



Local Summary of Legionnaires' disease in Residents of England and Wales, 2014

Surrey, Sussex and Kent

This report provides a short summary of Legionella activity in residents of Surrey, Sussex and Kent, with particular emphasis on cases with onset of symptoms during 2014. Data for years 2012 and 2013 and in some tables and graphs, for years 2005 to 2013, are presented for comparative purposes.

For wider analysis of Legionella activity across England and Wales along with case definitions and a detailed methodology, please refer to the annual report, Legionnaires' disease in England and Wales; 2014, available on the Public Health England website at; <https://www.gov.uk/government/statistics/legionnaires-disease-in-england-and-wales-2014>

Figure 1: Number of cases of legionellosis (confirmed and presumptive) in residents of Surrey, Sussex and Kent by year of onset of symptoms; 2005 – 2014

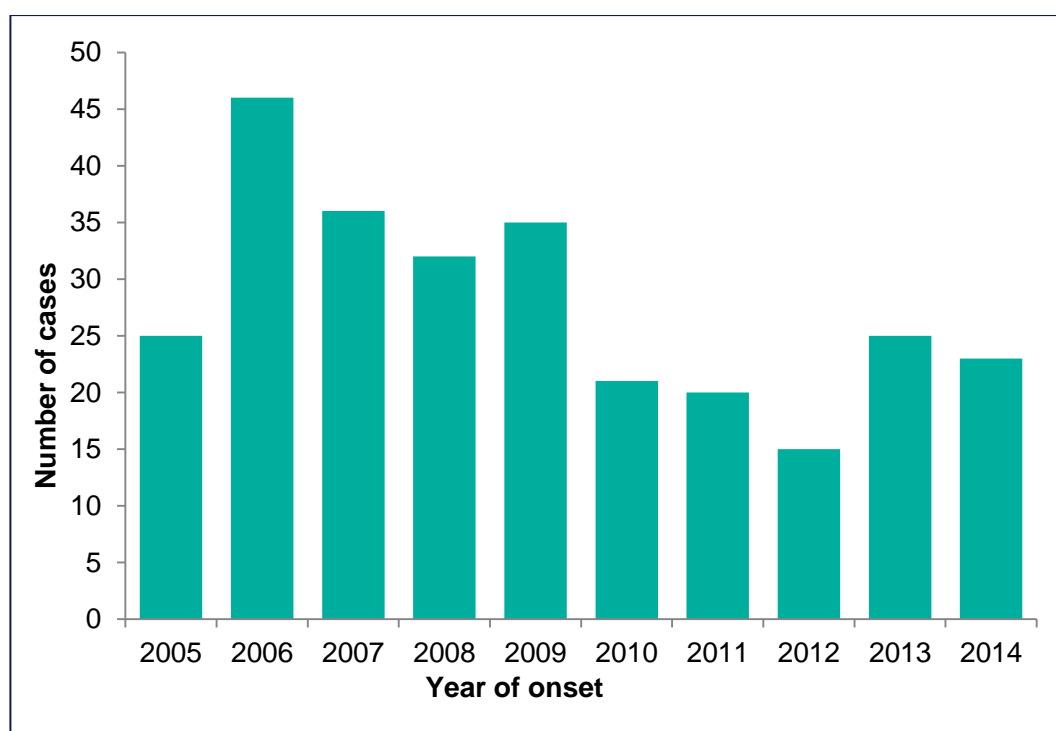


Table 1: Number of cases of legionellosis (confirmed and presumptive) in residents of Surrey, Sussex and Kent by disease type and year of onset; 2012 – 2014

	Number of confirmed (presumptive*) cases			
	2012	2013	2014	Total (2012 - 2014)
Legionnaires' disease	15	24	23	62
Non-pneumonic Legionellosis	-	1	-	1
Pontiac fever	-	-	-	0
Total	15	25	23	63

* presumptive cases with only a single high titre or PCR result

Table 2: Number and population rate per million of confirmed cases of Legionnaires' disease in residents of Surrey, Sussex and Kent by year of onset; 2012 – 2014

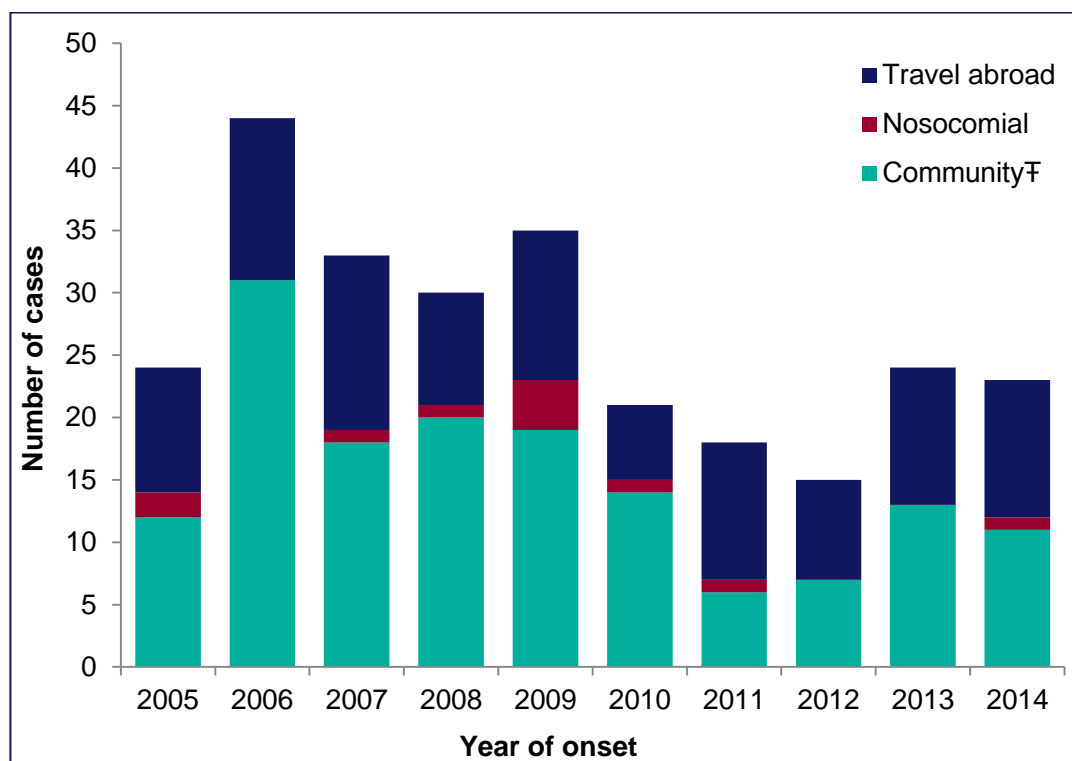
Region	2012		2013		2014		Total (2012 - 2014)	
	n	Rate	n	Rate	n	Rate	n	Rate
Surrey, Sussex and Kent	15	3.30	24	5.27	23	5.05	62	4.54
National	306	5.40	285	5.03	331	5.84	922	5.42

Table 3: Number and proportion of confirmed Legionnaires' disease cases in residents of Surrey, Sussex and Kent by likely exposure category; 2012 – 2014

Category	2012	2013	2014	Total	National Total (2012 - 2014)
Community[†]	7 (46.7)	13 (54.2)	11 (47.8)	31 (50.0)	546 (59.2)
Nosocomial	-	-	1 (4.3)	1 (1.6)	22 (2.4)
Travel abroad	8 (53.3)	11 (45.8)	11 (47.8)	30 (48.4)	354 (38.4)
Total	15	24	23	62	922

[†] includes travel UK cases

Figure 2: Number of confirmed Legionnaires' disease cases[°] in residents of Surrey, Sussex and Kent by year of onset and category; 2005 – 2014



‡ includes travel UK cases

[°] confirmed LD case: diagnosis by culture, urinary antigen or serology with a four-fold rise (FFR) and evidence of pneumonia

Table 4: Number and proportion of confirmed Legionnaires' disease cases in residents of Surrey, Sussex and Kent by age group and gender, with age specific case-fatality rates; 2012 – 2014

Age Groups	Number (%) of cases			No. Deaths	Age Specific CFR (95%CI)
	Female	Male	Total (2012-2014)		
Under 50 years	2 (20.0)	8 (80.0)	10 (16.1)	1	10.0 (0.3 - 44.5)
50-59 years	8 (57.1)	6 (42.9)	14 (22.6)	-	0.0 (0.0 - 23.2 [‡])
60-69 years	5 (20.8)	19 (79.2)	24 (38.7)	1	4.2 (0.1 - 21.1)
70 years & over	3 (21.4)	11 (78.6)	14 (22.6)	4	28.6 (8.4 - 58.1)
Total	18 (29.0)	44 (71.0)	62 (100.0)	6	9.7 (3.6 - 19.9)

[‡] one-sided, 97.5% confidence interval

Figure 3: Number of confirmed Legionnaires' disease cases in residents of Surrey, Sussex and Kent by month and year of onset; 2012 – 2014

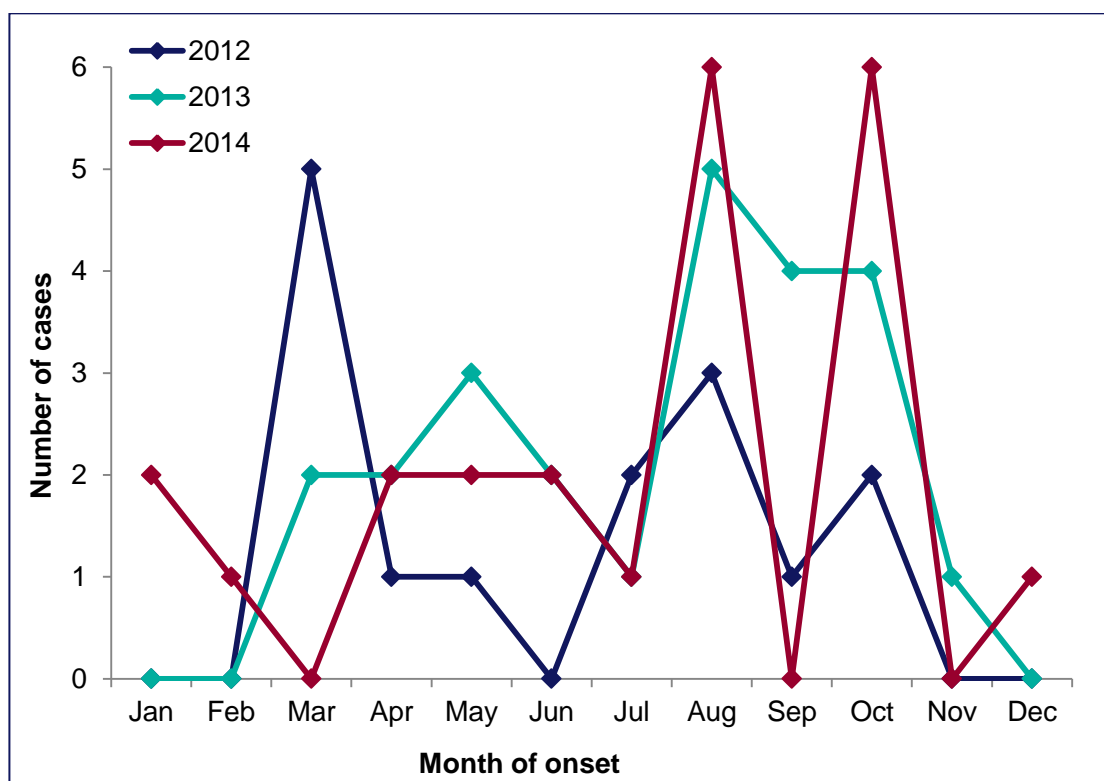


Table 5: Legionnaires' disease cases in residents of Surrey, Sussex and Kent by diagnostic test and year of onset; 2012 - 2014~

	2012	2013	2014	Total (2012 - 2014)	National Total (2012 - 2014)
Case Numbers[†]	18	15	24	62	922
Culture	2 (13.3)	6 (25.0)	9 (39.1)	17 (27.4)	211 (22.9)
Urine	15 (100.0)	23 (95.8)	22 (96.8)	60 (96.8)	905 (98.2)
Serology (SHT)	-	-	-	-	-
Serology (FFR)	-	-	-	-	-
PCR	5 (33.3)	8 (33.3)	10 (43.5)	23 (37.1)	246 (26.7)

~ this table shows the investigations carried out on each confirmed case

[†] please note that some cases have more than one diagnostic test carried out, therefore the sum of diagnostic tests does not equal the annual 'case number'.

Table 6: Number of confirmed Legionnaires' disease cases in residents of Surrey, Sussex and Kent by Local Authority (Upper-Tier) and year of onset; 2012 – 2014

Local Authority	2012	2013	2014	Total (2012 - 2014)
Arun	1	-	-	1
Ashford	1	1	-	2
Brighton and Hove	-	-	1	1
Canterbury	1	2	-	3
Chichester	1	1	2	4
Crawley	1	1	-	2
Dartford	1	-	1	2
Dover	-	1	2	3
Eastbourne	-	-	1	1
Gravesham	1	-	-	1
Guildford	1	-	1	2
Horsham	-	4	2	6
Maidstone	-	-	1	1
Medway Towns	2	-	1	3
Mid Sussex	-	4	-	4
Reigate and Banstead	1	-	2	3
Rother	-	1	-	1
Runnymede	-	3	-	3
S East	-	-	1	1
Sevenoaks	-	-	2	2
Spelthorne	-	1	1	2
Surrey Heath	1	-	-	1
Swale	-	1	1	2
Thanet	1	1	-	2
Tonbridge and Malling	1	-	1	2
Tunbridge Wells	1	-	-	1
Waverley	-	1	1	2
Wealden	-	-	1	1
Worthing	-	2	1	3
Total	15	24	23	62

Table 7: Number and type of outbreaks/clusters with associated number of Surrey, Sussex and Kent cases of Legionnaires' disease; 2012 – 2014

	2012		2013		2014		Total (2012 - 2014)	
	OB	Cases	OB	Cases	OB	Cases	OB	Cases
Community	-	-	-	-	-	-	0	0
Nosocomial	-	-	-	-	-	-	0	0
Travel UK	1	2	-	-	-	-	1	2
Total	1	2	0	0	0	0	1	2

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