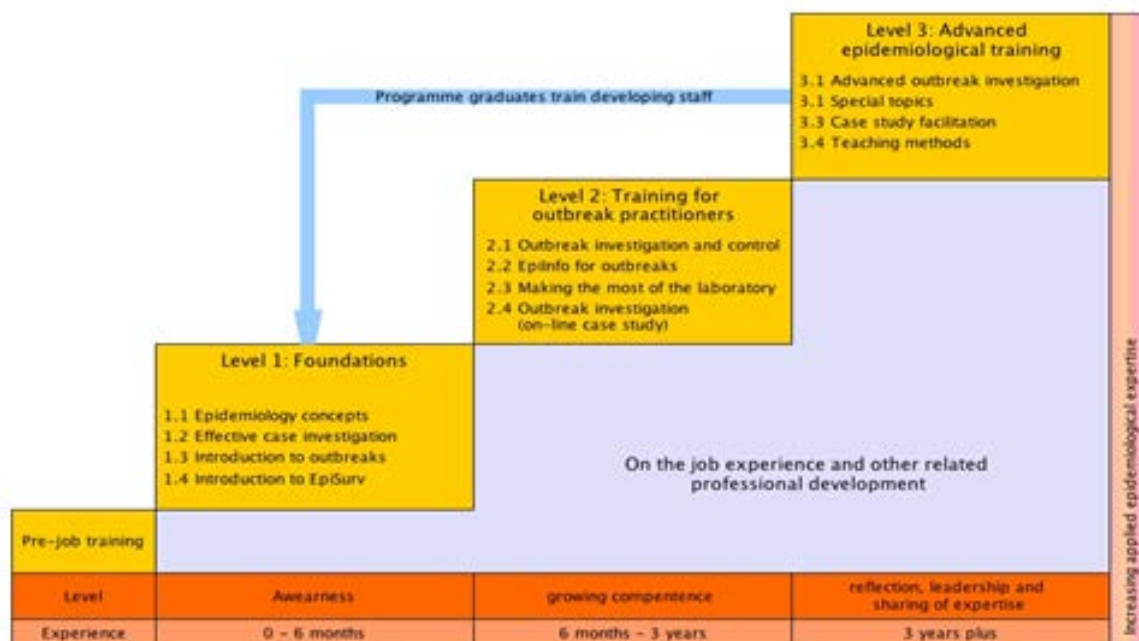


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Supplementary material

The ESR Epidemiological Skills Development Programme – five years on

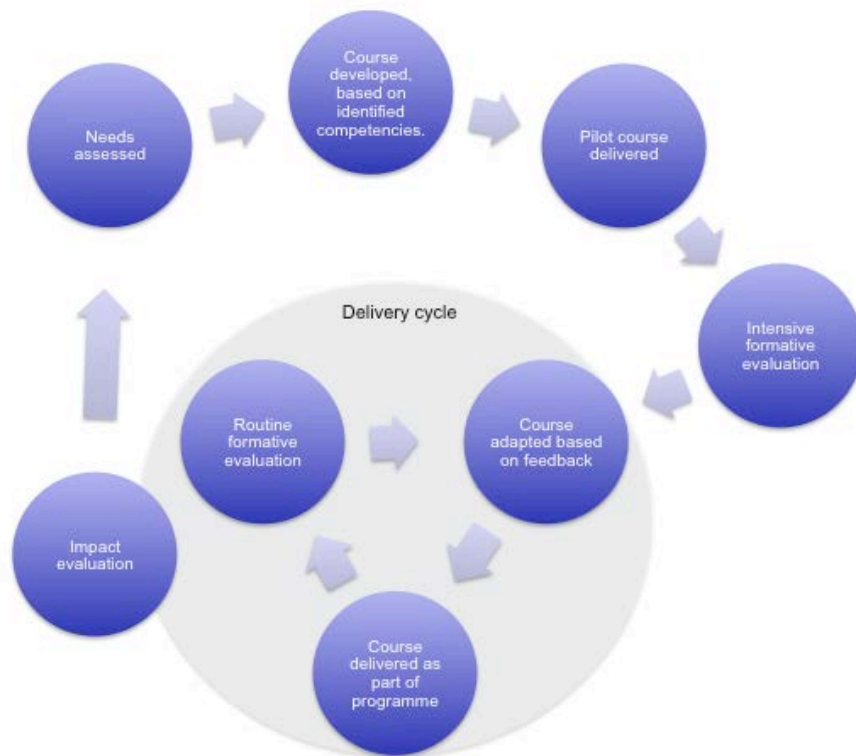
Overview of the ESR epidemiological skills development programme



Course timetable for the ESR Epidemiological Skills Development Programme, 2014–15

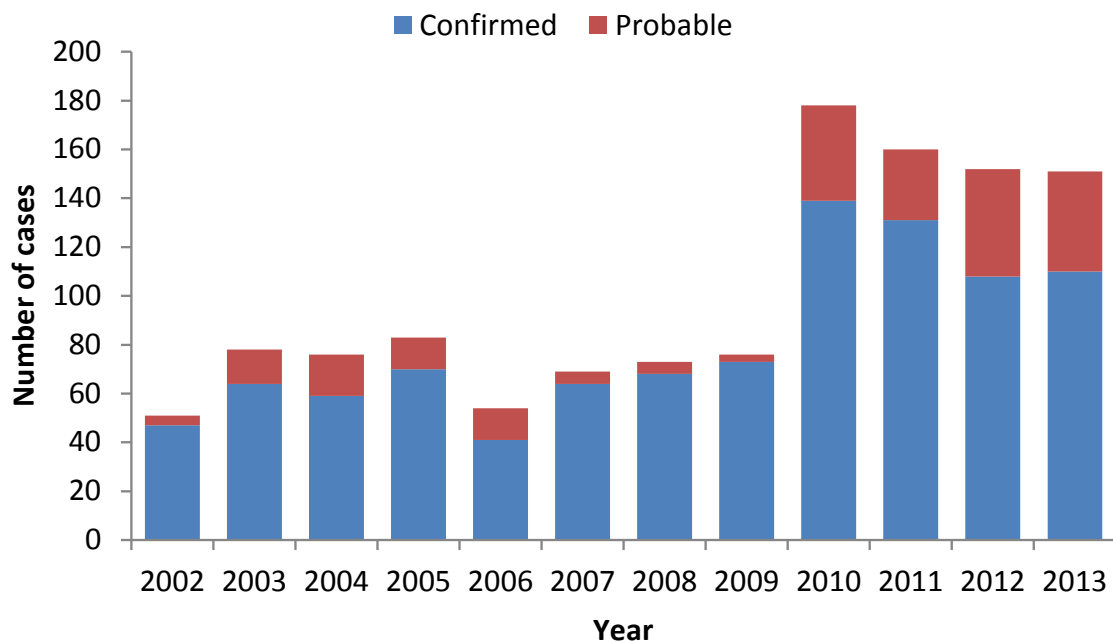
Course title	Duration	Location	Delivery date
Module 1.2 Effective case investigation	2 days	Toi Te Ora Public Health, Rotorua	5–6 November 2014
Module 1.4 Introduction to EpiSurv	2 days	ESR Kenepuru, Wellington	10–11 November 2014
Module 1.3 Outbreak investigations refresher	½ day	Regional Public Health, Wellington TBC	19 Nov 2014
Module 1.3 Outbreak investigations refresher	½ day	Public Health South, Dunedin	24 March 2015
Module 2.1 Outbreak Investigation and Control	5 days	ESR Wallaceville, Wellington	20–24 April 2015
Module 2.2 EpiData and Epi Info™	2 days	ESR Kenepuru, Wellington	23–24 June 2015

The ESR Epidemiological Skills Development Programmes development and delivery cycle



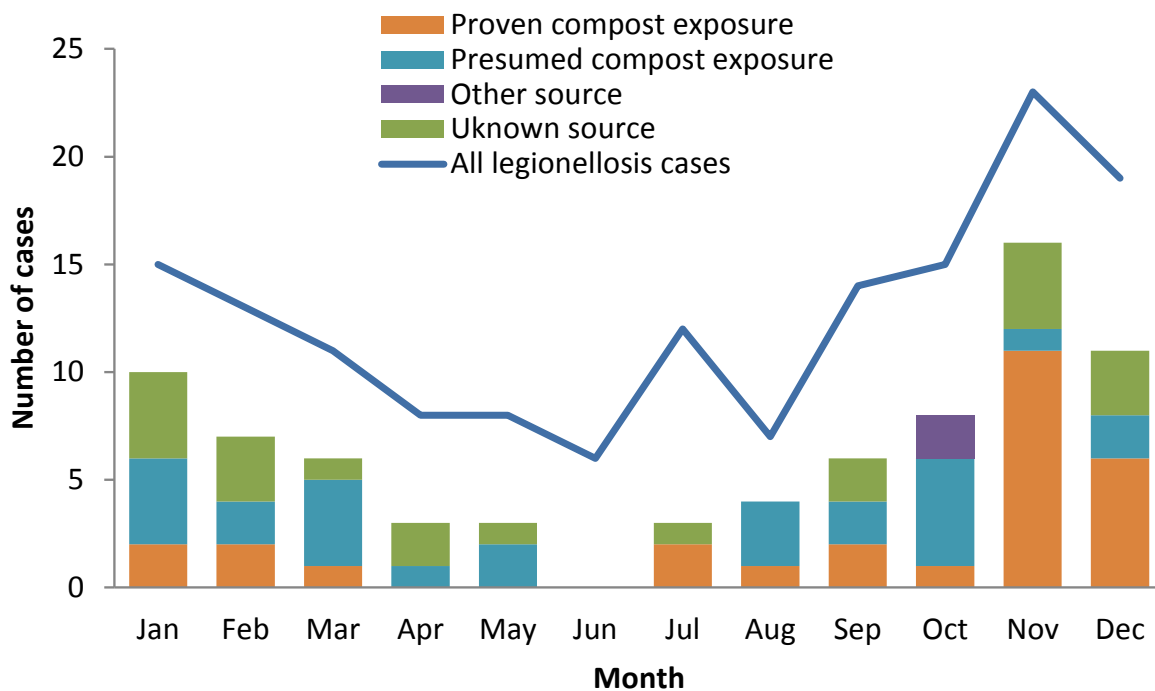
Laboratory-based legionellosis surveillance for 2013 – a summary

Number of laboratory-proven legionellosis cases, 2002–2013

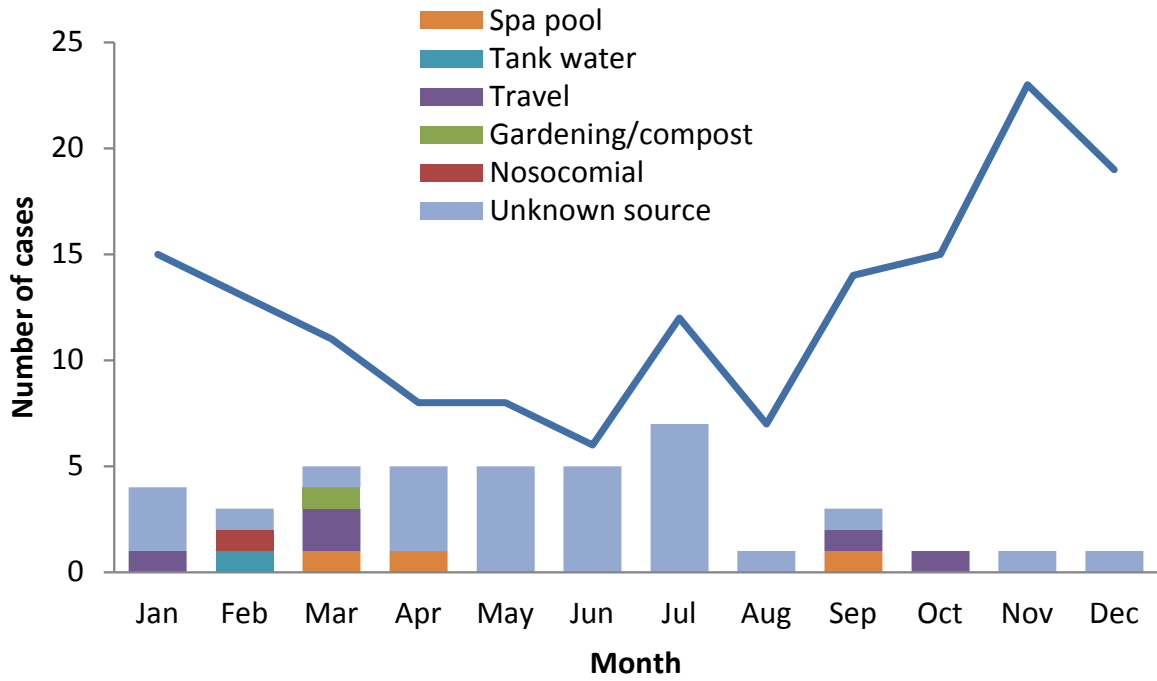


Note: A confirmed case is defined as having a clinically compatible illness *and* a positive laboratory test for either *Legionella* culture *or* a four-fold rise in antibody titre by IFA test *or* a sustained elevated titre >256 *or* a positive *Legionella* urinary antigen test. A probable case is defined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

Number of *Legionella longbeachae* cases by exposure source, 2013



Number of *Legionella pneumophila* cases by exposure source, 2013



Number of legionellosis cases by DHB, case status and exposure source, 2013

District health board	Case status	Exposure source	<i>L. bozemanae</i> serogroup 1	<i>L. dumoffii</i>	<i>L. gormanii</i>	<i>L. jordanis</i>	<i>L. longbeachae</i> serogroup unknown	<i>L. longbeachae</i> serogroup 1	<i>L. longbeachae</i> serogroup 2	<i>L. micdadei</i>	<i>L. pneumophila</i> unknown	<i>L. pneumophila</i> serogroup 1	<i>L. pneumophila</i> serogroup 3	<i>L. pneumophila</i> serogroup 4	<i>L. pneumophila</i> serogroup 5	<i>L. pneumophila</i> serogroup 10	<i>L. pneumophila</i> serogroup 12	<i>L. pneumophila</i> serogroup 13	<i>L. saintelensis</i>	<i>Legionella</i> species unknown*	Total by exposure source	Total by case status	Total by DHB	Cases per 100,000 population	
Northland	Confirmed	Compost						1													1	2	4	*	
		Unknown					1																		1
	Probable	Compost					1															1			2
		Unknown					1															1			
Waitemata	Confirmed	Compost					3	1	4											1		9	25	26	4.6
		Gardening		1																		1			
		Rain water tank	1																			1			
		Travel					1					1										2			
		Unknown	1		1		1	1		2		4						1			1	12			
	Probable	Unknown																			1	1			
Central Auckland	Confirmed	Compost					2														2	7	11	2.4	
		Rain water tank										1													1
		Unknown										4									4				
	Probable	Compost					1															1			4
		Travel												1		1						2			
Counties Manukau	Confirmed	Nosocomial										1									1	18	19	3.7	
		Unknown					3	2	1			10			1						17				
	Probable	Unknown					1														1				
Waikato	Confirmed	Compost							2	1											3	5	5	1.3	
		Unknown						1	1												2				
Bay of Plenty	Confirmed	Compost					1	1	1												3	4	5	2.4	
		Unknown					1														1				
	Probable	Compost																		1	1				
Lakes	No cases																				0	0	0	-	
Tairāwhiti	No cases																				0	0	0	-	

District health board	Case status	Exposure source	Exposure source																Total by exposure source	Total by case status	Total by DHB	Cases per 100,000 population		
			<i>L. bozeman</i>	<i>L. dumoffii</i>	<i>L. gormanii</i>	<i>L. jordanis</i>	<i>L. longbeachae</i> serogroup unknown	<i>L. longbeachae</i> serogroup 1	<i>L. longbeachae</i> serogroup 2	<i>L. micdadei</i>	<i>L. pneumophila</i> unknown	<i>L. pneumophila</i> serogroup 1	<i>L. pneumophila</i> serogroup 3	<i>L. pneumophila</i> serogroup 4	<i>L. pneumophila</i> serogroup 5	<i>L. pneumophila</i> serogroup 10	<i>L. pneumophila</i> serogroup 12	<i>L. pneumophila</i> serogroup 13					<i>L. sainthelehsi</i>	<i>Legionella</i> species unknown [†]
Taranaki	Confirmed	Compost					1													1	1	2	*	
	Probable	Compost								1										1	1			
Whanganui	No cases																			0	0	0	-	
Mid Central	Confirmed	Compost					1													1	2	3	*	
		Unknown								1										1	1			
Hawkes Bay	Confirmed	Spa pool								1										1	2	2	*	
		Unknown													1					1	1			
Wairarapa	No cases																			0	0	0	-	
Hutt Valley	Confirmed	Compost					1													1	2	2	*	
		Travel																	1	1	1			
Capital & Coast	Confirmed	Unknown																		1	1	1	*	
Nelson Marlborough	Probable	Compost					1													1	1	1	*	
West Coast	Confirmed	Compost					1													1	2	3	*	
		Spa pool									1									1	1			
West Coast	Probable	Compost					1													1	1			
		Unknown	1				1	4	4		5	1								1	16	55	10.8	
Canterbury	Confirmed	Compost					4	5												10	29			
		Spa pool									1									1	1			
		Travel						1			1									2	2			
Canterbury	Probable	Compost					16													3	19	26		
		Gardening									1									1	1			
Canterbury	Unknown	Unknown					1		1											4	6			
		Compost	1																	1	1	3	*	
South Canterbury	Confirmed	Unknown		1																1	1			
		Compost																		1	1			
Southern	Confirmed	Compost					3	2												5	8	9	2.9	
		Unknown			1	1				1										3	1			
	Probable	Unknown																		1	1			
Total Legionella species			4	3	2	1	48	20	9	9	1	32	1	1	1	2	3	1	2	11	151	151	151	3.4

[†] Diagnosed by NAAT methods alone

* Rates have not been calculated where fewer than five laboratory-proven cases are reported in a category

Note: A confirmed case is defined as having a clinically compatible illness *and* either a 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.