



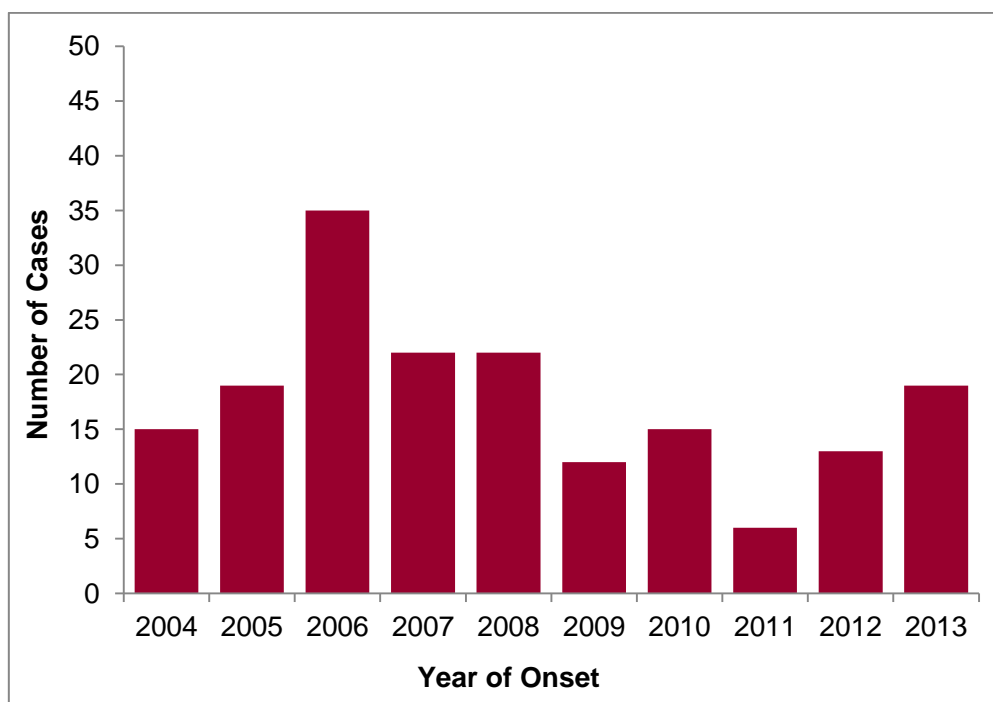
## Local summary of Legionnaires' disease in residents of England and Wales, 2013

### South Midlands and Hertfordshire

This report provides a short summary of Legionella activity in residents of South Midlands and Hertfordshire, with particular emphasis on cases with onset of symptoms during 2013. Data for years 2011 and 2012 and in some tables and graphs, for years 2004 to 2012, are presented for comparative purposes.

For a wider analysis of Legionella activity across England and Wales, please refer to the annual report, Legionnaires' disease in England and Wales; 2013, available on the Public Health England website at; <https://www.gov.uk/government/statistics/legionnaires-disease-in-england-and-wales-2013>

**Figure 1:** Cases of legionellosis (confirmed and presumptive) in residents of South Midlands and Hertfordshire by year of onset of symptoms; 2004 – 2013



**Table 1:** Cases of legionellosis (confirmed and presumptive) in residents of South Midlands and Hertfordshire by disease type and year of onset; 2011 – 2013

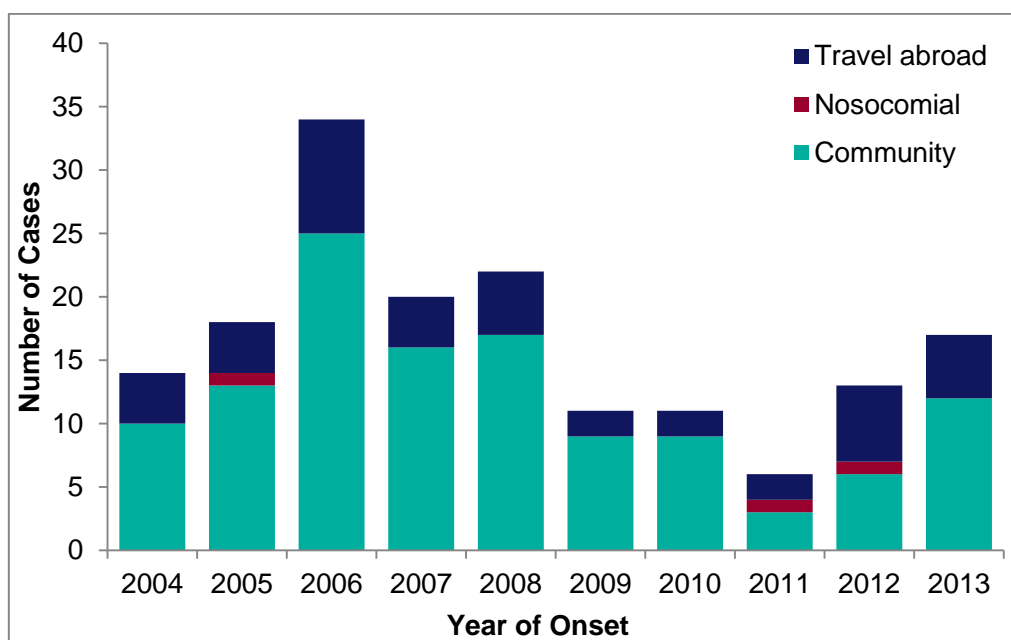
	Number of confirmed (presumptive*) cases			
	2011	2012	2013	Total (2011 - 2013)
<b>Legionnaires' disease</b>	6	13	18	<b>37</b>
<b>Non-pneumonic Legionellosis</b>	-	-	1	<b>1</b>
<b>Pontiac fever</b>	-	-	-	<b>0</b>
<b>Total</b>	<b>6</b>	<b>13</b>	<b>19</b>	<b>38</b>

\* Presumptive cases with only a single high titre or PCR result

**Table 2:** Number & population rate per million of confirmed cases of Legionnaires' disease in residents of South Midlands and Hertfordshire by year of onset; 2011 – 2013

Region	2011		2012		2013		Total (2011 - 2013)	
	n	Rate	n	Rate	n	Rate	n	Rate
<b>South Midlands and Hertfordshire</b>	6	2.96	13	6.42	17	8.39	<b>36</b>	<b>5.93</b>
<b>National</b>	<b>235</b>	<b>4.18</b>	<b>306</b>	<b>5.45</b>	<b>284</b>	<b>5.06</b>	<b>825</b>	<b>4.90</b>

**Figure 2:** Number of confirmed Legionnaires' disease cases<sup>o</sup> in residents of South Midlands and Hertfordshire by year of onset and category; 2004 – 2013



<sup>o</sup> Confirmed LD case: diagnosis by culture, urinary antigen or FFR and evidence of pneumonia

**Table 3:** Number and proportion of confirmed Legionnaires' disease cases in residents of South Midlands and Hertfordshire by likely exposure category; 2011 – 2013

Category	2011	2012	2013	Total	National Total (2011 - 2013)
Community <sup>‡</sup>	3 (50.0)	6 (46.2)	12 (70.6)	21 (58.3)	466 (56.5)
Nosocomial	1 (16.7)	1 (7.7)	-	2 (5.6)	28 (3.4)
Travel abroad	2 (33.3)	6 (46.2)	5 (29.4)	13 (36.1)	331 (40.1)
<b>Total</b>	<b>6</b>	<b>13</b>	<b>17</b>	<b>36</b>	<b>825</b>

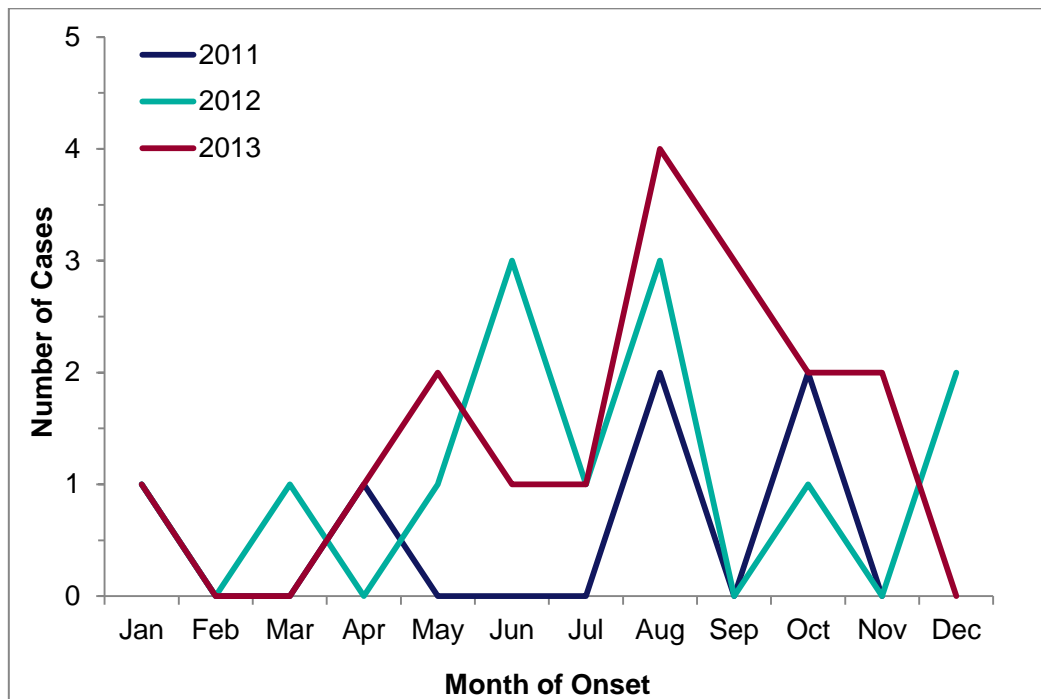
<sup>‡</sup> includes travel UK cases

**Table 4:** Number and proportion of confirmed Legionnaires' disease cases in residents of South Midlands and Hertfordshire by age group and gender, with age specific case-fatality rates; 2011 – 2013

Age Groups	Number (%) of cases			No. Deaths	Age Specific CFR (95%CI)
	Female	Male	Total (2011-2013)		
Under 50 years	2 (33.3)	4 (66.7)	6 (16.7)	0	0.0 (0.0 - 45.9 <sup>‡</sup> )
50-59 years	4 (36.4)	7 (63.6)	11 (30.6)	0	0.0 (0.0 - 28.5 <sup>‡</sup> )
60-69 years	6 (42.9)	8 (57.1)	14 (38.9)	3	21.4 (4.7 - 50.38)
70 years & over	-	5 (100.0)	5 (13.9)	1	20.0 (0.5 - 71.6)
<b>Total</b>	<b>12 (33.3)</b>	<b>24 (66.7)</b>	<b>36 (100.0)</b>	<b>4</b>	<b>11.1 (3.1 - 26.1)</b>

<sup>‡</sup> one sided confidence interval

**Figure 3:** Number of confirmed Legionnaires' disease cases in residents of South Midlands and Hertfordshire by month and year of onset; 2011 – 2013



**Table 5:** Legionnaires' disease cases in residents of South Midlands and Hertfordshire by diagnostic test and year of onset; 2011 - 2013~

	2011	2012	2013	Total (2011 - 2013)	National Total (2011 - 2013)
<b>Case Numbers<sup>†</sup></b>	<b>6</b>	<b>13</b>	<b>17</b>	<b>36</b>	<b>825</b>
<b>Culture</b>	3 (50.0)	1 (7.7)	6 (35.3)	<b>10 (27.8)</b>	<b>190 (23.0)</b>
<b>Urine</b>	6 (100.0)	13 (100.0)	16 (94.1)	<b>35 (97.2)</b>	<b>810 (98.2)</b>
<b>Serology (SHT)</b>	2 (33.3)	-	-	<b>2 (5.6)</b>	<b>5 (0.6)</b>
<b>Serology (FFR)</b>	-	-	-	<b>0 (0.0)</b>	<b>1 (0.1)</b>
<b>PCR</b>	4 (66.7)	-	8 (47.1)	<b>12 (33.3)</b>	<b>198 (24.0)</b>

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

<sup>†</sup> 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 South Midlands and Hertfordshire by Local Authority (Upper-Tier) and year of onset; 2011 – 2013

<b>Local Authority</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>Total (2011-2013)</b>
<b>Bedford UA</b>	-	2	-	<b>2</b>
<b>Broxbourne</b>	1	-	-	<b>1</b>
<b>Central Bedfordshire UA</b>	-	-	1	<b>1</b>
<b>Corby</b>	-	1	1	<b>2</b>
<b>Dacorum</b>	-	-	3	<b>3</b>
<b>Daventry</b>	-	-	1	<b>1</b>
<b>East Hertfordshire</b>	1	-	1	<b>2</b>
<b>East Northamptonshire</b>	1	1	2	<b>4</b>
<b>Hertsmere</b>	-	2	-	<b>2</b>
<b>Luton</b>	1	-	-	<b>1</b>
<b>Milton Keynes</b>	-	1	3	<b>4</b>
<b>North Hertfordshire</b>	1	-	-	<b>1</b>
<b>Northampton</b>	-	2	-	<b>2</b>
<b>South Midlands and Hertfordshire</b>	-	-	1	<b>1</b>
<b>St Albans</b>	-	2	1	<b>3</b>
<b>Three Rivers</b>	-	1	1	<b>2</b>
<b>Wellingborough</b>	1	-	1	<b>2</b>
<b>Welwyn Hatfield</b>	-	1	1	<b>2</b>
<b>Total</b>	<b>6</b>	<b>13</b>	<b>17</b>	<b>36</b>

**Table 7:** Number and type of outbreaks/clusters with associated number of South Midlands and Hertfordshire cases of Legionnaires' disease; 2011 – 2013

<b>Outbreak/Clusters</b>
No outbreaks or clusters were identified with association to South Midlands and Hertfordshire.

First published: October 2014

© Crown copyright 2014

Re-use of Crown copyright material (excluding logos) is allowed under the terms of the Open Government Licence, visit [www.nationalarchives.gov.uk/doc/open-government-licence/version/2/](http://www.nationalarchives.gov.uk/doc/open-government-licence/version/2/) for terms and conditions.