Human *Salmonella* isolates - 2019

	Health Districts																												
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
Agona			2	5			1										2				2		2		14			10
Anatum				2																					2			1
Anatum var. 15+			1																		1				2			1
Apeyeme				1																					1			1
Arechavaleta			1	2																					3			2
Bardo				1																					1			1
Bareilly				3	1										1		2								7			4
Bovismorbificans	1		3	6	2		7					1	7		8		2				6		7		50	2		1
Braenderup				1																			1		2			2
Brancaster			1	1																					2			1
Brandenburg		1	3	7																5	7	1	15	3	42	7	5	
Carrau				1																					1			1
Cerro				1																					1			
Chailey							1																		1			1
Chester																					1				1		1	
Concord				1																					1			1
Corvallis				1													1				1				3			2
Derby				1																	1				2			2
Eastbourne																							1		1			1
Enteritidis phage type:																												
1				3									1				2						2		8			6
1b				1											1		1				1				4			4
1d																					1				1			1
3																					1				1			
3a							1																		1		1	
4b			1												1										2			
6a				1													1				2		1		5			5
7				1																					1			1
8			4	7			3						1		1						2				18			7
11	1	1	1	5	4		2										3				4	2	8		31			1
14																					1				1	1		
21		1	1	4			1										3				2				12			12
21 variant				1																					1			1
21b				1																					1			1
21c				1																	1				2			2
22																					1				1			1
26			4	6									1				6				2		2		21	3	5	6
28		1	2	8																					13	1		
34							1																		1			
34b							1																		1			1
43		1										1													2			
47																							1		1			1
RDNC				7			1								1						2				11		1	9
Untypable			1																				1		2			1
Enteritidis:																												
ST11	1	3	2	13																	1		2		22	1	1	3
ST183					1																				1			
ST1925																							1		1			1
ST1975			1																						1			
Falkensee					1																				1			
Fresno				1																					1			
Give																					1				1			1
Gideoaat							1																		1			1
Heidelberg			2	3	1		2								1								1		10	1		4
Hindmarsh																	1								1			
Hvittingfoss															1						3		1		5			4
Infantis			2	5	1							1	3		3		5				5		1		26		1	8
Javiana				1													1				2		1		5			4
Johannesburg				1																	1				2		1	
Kentucky		1	1	3	2		2																		9			2
Kottbus				2																	1				3		2	1
Leith				1																					1			1
Lexington		1													1								1		3			1
Litchfield							1																1		2			1
London				2																					2		2	
Mbandaka				2																					2			2
Mississippi			1	1			1														6		6		15	1		3
Montevideo			1		1																				2	1		
Newport			2	2													2				1		2		9		1	7
Ohlstedt		1																			1				2			
Oranienburg																							1		1			1
Orion			1																						1			
Oslo			1	2											2						1		1		7			4
Panama				1													1						1		3	1		3
Papuana			1																						1			1
Paratyphi A	1	1	3	3								1					1				2				12	5	1	11
Paratyphi B			1																						1	1		1
Paratyphi B 5786			2	1																	1		1		5	3		1
Paratyphi B var. Java			2	9	1		1						2				3				5		3		26	2	1	19
Paratyphi B var. Java Monophasic				1																					1			1
Pensacola			1	3			1																		5			2
Poona																	1								1			1
Potsdam				1																					1			1
Reading				1																					1			1
Richmond				2																					2			2
Rissen			1	3											1										5	1		2
Ruiru							2																		2	1		
Saintpaul				3													1				3	1	14		22		2	3
Sandiego				2																					2			2
Schwarzengrund			1	2			1																		4			4
Senftenberg		1																					1		2			2
Singapore																	1								1			1
Stanley		1		13	1		1					1	1				9				6		8		41		2	16
Tennessee																					1				1			
Thompson			1	4								1					1				1		1		9			2
Typhi phage type:																												
14 variant															1										1	1		1
38 variant				3			1																		4	1		
B1 variant																					2				2	2		1
B2 variant																	1								1	1		
D2			1																						1	1		
E1a		2	11		2		1					1					1						1		19	16		15
E1a ST1			1																						1	1		
E4			1																						1	1		1
E7 variant			1																						1			1
E9 variant			2																						2	2		2
M1																			1						1	1		
Untypable	1		2	2	2		1										1								9	9		6
Typhi:																												
ST1	1		3	1	1		1					1									1				9	8		5
ST2			1																						1	1		
Typhimurium phage type:																												
1					1								1								4		1		7			
2	1		1	2	4		3										4				1		2		18	1		4
3																	1								1			
8				1																					1			1
9				1			1					1			3		1				3		3		13			5
10	1			1			1														1				4			1
12				3																	1				4			1
23	1		1	2	2		11																		17			
26				2			1					1													4			
42			1	1																1	3		5		11			1
43				1																					1			1
56 variant	1	2	3	7	1		2						3		2		4			1	10		13		49	1		1
60															4										4			
60 variant																	1								1			
74				1																					1			
101			1	6			1								1		2				9	1	15		36			
108/120	5	1	6	18	5		4					2	4		9		16				4		8		83	2		
120			1														1				1				3			1
128				1																	1				2			
135	2		1	3			3						2		2		1				3		4		21	1		2
137																	1								1			1
150							1																		1			1
154				1													4						1		6			
156				1																					1			
160																							4		4			
193		1		2			1						1								2				7			2
195	1																								1			
206				1																					1			1
302				1																					1			
RDNC			4	6	2		5													1	4	1	3		26	2		4
Untypable				1			1																		2			2
Typhimurium:																												
ST19	1	6	2	3	1		4						6				1				6		6		36	1		6
ST34 Monophasic				1			2										1				2				6			4
ST36				2			1										1								4		1	3
ST213				1																					1			1
ST568		3		3			2					1	2		4		5				1		4	1	26	2		
ST2297	1		2	1	1		6					1											1		13	1		
Uganda															1										1			
Vejle				1																					1			1
Victoria																					2				2			1
Virchow			1	2			1										1				3				8			6
Wa																					1				1			1
Wagenia												1													1			
Wangata				1													1				1		1		4			1
Waycross				1																					1			1
Weltevreden		3	2	6			2								2				1		3		1		20	1		14
Subsp. (I) ser. 4,12 : - : 1,2																							1		1			
Subsp. (I) ser. 4,12 : b : -													1												1			
Subsp. (I) ser. 4,12 : i : -				1																	1				2			2
Subsp. (I) ser. 4,5,12 : - : - (non-motile)																							1		1			1
Subsp. (I) ser. 4,5,12 : b : -				1			2										3				2				8			3
Subsp. (I) ser. 4,5,12 : i : -		3	4	21	2		1					1			1		8				6		1		48	2	1	17
Subsp. (I) ser. 6,7 : - : 1,5				1													1								2			
Subsp. (I) ser. 6,7 : k : -	1		1	1																					3			
Subsp. (I) ser. 6,7 : r : -		2																							2			
Subsp. (I) ser. 6,8 : r : -																							1		1			1
Subsp. (I) ser. 3,10 : lv : -																				1					1			1
Subsp. (I) ser. 3,10 : r : -			1				1													1			1		4			3
Subsp. (I) ser. 13,23 : b : -																							1		1			1
Subsp. (I) ser. Rough : g,m : -															1										1	1		
Subsp. (I) ser. Rough : y : 1,5			1																						1			
Subsp. (II) ser. 17 : g,t : -				1																					1			1
Subsp. (IIIb) ser. 48 : i : z35																					1				1			
Total	**21**	**37**	**108**	**286**	**40**	**8**	**93**	**8**	**0**	**8**	**0**	**16**	**36**	**9**	**53**	**9**	**113**	**9**	**2**	**10**	**160**	**6**	**168**	**4**	**1153**	**92**	**29**	**349**

Salmonella Typhimurium	412
Other serotypes	741

Household clusters 8

First Human isolate confirmed in New Zealand
Salmonella Carrau
Salmonella Vejle
Salmonella Falkensee
Salmonella Leith
Salmonella Wa
Salmonella Wagenia

Mixed infection
Salmonella Bareilly and *Salmonella* Typhi phage type Untypable