

# National Enteric Disease Surveillance: *Salmonella* Annual Report, 2011

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### Appendix 1. Laboratory-confirmed *Salmonella* infections reported to CDC, by age group and sex, 2011

Age Group	Sex			Total
	Female	Male	Unknown	
< 1 year	2096	2371	362	4829
1 to 4 years	3252	3543	509	7304
5 to 9 years	1617	1856	243	3716
10 to 19 years	1828	2238	200	4266
20 to 29 years	2294	1951	186	4431
30 to 39 years	1925	1651	184	3760
40 to 49 years	2103	1765	245	4113
50 to 59 years	2431	1931	252	4614
60 to 69 years	1954	1516	255	3725
70 to 79 years	1527	1016	150	2693
80+ years	1130	553	120	1803
Unknown Age	183	154	237	574
	<b>22340</b>	<b>20545</b>	<b>2943</b>	<b>45828</b>

**Appendix 2.** Laboratory-confirmed *Salmonella* infections reported to CDC, by serotype and reporting jurisdiction (AK to KS), 2011

Serotype	States																
	AK	AL	AR	AZ	CA	CO	CT	DC	DE	FL	GA	HI	IA	ID	IL	IN	KS
Adelaide				1	17	4	2				3	2			15	1	1
Agama																1	
Agbeni					1										10	2	
Ago					1											1	
Agona	3	10	2	13	55	6	2		1		20	6	5		30	4	9
Agoueve					2											1	
Alabama			1								2						
Alachua				1	1						1						
Albany		1		1	9	1					1		1			1	
Albert											1						
Albuquerque																	1
Altona				1							2			2	1	1	
Amager					1												
Amsterdam			1												1		
Amsterdam var. 15+															1		
Anatum		5	5	24	32	3	4		1		11	1	2		19	4	1
Anatum var. 15+					16												
Anfo					2												
Apapa					1												
Aqua				2							1						
Arechavaleta															1		1
Assen											1						1
Baildon		1					1				2				4		
Bareilly		34	37	2	22	2	4				45	3	3		10	5	
Barranquilla											7		1				
Benin				1	2												
Berta		7	3	2	35	3	4		1		11	3	11	1	15	6	5
Blockley				9	1				1								
Bovismorbificans					12	1		10	2		4		4	1	7	5	
Braenderup	2	29	8	6	79	9	8		1		40	2	10	3	23	12	9
Brandenburg		3			7			1			2	1			4	1	1
Brazzaville							1										
Bredeney		2		5	1	1					1		2	1	2		
Cannstatt				2							1				1		
Caracas			1											1			
Carmel						1											
Carrau		1			2					1					2		
Cerro		2		1							3				1	2	
Cerro var. 14+					2												

**Appendix 2.** Laboratory-confirmed *Salmonella* infections reported to CDC, by serotype and reporting jurisdiction (AK to KS), 2011

Serotype	States																
	AK	AL	AR	AZ	CA	CO	CT	DC	DE	FL	GA	HI	IA	ID	IL	IN	KS
Chailey					3										1		
Chester		3			5		1								1		
Chincol						1											
Choleraesuis											1				1		
Choleraesuis var. Kunzendorf					2												
Coeln													1				
Concord			1			1							1			1	
Corvallis			1	1	6	1	1								1		
Cotham				6	3	1					1		2		1		
Cubana				1	5	1								1			
Cyprus											1						
Daytona			1								5						
Denver				3													
Derby	1	3	4	1	14	1					6	9	1		5	2	
Dublin		1		3	30	2	2					2	1		4	2	
Duisburg					4												
Durban												1					
Durham								2									
Ealing		1			6		2										
Eastbourne					2	1					1	1	1		1		1
Elisabethville												1					
Enteritidis	21	175	54	130	586	88	208	40	35	12	215	78	85	45	251	138	30
Eschberg			1														
Fluntern					2										1		
Frankfurt												1					
Freetown				1													
Galiema					1												
Gaminara		2		3	5	1			1		6				2		
Garba					1												
Gatuni							2										
Give		8		6	8	1						10			3		3
Give var. 15+					1												
Glostrup					1										1		
Goettingen					1												
Guinea					2												
Hadar	1			5	21	1	1		1		1	2		7	13	2	4
Haifa					1										1		
Hartford		13	4	1	2	1	4	1			17	1	8		12	21	3

**Appendix 2.** Laboratory-confirmed *Salmonella* infections reported to CDC, by serotype and reporting jurisdiction (AK to KS), 2011

Serotype	States																
	AK	AL	AR	AZ	CA	CO	CT	DC	DE	FL	GA	HI	IA	ID	IL	IN	KS
Havana		1			4							1	1			1	
Heidelberg	5	18	5	27	173	38	4	1	2		27	18	8	7	31	10	7
Herston			1														
Hull																1	
Hvittingfoss		1	1		13							1	1		7	1	2
Indiana				1	2												
Infantis	2	18	13	16	88	10	4	2	3	1	20	13	13	1	61	17	3
Inverness		7									11					1	
Irumu					1												
Javiana		230	84	31	30	12	16	1	16		497	4	6	1	16	9	6
Johannesburg		3	2	2	4		1				4	3	1		4	1	1
Kentucky					22		3	2			1		1		3	1	
Kiambu		1	1	1	26	3		1			5				2	1	
Kingston				1													
Kintambo					1	1					1						
Kisangani															1		
Kisarawe					3												
Kivu		1									1						
Kottbus					3	1									4	1	
Lagos			1										1				
Lattenkamp																1	
Lexington					1												
Litchfield		10	4	8	17	2	1				8		7		7		3
Liverpool				1		1									2	2	
Livingstone		1		1							1	1					
Lomalinda			1		13		2										1
London					3		1								5		
Loubomo				1													
Luciana			1														
Luke																1	
Manhattan		2		2	27				2		2		1		1	1	
Matadi					1												
Mbandaka		6	3	5	41		1		11		7		2	4	8	5	1
Meleagridis					5	3					1						
Miami		13		2	10	2	5				18		1		2	1	
Michigan					2												
Minnesota		1		2	2	1					1		3		2		2
Mississippi		80	18		1	2	3				31			1	2	3	1

**Appendix 2.** Laboratory-confirmed *Salmonella* infections reported to CDC, by serotype and reporting jurisdiction (AK to KS), 2011

Serotype	States																
	AK	AL	AR	AZ	CA	CO	CT	DC	DE	FL	GA	HI	IA	ID	IL	IN	KS
Molade						1											
Monschaui					2											1	
Montaigu					1												
Montevideo		91	5	26	110	23	3	1	2		67	3	19	2	20	12	22
Montreal		1															
Muenchen		89	6	29	78	7	6	1	2		111	34	10	3	23	11	20
Muenster					7	2	3				1		1		2	1	
Napoli					1										1		
Newport	8	283	199	131	202	56	25	3	32	4	452	13	18	14	139	70	49
Nima					2										1	1	
Nitra									1								
Norwich		10	19	2	2	1			2		8				1	1	4
Nottingham							1										
Obogu													1				
Ohio		1			4		2					1			9	1	
Ontario		1															
Oranienburg		10	3	55	52	11	11	2			24	1	5	8	36	12	4
Orion					2												
Oritamerin		1									1						
Oslo					4	1					1	10			1		
Othmarschen		1	3			2											
Ouakam					1								1				
Panama		1		26	16	3	3	5			9	2	1		6		2
Papuana												1					
Paratyphi A				1	29	2	4		2		4				15	4	
Paratyphi B	2			1		2	1	1						2	3		
Paratyphi B var. L(+) tartrate+			2	6	40	10	1			2	9	4	1	2	10	3	7
Paratyphi C																1	
Pensacola		5	1								3						
Ploufragan																	1
Poano				3													
Pomona				4	16	3					3			2			
Poona		5		55	31	4	1				8	2			4	2	2
Potsdam					3		2				1						
Putten							1								3		
Reading			1	1	4	1	1						1		1	2	
Richmond					1										1		
Rissen				2	7	1									2		
Roodepoort					1												

**Appendix 2.** Laboratory-confirmed *Salmonella* infections reported to CDC, by serotype and reporting jurisdiction (AK to KS), 2011

Serotype	States																
	AK	AL	AR	AZ	CA	CO	CT	DC	DE	FL	GA	HI	IA	ID	IL	IN	KS
Rubislaw		22	22	8	4		1	1		1	28				5	2	
Saintpaul	2	31	4	40	56	10	4	4	1		51	2	3	4	21	11	4
Sandiego	2	4	5	14	13	7	1			1	4		1		4	3	1
Sanger													1		4		
Saphra					1												
Schwarzengrund		6		5	11	3	4		2		5		1		9	4	1
Senftenberg		4		1	43	3	2	1			3				4	3	1
Singapore					2	1					1					1	
Soerenga					1										1		
Stanley	6	3	2	3	38	2	2	1	1		5	7	1		1	2	1
Stanleyville					3												
Sundsvall				3											1		
Takoradi		1									1						
Tallahassee											2						
Tananarive							1										
Teddington					1												
Teitelkebir			1	2	4											1	
Tennessee		2			1							2			1		
Tennyson						1											
Thompson	1	8	9	16	47	6	9	1			5	1	7	2	18	16	7
Tilene						1											
Tucson				1	1												
Typhi			2	2	96	5	9	3	3			2	8		20	6	2
Typhimurium	7	301	119	70	497	60	58	17	22		135	78	62	20	147	116	39
Typhimurium var. 5-				16	118	22	18				75		10	5	40	15	35
Uccle		1															
Uganda		1			7	1	1				8				3	2	
Uganda var. 15+					7										1		
Umbilo					1												
Uppsala				4													
Urbana		2		1	7						3	1		1	5		
Virchow		1	1	1	17		1				1				4	1	1
Wandsworth		1															
Waycross					1												
Wedding			1														
Weltevreden					7							13		1	6	2	1
Weslaco											1						
Westhampton		1															
Widemarsh					1												

**Appendix 2.** Laboratory-confirmed *Salmonella* infections reported to CDC, by serotype and reporting jurisdiction (AK to KS), 2011

Serotype	States																
	AK	AL	AR	AZ	CA	CO	CT	DC	DE	FL	GA	HI	IA	ID	IL	IN	KS
Worthington		1	1		3		2								1		
I 3,10:-:1,5					2		1										
I 3,10:-:l,w															1		
I 4,12:-:e,n,x							1										
I 4,12:f,g,s:-					3												
I 4,[5],12:-:1,2					1		3				1				1	1	
I 4,[5],12:b:-				1								1	9		15		
I 4,[5],12:b:- var. L(+) tartrate+			2		14		6		3		7					13	
I 4,[5],12:d:-												1			1	1	
I 4,[5],12:e,h:-							1				1						
I 4,[5],12:i:-		54	30	15	167	18	16	2	9		65	15	36	3	59	36	15
I 6,14:y:-											1						
I 6,7:-:1,5					1		2					1			8		8
I 6,7:-:1,6															1		
I 6,7:-:e,n,z15							1										
I 6,7:c:-							1										
I 6,7:e,h:-															1		
I 6,7:k:-				6	6	1	2				1	1			1		
I 6,7:l,w:-						1	1										
I 6,7:r:-					1		2		1				1		2		
I 6,7:y:-			1														
I 6,7:z10:-					1		1										
I 6,8:-:1,2							1				1						
I 6,8:-:e,n,x																	1
I 6,8:b:-							1										
I 6,8:d:-					1						1				1		
I 6,8:e,h:-					1		3								5		
I 6,8:z10:-							1										
I 8,20:i:-							1										
I 9,12:a:-															1		
I 9,12:l,z28:-					1		1				8				4	1	
I 11:r:-															1		
I 13,22:z:-					1												
I 13,23:b:-											116		1		1		
I 16:l,v:-					1												
I 17:-:e,n,x						1											
I 45:b:-			1		2												
I 47:z4,z23:-					3												
II 4,5,12:a:-													1				

**Appendix 2.** Laboratory-confirmed *Salmonella* infections reported to CDC, by serotype and reporting jurisdiction (AK to KS), 2011

Serotype	States																
	AK	AL	AR	AZ	CA	CO	CT	DC	DE	FL	GA	HI	IA	ID	IL	IN	KS
II 9,12:l,w:e,n,x				1													
II 9,12:z29:1,5		1															
II 13,23:b:[1,5]:z42		21															
II 16:m,t:-			1														
II 17:b:-						1											
II 40:c:e,n,x,z15					1												
II 47:b:1,5				1													
II 47:b:e,n,x,z15				2													
II 48:a:z39				1													
II 48:a:z6				1													
II 48:d:z6					1												
II 50:b:z6					1												
II 60:g,m,t:z6		1															
IIIa 13,22:z4,z23:-					1												
IIIa 13,23:g,z51:-											1						
IIIa 18:g,z51:-						1											
IIIa 18:z4,z23:-				1	31												
IIIa 21:g,z51:-					1												
IIIa 40:g,z51:-				2	1												
IIIa 40:z36:-					1												
IIIa 41:z4,z23:-		2		1	5	1							1				
IIIa 43:z4,z23:-					3												
IIIa 44:z4,z23,z32:-					1												
IIIa 48:g,z51:-				2	1			3			2					1	
IIIa 48:z36:-				1													
IIIa 48:z4,z24:-		1			9	1					1						
IIIa 50:g,z51:-							1										
IIIa 51:z4,z23:-											1						
IIIa 53:z4,z23,z32:-					1												
IIIa 53:z4,z23:-				1	1						1						
IIIa 56:z4,z23:-					2										2		1
IIIb 16:z10:e,n,x,z15					1												
IIIb 35:l,v:z35											2						
IIIb 42:(k):z35					2												
IIIb 47:r:z53						1											
IIIb 48:i:z					2											1	
IIIb 48:l,v:z															1		
IIIb 50:k:z					3									2			
IIIb 50:k:z53					1												



**Appendix 2.** Laboratory-confirmed *Salmonella* infections reported to CDC, by serotype and reporting jurisdiction (AK to KS), 2011

Serotype	States																
	AK	AL	AR	AZ	CA	CO	CT	DC	DE	FL	GA	HI	IA	ID	IL	IN	KS
IIIb 50:l,v;z35					1												1
IIIb 50:r;z					2									1			
IIIb 50:z52;z35					1												
IIIb 50:z;z52						1											
IIIb 53:z10;z35				2													
IIIb 60:r:e,n,x,z15				1	2												
IIIb 60:r;z																	1
IIIb 60:z52;z53					2												
IIIb 61:-:1,5,[7]				1													
IIIb 61:c;z35					2												
IIIb 61:k:1,5,[7]				1	5												
IIIb 61:l,[v],[z13]:1,5,[7]				2	10												1
IIIb 61:l,[v],[z13]:z35					1												
IIIb 61:z52;z53					3											1	
IIIb 65:(k):z53					1												
IV 6,7:z4,z24:-								1									1
IV 16:z4,z32:-											1						
IV 40:z4,z24:-											1						
IV 43:z4,z23:-					1	1											
IV 44:z36,[z38]:-		1									2						
IV 44:z4,z23:-			1		1	1									1		
IV 44:z4,z24:-		1		1													
IV 48:g,z51:-											1					1	
IV 50:g,z51:-			1		4						1					1	
IV 50:z4,z23:-					1		1										
IV 53:z4,z23:-																	1
Partially serotyped	4		1	1	9		2			1	13	6	2		42	2	
Rough, mucoid, and/or nonmotile isolates			6	1	25	4	6		1		14	4			5	4	
Unknown	2	24	21			14	16	7	14	178	36	2	6			1	3
<b>Total</b>	<b>69</b>	<b>1689</b>	<b>730</b>	<b>908</b>	<b>3457</b>	<b>507</b>	<b>538</b>	<b>115</b>	<b>176</b>	<b>201</b>	<b>2358</b>	<b>373</b>	<b>394</b>	<b>148</b>	<b>1333</b>	<b>641</b>	<b>334</b>

**Appendix 2.** Laboratory-confirmed *Salmonella* infections reported to CDC, by serotype and reporting jurisdiction (KY to NV), 2011

Serotype	States																
	KY	LA	MA	MD	ME	MI	MN	MO	MS	MT	NC	ND	NE	NH	NJ	NM	NV
Aarhus									1								
Aba															1		
Aberdeen				3							2	1					
Abony									1						1		
Adelaide			1	1			2	3			3		1		1	2	1
Agbeni	1		1				1	1							1	1	
Agona	10	8	16	2		7	10	19	3		11	1	4		8	8	2
Agoueve								2									1
Alachua			1														
Albany		1	3			1									3		
Albert							1								1		
Altona	9		1	1		1	1		1		11						
Amager											1						
Amsterdam			1														
Anatum	2	18	2	3		5	9	8	1		4		3	1	2	4	2
Anatum var. 15+															1		
Aqua											3						
Arechavaleta															1		
Baildon						1											
Ball															1		
Bareilly	13	20	3	2		2	8	46	11		36				7		1
Barranquilla								2									
Beauesert						1											
Bergen											1						
Berta	2		6	2		6	4	13	1		12		2	1	14	2	2
Blegdam									1								
Blockley			1				1									1	
Bonariensis			1								1				1		
Bovismorbificans			2	6		2	2	4			1		3		1		
Braenderup	7	28	28	3		15	18	20	3		18		8		16	4	1
Brandenburg			1			1	2	2			8	2			2	2	
Brazil									1								
Bredeney						1	1									1	
Bukavu			1														
Cannstatt													1		1		
Carrau											10					1	
Chailey							1										
Chester		3	2						1		1		1		29		
Colindale			1			1											

**Appendix 2.** Laboratory-confirmed *Salmonella* infections reported to CDC, by serotype and reporting jurisdiction (KY to NV), 2011

Serotype	States																
	KY	LA	MA	MD	ME	MI	MN	MO	MS	MT	NC	ND	NE	NH	NJ	NM	NV
Concord							1										
Corvallis	1		1				1								1		
Cotham			1			1	2	3			1						
Cubana	1						1	1								1	
Derby				1		13	3	2	2		8	1			1		1
Dublin			6			1	5								4	1	
Durban			1									1					
Durham															1		
Ealing												1			2		
Eastbourne		1						1			1				2		
Enteritidis	75	77	314	281		241	164	149	42		315	19	47	20	343	31	20
Eppendorf	1																
Florida								1									
Fluntern							1	2									
Gaminara		36	1			2		3	6		6		1	1			1
Give	1	27					1		12		5						
Glostrup							1					2					
Goettingen			1														
Goldcoast																1	
Hadar	2	4	10	1		5	5	2	4		4		2		9		
Haifa			2				1										
Hartford	5	3	6			12	2	12	2		18		1		3		
Hato				1													
Havana			5			3		2	1						3		
Heidelberg	5	17	13	13		24	18	28	7		23	2	4	1	99	4	5
Herston			1														
Hiduddify											1						
Hvittingfoss		15	6			1	2	2			1						
Idikan						1		1	1								
Infantis	15	24	15	15		16	20	9	8		28		3	2	33	5	3
Inverness		5							2		18						
Irumu			1														
Jangwani						1											
Javiana	22	113	20	63		14	8	52	157		528	3	3	2	62	30	2
Johannesburg	2	3	1						1		6						5
Kentucky			5	1		4		2							1		1
Kiambu		4				1	1	3							6	2	
Kintambo		1					1								1		
Kisangani			1														

**Appendix 2.** Laboratory-confirmed *Salmonella* infections reported to CDC, by serotype and reporting jurisdiction (KY to NV), 2011

Serotype	States																
	KY	LA	MA	MD	ME	MI	MN	MO	MS	MT	NC	ND	NE	NH	NJ	NM	NV
Kokomlemlé			1														
Kottbus							1										
Kua											1						
Lagos															1		
Lexington															2		
Lindenburg																1	
Litchfield	1	15	6			4	2	8	3		11		5		8	1	1
Liverpool	1		1														
Livingstone	1	1															
Lomalinda																1	1
London							1		1		2				1		
Luciana		1	1						1								
Manhattan		2	1				4	4			7				1		
Mbandaka	3	1	3	3		6	1	5			1		1		6		1
Meleagridis	1																
Menston																2	
Mgulani															1		
Miami	1	1	4			6					12				3		
Mikawasima												1					
Minnesota			1					1								1	
Mississippi	2	115	4	3		2	1	14	137		6				5		
Monschau		1															
Montevideo	12	118	8	2	1	20	13	41	23		54	2	6	1	9	11	3
Muenchen	6	45	12	7		18	18	26	43		40	1	3		23	21	
Muenster		1	2			1	1		1						1		1
Napoli												1					
Nessziona				1													
Newport	68	226	63	105		71	61	176	201		612	6	29	2	87	46	10
Nima								1									
Norwich	2	1	2	8			1	17	26		4		1	1	5		
Ohio	1		6				3				1			1	2		
Oranienburg	10	18	19	6		15	10	10	11		16			1	23	24	1
Oslo		1				1									1		
Ouakam											1						
Overschie			1														
Panama		2	9			4	4	2	1		4	1	1	1	5		4
Paratyphi A			7	18		1	3				8				21		1
Paratyphi B			1	11		4	1		1		7	1			1		1
Paratyphi B var. L(+) tartrate+	7	4	9	7			1	5	1		10				8		6

**Appendix 2.** Laboratory-confirmed *Salmonella* infections reported to CDC, by serotype and reporting jurisdiction (KY to NV), 2011

Serotype	States																
	KY	LA	MA	MD	ME	MI	MN	MO	MS	MT	NC	ND	NE	NH	NJ	NM	NV
Pensacola									2		6						
Poano							1							1			
Pomona		8	1	1		2		2			1				2	2	4
Poona	4	2	1			5	4	1	1		7				9	11	1
Potsdam			1														
Putten								3			1	1			1		
Reading			2				1	1			1				4		
Richmond								1							1		
Rissen							2								2		
Rubislaw		25	2					3	17		12				1		
Saintpaul	4	15	8	6		15	16	19	3		28	1	1	1	24	6	3
Sandiego	2	2	4	3		4	3	2			8				11	3	
Saphra		1															
Schwarzengrund	1	1	22			3	2	5					3	1	31		
Senftenberg		1		4			2	3					1		4	7	1
Singapore						1										1	
Stanley	1	2	3			10	4	7			4		4		14		2
Takoradi																1	
Tanalarive															1		
Teddington															1		
Teitelkebir								1							2		1
Tennessee						1	2	3									
Thompson	15	6	25	6		26	10	44	2		8	1	7		16		
Typhi		1	26	14		6	3	3			13	1			45	1	2
Typhimurium	143	54	94	124		82	79	251	257		250	8	32	10	85	22	14
Typhimurium var. 5-	1		60			22	29		7		137		7		89	6	
Uganda			6			3	2	5	1		4				2		
Urbana	1	13					1	1			3				5		1
Virchow	1		2			2	4				4				3		
Wandsworth						2			1								
Weltevreden			3			2									1		
Wien											1						
Winston									1								
Worthington			2			1	3	1			1	1				1	
I 3,10:-:1,5						1											
I 3,10:l,v:-									1								
I 4,[5],12:-:1,2							2				1				1		
I 4,[5],12:-:1,5											2						

**Appendix 2.** Laboratory-confirmed *Salmonella* infections reported to CDC, by serotype and reporting jurisdiction (KY to NV), 2011

Serotype	States																
	KY	LA	MA	MD	ME	MI	MN	MO	MS	MT	NC	ND	NE	NH	NJ	NM	NV
I 4,[5],12:-:e,n,z15											1						
I 4,[5],12:b:-			1			15		12	9		15				24		
I 4,[5],12:b:- var. L(+) tartrate+			9	1			2	10	1		2						
I 4,[5],12:d:-							1								1		
I 4,[5],12:e,h:-		1									3				4	1	
I 4,[5],12:i:-	32	24	50	51		36	69	38	21		74	2	5	1	43	10	2
I 4,[5],12:r:-								1	1		2			2	2		
I 6,7:-:1,5		6	1			1	1				4				3	3	
I 6,7:-:1,6							2										
I 6,7:-:e,n,x		2							1								
I 6,7:-:e,n,z15											2						
I 6,7:e,h:-									1		4					1	
I 6,7:k:-		1									5					1	
I 6,7:l,w:-															2		
I 6,7:r:-			2					1			2						
I 6,7:y:-											1						
I 6,7:z10:-											1						
I 6,8:-:1,2		1							2		1					1	
I 6,8:d:-		1									4						
I 6,8:e,h:-						1					2					1	
I 6,8:r:-											1						
I 9,12:-:1,5			1			2			2		6					1	
I 9,12:a:-											1					1	
I 9,12:l,v:-			1				1										
I 9,12:l,z28:-		1				1			5		1						
I 11:-:e,n,x									2								
I 11:r:-											1						
I 13,22:b:-									1		1						
I 13,22:z:-						2					1						
I 13,23:-:1,5		3							5								
I 13,23:b:-			1						2		89						
I 16:b:-		1							1								
I 16:l,v:-								1									
I 38:k:-		1									1						
II 16:g,[m],[s],t:[1,5]							1										
II 16:m,t:-			1														
II 21:g,[m],[s],t:-								1									
IIIa 18:z4,z23:-							1								1		

**Appendix 2.** Laboratory-confirmed *Salmonella* infections reported to CDC, by serotype and reporting jurisdiction (KY to NV), 2011

Serotype	States																
	KY	LA	MA	MD	ME	MI	MN	MO	MS	MT	NC	ND	NE	NH	NJ	NM	NV
IIIa 41:z4,z23,z32:-											1						
IIIa 41:z4,z23:-															1		
IIIa 47:z4,z23:-											1						
IIIa 48:g,z51:-							2				2				1		
IIIb 48:i:z								1									
IIIb 50:k:z						2			1						1		
IIIb 60:r:e,n,x,z15									1								
IIIb 61:c:z35			1												1		
IIIb 61:k:1,5,[7]												1					
IIIb 61:l,[v],[z13]:z35															1		
IIIb 61:z52:z53								1									
IIIb 65:(k):z35															1		
IV 6,7:z4,z24:-							1								1		1
IV 11:g,z51:-															1		
IV 16:z4,z32:-																	1
IV 44:z36,[z38]:-									2								
IV 44:z4,z23:-			1					3									
IV 44:z4,z32:-						2		1									
IV 48:g,z51:-			1						1		1						
IV 50:g,z51:-											1						
IV 50:z4,z23:-			1														
Partially serotyped	531				111	9	10		2	55	8	1	26	1		10	2
Rough, mucoid, and/or nonmotile isolates		4	4			5	9	7	4		27				10	13	1
Unknown	2		38	180	119	5	2	7		49	21	5	225		1	16	
<b>Total</b>	<b>1028</b>	<b>1138</b>	<b>1019</b>	<b>960</b>	<b>231</b>	<b>806</b>	<b>697</b>	<b>1147</b>	<b>1076</b>	<b>104</b>	<b>2662</b>	<b>68</b>	<b>441</b>	<b>52</b>	<b>1334</b>	<b>326</b>	<b>114</b>

**Appendix 2.** Laboratory-confirmed *Salmonella* infections reported to CDC, by serotype and reporting jurisdiction (NY to WY), 2011

Serotype	States																
	NY	OH	OK	OR	PA	RI	SC	SD	TN	TX	UT	VA	VT	WA	WI	WV	WY
Abony				2													
Abortusequi										2							
Adelaide	11	2		1	5				1			2			12		
Agama	1																
Agbeni	4	9										1		3	3		
Ago		1									1						
Agona	37	15	14	4	24		8	3	7	57	8	8		18	26	1	
Agoueve		1															
Alabama							1										
Alachua	4				1			1				2			2		
Albany	2	1	1		2							1					
Altona	5	13			6		1		3			8	1		2	6	
Amsterdam	1								1			1					
Anatum	8	7	5	4	6	1	9	1	4	42		3		6	9	1	
Anatum var. 15+		1								2							
Apapa					1		1										
Aqua							1										
Arechavaleta			5		1												
Augustenborg					1												
Avonmouth									1								
Babelsberg										1							
Baildon		2			1				1						7	6	
Banana												2					
Bareilly	7	4	5	4	7		4	3	29		1	42		2	3	2	
Barranquilla		1															
Belem														1			
Benin									1								
Bere					1												
Berta	31	15	9	2	18		8		4	17	3	18	1	3	15	3	
Blockley	5			1	7	1											
Bolombo									1								
Bonariensis	1											1		1			
Bovismorbificans	6	3	1	2			5					7			13	6	
Bradford														1			
Braenderup	47	19	33	9	23		13	5	5	105	5	21		17	26	1	
Brandenburg	5	3		2	1	1	4		1		2			7	2		
Bredeney	1		2						2	2		2			2		
Carrau							2								1		



**Appendix 2.** Laboratory-confirmed *Salmonella* infections reported to CDC, by serotype and reporting jurisdiction (NY to WY), 2011

Serotype	States																
	NY	OH	OK	OR	PA	RI	SC	SD	TN	TX	UT	VA	VT	WA	WI	WV	WY
Cerro	2	1					1		1			2					
Chailey	1													1			
Chandans					1												
Chester	11	1		1							3			1			
Choleraesuis									1	11							
Choleraesuis var. Kunzendorf												1					
Clackamas				3										3			
Coeln					1												
Colindale		2			1												
Concord					1							1					
Corvallis	2				1				1								
Cotham	1				1									1			
Cubana	1		1		1												
Dahra		1															
Daytona												2		2			
Denver	1									1							
Derby	14			2	2		1		5	3		2		1	5		
Dublin	6	7		2	4			1	1		3	2		6	5	1	
Durban		1												1			
Ealing	2	2		1	6							1					
Eastbourne	1	1							1		1				2		
Edinburg					1												
Enteritidis	745	317	77	67	627	32	136	33	96	256	53	247	14	134	340	49	1
Florida							2										
Fluntern												2		1			
Fresno																1	
Frintrop	1																
Gaminara	2	1		2	1		9						4	2	2		
Gatuni	2																
Georgia			1														
Give	1	8		1	2		2		3	13		3		1			
Grumpensis	1														1		
Hadar	23	6	2	7	9	4		3	1	11	10	3		8	11		
Haifa	1													1			
Hartford	11	18		1	9		11	1	7			7		1	21	2	
Havana	1	1			1		2							1		1	
Heidelberg	119	30	17	12	45	54	14	5	10	55	11	22		30	34	1	

**Appendix 2.** Laboratory-confirmed *Salmonella* infections reported to CDC, by serotype and reporting jurisdiction (NY to WY), 2011

Serotype	States																
	NY	OH	OK	OR	PA	RI	SC	SD	TN	TX	UT	VA	VT	WA	WI	WV	WY
Holcomb	2				1												
Hvittingfoss	2	3	4	1	2		1					2		3			
Indiana	1		1		2										1		
Infantis	57	26	33	12	32		15	5	4	163	7	22	1	15	33	4	
Inverness	1						18										
Isangi						1											
Itami				1													
Jangwani														1			
Javiana	35	35	14	2	46	1	374		72	174	5	107		13	17	4	
Johannesburg	5	4			2		2		3				1	2	4	1	
Kentucky	34		1	2	4		2	2	1			5		2	1		
Kiambu	3	5	13		2							2			7		
Kibi	2																
Kimuenza														1			
Kintambo		1			1		1					1					
Kokomlele					1										4		
Kottbus		2							1								
Lagos												1					
Larochelle																1	
Lattenkamp															2		
Lindenburg	1																
Litchfield	15	9	18		26	2	2	4	3	1		13		2	4		
Livingstone	2	3			1				1						2		
Lomalinda	2																
Lomita														1			
London	4	1			1				1						6		
Manhattan	6	1			4	1						1			12		
Mbandaka	7	4	2	3	4	2		1	6	13	1	6		4	9	1	
Meleagridis	1		2						3								
Mgulani	1																
Miami	3	4			5		3		3	1		2			3		
Minnesota	1								1		1	1		1			
Mississippi	4	4	3	1	4				23	74	3	1			1		
Monschau	3	1	1		2										4		
Montevideo	30	12	14	17	158	2	47	3	8	99	13	13	1	11	33	5	
Muenchen	36	21	12	5	29	2	56	4	15	55	8	13	1	7	21	6	
Muenster	7	4		1	2	1			1	1	1	2		2	3		
Napoli	2			1													

**Appendix 2.** Laboratory-confirmed *Salmonella* infections reported to CDC, by serotype and reporting jurisdiction (NY to WY), 2011

Serotype	States																
	NY	OH	OK	OR	PA	RI	SC	SD	TN	TX	UT	VA	VT	WA	WI	WV	WY
Narashino		1															
Newport	126	114	169	13	83	4	318	9	130	389	66	191	2	33	88	15	
Nima	2																
Norwich	2	4	33		2				26			7			5		
Nottingham		1															
Ohio	11	3		1	7	1						3			7		
Onireke									1								
Oranienburg	55	36	20	10	46	3	5	2	8	87	5	12		10	23		1
Orion	1	1															
Oslo	2													1	1		
Othmarschen	1								1								
Panama	14	6	6	6	8	1			1		2	10		8	2	5	
Paratyphi A	22	5	1	2	13				1	3	2	9		3	1		
Paratyphi B	3		1			1			2			33		2			
Paratyphi B var. L(+) tartrate+	11	47	63	7	54		13	2		30	4	12		10	23		
Paratyphi C										1							
Pensacola							5		1			2					
Poano							1										
Pomona	7			1	5		3		1			3		2			
Poona	7	10	5	2	14		6		5	51	4	9		1	2	1	
Potsdam	4	1			1									2	6		
Putten	1											1					
Reading	10			1	3			2	1			1	1	1	2		
Richmond												1					
Rissen		4			2									1	1		
Rubislaw	2	3	4				7				2	3			1	4	
Saintpaul	58	20	6	9	50	1	33	7	3	66	7	20		6	24	1	
Sandiego	16	1		1	8		3		1			2		2	6		
Schwarzengrund	90	2			23	1	1		1		1	10			10	5	
Senegal														2			
Senftenberg	9	4		2	6		1			5	4	1	2	3	8		
Singapore	1											1					
Sinstorf		1															
Soerenga			1		1												
Stanley	14	6	3	9	5	2	1			5		13		13	13		
Stanleyville	1				1												
Stormont														1			

**Appendix 2.** Laboratory-confirmed *Salmonella* infections reported to CDC, by serotype and reporting jurisdiction (NY to WY), 2011

Serotype	States																
	NY	OH	OK	OR	PA	RI	SC	SD	TN	TX	UT	VA	VT	WA	WI	WV	WY
Suelldorf															1		
Sundsvall												1					
Takoradi					1												
Tamberma												1					
Teitelkebir	2														2		
Tennessee			2	1	6		1		1			4		2			
Texas															1		
Thompson	31	20	13	14	30	10	6	8	2	35		23	1	9	15		
Typhi	48		2	3	14		4		3	4	2	9		16	5		
Typhimurium	141	175	106	33	252	24	146	51	150	4	65	167	2	90	99	34	1
Typhimurium var. 5-	81	42		16	128			20	1	195	10	101			32		
Uganda	9		6	1	2	1	7		1						3		
Urbana	2	4		2	6		1		1			2		2	2		
Virchow	11	2		3	3				1		1	2		5	4		
Wandsworth	1																
Wangata	1																
Waycross	1													1			
Weltevreden	6			4	1		1		1		1			3	3		
Weslaco												1			1		
Widemarsh				1	1												
Wien						1											
Woodinville					1												
Worthington	2		3						1						3		
Zaria	1																
I 3,10:-:1,5	1			1													
I 4,[5],12:-:1,2	1																
I 4,[5],12:b:-									1						4		
I 4,[5],12:b:- var. L(+) tartrate+	31			2	2				1			15			16		
I 4,[5],12:i:-	50	48		12	57	5	1		28			66		12	56	6	
I 4,[5],12:r:-		1															
I 6,7:-:1,5	2			1	1												
I 6,7:e,h:-	1											3					
I 6,7:l,w:-												1					
I 6,7:r:-					1							1					
I 6,8:-:1,2												1					
I 6,8:e,h:-												2					
I 6,8:l,v:-	1																

**Appendix 2.** Laboratory-confirmed *Salmonella* infections reported to CDC, by serotype and reporting jurisdiction (NY to WY), 2011

Serotype	States																
	NY	OH	OK	OR	PA	RI	SC	SD	TN	TX	UT	VA	VT	WA	WI	WV	WY
I 9,12:-:1,5		1															
I 9,12:l,v:-															2		
I 13,23:b:-	1								1			4			2		
I 13,23:z:-					1												
I 47:d:-												1					
II 6,7:-:1,6															1		
II 9,12:g,s,t,e,n,x				1													
II 47:d:1,5						1											
IIIa 13,23:g,z51:-					1												
IIIa 18:z4,z23:-														1			
IIIa 41:z4,z23:-					3									1	4		
IIIa 41:z4,z32:-												1					
IIIa 44:z4,z23:-		1															
IIIa 44:z4,z32:-					1												
IIIa 48:g,z51:-												3			1		
IIIa 48:z4,z24:-						1								1			
IIIa 50:g,z51:-					1												
IIIa 50:z4,z23:-					1												
IIIa 53:z4,z23:-				1													
IIIb 6,14:l,v:z	1																
IIIb 35:i:e,n,x,z15					1												
IIIb 35:l,v:z35					1												
IIIb 47:k:z35				1	1							1		1			
IIIb 48:i:z					1										2		
IIIb 50:k:z	1				1									4			
IIIb 50:l,v:z							1										
IIIb 50:r:-				1													
IIIb 50:r:z														1			
IIIb 53:z10:z35				1													
IIIb 53:z52:z53												3					
IIIb 60:r:e,n,x,z15												1					
IIIb 61:-:1,5,[7]				1								3			6		
IIIb 61:c:z35					3												
IIIb 61:l,[v],[z13]:1,5,[7]	1				1							2					
IIIb 65:l,v:z				1													
IV 40:z4,z24:-		1															
IV 44:z36,[z38]:-									1								
IV 44:z4,z23:-		1										1					

**Appendix 2.** Laboratory-confirmed *Salmonella* infections reported to CDC, by serotype and reporting jurisdiction (NY to WY), 2011

Serotype	States																
	NY	OH	OK	OR	PA	RI	SC	SD	TN	TX	UT	VA	VT	WA	WI	WV	WY
IV 44:z4,z24:-					1												
IV 44:z4,z32:-					1							1					
IV 45:g,z51:-					1												
IV 48:g,z51:-				1	1							1		1	2		
IV 50:g,z51:-	1				3												
IV 50:z4,z23:-	1	3										2					
Partially serotyped	72	5	45	1	15	1	167	9	8	361	6		37	6			21
Rough, mucoid, and/ or nonmotile isolates	13	8		2	7	2	1					11	1		20		
Unknown	22	17		1	1	1	11	1	1	2982	59	6		17	2	19	39
<b>Total</b>	<b>2399</b>	<b>1233</b>	<b>780</b>	<b>346</b>	<b>2033</b>	<b>166</b>	<b>1500</b>	<b>186</b>	<b>719</b>	<b>5378</b>	<b>380</b>	<b>1392</b>	<b>70</b>	<b>593</b>	<b>1223</b>	<b>193</b>	<b>63</b>

**Appendix 3.** Laboratory-confirmed *Salmonella* infections reported to CDC, by serotype and year, 2001-2011

Serotype	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Total
Aarhus	2	7	9	3	5	6	6	6	4	3	1	52
Aba			1			1		1			1	4
Abadina		2										2
Abaetetuba	4	3	1	1		3	3	1	5	3		24
Aberdeen	5	3	3	6	6	10	13	6	14	7	6	79
Abony	11	9	9	10	2	8	3	3	3	6	4	68
Abortusequi									1	1	2	4
Adelaide	81	66	60	76	71	70	59	68	43	81	95	770
Adime			1									1
Aequatoria				5	2							7
Africana				1								1
Afula				1								1
Agama	1	5	4	2	8	4	2		7	2	2	37
Agbeni	5	4	7	72	15	15	16	16	15	23	39	227
Ago						1	4	4	14	7	4	34
Agodi		1										1
Agona	372	340	523	407	369	538	512	610	392	509	505	5077
Agoueve	3	6	2	2	3	3	2	1	3	4	7	36
Ahoutoue							1					1
Ahuza									1			1
Ajiobo		2	1	1		1				1		6
Alabama	1	3		3	3	5				2	4	21
Alachua	9	16	10	28	21	18	19	14	24	18	14	191
Alagbon				1	3			1				5
Albany	17	15	17	34	38	36	36	22	28	30	30	303
Albert					1				3	1	3	8
Albuquerque		1									1	2
Allandale	1			1					2			4
Allerton				1								1
Altona	3	3		2	1	4	6	6	10	14	77	126
Amager	1	2	3	15	5	4	4	7	5	8	2	56
Amager var. 15+				3				2				5
Amherstiana						1						1
Amounderness								1				1
Amoutive						1	2	2	2	1		8
Amsterdam	5	7	6	3	2	3	2	2	7	1	6	44
Amsterdam var. 15+	5	3		1	2	1				3	1	16
Anatum	188	217	177	250	197	238	203	207	221	205	282	2385
Anatum var. 15+	4	4	10	11	6	16	7	12	6	21	20	117
Anatum var. 15+, 34+		1								1		2

**Appendix 3.** Laboratory-confirmed *Salmonella* infections reported to CDC, by serotype and year, 2001-2011

Serotype	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Total
Anecho		5	2		2	3	9	9		2		32
Anfo					1	1	2	2	1	1	2	10
Annedal	1											1
Antsalova		1		1								2
Apapa	8	10	3	12	7	7	13	8	5	5	3	81
Apeyeme				1	2				2	1		6
Aqua	1		1	2	2	3	1	1	4	3	7	25
Arapahoe		1										1
Arechavaleta	3	6	3	14	4	2	13	9	14	12	9	89
Assen		1			1			1			2	5
Assinie						4						4
Ati				2								2
Augustenborg	1				1			2	1		1	6
Austin	1											1
Australia	3											3
Avignon						1						1
Avonmouth		1									1	2
Ayinde										1		1
Azteca					1			1				2
Babelsberg				2							1	3
Baguirmi	1											1
Bahrenfeld						1				1		2
Baildon	2	14	12	7	33	14	17	9	12	88	26	234
Ball	1						1			3	1	6
Banalia	1											1
Banana	1		3		2	1					2	9
Bandia				1								1
Bardo	16	49	42	32	27	29	33	23	22			273
Bareilly	206	183	240	232	201	256	249	224	284	339	429	2843
Bargny						1						1
Barranquilla	3	1	3	3	1	5	6	26	2	4	11	65
Bassa			1									1
Bassadji	1			1								2
Beaudesert			1			3	2	3	3	5	1	18
Belem			1							1	1	3
Benfica	1											1
Benin					1	6		1		1	4	13
Bere	1		1		2	7	7	11	3	2	1	35
Bergen			1			1					1	3
Bergen	2			1			1					4



**Appendix 3.** Laboratory-confirmed *Salmonella* infections reported to CDC, by serotype and year, 2001-2011

Serotype	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Total
Berta	334	300	201	409	209	252	191	188	183	264	321	2852
Bietri								1				1
Bijlmer					2							2
Binningen				1								1
Birkenhead	2		4	5	2		1	3	4	3		24
Bispebjerg			1									1
Blegdam	2	3	2	8	4			1	1	2	1	24
Blijdorp			1									1
Blockley	33	38	67	83	50	61	66	52	55	37	28	570
Bobo					1							1
Bochum	3		1									4
Bolombo											1	1
Bonames			1									1
Bonariensis	6	6	4	3	1	2	4	5	2	1	6	40
Bonn	2			2		1			1			6
Bournemouth		1	2	1	2	1	2	1	1	1		12
Bouso					3	1				2		6
Bovismorbificans	83	74	69	110	73	71	47	76	62	67	110	842
Bracknell		1										1
Bradford	1	2	3	1		1	1		1	1	1	12
Braenderup	396	389	553	684	603	561	589	658	720	731	739	6623
Brancaster			1									1
Brandenburg	106	140	116	80	134	94	73	79	87	63	68	1040
Brazil			2	2	2	3	3	4	1	1	1	19
Brazos										1		1
Brazzaville			1		2	3	1	1	1		1	10
Bredeney	79	41	56	27	26	27	23	28	25	37	29	398
Breukelen							1					1
Brezany	4	2	1		1			1				9
Bron	1			3		1		1				6
Bronx	1						1					2
Brooklyn			1									1
Bruck									1	1		2
Brunei				3	2			1				6
Bsilla	1	1		3	1			2				8
Budapest							1					1
Bukavu			1				2	1			1	5
Bukuru				1								1
Burgas							1					1
Burgas								1				1

**Appendix 3.** Laboratory-confirmed *Salmonella* infections reported to CDC, by serotype and year, 2001-2011

Serotype	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Total
Burundi								1				1
Butantan		1			1							2
Butantan var. 15+									1			1
Buzu			1			2	2			1		6
California	1		5	1		2		1	1			11
Canada		1	1	1	1							4
Cannstatt	1	3	1			1		2	15	3	6	32
Caracas		1				1		1			2	5
Carmel	8	9		9	4	1	4	2	2	4	1	44
Carrau	5	3	7	8	9	10	1	7	64	31	20	165
Cerro	31	39	28	19	22	33	26	41	22	26	16	303
Cerro var. 14+			3	3	4	2	5	7	4	3	2	33
Ceyco	1	1										2
Chailey		1	1	3	2			2	3	11	7	30
Chandans		3		1	5	1	1	1	1	1	1	15
Charity									1	1		2
Chester	24	23	51	15	15	29	31	27	41	86	64	406
Chicago		1	1			1	2			1		6
Chichiri	1		1							4		6
Chile								1				1
Chincol			1		2	1				2	1	7
Chingola	1						1					2
Chittagong					7							7
Choleraesuis	8	11	13	17	7	12	15	18	22	8	14	145
Choleraesuis var. Decatur	1	3		1					2			7
Choleraesuis var. Kunzendorf	5	8	6	9	6	11	10	4	9	4	3	75
Clackamas		6	4	1	1	1	2	5		5	6	31
Claibornei	1			1		1						3
Clerkenwell	1											1
Cleveland				1					1			2
Coeln	3	3	2	3	2	4	4	6		4	2	33
Colindale	2	5	8	3	4	13	5	6	7	4	5	62
Colorado			1									1
Concord	2	1	3	4	6	17	20	31	38	18	7	147
Corvallis		1	3	4	13	23	22	30	13	23	19	151
Cotham		3	6	5	9	12	15	22	20	23	25	140
Cremieu	1				1							2
Croft						1						1
Cubana	25	21	24	18	13	17	25	9	20	33	15	220

**Appendix 3.** Laboratory-confirmed *Salmonella* infections reported to CDC, by serotype and year, 2001-2011

Serotype	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Total
Cuckmere				1		1						2
Cullingworth					6			1				7
Curacao	1				1					1		3
Cyprus											1	1
Daarle				1	1			1				3
Dahlem						1						1
Dahomey			1									1
Dahra	1	1	1		2	2	1		1	1	1	11
Dakar							1					1
Damman				1								1
Daytona	4	4	10	10	5	5	1	3	2	7	10	61
Denver	1	2	5	1	5	1	3	6	3	3	5	35
Derby	121	169	125	137	123	139	148	143	131	134	114	1484
Dessau	1											1
Diguel		2	1		1							4
Diourbel					1							1
Djakarta						1						1
Djugu				2	1	2	2	2				9
Doncaster			1									1
Doorn						1						1
Doulassame					1							1
Dublin	76	83	65	73	55	88	109	111	103	125	102	990
Duesseldorf	2		8	9	1		3	1	3			27
Duisburg	2	2	2			1	2	5	3	3	4	24
Dunkwa	1											1
Durban	5	1	3	16	6	11	12	7	17	6	5	89
Durham	3	4	4	3	8	4	1	3	4	4	3	41
Duval		1		1		1			1			4
Ealing	16	10	12	13	27	12	28	25	33	26	24	226
Eastbourne	6	18	18	8	30	16	16	27	15	13	19	186
Eboko									1			1
Ebrie	2	1	1					1	1			6
Echa			1		1							2
Edinburg	1	5	20	27	20	17	8	7	10	3	1	119
Edmonton					1							1
Ekpoui		1							1			2
Elisabethville				1			2				1	4
Elokate			1									1
Elomrane	1	1	1	3			1					7
Emek	2	2	11	6	7	3	7		3			41

**Appendix 3.** Laboratory-confirmed *Salmonella* infections reported to CDC, by serotype and year, 2001-2011

Serotype	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Total
Emmastad									1			1
Entebbe			1	1		3	6			1		12
Enteritidis	5613	5144	4914	5028	6732	6740	6152	7225	7144	8915	7553	71160
Enugu								1	1			2
Epicrates		1										1
Eppendorf				1		2	1	5			1	10
Escanaba		1					1					2
Eschberg											1	1
Eschweiler					1							1
Essen	1		1	2	1	1	5	1		2		14
Falkensee			1		4		1		1	1		8
Fann		1			1							2
Farmsen	1	1	1	1	1			1				6
Farsta		4		1		1						6
Fayed	4		1		1	1						7
Ferruch			1									1
Fillmore		1						1				2
Fischerkietz						1						1
Fischerstrasse		1					4	1	3			9
Fitzroy				1								1
Florida	4	2	3	1	6	3	7	1	8	5	3	43
Fluntern	2	2	5	8	3	3	5	6	7	8	9	58
Fomeco					1							1
Frankfurt									1		1	2
Freefalls									1			1
Freetown	1		6	2	11			1	2		1	24
Freiburg			1					1				2
Fresno	3	1					1	4	4		1	14
Friedenau		1	1			1						3
Friedrichsfelde				2	1	1	1	1		1		7
Frintrop						1					1	2
Fulica					1							1
Fyris					1	2						3
Gabon		1										1
Galiema			1	1					1		1	4
Galil	2											2
Gambia					1							1
Gaminara	58	44	86	134	99	77	79	84	62	62	100	885
Garba	1										1	2
Garoli						1						1

**Appendix 3.** Laboratory-confirmed *Salmonella* infections reported to CDC, by serotype and year, 2001-2011

Serotype	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Total
Gatow	1	1			2		2		2	1		9
Gatuni	3		2	3	1	2	2	3	2	2	4	24
Georgia	4	3	2	2	1	6	5	2		1	1	27
Gera			1									1
Give	75	55	93	102	103	123	106	113	111	103	119	1103
Give var. 15+	9	5	7	5		1	6	3		1	1	38
Give var. 15+, 34+		1						2				3
Glasgow	1						2					3
Glostrup	6	2	2	2	10	5	5	5	3	2	5	47
Gnesta				1			2	2				5
Goettingen		2	1	2			3	3	1	2	2	16
Goldcoast				1	2		1			4	1	9
Goma			1									1
Gombe				1				1				2
Gouloumbo									1			1
Goverdhan							1					1
Grandhaven						1						1
Groenekan	1											1
Grumpensis	1		1		102	9	2	2	3	1	2	123
Guildford							1		2			3
Guinea				1	3	1	3	2	1		2	13
Gustavia	1											1
Gwale						1						1
Haardt	4	3	52	29	4	5	5	3	1			106
Hadar	307	333	280	277	205	275	285	311	266	224	205	2968
Haduna										1		1
Haifa	4	6	3	5	5	5	5	5	6	4	7	55
Hannover				1								1
Harburg		1	1			1						3
Harcourt						1						1
Harrisonburg				1								1
Hartford	158	198	188	190	239	199	197	211	184	252	241	2257
Hatfield			1							1		2
Hato	5	1	1	2		4	2	4	1	1	1	22
Havana	19	28	29	32	26	37	35	54	58	41	29	388
Hayindogo	1	1										2
Heidelberg	1895	1985	1845	1758	1905	1495	1610	1284	1411	1099	1103	17390
Hemingford				1								1
Herston	1	1	2	2	2	2	1	2	3	3	2	21
Hessarek			1									1

**Appendix 3.** Laboratory-confirmed *Salmonella* infections reported to CDC, by serotype and year, 2001-2011

Serotype	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Total
Hidalgo				1					1	1		3
Hiduddify		1	2			1					1	5
Hillegersberg		1	1			1		1				4
Hillingdon					1					2		3
Hindmarsh	4	2	5	12	5	5		3	3			39
Hofit					1	2		1	1			5
Hoghton				1		1						2
Holcomb	3	4	1		2	3	5	5	3	3	3	32
Homosassa								1				1
Horsham			1			1		1				3
Hull	1	1	2		3	3	5	8	1		1	25
Hvittingfoss	30	44	32	34	36	45	55	46	53	119	72	566
Ibadan	9	10	17	5	9	3	2	3		4		62
Idikan		1	1		1		2	3			3	11
Ikeja										1		1
Ilala				1				1	1			3
Indiana	13	24	43	18	17	28	11	15	3	6	8	186
Infantis	441	472	570	588	506	491	540	639	633	813	910	6603
Inganda	4		2	1		1	2		2	2		14
Inpraw			1									1
Inverness	24	30	30	49	44	49	58	47	55	50	63	499
Irenea			1									1
Irumu	9	2	9	13	9	9	5	10	8	3	2	79
Isangi	3	1	4	3	4	1	4	5	1	1	1	28
Israel			2	1		1	4			1		9
Istanbul	27	33	15	61	9	8	4	2	6			165
Isuge		1										1
Itami	50	3	8	7	10	1	1		1		1	82
Ituri	7	1		1	1	1	1	2	1	5		20
Jaffna							1					1
Jamaica								1				1
Jangwani	2	3		4	4		8	2	5		2	30
Javiana	1068	1201	1718	1776	1324	1433	1331	2138	1997	3020	2937	19943
Jedburgh					1							1
Jericho					1							1
Jerusalem	1	1	1			1						4
Joal		2	2	4			1					9
Jodhpur		1		1				1				3
Johannesburg	35	20	17	40	44	22	38	29	51	40	68	404
Jos					2							2

**Appendix 3.** Laboratory-confirmed *Salmonella* infections reported to CDC, by serotype and year, 2001-2011

Serotype	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Total
Jubilee				1		1						2
Jukestown						1						1
Kaapstad	1		2	1						1		5
Kaduna					1							1
Kalamu	1					1			2			4
Kalina	1				1							2
Kallo						1						1
Kambole			1									1
Kampala									1			1
Kande	1	3										4
Kandla		1										1
Kanifing									1			1
Kapemba				1		1						2
Kedougou	1	1		3	4	4	1	2	2			18
Kentucky	64	69	59	56	81	123	96	93	73	94	101	909
Kiambu	27	41	84	31	53	65	34	81	91	69	90	666
Kibi											2	2
Kimberley					1							1
Kimuenza		1			1	1	1				1	5
Kingabwa	3	11	4	7	11	4	8	6	6	4		64
Kingston	2	1		1	1		2	5	1	2	1	16
Kinondoni		1										1
Kintambo	5	9	10	16	5	15	8	13	10	5	10	106
Kirkee						2						2
Kisangani					2	1		1	1	1	2	8
Kisarawe	1	2		1	1		3	1	2	2	3	16
Kisii							1	1				2
Kivu						1					2	3
Koketime								3				3
Kokomlele	4	2	1	2	1	2	3	2	2	4	6	29
Konstanz	2		1				1					4
Korbol					1	1						2
Korlebu						1						1
Kortrijk						1						1
Kottbus	73	19	7	8	8	15	13	18	5	9	13	188
Kotu				1	4							5
Kouka									5			5
Krefeld		2	1		1			2	2			8
Kristianstad	1											1
Kua	2		3	2			1	3	1	1	1	14

**Appendix 3.** Laboratory-confirmed *Salmonella* infections reported to CDC, by serotype and year, 2001-2011

Serotype	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Total
Kumasi								2		1		3
Kunduchi								1				1
Kuru										1		1
Labadi								1				1
Lagos	1	1	1	2		1	4	1	1	3	4	19
Landau	1											1
Landwasser	1							3				4
Lansing				2			1		3			6
Larochelle		8	4	6	2	2	3	4	2	2	1	34
Lattenkamp	1				1		1	3	3	1	3	13
Lawra										1		1
Leeuwarden	2		1									3
Leopoldville	1											1
Lexington	5	1		5	1	1	4	1	2	6	3	29
Lexington var. 15+						1						1
Lika			4									4
Lille		1		1			1					3
Limete	1				1	1		3				6
Lindenburg	3	2	3	2	4	3	2	3	1	1	2	26
Lindern		1										1
Litchfield	140	125	168	155	141	202	238	342	262	199	231	2203
Liverpool			1	3	4	2	3	5	14	12	8	52
Livingstone	8	9	2	3	7	9	8	7	18	20	15	106
Livingstone var. 14+							1					1
Llandoff			1									1
Loanda	1		1	2	2	2	3		1			12
Lockleaze		1			1	2	1			1		6
Lomalinda	5	25	12	15	18	20	12	15	18	31	21	192
Lome	2		1					1	1	1		6
Lomita	4	2	6	4			1	4	1	1	1	24
London	24	22	45	28	30	37	176	26	20	31	27	466
Loubomo	1										1	2
Louga			1									1
Lowestoft			1									1
Luciana	2	6	4	4	4	3	9	5	5	3	4	49
Luke											1	1
Macallen							1					1
Madelia	3	4	6	6	6	11	11	9	20			76
Madison								1				1
Madison									1			1



**Appendix 3.** Laboratory-confirmed *Salmonella* infections reported to CDC, by serotype and year, 2001-2011

Serotype	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Total
Madras					1							1
Malika					1							1
Malstatt	1				2							3
Manchester	1		1					1				3
Manhattan	50	89	53	80	58	79	55	106	78	92	82	822
Mapo			1									1
Mara					1							1
Maracaibo		2										2
Marburg			1									1
Maricopa								3		1		4
Marshall	1											1
Massenia			1									1
Matadi	3	5	4	2	2		2	2		2	1	23
Matopeni	1					3	1	1		1		7
Maumee				1			1		4			6
Mbandaka	163	171	173	164	190	240	231	225	215	251	188	2211
Mbandaka var 14+						1						1
Meekatharra	1											1
Meleagridis	19	6	14	8	12	20	26	9	16	13	16	159
Meleagridis var. 15+							1					1
Memphis				2		1						3
Menden						1				1		2
Mendoza	2		1	8	2							13
Menston	2		2			1	1	1			2	9
Mgulani			1			2	1		1		2	7
Miami	68	130	66	103	82	64	97	91	109	152	105	1067
Michigan	1		2	6	1	4	7	3	6	5	2	37
Mikawasima	3	5	4	1	1	6	2	1	1	1	1	26
Milwaukee	4											4
Mim				1								1
Minnesota	18	35	25	35	55	57	34	21	27	18	22	347
Mississippi	336	315	451	558	566	604	472	434	445	475	549	5205
Mkamba				1								1
Molade			2		2	3	2	2	2	2	1	16
Mons		1						1				2
Monschaui	7	5	13	21	14	10	11	13	21	23	15	153
Montaigu											1	1
Montevideo	628	728	890	874	809	1061	1003	1094	1264	1067	1196	10614
Montreal					1						1	2
Morehead								2				2

**Appendix 3.** Laboratory-confirmed *Salmonella* infections reported to CDC, by serotype and year, 2001-2011

Serotype	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Total
Mornington						1						1
Morocco		1										1
Morotai				1								1
Moscow	1					1						2
Moualine	1											1
Mountpleasant	1		1		1		1	1				5
Mowanjum								1				1
Mpouto									1			1
Muenchen	586	603	795	739	733	753	995	884	809	833	984	8714
Muenster	64	49	70	59	93	96	70	72	48	43	50	714
Muenster var. 15+	1	1	9	2	1		1			1		16
Muenster var. 15+, 34+		1					1					2
Mundonobo					1							1
Nagoya		1	1		1	1						4
Napoli		1		1	6	3	1	1	2	2	6	23
Narashino					1						1	2
Nchanga			2			1						3
Nchanga var. 15+							1					1
Ndolo	1											1
Nessziona	2			1	1	3	1				1	9
Neudorf						1	1					2
Neukoelln				1								1
Newholland					2					1		3
Newmexico	2	2	10	3	3	2	1	8	5	4		40
Newport	3168	4251	4000	3329	3300	3373	3620	3823	3811	5067	5211	42953
Newyork							1					1
Ngili		2										2
Nieuwerk			1									1
Nigeria			1	2			1	1	3			8
Nikolaifleet	1											1
Nima	6	13	2	5	8	15	8	11	5	4	7	84
Nitra	1		2				1		1		1	6
Nola	1											1
Norwich	96	106	121	106	91	119	118	135	120	156	197	1365
Nottingham	2	1	11	1	4	2	4	3	2	2	2	34
Nyanza		1		1			1		1	1		5
Nyborg			1				1					2
Oakland	1	1	3				1	5	1	2		14
Obogu			2							3	1	6
Offa		1			1	1	2	2	4	3		14

**Appendix 3.** Laboratory-confirmed *Salmonella* infections reported to CDC, by serotype and year, 2001-2011

Serotype	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Total
Ohio	64	58	49	74	87	62	46	37	54	59	65	655
Ohio var. 14+	1				1	6	4	1	2	2		17
Ohlstedt				1								1
Okatie			4			2						6
Oldenburg		1	1				1					3
Onderstepoort	1	2	2			1						6
Onireke									2	1	1	4
Ontario											1	1
Oranienburg	598	607	589	495	590	719	692	656	899	662	721	7228
Oranienburg var. 14+		2	11	2	5	9	3		1	1		34
Orientalis		1	8	2				3	1			15
Orion	3		5	3	2	5	6	3		2	4	33
Orion var. 15+	2	1		1			1					5
Orion var. 15+, 34+	1			1								2
Oritamerin	3	1		3	2	1					2	12
Os						1						1
Oskarshamn							1					1
Oslo	23	19	21	25	30	23	20	38	32	31	24	286
Othmarschen	14	17	17	23	20	11	16	16	12	3	8	157
Ouakam	1		1			4					3	9
Oudwijk	1											1
Overschie	1	1	2		3	3	2	2	1		1	16
Oxford				1								1
Oxford var. 15+, 34+						1						1
Oyonnax					2							2
Pakistan	5	5	4	5		6	3		2			30
Panama	162	153	184	150	149	199	177	174	159	195	181	1883
Papuana	1							3			1	5
Paratyphi A	86	107	110	145	121	182	191	140	179	188	182	1631
Paratyphi B	180	124	215	237	105	138	151	85	46	92	82	1455
Paratyphi B var. L(+) tartrate+	466	441	342	354	460	417	412	477	436	451	431	4687
Paratyphi C	1			2	1	1	1				2	8
Patience		1										1
Penarth	1					1						2
Pensacola	8	8	2	4	14	13	12	12	9	15	25	122
Pharr									1			1
Ploufragan											1	1
Plymouth					4	2	1	1	1			9
Poano		8	9	6	6	5	2		3	4	6	49

**Appendix 3.** Laboratory-confirmed *Salmonella* infections reported to CDC, by serotype and year, 2001-2011

Serotype	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Total
Poitiers					1							1
Pomona	38	61	68	70	68	91	65	87	80	49	73	750
Poona	331	283	211	234	196	204	251	508	238	271	277	3004
Portland				1		2		1				4
Potengi								1				1
Potsdam	6	4	9	4	4	18	17	23	31	16	21	153
Powell						1						1
Praha			1		1	1	1	1	1	3		9
Presov						1	1					2
Preston								1		1		2
Putten	9	4	12	4	9	2	5	10	25	5	12	97
Quiniela				2						1		3
Reading	53	81	90	74	55	51	58	46	53	34	43	638
Rechovot	1		1									2
Redlands			1			1						2
Remo	3			1		2	1		1			8
Rhone							1					1
Richmond	6	11	6	6	8	9	12	2	8	14	5	87
Ridge	3	1					1					5
Riggil	1									1		2
Rissen	4	7	7	7	5	18	11	30	127	16	24	256
Rissen var. 14+					1							1
Rittersbach		1	1									2
Riverside					1			1				2
Romanby	1	1	1	1	3	1	1	1	2	1		13
Roodepoort	1	2	6	3	3	9	1		2	1	1	29
Rostock	2											2
Rovaniemi						1						1
Rubislaw	66	83	103	104	100	96	129	120	89	145	180	1215
Ruiru	1				1							2
Ruzizi		1										1
Saarbruecken		1				3		1		3		8
Saintemarie				1			1	1				3
Saintpaul	471	548	838	695	685	588	520	1831	854	890	709	8629
Salford						1		1				2
Sandiego	115	148	126	112	139	221	200	133	142	156	142	1634
Sangalkam				1								1
Sangera		1							1		5	7
Sanjuan						1	1					2
Sanktgeorg	1					2						3

**Appendix 3.** Laboratory-confirmed *Salmonella* infections reported to CDC, by serotype and year, 2001-2011

Serotype	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Total
Santiago			2	1								3
Sapele		1										1
Saphra	11	4	12	4	5	1	1	7	2	3	2	52
Schleissheim	4	7	8	3	6	6	1					35
Schoeneberg	1											1
Schwarzengrund	104	99	181	148	139	174	307	333	348	395	264	2492
Schwerin					1							1
Sekondi			1									1
Selby				1								1
Sendai		1										1
Senegal	2	1	1								2	6
Senftenberg	143	128	99	104	112	113	168	206	155	128	133	1489
Seremban	1	1		2	1					1		6
Shipleby				2								2
Shubra	3	7	3	2	2	3	2	12	5	3		42
Simi		1				2	1					4
Singapore	1	2	2	10	5	7	8	13	9	7	9	73
Sinstorf	7		2	1		1		1			1	13
Soahanina					1							1
Soerenga	3	1	1	3	1	3	7	5	5	4	4	37
Somone	1	3				1						5
Southbank								1				1
Spalantor				2								2
Splott					1					1		2
Stachus				1	1		1					3
Stanley	173	177	227	189	224	315	258	218	165	233	210	2389
Stanleyville	18	18	3	6	7	5	6	10	9	4	5	91
Stellingen			1	1								2
Sternschanze							1					1
Stockholm					1							1
Stockholm var. 15+							1					1
Stoneferry			1	1					1			3
Stormont			1								1	2
Stourbridge					1							1
Strasbourg	1			1								2
Suberu			1		1	1						3
Suelldorf			2	1		1	2	1	3		1	11
Sundsvall	4	7	11	6	9	3	3	6	3	2	5	59
Szentes		1										1
Tabligbo					1		1					2

**Appendix 3.** Laboratory-confirmed *Salmonella* infections reported to CDC, by serotype and year, 2001-2011

Serotype	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Total
Takoradi		1	6	5		3	1	5	6	2	4	33
Tallahassee	2	4	8	3	7	11	7	4	5	6	2	59
Tamberma						1					1	2
Tampico		1										1
Tananarive										1	2	3
Tanger	1		2									3
Tanzania						1						1
Tarshyne										1		1
Teddington		1									2	3
Tees										2		2
Teitelkebir	11	11	21	29	45	53	68	28	26	28	16	336
Teltow			1									1
Tennessee	33	36	42	57	132	311	616	125	65	32	29	1478
Tennyson											1	1
Texas					1					2	1	4
Thompson	514	442	509	494	428	447	414	412	478	482	536	5156
Thompson var. 14+				1								1
Tiko							1					1
Tilene		2	4		1	1			1	1	1	11
Tokoin			2		1					2		5
Tornow	2		2	3		1				2		10
Toucra		2	2	3	2	1				1		11
Trachau			1									1
Travis	1			2					1			4
Treforest	2											2
Treguier						1						1
Tripoli				2								2
Troy										1		1
Tschangu									1			1
Tsevie	2											2
Tshiongwé		2	2	1	4	3				2		14
Tucson		1		1	4		4	2	4	2	2	20
Typhi	343	293	362	306	350	413	450	478	432	479	383	4289
Typhimurium	6061	6312	5905	5872	5977	5911	5315	5469	4983	4482	4793	61080
Typhimurium var. 5-	979	828	865	983	1010	955	964	1055	1137	1647	1338	11761
Tyresoe				1		1		1				3
Uccle			1					1	1		1	4
Uganda	97	61	59	45	47	59	71	66	51	72	76	704
Uganda var. 15+	1	3	2	1			2	1		1	8	19
Ughelli					2							2

**Appendix 3.** Laboratory-confirmed *Salmonella* infections reported to CDC, by serotype and year, 2001-2011

Serotype	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Total
Umbilo						1					1	2
Uppsala				1		1	4				4	10
Urbana	53	41	60	59	44	36	65	53	40	38	67	556
Utah								1		1		2
Uzaramo	1		3	5		2		4	3			18
Valdosta				2			3					5
Vancouver							2	1		1		4
Vejle	1	1	2	4	1				1	1		11
Vejle var. 15+			1									1
Veneziana	1											1
Victoria	1	1						1		1		4
Vinohrady						1				1		2
Virchow	80	61	78	79	82	78	77	107	83	99	76	900
Virginia	5	4	3	10	6	13	4	6	10			61
Vitkin	1						1					2
Vleuten								1				1
Volkmarsdorf				1								1
Vuadens								1				1
Wa							1					1
Wagenia			1						1			2
Wandsworth	3	5	6	2	3	7	69	6	4	6	5	116
Wangata		1		3	3		2	3			1	13
Waral		1	2							1		4
Warmesen							1					1
Warnow		2	1									3
Washington			1									1
Waycross	4	1	2	2	5	2		3	6	1	3	29
Wedding											1	1
Welikade	3	1		1				1	1			7
Weltevreden	89	65	71	94	91	91	79	88	70	79	56	873
Weltevreden var. 15+	3			2	1	4	4	2	3	1		20
Wentworth				4								4
Wernigerode	1				1							2
Weslaco			1		2		1				3	7
Westeinde					1							1
Westhampton	3	5	8	6		3	7	3	2		1	38
Weston			1									1
Wichita			1									1
Widemarsh		2	4	1		2	2	6	4	3	3	27
Wien	3					3	2		2		2	12

**Appendix 3.** Laboratory-confirmed *Salmonella* infections reported to CDC, by serotype and year, 2001-2011

Serotype	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Total
Wil				1								1
Willamette				1								1
Winneba		1		1								2
Winston										3	1	4
Woodinville			2					1		1	1	5
Worthington	29	27	17	34	21	33	18	38	29	31	27	304
Yaba					1							1
Yehuda			1									1
Yoruba		1	1			1						3
Yovokome			1									1
Yundum		1										1
Zaiman							1	1				2
Zanzibar			2		1			3				6
Zaria											1	1
Zega					2							2
Zerifin				3								3
Zwickau						1						1
I 3,10:-:1,5											6	6
I 3,10:-:1,6							1	1				2
I 3,10:-:l,w											1	1
I 3,10:e,h:-	6	2				2				1		11
I 3,10:i:-										1		1
I 3,10:l,v:-		1				2	2		1	4	1	11
I 3,10:l,z13:-	3									1		4
I 3,10:r:-						3						3
I 3,15,34:l,v:-		1										1
I 3,15:l,z13:-			1									1
I 4,12,27:d:-										1		1
I 4,12,27:l,v:-										1		1
I 4,12:-:e,n,x											1	1
I 4,12:f,g,s:-											3	3
I 4,12:l,v:-					1							1
I 4,[5],12:-:1,2	3	4	3	3	1	15	3	10	9	13	12	76
I 4,[5],12:-:1,5										1	2	3
I 4,[5],12:-:1,7		1					2			1		4
I 4,[5],12:-:e,n,z15											1	1
I 4,[5],12:b:-	4	12	24	50	72	70	78	74	90	158	107	739
I 4,[5],12:b:- var. L(+) tartrate+					6	27	105	122	124	106	137	627
I 4,[5],12:d:-	3	5				3	5	12	5	10	5	48



**Appendix 3.** Laboratory-confirmed *Salmonella* infections reported to CDC, by serotype and year, 2001-2011

Serotype	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Total
I 4,[5],12:e,h:-		2	2		2	5	5	4	2	2	11	35
I 4,[5],12:i:-	297	304	553	752	884	1233	1273	943	991	1192	1339	9761
I 4,[5],12:r:-	1	1	4	17	2	1		18	17	22	9	92
I 6,14,24:d:-										1		1
I 6,14,24:e,h:-			1									1
I 6,14,25::l,z13,z28						1						1
I 6,14,25:b:-				2		1	1	1				5
I 6,14:y:-											1	1
I 6,7,14:e,h:-										1		1
I 6,7::1,2	1								2			3
I 6,7::1,5	4	9	31	16	23	15	23	27	26	35	43	252
I 6,7::1,6			1						1	1	3	6
I 6,7::1,7										1		1
I 6,7::e,n,x									1	2	3	6
I 6,7::e,n,z15									2	2	3	7
I 6,7:b:-	1			1	1					3		6
I 6,7:c:-						1	2	1	1		1	6
I 6,7:d:-										3		3
I 6,7:e,h:-		2	1			2	1	2	4	13	11	36
I 6,7:i:-						1						1
I 6,7:k:-	3	2	5	3	3	17	6	7	18	19	25	108
I 6,7:l,v:-		2										2
I 6,7:l,w:-	2	1				1		3	1	2	5	15
I 6,7:r:-				1	1	2	1	7	2	10	14	38
I 6,7:y:-								3		4	2	9
I 6,7:z10:-											3	3
I 6,7:z4,z23:-		1										1
I 6,8,20:z4,z24:-						1						1
I 6,8::1,2	1		1		2	1	2	4	3	3	8	25
I 6,8::1,5		1			1		2			2		6
I 6,8::e,n,x			1								1	2
I 6,8::e,n,z15									1			1
I 6,8:b:-					1					1	1	3
I 6,8:d:-		3	1	1		1	9	5	8	9	8	45
I 6,8:e,h:-	1		2	3		2	3	6	7	9	15	48
I 6,8:i:-								1				1
I 6,8:l,v:-								1		1	1	3
I 6,8:r:-										1	1	2
I 6,8:z10:-		1						2			1	4
I 8,20:i:-							1			1	1	3

**Appendix 3.** Laboratory-confirmed *Salmonella* infections reported to CDC, by serotype and year, 2001-2011

Serotype	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Total
I 9,12:-:1,2									1			1
I 9,12:-:1,5	2	5	1	1		3	4	6	10	12	13	57
I 9,12:-:e,n,x										1		1
I 9,12:a:-		1						3		1	3	8
I 9,12:e,h:-										1		1
I 9,12:g,z51:-						1				3		4
I 9,12:l,v:-		3	1			2	1	6		1	4	18
I 9,12:l,z28:-	6	12	15	1	7	9	14	17	33	30	23	167
I 11:-:e,n,x											2	2
I 11:e,h:-				1								1
I 11:r:-			2						1	1	2	6
I 11:z10:-						1						1
I 13,22:-:1,6					1		1					2
I 13,22:b:-	1	2									2	5
I 13,22:z:-						1			2	2	4	9
I 13,23:-:1,5				1			2	1	2	5	8	19
I 13,23:b:-			4	3	8	4	81	131	113	234	218	796
I 13,23:c:e,n,z15								1				1
I 13,23:i:-		1										1
I 13,23:z:-											1	1
I 16:-:e,n,x										1		1
I 16:a:-										1		1
I 16:b:-										1	2	3
I 16:d:-								1	1	1		3
I 16:e,h:-			1						2			3
I 16:l,v:-					2		2				2	6
I 17:-:e,n,x											1	1
I 28:i:-						1				1		2
I 38:k:-				1				2	1	4	2	10
I 40:-:e,n,x				2								2
I 43:k:-						3						3
I 45:b:-						2		5	3	3	3	16
I 47:b:-									1			1
I 47:d:-											1	1
I 47:z4,z23:-				1		13	2	3	3	8	3	33
II 4,12,[27]:b:[e,n,x]	1		1	1								3
II 4,12:-:1,6				1								1
II 4,12:a:-	1											1
II 4,5,12:a:-											1	1
II 6,7:-:1,6											1	1

**Appendix 3.** Laboratory-confirmed *Salmonella* infections reported to CDC, by serotype and year, 2001-2011

Serotype	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Total
II 6,7:b:z42					1							1
II 6,7:m,t:-			1									1
II 6,7:z39:1,5,7			1									1
II 6,7:z:1,5						1						1
II 9,12:b:-				1								1
II 9,12:d:e,n,x			1									1
II 9,12:g,m,[s],t:[1,5,7]:[z42]	5	1	2									8
II 9,12:g,m,s,t:e,n,x					1							1
II 9,12:g,s,t:e,n,x		1			1						1	3
II 9,12:l,w:e,n,x		1								1	1	3
II 9,12:m,t:-								1				1
II 9,12:z29:1,5											1	1
II 9,12:z39:1,7							1					1
II 9,46:m,t:e,n,x				1								1
II 11:g,[m],[s],t:z39		1			1							2
II 13,22:z29:1,5		1	3							1		5
II 13,23:b:[1,5]:z42										15	21	36
II 13,23:d:e,n,x								1				1
II 13,23:g,m,[s],t:[e,n,x]		1										1
II 13,23:g,t:e,n,x										1		1
II 16:g,[m],[s],t:[1,5]											1	1
II 16:m,t:-										2	2	4
II 16:z35:e,n,x				1								1
II 16:z4,z23:-							1					1
II 17:b:-											1	1
II 17:g,t:-	2	1						1				4
II 21:b:1,5			3									3
II 21:g,[m],[s],t:-							1	1			1	3
II 21:z10:[z6]	2					1	2	1	4	1		11
II 30:b:z6										1		1
II 30:l,z28:z6				1	1	1		1	1			5
II 35:g,m,s,t:-		1										1
II 35:l,z28:-						1						1
II 35:z29:e,n,x			1									1
II 40:c:e,n,x,z15									1		1	2
II 40:m,t:-		1										1
II 40:z39:1,7						1						1
II 40:z4,z24:z39			1									1
II 41:z10:z6		1					1	1				3
II 42:b:e,n,x,z15		1			1							2

**Appendix 3.** Laboratory-confirmed *Salmonella* infections reported to CDC, by serotype and year, 2001-2011

Serotype	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Total
II 42:z:e,n,x,z15									1			1
II 44:z4,z23:-					1							1
II 47:b:1,5	2		5	1	8	2	4	4	1		1	28
II 47:b:e,n,x,z15						1	2		2	3	2	10
II 47:b:z6							1					1
II 47:d:1,5											1	1
II 47:d:z39		4										4
II 48:a:z39									1		1	2
II 48:a:z6	2	2	1			1	1	1			1	9
II 48:b:z6			1									1
II 48:d:1,2				1								1
II 48:d:z6		4		1	1	2			2	1	1	12
II 48:k:z39		1										1
II 48:z39:z81			1	2	1							4
II 50:b:z6	2	4	4	2	1	2	2	2	1	2	1	23
II 55:k:z39								1				1
II 58:c:z6						2	1					3
II 58:d:z6	1			1						1		3
II 58:l,z13,z28:1,5									1			1
II 58:l,z13,z28:z6				1	1	2	8	7	5	4		28
II 60:g,m,t:z6								1			1	2
IIIa 13,22:z4,z23:-						1	1				1	3
IIIa 13,23:g,z51:-						1		1		2	2	6
IIIa 13,23:z4,z23,[z32]:-								2		1		3
IIIa 13,23:z4,z24:-								1	6	1		8
IIIa 17:z29:-								1		1		2
IIIa 17:z4,z23:-		1										1
IIIa 18:g,z51:-											1	1
IIIa 18:z36:-						1						1
IIIa 18:z4,z23:-		1	7	4	13	19	7	29	33	39	35	187
IIIa 18:z4,z32:-			2			1		2				5
IIIa 21:g,z51:-		1			2	2		2		2	1	10
IIIa 21:z29:-								2				2
IIIa 21:z36:-						1						1
IIIa 21:z4,z23:-									1			1
IIIa 21:z4,z32:-										1		1
IIIa 35:g,z51:-					1							1
IIIa 35:z29:-				1				1				2
IIIa 35:z4,z23:-					1	1	1	2	1	1		7
IIIa 35:z4,z32:-							2					2

**Appendix 3.** Laboratory-confirmed *Salmonella* infections reported to CDC, by serotype and year, 2001-2011

Serotype	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Total
IIIa 40:g,z51:-			2					2	1	2	3	10
IIIa 40:z36:-								1	1		1	3
IIIa 40:z4,z23:-	1					2		1	2	2		8
IIIa 40:z4,z24:-						1			1	1		3
IIIa 41:z4,z23,z32:-								1	2	1	1	5
IIIa 41:z4,z23:-		4	2	11	6	11	13	17	10	13	19	106
IIIa 41:z4,z24:-									2	1		3
IIIa 41:z4,z32:-									2	1	1	4
IIIa 42:g,z51:-							1					1
IIIa 42:z4,z23:-						1	1			2		4
IIIa 42:z4,z24:-					1			1		1		3
IIIa 43:g,z51:-										1		1
IIIa 43:z29:-	1				1			1		2		5
IIIa 43:z4,z23:-									2		3	5
IIIa 43:z4,z24:-					1							1
IIIa 44:z4,z23,z32:-							1				1	2
IIIa 44:z4,z23:-				1				1			1	3
IIIa 44:z4,z24:-			1			2		2	1	1		7
IIIa 44:z4,z32:-								1	1	1	1	4
IIIa 45:z4,z23:-										1		1
IIIa 45:z4,z24:-		1										1
IIIa 47:z4,z23:-						3		1		4	1	9
IIIa 48:g,z51:-	2	7	4	3	3	6	8	16	15	6	18	88
IIIa 48:z29:-		1				1	1					3
IIIa 48:z36:-	1					1			1		1	4
IIIa 48:z4,z23,z32:-									1			1
IIIa 48:z4,z23:-		2										2
IIIa 48:z4,z24:-	2		3		3	4	3	6	4	3	14	42
IIIa 50:g,z51:-											2	2
IIIa 50:z29:-									1			1
IIIa 50:z36:-								1				1
IIIa 50:z4,z23:-							3	1	2		1	7
IIIa 50:z4,z32:-						2						2
IIIa 51:g,z51:-							1	1				2
IIIa 51:z4,z23:-		1		2		1		1	1		1	7
IIIa 51:z4,z24:-			1					1				2
IIIa 53:g,z51:-					1							1
IIIa 53:z4,z23,z32:-									1	1	1	3
IIIa 53:z4,z23:-				1	3	5		4	3	1	4	21
IIIa 53:z4,z24:-	1				1							2
IIIa 56:z4,z23:-					3	1	5	3	2	2	5	21

**Appendix 3.** Laboratory-confirmed *Salmonella* infections reported to CDC, by serotype and year, 2001-2011

Serotype	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Total
IIIa 59:z29:-			1									1
IIIa 59:z36:-			1									1
IIIa 62:z4,z23:-		1										1
IIIa 63:z4,z23:-						2				1		3
IIIb (6),14:z10:z									1			1
IIIb 6,14:l,v:z											1	1
IIIb 11:k:z53					1							1
IIIb 11:l,[v],[z13]:z53						1						1
IIIb 13,23:z:1,5								2				2
IIIb 16:z10:e,n,x,z15	1	2	2	1			4	1	1		1	13
IIIb 17:l,v:e,n,x,z15			1									1
IIIb 17:z10:e,n,x,z15		1		1				1				3
IIIb 18:l,[v],[z13]:z				4					1			5
IIIb 35:i:e,n,x,z15											1	1
IIIb 35:i:z						1						1
IIIb 35:k:e,n,x,z15						1			2			3
IIIb 35:k:z53								1				1
IIIb 35:l,v:z35	1		1					1	4		3	10
IIIb 35:r:e,n,x,z15						1		1	1			3
IIIb 38:(k):-						1						1
IIIb 38:(k):z35		1	2			1	1	1		1		7
IIIb 38:l,v:z53	1							2	1			4
IIIb 38:r:z					1							1
IIIb 42:(k):z35						1					2	3
IIIb 47:k:-									1	1		2
IIIb 47:k:z35		2		1		1	3	4		7	4	22
IIIb 47:k:z53								1		1		2
IIIb 47:r:z									1			1
IIIb 47:r:z53			1						1	1	1	4
IIIb 47:z10:z35							1			1		2
IIIb 48:-:z35						1						1
IIIb 48:c:z	1		2					1				4
IIIb 48:i:-						1						1
IIIb 48:i:z	2	1	2	3	4	8	8	5	3	1	7	44
IIIb 48:k:z53										1		1
IIIb 48:l,v:z											1	1
IIIb 48:r:e,n,x,z15							1					1
IIIb 48:r:z				1				1				2
IIIb 48:z52:z			1	1	1		1	1				5
IIIb 50:k:z		4	6	3		1	1	3	8	7	15	48
IIIb 50:k:z35									1			1

**Appendix 3.** Laboratory-confirmed *Salmonella* infections reported to CDC, by serotype and year, 2001-2011

Serotype	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Total
IIIb 50:k:z53		1				2	1			1	1	6
IIIb 50:l,v:z								1	1		1	3
IIIb 50:l,v:z35				1				1		1	2	5
IIIb 50:r:-											1	1
IIIb 50:r:1,5,(7)								2				2
IIIb 50:r:z		2	1	3	1	10	3	7	3	7	4	41
IIIb 50:r:z35							1					1
IIIb 50:z52:z35		1	1	1		1	1	1		5	1	12
IIIb 50:z:z52	1	1	1						2		1	6
IIIb 53:k:e,n,x,z15						1						1
IIIb 53:k:z			1									1
IIIb 53:z10:z							1	2				3
IIIb 53:z10:z35					1	1	1	2	4	2	3	14
IIIb 53:z52:z53							1	1			3	5
IIIb 58:z52:z35				1								1
IIIb 60:r:-	1									1		2
IIIb 60:r:e,n,x,z15	2	1	4	4	1	4	2	3	10	5	5	41
IIIb 60:r:z		1	2	1				1		3	1	9
IIIb 60:z52:z									1			1
IIIb 60:z52:z35								1				1
IIIb 60:z52:z53	1					2	2		1	1	2	9
IIIb 61:(k):z53	1									1		2
IIIb 61:-:1,5,[7]	1		2	1	2		6	1	3	21	11	48
IIIb 61:c:-			1									1
IIIb 61:c:1,5,(7)								1	1			2
IIIb 61:c:z35	2	1	2	1	3	1	2	2	4	2	7	27
IIIb 61:i:z		1	1				2	1	1			6
IIIb 61:i:z35								1				1
IIIb 61:i:z53						1			1	1		3
IIIb 61:k:1,5,[7]	3		1		2	2	1		1	13	7	30
IIIb 61:l,[v],[z13]:-		1										1
IIIb 61:l,[v],[z13]:1,5,[7]		17	2	2	1	11	13	8	23	16	17	110
IIIb 61:l,[v],[z13]:z35			3	1					1	1	2	8
IIIb 61:l,v:z					3							3
IIIb 61:r:z	1			1						1		3
IIIb 61:r:z53	2	1	1				1					5
IIIb 61:z52:z53			1	1	1	4	2	5		4	5	23
IIIb 65:(k):z								2	1	2		5
IIIb 65:(k):z35							1	1	1		1	4
IIIb 65:(k):z53							1		1	1	1	4
IIIb 65:l,v:z											1	1

**Appendix 3.** Laboratory-confirmed *Salmonella* infections reported to CDC, by serotype and year, 2001-2011

Serotype	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Total
IIIb 65:z10:e,n,x,z15						2		1				3
IV 6,7:z4,z23:-	1		1									2
IV 6,7:z4,z24:-	7	9	8	2		1			6	1	5	39
IV 11:g,z51:-								1			1	2
IV 11:z4,z23:-	2	1	1		1	3	2	1	1			12
IV 16:z4,z23:-					1							1
IV 16:z4,z32:-	20	11	4	3	5	7	6	4	9	3	2	74
IV 21:g,z51:-		1										1
IV 21:z4,z23:-					2							2
IV 21:z4,z32:-										1		1
IV 40:z4,z23:-								1				1
IV 40:z4,z24:-						1	2	1	1	2	2	9
IV 40:z4,z32:-					1	1	1		1			4
IV 43:z36,z38:-				1								1
IV 43:z4,z23:-	5		3	7	1	4	1	2	3	5	2	33
IV 43:z4,z32:-		2			1				1			4
IV 44:z36,[z38]:-	1	4	2	1			1	1	1	6	6	23
IV 44:z4,z23:-	5	15	14	7	16	11	8	11	7	13	10	117
IV 44:z4,z24:-	1			2	1				4	2	3	13
IV 44:z4,z32:-		3		1	5	7		4	5		5	30
IV 45:g,z51:-	5	1	8	8	8	7	13	10	10	2	1	73
IV 48:g,z51:-	46	42	30	13	5	11	31	11	20	16	11	236
IV 48:z4,z23:-			2									2
IV 48:z4,z24:-							1					1
IV 48:z4,z32:-	1		1	1		3	15	2	1	2		26
IV 50:g,z51:-	16	23	9	9	7	16	8	9	11	13	12	133
IV 50:z4,z23:-	14	7	6	7	6	64	89	42	22	9	9	275
IV 50:z4,z32:-						2	1		3			6
IV 51:z4,z23:-										1		1
IV 53:z4,z23:-											1	1
V 48:a:-										1		1
<i>S. bongori</i> ser. 48:z35:-				1	2			3				6
<i>S. bongori</i> ser. 48:z81:-								3		1		4
<i>S. bongori</i> ser. 66:z81:-				1								1
Partially serotyped	1282	1239	1359	1313	1664	1436	1187	1586	1101	1338	1603	15108
Rough, mucoid, and/or nonmotile isolates	22	51	54	61	41	110	101	128	133	233	219	1153
Unknown	571	2530	3610	2001	1113	3718	3845	5569	3523	4095	4173	34748
<b>Total</b>	<b>31876</b>	<b>34911</b>	<b>37442</b>	<b>35661</b>	<b>36214</b>	<b>40323</b>	<b>39970</b>	<b>45182</b>	<b>40828</b>	<b>46339</b>	<b>45828</b>	<b>434574</b>



**Appendix 3a.** Laboratory-confirmed partially-serotyped *Salmonella* isolates from human sources reported to CDC, by serogroup and year, 2001-2011

Serogroup	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Total
Group O:11	46	7	1	10	35	20	4					123
Group O:13	30	22	1	11	22	15	10	15	11	11	16	164
Group O:16	5	2	2	1	7	10		2	2	2	2	35
Group O:17	8	2	1		1	5			2			19
Group O:18	4	4	2		2	2						14
Group O:21	2	1			5	3						11
Group O:28	1	3		4	8	5	1			1		23
Group O:30	1	2			5	2	1	1			2	14
Group O:35						1	1			2	4	8
Group O:38						5	1	1	1			8
Group O:39						3				1	3	7
Group O:40	6	3	1	1	4	6					3	24
Group O:41	5		1			1						7
Group O:42								1				1
Group O:43					1	1						2
Group O:44	9	10	5	4	1		1			1		31
Group O:45	4	4	1	2		1	1			1		14
Group O:47	1				1	2	1					5
Group O:48	13	11	5	1	18	2	1	2	1		1	55
Group O:50	99	72	4	18	114	47	2		1	1	1	359
Group O:51	2											2
Group O:53	1	1										2
Group O:56	1											1
Group O:58	1		1							1		3
Group O:6,14		5	1		2			1	1	1		11
Group O:60									1			1
Group O:61								1				1
Group O:65	1	1						1				3
Subspecies I	43	53	99	157	155	101	239	346	285	271	308	2057
Subspecies I, Group A	2	4	4	1	2	7	7	4	7	9	2	49
Subspecies I, Group B	424	557	444	393	463	524	355	556	379	366	522	4983
Subspecies I, Group C1	108	112	160	141	134	201	194	301	154	206	230	1941
Subspecies I, Group C2	103	87	213	151	191	103	88	120	84	164	202	1506
Subspecies I, Group D1	199	139	257	269	283	200	109	96	73	207	204	2036
Subspecies I, Group D2		1	1	3	5					4		14
Subspecies I, Group E1	55	24	39	35	35	16	17	16	10	12	23	282
Subspecies I, Group E4	1		9	6	7	9	2	2	1	2	2	41
Subspecies I, Group O:11						1						1
Subspecies I, Group O:13						4						4

**Appendix 3a.** Laboratory-confirmed partially-serotyped *Salmonella* isolates from human sources reported to CDC, by serogroup and year, 2001-2011

Serogroup	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Total
Subspecies I, Group O:30		1										1
Subspecies I, Group O:35		1							1			2
Subspecies I, Group O:38					1	1						2
Subspecies I, Group O:40						1						1
Subspecies I, Group O:47						1						1
Subspecies I, Group O:48			2					1				3
Subspecies I, Group O:51						1						1
Subspecies II	10	5	2	5	9	3	21	18	12	11	18	114
Subspecies IIIa	16	11	17	24	27	20	9	15	15	8	10	172
Subspecies IIIa, Group O:13			1			1						2
Subspecies IIIa, Group O:40						1				1		2
Subspecies IIIa, Group O:41									1			1
Subspecies IIIa, Group O:48						1						1
Subspecies IIIa, Group O:50										1		1
Subspecies IIIa, Group O:51								2				2
Subspecies IIIa, Group O:63		1										1
Subspecies IIIa/IIIb	41	40	32	25	40	29	40	36	14	24	18	339
Subspecies IIIb	6	21	26	16	32	22	17	11	22	18	18	209
Subspecies IIIb, Group O:35	5	6	1	1	1							14
Subspecies IIIb, Group O:38	1	3	2	1	4							11
Subspecies IIIb, Group O:42					1							1
Subspecies IIIb, Group O:47			1		3	17				1		22
Subspecies IIIb, Group O:50						1						1
Subspecies IIIb, Group O:53								1				1
Subspecies IIIb, Group O:57		1										1
Subspecies IIIb, Group O:60						1			1			2
Subspecies IIIb, Group O:61	5	2				1	2			1		11
Subspecies IIIb, Group O:65					1		1	1				3
Subspecies IV	23	19	23	33	44	33	58	35	22	8	14	312
Subspecies IV, Group O:11		1										1
Subspecies IV, Group O:40										1		1
Subspecies IV, Group O:43						1						1
Subspecies IV, Group O:50						2						2
Subspecies VI						2	4			1		7
<b>Total</b>	<b>1282</b>	<b>1239</b>	<b>1359</b>	<b>1313</b>	<b>1664</b>	<b>1436</b>	<b>1187</b>	<b>1586</b>	<b>1101</b>	<b>1338</b>	<b>1603</b>	<b>15108</b>

**Appendix 4.** Laboratory-confirmed *Salmonella* isolates from clinical non-human sources submitted to the National Veterinary Services Laboratories (NVSL) for typing, by serotype and source, 2011

Serotype	All Others	Bovine	Chicken	Equine	Other birds/ Wild animals	Other Domestic Animals/ Environment	Porcine	Reptile	Turkey	Total
Aba	1									1
Adelaide	1	1					7			9
Agbeni							2			2
Agona	3	35	3	4	5	4	206		12	272
Alachua							4			4
Albany		1			1		3		34	39
Altona	2	4	1	1		1	5		2	16
Amager		2					2			4
Amsterdam var. 15+				1						1
Anatum	5	23	1	26	7	7	50	1	1	121
Anatum var. 15+		3		7	1		2		1	14
Aqua					1					1
Arechavaleta						1				1
Baildon								1		1
Banana							1			1
Bareilly				4		1				5
Barranquilla				8	1					9
Bere		2								2
Berta				3			5		8	16
Blockley	1									1
Bovismorbificans	1	3		2	1	1	8			16
Braenderup	2	6	1	20	3	2	3			37
Brandenburg		4		1			17			22
Bredeney	1	7		4			10		6	28
Carrau	1									1
Cerro	2	261	3	1	6	1	9			283
Choleraesuis							1			1
Choleraesuis var. Kunzendorf	1						19			20
Cubana		2			1		1			4
Derby		4			1	2	210		1	218
Dublin		316		1	1	2	3			323
Duisburg	2				1					3
Ealing						1	2			3

Data from United States Department of Agriculture (USDA), Animal and Plant Health Inspection Service (APHIS), and National Veterinary Services Laboratory (NVSL). Clinical animal isolates (referred to as 'clinical non-human') are isolates from animals with clinical signs of illness.

**Appendix 4.** Laboratory-confirmed *Salmonella* isolates from clinical non-human sources submitted to the National Veterinary Services Laboratories (NVSL) for typing, by serotype and source, 2011

Serotype	All Others	Bovine	Chicken	Equine	Other birds/ Wild animals	Other Domestic Animals/ Environment	Porcine	Reptile	Turkey	Total
Eastbourne	1							3		4
Ekpoui								1		1
Enteritidis	13	10	120	3	20	6	5		1	178
Fresno					1					1
Gaminara				3		2		1		6
Gera				1						1
Give	1	14		3	3		5			26
Give var. 15+		5		1						6
Give var. 15+,34+				2						2
Hadar					1	1	5		6	13
Hartford		2		7	2	2				13
Havana				2	2	2	4			10
Heidelberg	3	35	7	2	1	1	95		23	167
Hvittingfoss				1						1
Idikan		1								1
Ilala								1		1
Infantis	2	25	8	55	3	1	99	1		194
Inverness				3						3
Javiana	1			32	4	6	2			45
Johannesburg	2	3					44			49
Kentucky	2	46	40		3		4		1	96
Kiambu	1				1		1			3
Kisarawe	1									1
Krefeld		1			1		13			15
Lexington		1								1
Lille	1	3	3				2			9
Litchfield	2	4				1	3			10
Liverpool		4					3			7
Livingstone					1		7			8
Lomalinda	1									1
London							20		1	21
Manhattan				1		1	14			16
Mbandaka	1	27	6	11	1	2	15		2	65

Data from United States Department of Agriculture (USDA), Animal and Plant Health Inspection Service (APHIS), and National Veterinary Services Laboratory (NVSL). Clinical animal isolates (referred to as 'clinical non-human') are isolates from animals with clinical signs of illness.

**Appendix 4.** Laboratory-confirmed *Salmonella* isolates from clinical non-human sources submitted to the National Veterinary Services Laboratories (NVSL) for typing, by serotype and source, 2011

Serotype	All Others	Bovine	Chicken	Equine	Other birds/ Wild animals	Other Domestic Animals/ Environment	Porcine	Reptile	Turkey	Total
Meleagridis		19		1	2	1	2			25
Memphis				1						1
Miami								1		1
Minnesota		2			1					3
Mississippi				1	1					2
Montevideo	1	127		9	4	7	12		13	173
Muenchen		12		6	8	3	16		2	47
Muenster		22		2			5	1	1	31
Newport	8	87	1	72	14	19	12			213
Norwich	1			31	1					33
Ohio		19					34			53
Oranienburg		8		4	4	3	1			20
Orion		1					1		1	3
Orion var. 15+							1			1
Orion var. 15+,34+		1			1	1		1		4
Ouakam		2	1		1		8		30	42
Panama							2			2
Paratyphi B var. L-tartrate+	1	1		7			2	3		14
Pensacola				1						1
Pomona								1		1
Pullorum			1							1
Putten	1	3		2			8			14
Reading				2	2		3			7
Rissen	1	1					8			10
Roodepoort		1								1
Rubislaw	2			7	1	1				11
Saintpaul		2		5	3	2	10		12	34
Sandiego	2			1						3
Schwarzengrund	4	2					15		3	24
Senftenberg	2	6	2	1	2	11	53		37	114
Soerenga		1		1						2
Taksony					2					2
Tallahassee	1			1						2

Data from United States Department of Agriculture (USDA), Animal and Plant Health Inspection Service (APHIS), and National Veterinary Services Laboratory (NVSL). Clinical animal isolates (referred to as 'clinical non-human') are isolates from animals with clinical signs of illness.

**Appendix 4.** Laboratory-confirmed *Salmonella* isolates from clinical non-human sources submitted to the National Veterinary Services Laboratories (NVSL) for typing, by serotype and source, 2011

Serotype	All Others	Bovine	Chicken	Equine	Other birds/ Wild animals	Other Domestic Animals/ Environment	Porcine	Reptile	Turkey	Total
Tennessee		1		1	1		2	1	2	8
Thompson	1	3	1	11		1			8	25
Typhimurium	15	113	13	26	20	23	148		1	359
Typhimurium var. 5-	12	81	4	17	16	9	450		6	595
Uganda	1	5		1	2	2	14		1	26
Uganda var. 15+							4		1	5
Uppsala				2						2
Urbana				1						1
Weltevreden	1									1
Weslaco				2						2
Worthington		3		1			54		1	59
I 13,23:-:l,w							1			1
I 4,12:-:1,2							1			1
I 4,12:e,h:-									1	1
I 4,12:l,v:-							1			1
I 4,5,12:-:1,2			1							1
I 4,5,12:-:e,n,z15							1			1
I 4,5,12:r:-		1								1
I 4,[5],12:i:-	4	59	6	35	13	2	49		2	170
I 6,7:-:1,5		1		4		1	9		1	16
I 6,7:-:e,n,z15									1	1
I 6,7:-:l,w							1			1
I 6,7:c:-							1			1
I 6,7:k:-			1		1		1			3
I 6,7:r:-		1			1		1			3
I 6,8:d:-							1			1
I 6,8:r:-							1			1
I 8,20:-:z6		1								1
I 9,12:l,z28:						1				1
II 47:b:1,5					1					1
IIIa 17:z29:-						3				3
IIIa 18:z4,z23:-					1					1
IIIa 21:g,z51:-								1		1

Data from United States Department of Agriculture (USDA), Animal and Plant Health Inspection Service (APHIS), and National Veterinary Services Laboratory (NVSL). Clinical animal isolates (referred to as 'clinical non-human') are isolates from animals with clinical signs of illness.

**Appendix 4.** Laboratory-confirmed *Salmonella* isolates from clinical non-human sources submitted to the National Veterinary Services Laboratories (NVSL) for typing, by serotype and source, 2011

Serotype	All Others	Bovine	Chicken	Equine	Other birds/ Wild animals	Other Domestic Animals/ Environment	Porcine	Reptile	Turkey	Total
IIIa 41:z4,z23:-					1			2		3
IIIa 42:z4,z23:-					1					1
IIIa 44:z4,z23:-								2		2
IIIa 47:z4,z23:-								1		1
IIIa 48:g,z51:-			1						1	2
IIIa 48:z4,z24:-						1		1		2
IIIa 51:z4,z23:-								2		2
IIIa 53:z4z24:-								1		1
IIIa 56:z4,z23:-	1									1
IIIb 16:z10:e,n,x,z15	4									4
IIIb 21:i:1,5,7	1									1
IIIb 35:i:-								1		1
IIIb 38:(k):z35	2				1			2		5
IIIb 38:k:-								7		7
IIIb 38:l,v:z53								1		1
IIIb 42:(k):-								2		2
IIIb 48:i:z					1			1		2
IIIb 48:l,v:1,5,7								1		1
IIIb 48:z52:z								1		1
IIIb 50:(k):z				1				1		2
IIIb 50:r:z					2			3		5
IIIb 53:r:z35								1		1
IIIb 57:c:z	1							1		2
IIIb 58:l,v:z35								1		1
IIIb 58:r:-								1		1
IIIb 6,14:l,v:z								1		1
IIIb 61:-:1,5,7	1					20				21
IIIb 61:c:1,5,7								1		1
IIIb 61:i:z35								1		1
IIIb 61:l,v:z35								1		1
IIIb 65:l,v:z								1		1
IV 16:z4,z32:-	1									1
IV 40:z4,z24:-				1						1

Data from United States Department of Agriculture (USDA), Animal and Plant Health Inspection Service (APHIS), and National Veterinary Services Laboratory (NVSL). Clinical animal isolates (referred to as 'clinical non-human') are isolates from animals with clinical signs of illness.

**Appendix 4.** Laboratory-confirmed *Salmonella* isolates from clinical non-human sources submitted to the National Veterinary Services Laboratories (NVSL) for typing, by serotype and source, 2011

Serotype	All Others	Bovine	Chicken	Equine	Other birds/ Wild animals	Other Domestic Animals/ Environment	Porcine	Reptile	Turkey	Total
IV 43:z4,z23:-					1			2		3
IV 43:z4z24:-								14		14
IV 44:z36:-					1	1				2
IV 44:z4,z23:-	1									1
IV 44:z4,z24:-								1		1
IV 48:g,z51:-								1		1
IV 50:g,z51:-	1							2		3
IV 50:z4,z23:-	2							1		3
IV 51:z4,z23:-								1		1
Rough, mucoid, and/ or nonmotile isolates	2	34	12	2	3	2	32	1	2	90
	<b>130</b>	<b>1475</b>	<b>237</b>	<b>470</b>	<b>188</b>	<b>162</b>	<b>1876</b>	<b>79</b>	<b>226</b>	<b>4843</b>

Data from United States Department of Agriculture (USDA), Animal and Plant Health Inspection Service (APHIS), and National Veterinary Services Laboratory (NVSL). Clinical animal isolates (referred to as 'clinical non-human') are isolates from animals with clinical signs of illness.



**Appendix 5.** Laboratory-confirmed *Salmonella* isolates from non-clinical non-human sources submitted to the National Veterinary Services Laboratories (NVSL) for typing, by serotype and source, 2011

Serotype	All Others	Bovine	Chicken	Equine	Other birds/ Wild animals	Other Domestic Animals/ Environment	Porcine	Reptile	Turkey	Total
Abaetetuba	1		4							5
Adelaide			6				25		8	39
Agona	23		19				89		26	157
Alabama			2							2
Alachua	5		32			1	2		7	47
Albany	1		4				1		43	49
Altona	2		19				3			24
Amager	4		5							9
Anatum	37		51		2		88		16	194
Anatum var. 15+	8		5				2		8	23
Anatum var. 15+,34+			2							2
Apapa			4							4
Aqua			2							2
Babelsberg	1		2							3
Banana			9							9
Bareilly	3	1	33						2	39
Barranquilla	6		17						2	25
Bergen	1		1							2
Berta	3		14				4		54	75
Bietri			1							1
Blockley			1					1		2
Bovismorbificans			7				3			10
Braenderup	7		57				3			67
Brandenburg	1		7				24			32
Bredeney	5		5				19		1	30
Cannstatt			1							1
Carrau			2							2
Cerro	14	6	25				7			52
Chailey							1			1
Cubana	5		19					1	6	31
Derby	4		5			1	339		1	350
Drac					1					1
Dublin	1	3			1					5

Data from United States Department of Agriculture (USDA), Animal and Plant Health Inspection Service (APHIS), and National Veterinary Services Laboratory (NVSL).

**Appendix 5.** Laboratory-confirmed *Salmonella* isolates from non-clinical non-human sources submitted to the National Veterinary Services Laboratories (NVSL) for typing, by serotype and source, 2011

Serotype	All Others	Bovine	Chicken	Equine	Other birds/ Wild animals	Other Domestic Animals/ Environment	Porcine	Reptile	Turkey	Total
Ealing	1									1
Enteritidis	32		480		3	1	4		1	521
Falkensee			3				1			4
Fresno			2							2
Gallinarum			1							1
Gaminara	2		2							4
Gera	1		2						5	8
Give	2	1	13		2		11			29
Give var. 15+	1		16		3		1			21
Give var. 15+,34+			10							10
Hadar	6		11				1		142	160
Hartford	1		14		1					16
Havana	6		9			1	5		2	23
Heidelberg	6		122				40		123	291
Hvittingfoss	1									1
Idikan	4		2							6
Infantis	10		40	4			96		14	164
Inverness			1							1
Javiana	13		14		2				4	33
Jodhpur	2									2
Johannesburg	2		38				47			87
Kentucky	33		586				4		45	668
Kiambu	1		8				1			10
Kisarawe	1									1
Krefeld							1			1
Lexington	2									2
Lexington var. 15+,34+			1							1
Lille	3		40							43
Litchfield	2		12				5			19
Liverpool	10		20				7		2	39
Livingstone	9		20			1	7			37
London	4						53		23	80

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**Appendix 5.** Laboratory-confirmed *Salmonella* isolates from non-clinical non-human sources submitted to the National Veterinary Services Laboratories (NVSL) for typing, by serotype and source, 2011

Serotype	All Others	Bovine	Chicken	Equine	Other birds/ Wild animals	Other Domestic Animals/ Environment	Porcine	Reptile	Turkey	Total
London var. 15+,34+							1			1
Manhattan	1		8				5			14
Maricopa			1							1
Mbandaka	42		236	1	1		13		6	299
Meleagridis	6		4				6			16
Memphis			2							2
Miami			1							1
Minnesota	1		3				1		1	6
Mississippi			1							1
Molade	3		9							12
Montevideo	15		48				18		10	91
Muenchen	8		30		1	7	20		3	69
Muenster	7		14				6		80	107
Muenster var. 15+									5	5
Muenster var. 15+,34+	1		1				1			3
Newport	28	1	61		1		4	1	1	97
Nima			1							1
Norwich			7						1	8
Ohio	4		6			1	29			40
Oranienburg	21		22	5			2		6	56
Orion			9				3		60	72
Orion var. 15+			4							4
Orion var. 15+,34+	2		19							21
Ouakam	2		6				1		38	47
Panama							8			8
Paratyphi B var. L-tartrate+			12							12
Pomona	1		3							4
Poona			2							2
Pullorum	9		1							10
Putten	3		6							9
Reading	3		1				2			6

Data from United States Department of Agriculture (USDA), Animal and Plant Health Inspection Service (APHIS), and National Veterinary Services Laboratory (NVSL).

**Appendix 5.** Laboratory-confirmed *Salmonella* isolates from non-clinical non-human sources submitted to the National Veterinary Services Laboratories (NVSL) for typing, by serotype and source, 2011

Serotype	All Others	Bovine	Chicken	Equine	Other birds/ Wild animals	Other Domestic Animals/ Environment	Porcine	Reptile	Turkey	Total
Rissen	10		21				8		1	40
Rubislaw	1		10		1					12
Ruiru	1		1							2
Saintpaul	6		3				11		102	122
Sandiego	3		1		2					6
Schwarzengrund	14		79		1		20		30	144
Senftenberg	17	2	316		2	3	29		89	458
Soerenga	3		8							11
Stanley	1									1
Taksony			1							1
Tallahassee			1							1
Tennessee	6		106						15	127
Thompson	2		38						12	52
Tucson	1									1
Typhimurium	15	1	105	1	2	2	17		32	175
Typhimurium var. 5-	12	2	30		2		124		8	178
Uganda	2		10				28			40
Uganda var. 15+			5				8			13
Uganda var. 15+,34+	1									1
Weltevreden	1									1
Weltevreden var. 15+	1									1
Widemarsh			5							5
Woodinville	2									2
Worthington	6		29				11		36	82
I 13,23:z:-					1		1			2
I 15,34:z10:-	1		2							3
I 21:-:e,n,x	1									1
I 21:b:-			1							1
I 3,10:e,h:-			3				1			4
I 3,10:l,v:-	1						1			2
I 3,15,34:e,h:z43			1							1
I 3,15,34:z10:-			2							2
I 3,19:-:z27	2						1			3

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**Appendix 5.** Laboratory-confirmed *Salmonella* isolates from non-clinical non-human sources submitted to the National Veterinary Services Laboratories (NVSL) for typing, by serotype and source, 2011

Serotype	All Others	Bovine	Chicken	Equine	Other birds/ Wild animals	Other Domestic Animals/ Environment	Porcine	Reptile	Turkey	Total
I 3,19:z:-	1									1
I 4,12:-:1,2	1				1					2
I 4,12:l,z28:1,6	1									1
I 4,[5],12:d:-									4	4
I 4,[5],12:i:-	6		91		1		10		6	114
I 42:z4,z23:-	2									2
I 51:y:1,2	1									1
I 6,7:-:1,5	1		9				1			11
I 6,7:-:1,6			1							1
I 6,7:-:e,n,z15			3						2	5
I 6,7:k:-			2							2
I 6,7:y:-	1		1							2
I 6,8:d:-			1							1
I 8,20:-:z6	2		48							50
I 8,20:i:-			1							1
I 8:-:z6			1							1
I 8:c:e,n,z15	1									1
IIIa 18:z4,z23:-		4							4	8
IIIa 18:z4,z32:-								1		1
IIIa 35:z29:-						1				1
IIIa 40:z4,z32:-					2					2
IIIa 41:z4,z23:-	1									1
IIIa 43:z29:-								1		1
IIIa 48:g,z51:-						3				3
IIIa 51:z4,z23:-			2							2
IIIa 62:z36:-					1					1
IIIb 16:z10:e,n,x,z15			2							2
IIIb 38:k:z35	1		1							2
IIIb 48:i:z					1					1
IIIb 48:l,v:1,5,7								1		1
IIIb 48:z52:z								1		1
IIIb 50:r:z	2									2
IIIb 6,14,18:l,v:z	1									1

Data from United States Department of Agriculture (USDA), Animal and Plant Health Inspection Service (APHIS), and National Veterinary Services Laboratory (NVSL).

**Appendix 5.** Laboratory-confirmed *Salmonella* isolates from non-clinical non-human sources submitted to the National Veterinary Services Laboratories (NVSL) for typing, by serotype and source, 2011

Serotype	All Others	Bovine	Chicken	Equine	Other birds/ Wild animals	Other Domestic Animals/ Environment	Porcine	Reptile	Turkey	Total
IIIb 6,14:z10:z								1		1
IIIb 61:-:1,5,7	2									2
IIIb 61:c:z35								1		1
IIIb 61:i:z35	1									1
IIIb 61:r:z	1									1
IIIb 65:k:z			1							1
IV 44:z36:-			5							5
IV 44:z4,z24:-	1									1
IV 44:z4,z32:-	1									1
IV 47:l,v:e,n,x					2					2
IV 50:z52:z	2									2
Rough, mucoid, and/ or nonmotile isolates	15		123		1	1	14		19	173
	<b>599</b>	<b>21</b>	<b>3416</b>	<b>11</b>	<b>38</b>	<b>23</b>	<b>1299</b>	<b>9</b>	<b>1106</b>	<b>6522</b>

Data from United States Department of Agriculture (USDA), Animal and Plant Health Inspection Service (APHIS), and National Veterinary Services Laboratory (NVSL).

Data in this report current as of 01/14/2013

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