Human *Salmonella* isolates, 2012

	Health District																											
Serotype	NL	NW	CA*	SA	WK	TG	BE	GS	RO	TP	RU	HB	TK	WG	MW	WR	WN	HU	NM	WC	CB	SC	OT	SO	Total	Blood	Urine	Travel[R]
Aberdeen																	1								1			1
Agona		1		1	1	2											2		1		2	1			11			5
Albany			1										1								1			1	4			3
Amsterdam var. 15+									1																1			
Anatum			1	1														1							3			1
Arechavaleta				2																					2			
Bareilly			2		1	1																			4			1
Birkenhead			1																						1			
Bovismorbificans		1	1		2	1									1								1	1	8			3
Braenderup		1																							1			
Brandenburg		2	3		3	1			1				1		1						4	3	2	13	34	3		
Cerro																							1		1			1
Chailey							1														1				2			1
Chester		1	1																		1				3			1
Corvallis		1	1	2	1							1							1		1				8			3
Cubana																							1		1			1
Derby		1	2	1																					4			
Durban					1																				1			1
Emek					4										1										5			
Enteritidis phage type 1			3	1								1					1								6		1	2
1b		2	2	1		1							1				1				1				9			1
1d		1																							1			
4																			1						1			1
4b																					1		1		2			
6a				1		1						1			2			1				1		1	8			5
6b																	1								1			
8	1	1				1												1				2			6			3
11	3	3	1	1	12	3		1		3		2	2		2	1	2	1	2		4	7	1	1	52		1	1
12 variant					1																				1			1
13			1	1	1																				3			1
15																							1		1			1
21	1		2	2									2									1			8			2
21 variant			1			1																			2			1
21c			2							1								1							4			1
26		1	1																		1				3			2
RDNC		2	3	2								1	1				1				2		1		13			3
Untypable		1	1																		2				4			2
Give												1									1				2			1
Give var. 15+																							1		1			
Hadar		1	1	1															1						4			1
Haifa																		1							1			1
Heidelberg			2									1									1				4			
Hindmarsh																1									1			
Hvittingfoss		2	1																				1		4			1
Ibadan																				1					1		1	1
Indiana																	2								2			2
Infantis	2	4	4	2	5	1	3	2				2	2	2	1		6	4	3		1	3	5		52			2
Javiana	1								1													1		1	4			3
Johannesburg		1																							1			
Kedougou			1																				1		2			1
Kentucky		1	1	1		1											1	2	1		1			1	10			3
Kokomlemle																					1				1			
Kottbus						1																			1			1
Lexington		1			1																				2			
Lexington var. 15+					1																				1			
Litchfield		1										1													2			1
London																					1				1			1
Maastricht		1																							1			
Mbandaka			4		1					1			1											1	8			1
Meleagridis			1																						1			
Mgulani				1																					1			
Mississippi		2			1										1			2	1		2	1	2		12			2
Montevideo	1	4	3	2	4	4	1					1					3		2			1			26			4
Muenchen																					1				1			
Newport			2		2												3				2				9			4
Oranienburg		1	2	1	1				1					1							1		2	1	11			6
Orion var. 15+																	1								1			1
Oslo		1	1	2											2		1				1				8			2
Panama		2	1																		1				4			1
Papuana				1																					1			
Paratyphi A		1	7	1		1						1					1				1		2		15	4		11
Paratyphi B var. Java		1	1																1		2		1	1	7			5
Pensacola		1	1	2	1																				5			1
Poona					1																1				2			
Potsdam					1								1										1		3			1
Reading													1												1			1
Rissen						1															2				3			2
Saintpaul		1	1			2													1		5	2	6	9	27			1
Schwarzengrund		1																			1		1		3			2
Senftenberg			1																						1			
Stanley	1	2	5	1	2	1									1		1	1	2		2	1	2		22	1		9
Taksony									1											1					2			
Tennessee					1											1									2			1
Thompson																	1	1							2			
Typhi phage type 28																		1						1	2			2
41 variant			1																						1	1		1
A			3																						3			2
A (degraded)			1																						1			1
E1a		2	4	6													1	1			1				15	3		12
E1a (degraded)				1																					1			1
E7 variant		3	1	4				1									1	1			1				12	2		11
Untypable		1		1		2															1				5	1		4
Typhimurium phage type 1	1	4	1		2				1		1				1	1		2	8		7	2	1	3	35			1
4																	1								1			1
8					3				1	1														3	8			
9		1	1		1		1	1				1									1		1	3	11			1
12a		3	1	3	3					1					4				1		7	2	1		26			
13																						1			1			1
23	1	11	4	3																	1				20			
26				1																					1			
26 variant		1																							1			
42	1		1		2			1				1	1		1				7		2	1		1	19			
54		1																							1			
74		1												1							3		2		7			
101	2	1	3	4	1													1	1	2	5	3	2	1	26			
101 variant																			2						2			
107												1									1				2			
108/170		2	4	1	2										1		1	1		1	2	1		1	17			2
120			1									1									1				3			1
126				2																	1		1		4			2
135	1	2	4	2	1						1						1		1	1	3	6	21		44			2
135 variant									1																1			
136					1																				1			1
155	1			1																	1				3			
156	5	2		1								1	4		2		4		1		1				21			
160					1												1	2	6	4	5	4	20	15	58			1
185				1	4								2								1				8			
191					1																				1			
191 variant																					1				1			
193	1				4		1												3			1			10			1
193 variant			1																						1			
195		4	1	3	1			1											1						11			
197		1	2																1						4			1
RDNC	1	1	1	2	2	1				2		2		1				2	3	1	4	1	1	1	26			3
RDNC-May 06	3	11	6	3	7		1	3	3	1		4	3	2	3	1	5	3	1	1	3	2	6	1	73			
Rough																					1				1			1
U302										1															1			1
U310		2																							2			
U311		1																							1			
Untypable		2	1		1						1						1								6			2
Virchow		2	3	2	2							1					3	1	1	1	1				17			8
Wandsworth													1								1				2		1	
Wangata			1		1		1						1						1						5			2
Weltevreden	1	8	6	2	1										1		1	1			2			1	24			7
Subsp. (I) ser. 3,10 : r : -			2																		1				3			1
Subsp. (I) ser. 4,5 : b : -		2	1	1								1									1				6			3
Subsp. (I) ser. 4,5,12 : b : -		1		1	1	1															1				5			3
Subsp. (I) ser. 4,5,12 : i : -		4	3	5	5	1						3	1		1		4	2			4		2	1	36			20
Subsp. (I) ser. 4,12 : - : 1,2																		1					1		2			
Subsp. (I) ser. 4,12 : - : e,n,z15			1																				1		2			
Subsp. (I) ser. 4,12 : f : -			1																				1		2			1
Subsp. (I) ser. 6,8 : e,h : -			1																						1			
Subsp. (I) ser. 6,14,25 : e,h : -																					1				1			
Subsp. (I) ser. 8,20 : - : 1,5			1																						1			
Subsp. (I) ser. 9,12 : l complex : 1,5		1																							1			
Subsp. (I) ser. 13,23 : - : 1,5			1																						1			
Subsp. (II) ser. 40 : g,m : -																							1		1			
Subsp. (IIIb) ser. 61 : i,v : z35																							1		1			
Total	28	123	133	81	96	29	9	10	11	11	3	29	26	7	26	5	53	35	55	13	115	48	97	63	1106	15	4	227

* Includes where Auckland Health District is unknown

[R] Recent overseas travel

***S.* Typhimurium**	459
Other serotypes	647

Household clusters	13

First human isolate in New Zealand

S. Chailey (6,8 : z4,z23 : [e,n,z15])
S. Durban (1,9,12 : a : e,n,z15)
S. Kokomlemle (39 : i,v : e,n,x)
S. Maastricht (11 : z41 : 1,2)
S. Enteritidis phage type 1d (1,9,12 : g,m : -)
S. Enteritidis phage type 12 variant
S. Typhi phage type 41 (9,12,[Vi] : d : -)
S. Typhimurium phage type 13 (1,4,5,12 : i : 1,2)
S. Typhimurium phage type 54

Mixed infection

S. Stanley and *S.* Weltevreden