN	.	.	.	.	.	.	1	.	.	1
FRINTROP	.	1	.	.	.	.	.	.	.	1
FYRIS	.	.	.	.	2	.	.	.	.	2

(Continued)

TABLE 5
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND GEOGRAPHIC REGIONS, 1996

	REGION									
	New England	Mid Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific	TOTAL
SEROTYPE										
GALLINARUM	.	.	.	.	.	1	1	.	.	2
GAMINARA	1	5	2	2	9	.	20	3	2	44
GARBA	.	.	.	.	1	.	.	.	.	1
GATUNI	.	2	.	.	.	.	.	.	.	2
GIVE	4	8	15	5	6	6	30	12	28	114
GLIDJI	1	.	.	.	.	.	.	.	.	1
GLOSTRUP	2	1	1	.	4	.	1	.	4	13
GLOUCESTER	2	.	.	.	.	.	.	.	.	2
GODESBERG	.	.	1	.	.	.	.	.	.	1
GROUP 51	.	.	.	.	.	1	.	.	.	1
GROUP 52	.	.	.	.	2	.	.	.	.	2
GROUP 53	.	.	1	.	.	.	.	.	4	5
GROUP 56	.	.	.	.	.	.	.	.	3	3
GROUP 60	.	.	1	1	2	.	.	.	2	6
GROUP 61	.	2	6	.	2	2	.	.	5	17
GROUP 65	1	.	.	.	.	1	.	.	.	2
GROUP A	.	.	.	.	.	3	.	.	.	3
GROUP B	60	17	65	71	116	105	15	55	78	582
GROUP C1	7	1	14	7	36	23	6	18	11	123
GROUP C2	1	1	9	2	58	24	.	10	3	108

(Continued)

TABLE 5
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND GEOGRAPHIC REGIONS, 1996

	REGION									
	New England	Mid Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific	TOTAL
SEROTYPE										
GROUP D1	6	1	12	8	107	23	2	12	15	186
GROUP D2	.	.	.	1	.	2	.	.	.	3
GROUP E1	1	.	1	2	10	1	3	.	3	21
GROUP E2	.	.	1	.	1	.	.	.	.	2
GROUP E4	.	.	1	.	1	.	.	1	.	3
GROUP F	.	.	1	.	3	.	.	.	1	5
GROUP G	.	.	2	7	6	20	4	3	.	42
GROUP H	.	.	2	.	2	.	.	.	.	4
GROUP I	.	.	1	1	2	2	.	.	.	6
GROUP J	.	.	1	.	.	.	.	.	.	1
GROUP K	.	.	.	1	3	.	.	.	1	5
GROUP N	.	.	.	.	1	.	.	.	.	1
GROUP O	.	.	.	.	3	.	.	.	.	3
GROUP P	.	.	1	.	.	.	.	.	.	1
GROUP R	.	.	.	.	2	1	.	.	.	3
GROUP S	.	.	3	1	.	.	.	.	1	5
GROUP T	.	.	.	.	.	.	.	.	1	1
GROUP U	1	.	.	1	.	.	.	.	2	4
GROUP V	3	1	7	.	3	4	.	.	8	26
GROUP W	2	2	1	2	2	2	1	.	9	21

(Continued)

TABLE 5
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND GEOGRAPHIC REGIONS, 1996

	REGION									
	New England	Mid Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific	TOTAL
SEROTYPE										
GROUP X	.	2	1	.	3	.	.	.	4	10
GROUP Y	.	.	3	.	5	1	1	1	4	15
GROUP Z	1	1	2	.	2	.	.	1	9	16
GUINEA	.	.	1	.	.	.	.	.	.	1
HAARDT	.	2	.	.	.	.	.	.	4	6
HADAR	79	210	111	28	57	21	18	37	97	658
HAGENBECK	1	.	.	.	.	.	.	.	.	1
HAIFA	.	.	.	.	1	.	.	.	2	3
HALMSTAD	.	.	.	.	.	.	.	1	.	1
HANDEN	.	.	.	.	.	.	1	.	.	1
HARTFORD	4	13	28	3	15	8	10	2	6	89
HAVANA	1	6	17	1	7	1	5	4	17	59
HEIDELBERG	176	336	311	140	275	126	78	110	446	1998
HILLINGDON	.	.	.	.	1	.	.	.	.	1
HINDMARSH	.	.	.	.	.	1	.	.	.	1
HOLCOMB	.	1	.	.	.	.	.	.	.	1
HOMOSASSA	.	.	.	.	1	.	.	.	.	1
HORSHAM	.	.	.	1	.	.	.	1	.	2
HOUTEN	.	.	1	11	7	.	.	1	1	21
HVITTINGFOSS	5	8	4	5	10	.	5	.	7	44

(Continued)

TABLE 5
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND GEOGRAPHIC REGIONS, 1996

	REGION									
	New England	Mid Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific	TOTAL
SEROTYPE										
IBADAN	1	5	.	.	12	1	14	.	.	33
IDIKAN	1	3	2	5	.	.	.	.	.	11
ILLINOIS	.	.	.	.	.	.	1	.	.	1
ILUGUN	.	.	.	.	3	.	.	.	.	3
IMO	.	1	.	.	.	.	.	.	.	1
INDIA	.	.	.	.	1	.	.	.	.	1
INDIANA	3	5	.	2	1	.	3	5	9	28
INFANTIS	48	67	71	43	41	21	56	51	105	503
INVERNESS	1	4	1	1	6	.	5	1	1	20
IPSWICH	.	.	.	.	.	.	.	.	1	1
IRUMU	2	.	1	1	.	.	1	2	11	18
ISANGI	.	.	1	.	.	.	.	.	.	1
ISTANBUL	.	.	.	.	.	.	.	.	9	9
ITAMI	.	.	.	.	.	.	.	1	.	1
ITURI	1	.	.	.	.	.	.	.	1	2
JANGWANI	.	4	1	.	2	.	.	.	.	7
JAVA	10	32	124	28	44	11	10	25	5	289
JAVIANA	103	30	61	34	235	56	149	40	41	749
JOAL	.	.	.	.	1	.	.	.	.	1
JOHANNESBURG	2	12	8	2	4	6	1	6	3	44

(Continued)

TABLE 5
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND GEOGRAPHIC REGIONS, 1996

	REGION									
	New England	Mid Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific	TOTAL
SEROTYPE										
KAAPSTAD	.	1	.	.	.	.	.	.	.	1
KAOLACK	.	1	.	.	.	.	.	.	.	1
KENTUCKY	7	24	7	2	4	1	5	4	24	78
KIAMBU	2	2	.	3	1	1	.	2	6	17
KIBUSI	.	3	.	.	.	.	.	.	.	3
KILWA	.	.	.	.	2	.	.	.	.	2
KINONDONI	.	1	.	.	.	.	.	.	.	1
KINSHASA	5	1	1	.	.	.	.	.	.	7
KINTAMBO	.	6	3	1	2	.	2	2	3	19
KOESSEN	.	.	.	1	.	.	.	.	.	1
KOKETIME	.	.	.	.	.	1	.	.	.	1
KOKOMLEMLE	.	1	1	.	.	.	.	.	.	2
KOTTBUS	1	2	2	1	1	.	.	.	2	9
KRALENDYK	3	2	1	1	1	1	.	4	2	15
KREFELD	.	.	1	.	.	.	.	.	1	2
KUA	.	1	.	.	.	.	.	.	.	1
LAGOS	.	.	1	.	.	.	.	.	.	1
LANGENSALZA	.	1	.	.	.	.	.	.	.	1
LAROCHELLE	.	.	.	.	1	.	3	.	.	4
LAWNDALE	.	.	.	.	.	.	1	.	.	1

(Continued)

TABLE 5
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND GEOGRAPHIC REGIONS, 1996

	REGION									
	New England	Mid Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific	TOTAL
SEROTYPE										
LEXINGTON	.	.	.	.	1	.	1	.	.	2
LIMETE	.	1	.	.	.	.	.	.	.	1
LINDENBURG	.	2	.	.	1	.	2	.	.	5
LINDI	.	.	.	.	1	.	.	.	.	1
LITCHFIELD	16	40	17	9	35	4	3	9	25	158
LIVERPOOL	1	2	.	.	.	.	.	.	.	3
LIVINGSTONE	.	2	1	.	1	.	2	6	6	18
LOHBRUEGGE	.	2	.	.	1	.	.	1	.	4
LOMALINDA	.	2	1	1	1	.	1	1	17	24
LOME	.	.	.	.	.	.	.	.	2	2
LOMITA	.	.	.	.	2	.	.	3	.	5
LONDON	.	4	3	.	8	.	3	2	3	23
LOSANGELES	.	.	.	.	.	.	1	.	.	1
LUCIANA	.	.	.	1	.	.	.	.	.	1
MADELIA	1	12	.	.	2	.	5	.	1	21
MALSTATT	.	2	.	.	.	.	.	.	.	2
MAMPEZA	.	1	.	.	.	.	.	.	.	1
MANHATTAN	8	21	25	6	10	3	6	6	16	101
MARINA	6	7	21	.	24	6	3	4	10	81
MATADI	.	2	12	.	1	2	.	4	6	27

(Continued)

TABLE 5
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND GEOGRAPHIC REGIONS, 1996

	REGION									
	New England	Mid Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific	TOTAL
SEROTYPE										
MBANDAKA	16	36	43	12	29	16	9	27	35	223
MELEAGRIDIS	2	2	5	4	8	.	1	24	161	207
MEMPHIS	.	.	.	.	1	.	.	.	.	1
MENHADEN	.	.	2	.	1	.	.	1	10	14
MGULANI	.	.	.	.	.	.	.	2	.	2
MIAMI	2	8	7	1	29	1	2	1	1	52
MICHIGAN	.	.	.	.	.	.	.	.	1	1
MINNEAPOLIS	.	.	.	.	.	.	.	1	.	1
MINNESOTA	2	4	6	1	3	1	3	2	6	28
MISSISSIPPI	3	9	3	2	53	30	75	.	5	180
MONS	1	.	.	.	1	.	.	.	.	2
MONSCHAUI	1	3	1	.	.	1	1	2	2	11
MONTEVIDEO	36	88	71	39	82	19	76	102	714	1227
MOSCOW	.	.	1	.	.	.	.	.	.	1
MOWANJUM	.	.	.	.	2	.	.	.	.	2
MUENCHEN	49	61	69	24	158	32	62	35	105	595
MUENSTER	12	22	11	3	10	.	15	6	17	96
NACHSHONIM	.	.	.	.	.	.	.	1	.	1
NAMIBIA	.	.	.	.	1	.	.	.	.	1
NAPOLI	.	.	.	.	.	.	.	.	1	1

(Continued)

TABLE 5
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND GEOGRAPHIC REGIONS, 1996

	REGION									
	New England	Mid Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific	TOTAL
SEROTYPE										
NARASHINO	.	.	.	.	.	.	.	.	1	1
NEWBRUNSWICK	6	4	1	.	1	.	3	.	7	22
NEWHAW	.	.	.	.	.	.	.	.	1	1
NEWINGTON	1	3	.	.	1	.	2	2	7	16
NEWLANDS	.	.	.	.	1	.	.	.	.	1
NEWPORT	88	166	171	155	469	93	398	140	305	1985
NEWROCHELLE	.	.	.	.	1	.	.	.	.	1
NEWYORK	.	2	1	.	.	.	.	.	.	3
NIGERIA	1	.	.	.	.	.	.	.	.	1
NIMA	.	.	3	.	.	.	.	.	1	4
NITRA	.	3	.	.	.	.	.	.	.	3
NOLA	.	.	.	1	.	.	.	.	.	1
NORWICH	2	4	4	10	3	9	16	4	.	52
NOTTINGHAM	.	.	.	.	1	1	1	.	.	3
OAKLAND	.	1	.	.	2	.	.	.	1	4
OHIO	5	10	10	4	3	3	6	6	20	67
OKATIE	.	1	.	.	.	.	.	.	.	1
ONDERSTEPOORT	.	1	.	.	.	.	.	.	1	2
ORANIENBURG	40	63	105	41	53	15	75	110	188	690
ORIENTALIS	.	.	6	.	.	.	.	.	.	6

(Continued)

TABLE 5
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND GEOGRAPHIC REGIONS, 1996

	REGION									
	New England	Mid Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific	TOTAL
SEROTYPE										
ORION	2	1	1	.	1	1	.	.	.	6
OSLO	1	4	8	3	1	.	.	3	11	31
OTHMARSCHEN	.	.	2	3	.	.	.	.	1	6
OVERSCHIE	.	1	.	.	2	.	.	.	1	4
PAKISTAN	.	.	2	.	.	.	.	.	.	2
PANAMA	9	20	19	5	6	3	19	17	50	148
PARATYPHI A	6	22	12	6	10	1	6	4	19	86
PARATYPHI B	49	26	24	5	15	4	49	18	108	298
PARATYPHI C	.	.	.	.	.	.	.	1	.	1
PARERA	.	2	1	.	1	.	.	.	3	7
PATIENCE	.	.	.	.	.	.	.	.	1	1
PENSACOLA	.	1	.	.	2	.	1	.	.	4
PHOENIX	.	.	.	.	.	.	6	1	2	9
PLYMOUTH	.	.	.	.	1	.	.	.	.	1
POANO	2	.	1	.	1	.	.	.	1	5
POMONA	1	5	1	1	.	1	3	6	11	29
POONA	28	57	75	27	51	13	36	50	78	415
PORTSMOUTH	1	.	.	.	.	.	.	.	.	1
POTSDAM	.	.	.	.	.	.	.	.	3	3
PUTTEN	.	2	1	1	.	.	.	.	2	6

(Continued)

TABLE 5
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND GEOGRAPHIC REGIONS, 1996

	REGION									
	New England	Mid Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific	TOTAL
SEROTYPE										
RAUS	.	.	.	.	.	.	3	.	.	3
READING	22	30	35	2	6	1	4	5	26	131
REDLANDS	.	.	.	1	.	.	.	.	.	1
REMO	1	1	.	.	.	.	.	.	.	2
RICHMOND	1	.	1	.	1	1	.	1	1	6
RISSEN	.	2	.	.	1	.	.	.	2	5
ROMANBY	.	3	1	.	.	.	.	.	1	5
ROSTOCK	.	.	.	1	.	.	.	.	.	1
ROTERBERG	.	2	.	.	.	.	.	.	.	2
RUBISLAW	1	5	1	7	27	1	22	.	7	71
SAINTPAUL	50	93	57	20	65	18	45	59	155	562
SALINATIS	.	.	.	.	.	.	.	.	3	3
SANDIEGO	5	9	8	7	4	.	7	7	9	56
SANTIAGO	.	.	.	.	.	.	.	1	.	1
SAO	.	.	.	.	1	.	.	.	.	1
SAPHRA	.	.	.	.	.	.	9	.	2	11
SCHLEISSHEIM	.	.	2	1	.	6	.	.	.	9
SCHWARZENGRUND	17	40	21	11	25	4	4	5	30	157
SCHWERIN	.	.	.	.	.	.	1	.	.	1
SENFTENBERG	5	17	38	10	12	1	18	16	50	167

(Continued)

TABLE 5
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND GEOGRAPHIC REGIONS, 1996

	REGION									
	New England	Mid Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific	TOTAL
SEROTYPE										
SEREMBAN	.	.	.	.	.	.	.	1	.	1
SETUBAL	.	.	.	.	1	.	.	.	.	1
SHANGANI	.	1	.	.	.	.	.	.	.	1
SHOMRON	.	.	.	.	.	.	.	.	1	1
SHUBRA	2	.	.	.	.	.	.	.	.	2
SINGAPORE	1	1	2	.	.	.	1	.	7	12
SINSTORF	1	.	1	.	.	.	1	1	.	4
SOERENGA	.	.	.	.	.	.	.	2	4	6
SOMONE	.	.	5	.	.	.	.	.	.	5
SOUTHBANK	.	1	.	.	.	.	.	.	.	1
STACHUS	.	.	.	.	1	.	.	.	.	1
STANLEY	4	26	33	5	34	6	15	15	62	200
STANLEYVILLE	3	21	.	.	.	.	.	.	2	26
STRASBOURG	.	1	.	.	.	.	.	.	.	1
SUBSPECIES I	3	22	2	1	1	.	1	.	2	32
SUBSPECIES II	.	2	4	2	.	.	13	.	1	22
SUBSPECIES III	.	.	.	.	.	.	.	2	1	3
SUBSPECIES IIIA	.	.	1	.	1	1	2	5	1	11
SUBSPECIES IIIA/IIIB	.	.	1	3	13	.	6	5	.	28
SUBSPECIES IIIB	2	.	1	1	1	1	1	3	3	13

(Continued)

TABLE 5
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND GEOGRAPHIC REGIONS, 1996

	REGION									
	New England	Mid Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific	TOTAL
SEROTYPE										
SUBSPECIES IV	.	2	1	6	.	4	1	1	6	21
SUBSPECIES VI	.	1	.	.	.	.	.	.	.	1
SUNDSVALL	1	2	3	.	1	.	15	2	1	25
SYDNEY	.	1	1	.	1	.	.	.	1	4
TAKORADI	.	1	1	.	.	.	.	1	1	4
TAKSONY	.	2	.	.	.	.	.	.	3	5
TALLAHASSEE	2	.	.	.	.	.	.	3	.	5
TAMALE	.	.	.	.	.	2	.	.	.	2
TELELKEBIR	.	2	6	.	.	.	.	1	4	13
TENNESSEE	6	5	19	7	6	5	8	6	34	96
TEXAS	.	.	.	.	.	1	.	.	.	1
THOMASVILLE	.	.	.	.	1	.	.	.	.	1
THOMPSON	74	109	104	60	70	13	44	15	97	586
TILENE	.	1	2	.	1	.	1	1	1	7
TOUCRA	.	.	.	1	1	1	.	.	.	3
TSEVIE	.	.	.	.	1	.	.	.	.	1
TSHIONGWE	.	.	.	.	4	.	.	.	.	4
TUCSON	.	.	.	.	.	.	1	.	.	1
TUINDORP	.	.	1	.	.	.	.	.	.	1
TYGERBERG	.	1	.	.	.	.	.	.	.	1

(Continued)

TABLE 5
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND GEOGRAPHIC REGIONS, 1996

	REGION									
	New England	Mid Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific	TOTAL
SEROTYPE										
TYPHI	25	142	41	14	46	6	27	8	131	440
TYPHIMURIUM	651	1589	1436	683	1556	448	627	559	1453	9002
TYPHIMURIUM VAR COPE	119	79	.	.	.	1	.	16	284	499
TYRESOE	.	.	.	.	.	.	1	.	.	1
UCCLE	.	.	.	.	.	.	.	1	.	1
UGANDA	2	1	14	3	11	1	3	18	10	63
UNKNOWN	11	82	34	10	80	371	10	29	46	673
UPHILL	.	1	.	.	.	.	.	.	.	1
UPPSALA	.	.	.	1	.	.	.	.	.	1
URBANA	1	16	8	7	12	2	4	.	10	60
VICTORIA	.	.	.	.	1	.	.	2	.	3
VILVOORDE	.	.	2	.	.	.	.	.	.	2
VIRCHOW	7	13	18	4	7	3	1	1	13	67
VIRGINIA	.	4	.	1	.	.	.	.	2	7
VOLKSDORF	1	.	.	.	.	1	.	.	.	2
WA	.	.	.	.	1	.	.	.	.	1
WANDSWORTH	.	2	.	.	1	1	.	.	2	6
WASHINGTON	.	1	.	.	.	.	.	.	.	1
WASSENAAR	1	4	3	.	2	.	.	1	7	18
WAYCROSS	1	.	.	.	.	.	.	2	1	4

(Continued)

TABLE 5
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND GEOGRAPHIC REGIONS, 1996

	REGION									
	New England	Mid Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific	TOTAL
SEROTYPE										
WAYNE	.	.	1	.	.	.	.	.	.	1
WELTEVREDEN	1	.	7	.	1	.	1	1	75	86
WESTHAMPTON	.	2	.	.	2	.	.	.	2	6
WIDEMARSH	1	.	1	.	.	.	.	.	1	3
WIL	.	1	.	.	.	.	.	.	.	1
WISBECH	.	.	.	.	.	.	.	2	.	2
WORTHINGTON	2	10	6	3	13	1	2	4	17	58
YARRABAH	.	1	.	.	.	.	.	.	.	1
YEERONGPILLY	.	1	.	.	.	.	.	.	.	1
ZANZIBAR	.	.	2	.	.	.	.	.	.	2
TOTAL	3004	6823	5312	2190	5854	1854	2630	2736	8632	39035

TABLE 6
CLINICAL SALMONELLA ISOLATIONS FROM NONHUMAN SOURCES
REPORTED TO CDC AND USDA BY SEROTYPE AND SOURCE, 1996

	NONHUMAN SOURCE										
	CHICKEN INCLUDING EGGS	TURKEY	PORCINE	BOVINE	EQUINE	OTHER DOMESTIC ANIMAL / ENVIRONMENT	FEED AND FEED SUPPLY	OTHER BIRD/WILD ANIMAL	REPTILE / ENVIRONMENT	ALL OTHER	TOTAL
SEROTYPE											
ABAETETUBA									1	1	2
ADELAIDE		6	2				1			15	24
AGONA	146	114	192	68		2	15			110	647
AGOUEVE									1		1
ALACHUA	23			1						4	28
ALBANY	3			14			2			1	20
AMAGER	1	1					1				3
AMSTERDAM		3					13			1	17
ANATUM	14	22	166	228	1	1	9	1		38	480
AQUA									1		1
ARKANSAS	3	3					10				16
ASSEN										1	1
BABELSBERG							1				1
BANANA	2		1	1		1				2	7
BARDO		5			1		1		1	9	17
BAREILLY	16	1	1	2			1		2	3	26
BERE		1					1				2
BERGEN				1							1
BERN	1										1
BERTA	33	4	8	2						9	56
BIETRI			1				4			1	6

(Continued)

TABLE 6
CLINICAL SALMONELLA ISOLATIONS FROM NONHUMAN SOURCES
REPORTED TO CDC AND USDA BY SEROTYPE AND SOURCE, 1996

	NONHUMAN SOURCE										
	CHICKEN INCLUDING EGGS	TURKEY	PORCINE	BOVINE	EQUINE	OTHER DOMESTIC ANIMAL / ENVIRONMENT	FEED AND FEED SUPPLY	OTHER BIRD/WILD ANIMAL	REPTILE / ENVIRONMENT	ALL OTHER	TOTAL
SEROTYPE											
BINZA	2	1	2	5			2			1	13
BLIJDORP										2	2
BLUKWA										5	5
BONAIRE									1	1	2
BOVISMORBIFICANS	6		3	12	1					6	28
BRAENDERUP	95	9	3	14	2		2		1	22	148
BRANDENBURG	23	277	90	7		1	2	1		12	413
BREDENEY	21	98	8	15		1	1	2		30	176
CARMEL									1		1
CARRAU									3		3
CERRO	31	2		239		1	18		1	13	305
CHAILEY										1	1
CHAMELEON									2	13	15
CHELTENHAM										1	1
CHESTER		6		1					2		9
CHOLERAESUIS			78							3	81
CHOLERAESUIS VAR KUN			512	2						11	525
CONCORD									1		1
CUBANA	13	63	6	5			2			17	106
DERBY	7	25	689	28			9	1		43	802
DRYPOOL	11	1	4	3			4				23

(Continued)

TABLE 6
CLINICAL SALMONELLA ISOLATIONS FROM NONHUMAN SOURCES
REPORTED TO CDC AND USDA BY SEROTYPE AND SOURCE, 1996

	NONHUMAN SOURCE										
	CHICKEN INCLUDING EGGS	TURKEY	PORCINE	BOVINE	EQUINE	OTHER DOMESTIC ANIMAL / ENVIRONMENT	FEED AND FEED SUPPLY	OTHER BIRD/WILD ANIMAL	REPTILE / ENVIRONMENT	ALL OTHER	TOTAL
SEROTYPE											
DUBLIN			1	213		1				6	221
EALING							1				1
EASTBOURNE									1		1
ENTERITIDIS	349	8	10	30		13	1		2	109	522
FALKENSEE			1								1
FLINT									4	5	9
FLORIDA									3		3
FLUNTERN									1		1
FRESNO							1				1
GAMINARA	1			3			1		1	11	17
GBADAGO									1		1
GERA	3						3				6
GIVE	8	2		118		2		1	2	10	143
GODESBERG										3	3
GROUP 53									1		1
GROUP 58									1		1
GROUP 60									1		1
GROUP 61						1					1
GROUP B		1				1					2
GROUP C1	1									1	2
GROUP C2	1								2		3

(Continued)

TABLE 6
CLINICAL SALMONELLA ISOLATIONS FROM NONHUMAN SOURCES
REPORTED TO CDC AND USDA BY SEROTYPE AND SOURCE, 1996

	NONHUMAN SOURCE										
	CHICKEN INCLUDING EGGS	TURKEY	PORCINE	BOVINE	EQUINE	OTHER DOMESTIC ANIMAL / ENVIRONMENT	FEED AND FEED SUPPLY	OTHER BIRD/WILD ANIMAL	REPTILE / ENVIRONMENT	ALL OTHER	TOTAL
SEROTYPE											
GROUP E1				2							2
GROUP F								1			1
GROUP G								1			1
GROUP K		1						3			4
GROUP L				1							1
GROUP P									1		1
GROUP V						1			4		5
GROUP X						1			1		2
GROUP Y									4		4
GROUP Z									1		1
HAARDT	6	1									7
HADAR	263	115		2			1	1	2	56	440
HARTFORD				2	8					8	18
HAVANA	5	1	1	10		1	14		1	3	36
HEIDELBERG	980	116	431	9	1		10		1	93	1641
HENNEPIN									2		2
HINDMARSH				3							3
HOFIT									1		1
HOUTEN									2	1	3
HVITTINGFOSS									1	2	3
ILLINOIS	1	1		4			1				7

(Continued)

TABLE 6
CLINICAL SALMONELLA ISOLATIONS FROM NONHUMAN SOURCES
REPORTED TO CDC AND USDA BY SEROTYPE AND SOURCE, 1996

	NONHUMAN SOURCE										
	CHICKEN INCLUDING EGGS	TURKEY	PORCINE	BOVINE	EQUINE	OTHER DOMESTIC ANIMAL / ENVIRONMENT	FEED AND FEED SUPPLY	OTHER BIRD/WILD ANIMAL	REPTILE / ENVIRONMENT	ALL OTHER	TOTAL
SEROTYPE											
INDIANA	5	1								1	7
INFANTIS	75	22	44	66	1	5	23			121	357
IRUMU									2		2
ISTANBUL	47	15					1			4	67
ITURI										1	1
JANGWANI									1		1
JAVA	1	1	4	16	2		2		1	17	44
JAVIANA		19		1				1		20	41
JOHANNESBURG	23	8	8	1		1	13			11	65
KEDOUGOU			1								1
KENTUCKY	337	225	2	230			9	1	1	186	991
KHAMI									2	3	5
KIAMBU	9			2							11
KINSHASA							2				2
KINTAMBO									2		2
KOTTBUS		1								1	2
KRALENDYK									1	8	9
KREFELD					1					1	2
LEXINGTON	3	1	1				4			1	10
LILLE	13	1		73			9				96
LITCHFIELD	12		6	4						8	30

(Continued)

TABLE 6
CLINICAL SALMONELLA ISOLATIONS FROM NONHUMAN SOURCES
REPORTED TO CDC AND USDA BY SEROTYPE AND SOURCE, 1996

	NONHUMAN SOURCE										
	CHICKEN INCLUDING EGGS	TURKEY	PORCINE	BOVINE	EQUINE	OTHER DOMESTIC ANIMAL / ENVIRONMENT	FEED AND FEED SUPPLY	OTHER BIRD/WILD ANIMAL	REPTILE / ENVIRONMENT	ALL OTHER	TOTAL
SEROTYPE											
LIVERPOOL										1	1
LIVINGSTONE	7	4	4	5			8			7	35
LLANDOFF										1	1
LOCKLEAZE	1										1
LOHBRUEGGE									1	1	2
LOME										1	1
LONDON	4		3	6			1			5	19
MADELIA				1							1
MANHATTAN	2	1	15	3			1			10	32
MANILA				4							4
MARACAIBO										1	1
MARINA									5	19	24
MATADI						1				1	2
MBANDAKA	42	15	76	117			18		1	17	286
MELEAGRIDIS	4	1	6	172		1	2	5		4	195
MENHADEN			1	118						1	120
MGULANI										1	1
MIAMI				1						1	2
MINNESOTA				6						6	12
MISSISSIPPI				1						1	2
MOLADE	4						2				6

(Continued)

TABLE 6
CLINICAL SALMONELLA ISOLATIONS FROM NONHUMAN SOURCES
REPORTED TO CDC AND USDA BY SEROTYPE AND SOURCE, 1996

	NONHUMAN SOURCE										
	CHICKEN INCLUDING EGGS	TURKEY	PORCINE	BOVINE	EQUINE	OTHER DOMESTIC ANIMAL / ENVIRONMENT	FEED AND FEED SUPPLY	OTHER BIRD/WILD ANIMAL	REPTILE / ENVIRONMENT	ALL OTHER	TOTAL
SEROTYPE											
MONTEVIDEO	108	181	8	589		1	35		5	26	953
MUENCHEN	5	4	13	61	3	1			3	23	113
MUENSTER	20	164	4	201	1		2			17	409
NASHUA									1		1
NEWBRUNSWICK		6	2	45			3			22	78
NEWHAW							3				3
NEWINGTON	1		4	58			1		1	11	76
NEWPORT	23	3	9	30	1	1			5	100	172
NIAKHAR				2							2
NIMA										2	2
NORWICH			1							1	2
NYANZA										1	1
OHIO	29	27	18	15			5			4	98
ORANIENBURG	27	1	2	24	1	2	7		3	20	87
ORION	11	7		4	1					2	25
PAKISTAN	1										1
PANAMA		1	5	38				2	1		47
PARATYPHI B									2		2
PARERA									5	4	9
PHOENIX								1		1	2
POMONA		1	5	4			3		3		16

(Continued)

TABLE 6
CLINICAL SALMONELLA ISOLATIONS FROM NONHUMAN SOURCES
REPORTED TO CDC AND USDA BY SEROTYPE AND SOURCE, 1996

	NONHUMAN SOURCE										
	CHICKEN INCLUDING EGGS	TURKEY	PORCINE	BOVINE	EQUINE	OTHER DOMESTIC ANIMAL / ENVIRONMENT	FEED AND FEED SUPPLY	OTHER BIRD/WILD ANIMAL	REPTILE / ENVIRONMENT	ALL OTHER	TOTAL
SEROTYPE											
POONA				5		1			9	21	36
PULLORUM	10									20	30
PUTTEN	1	20	1				2			1	25
READING		46	14	5		1	1			21	88
RISSEN				2							2
ROTERBERG									2	2	4
RUBISLAW				6					1	4	11
SACHSENWALD										2	2
SAINTPAUL	9	3				9		40		36	97
SANDIEGO	10			1						3	14
SCHWARZENGRUND	109	42	39	34		1	35			8	268
SEMINOLE										2	2
SENFTENBERG	106	129	53	58			28		1	34	409
SINGAPORE									1	1	2
SOAHANINA										1	1
SOERENGA							2				2
STANLEY		1		2							3
SUBSPECIES IIIA						1				1	2
SUBSPECIES IIIA/IIIB				1					4		5
SUNDSVALL						1			1	6	8
TAKSONY				6							6

(Continued)

TABLE 6
CLINICAL SALMONELLA ISOLATIONS FROM NONHUMAN SOURCES
REPORTED TO CDC AND USDA BY SEROTYPE AND SOURCE, 1996

	NONHUMAN SOURCE										
	CHICKEN INCLUDING EGGS	TURKEY	PORCINE	BOVINE	EQUINE	OTHER DOMESTIC ANIMAL / ENVIRONMENT	FEED AND FEED SUPPLY	OTHER BIRD/WILD ANIMAL	REPTILE / ENVIRONMENT	ALL OTHER	TOTAL
SEROTYPE											
TENNESSEE	50	6	35	4			11			11	117
THOMASVILLE	4	1					6				11
THOMPSON	60	4	8	14	4	2	2	1	3	13	111
TILENE										3	3
TUINDORP										4	4
TUMODI		1									1
TYPHIMURIUM	124	57	461	503	47	30	15	6	1	335	1579
TYPHIMURIUM VAR COPE	197	67	247	578	4	19	7	17	5	238	1379
UGANDA	1	10	1	11			2			5	30
UNKNOWN						1		1	8	14	24
UPHILL										1	1
URBANA	2						1		4	5	12
UZARAMO			1						1		2
VIRCHOW									1		1
VIRGINIA				2							2
VOLKSDORF										3	3
WARAL								10			10
WASSENAAR									1	11	12
WAYCROSS										1	1
WELTEVREDEN									1		1
WORTHINGTON	55	149	89	8			13	1		27	342

(Continued)

TABLE 6
CLINICAL SALMONELLA ISOLATIONS FROM NONHUMAN SOURCES
REPORTED TO CDC AND USDA BY SEROTYPE AND SOURCE, 1996

	NONHUMAN SOURCE										
	CHICKEN INCLUDING EGGS	TURKEY	PORCINE	BOVINE	EQUINE	OTHER DOMESTIC ANIMAL / ENVIRONMENT	FEED AND FEED SUPPLY	OTHER BIRD/WILD ANIMAL	REPTILE / ENVIRONMENT	ALL OTHER	TOTAL
SEROTYPE											
YOVOKOME		1									1
ZANZIBAR										1	1
TOTAL	3621	2135	3401	4183	80	107	411	98	149	2214	16399