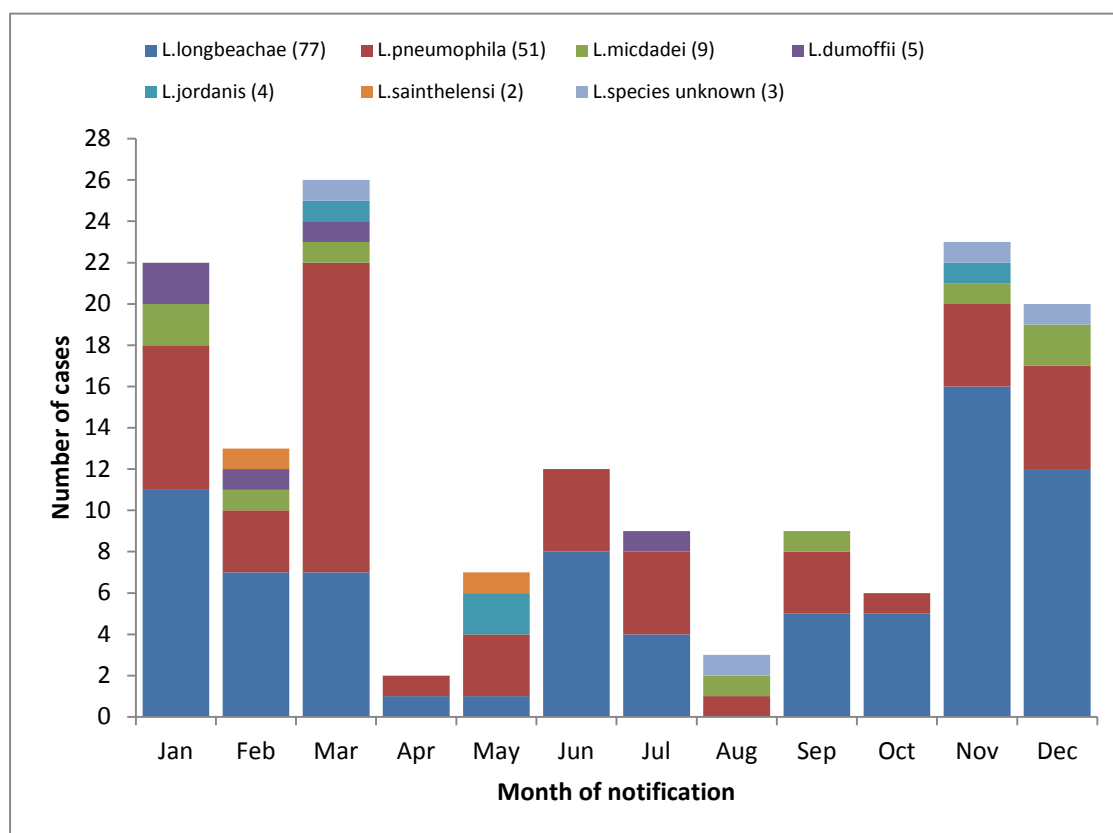


# New Zealand Public Health Surveillance Report Volume 11 Issue 2

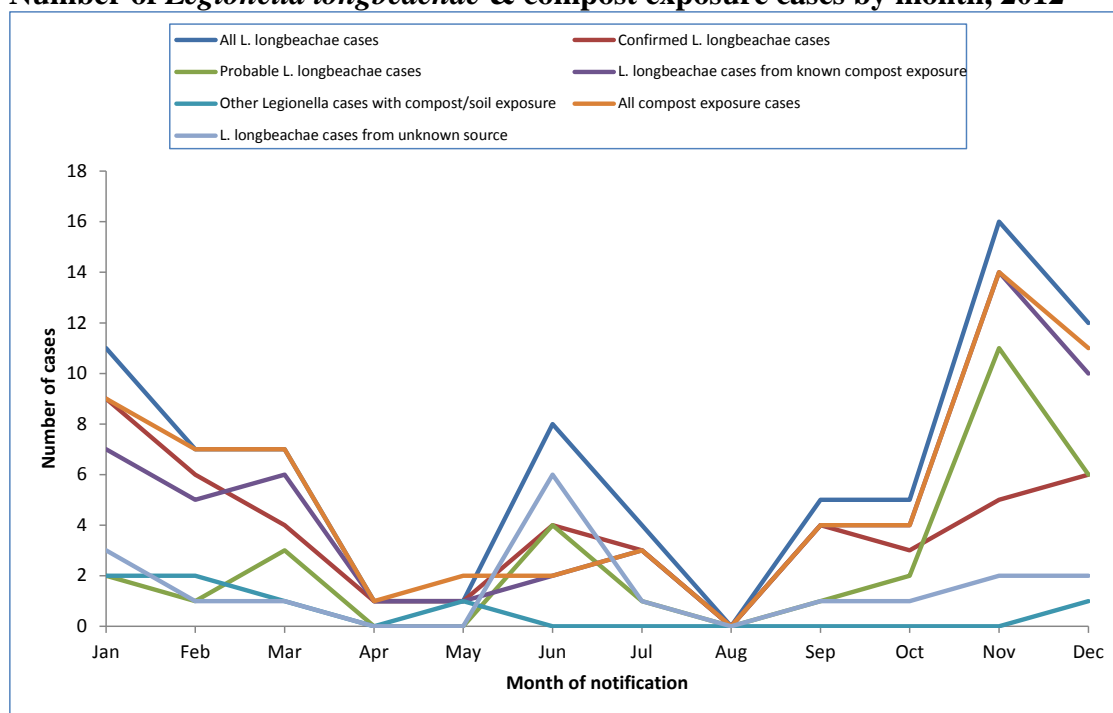
## Laboratory-based legionellosis surveillance, 2012

### Number of legionellosis cases by species and month<sup>1</sup>, 2012



<sup>1</sup> Annual counts for each *Legionella* species shown in brackets in table legend

### Number of *Legionella longbeachae* & compost exposure cases by month, 2012



## Laboratory-proven legionellosis cases by DHB, cases status, and exposure source, 2012

District health board	Case status	Exposure source	Ld	Lj	Lb/Ll†	Ll?	Ll1	Ll2	Lm	Lp?	Lp1	Lp2	Lp3	Lp4	Lp12	Lst	Lsp ‡	Total by exposure source	Total by case status	Total by DHB	Cases per 100,000 population	
Northland	Confirmed	Compost														1		1	1	5	3.2	
	Probable	Compost					1											1	4			
		Unknown		1				1				1							3			
Waitemata	Confirmed	Compost						1											1	16	19	3.4
		Unknown					1	2				10							15			
	Probable	Compost						2											2	3		
		Unknown														1			1			
Auckland	Confirmed	Compost						1								1			2	18	20	4.3
		Spa pool							1										1			
		Travel								1									2			
		Unknown		1					3	1		7				1			13			
	Probable	Unknown						1			1							2	2			
Counties Manukau	Confirmed	Compost					1												1	10	13	2.6
		Travel									1								1			
	Probable	Unknown					1	1				6	1					8	3			
Waikato	Confirmed	Compost					3	1	1										5	6	8	2.2
		Unknown													1				1			
Bay of Plenty	Probable	Compost					2												2	2	1	*
		Unknown																	1	1		
Lakes	Confirmed	Compost					1												1	2	2	*
		Unknown					1												1			
Tairāwhiti	No cases																	0	0	0	-	
Taranaki	No cases																	0	0	0	-	
Whanganui	Probable	Travel							1									1	1	1	*	
Mid Central	Confirmed	Unknown		1					1									2	2	4	*	
	Probable	Compost					1	1										2	2			
Hawkes Bay	Confirmed	Unknown									1							1	1	1	*	
Wairarapa	No cases																	0	0	0	-	
Hutt	Confirmed	Unknown									1							1	1	2	*	
	Probable	Travel														1		1	1			
Capital & Coast	Confirmed	Compost						1											1	5	6	2.0
		Spa pool											1						1			
	Travel										3							3	1			
Nelson Marlborough	Confirmed	Compost					3	1											4	5	5	3.6
		Travel									1								1			
West Coast	No cases																	0	0	0	-	
Canterbury	Confirmed	Compost					2	13	1	1									17	31	53	10.6
		Non-potable water					1	1											2			
		Travel										2							2			
		Unknown		1					1			5				1			10			
	Probable	Compost						17												17		
Unknown							3				1							5	1			
South Canterbury	Confirmed	Unknown						1											1	1	2	*
	Probable	Compost					1											1	1			
Southern	Confirmed	Compost					3				1								5	9	10	3.2
		Spa pool										1							1			
		Travel																	0			
	Unknown						1											3				
Probable	Unknown									1								1	1			
Total <i>Legionella</i> species			5	4	1	44	20	13	9	4	39	1	1	2	4	2	3	152	152	152	3.4	

† Serological cross-reaction in IFA test could not distinguish causative agent

‡ Diagnosed by NAAT methods alone

\* Rates have not been calculated where there are fewer than 5 laboratory-proven cases due to the creation of unstable rates

Note: A confirmed case is defined as having a clinically compatible illness and either laboratory test positive for *Legionella* culture or a four-fold rise in antibody titre by IFA or a sustained elevated titre >256 or a positive *Legionella* urinary antigen test. A probable case is defined as having a clinically compatible illness and either a positive *Legionella* NAAT test or a single antibody titre >256 by IFA.

### Table Key

Lb/Ll *L. bozemanai* or *L. longbeachae*

Lj *L. jordanis*

Ll1 *L. longbeachae* serogroup 1

Lm *L. micdadei*

Lp2 *L. pneumophila* serogroup 2

Lp4 *L. pneumophila* serogroup 4

Lst *L. saintelensii*

Ld *L. dumoffii*

Ll? *L. longbeachae* serogroup unknown

Ll2 *L. longbeachae* serogroup 2

Lp1 *L. pneumophila* serogroup 1

Lp3 *L. pneumophila* serogroup 3

Lp12 *L. pneumophila* serogroup 12

Lsp *Legionella* species unknown