



Local summary of Legionnaires' disease in residents of England and Wales, 2010 – 2012

Greater Manchester

This report provides a short summary of Legionella activity in residents of Greater Manchester, with particular emphasis on cases with onset of symptoms during 2012. Data for years 2010 and 2011 and in some tables and graphs, for years 2003 to 2011, are presented for comparative purposes.

For a wider analysis of Legionella activity across England and Wales, please refer to the Legionnaires' disease annual report – 2012, available on the Public Health England website.

Figure 1: Number of cases of legionellosis (confirmed and presumptive) in residents of Greater Manchester by year of onset of symptoms; 2003 – 2012

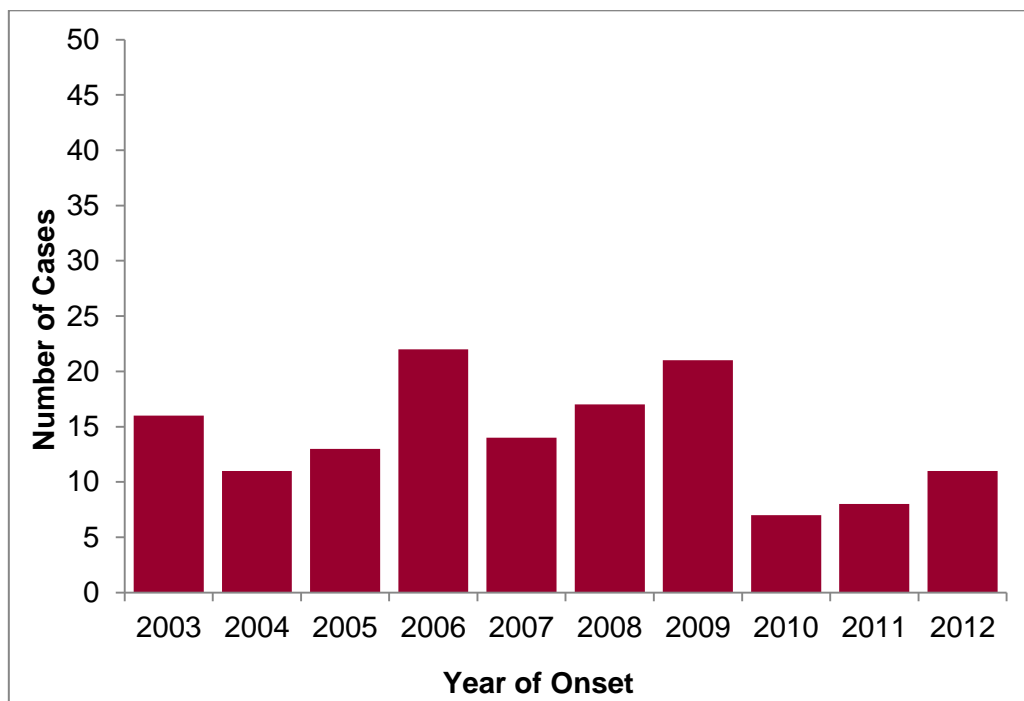


Table 1: Number of cases of legionellosis (confirmed and presumptive) in residents of Greater Manchester by disease type and year of onset; 2010 – 2012

	Number of confirmed (presumptive*) cases			
	2010	2011	2012	Total (2010-2012)
Legionnaires' disease	7	8	11	26
Non-pneumonic Legionellosis	-	-	-	0
Pontiac fever	-	-	-	0
Total	7	8	11	26

* 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 Greater Manchester by year of onset; 2010 – 2012

Region	2010		2011		2012		Total (2010-2012)	
	n	Rate	n	Rate	n	Rate	n	Rate
Greater Manchester	7	2.61	8	2.98	11	4.10	26	3.23
National	357	6.36	235	4.18	306	5.45	898	5.33

Figure 2: Number of confirmed Legionnaires' disease cases^o in residents of Greater Manchester by year of onset and category; 2003-2012



^o 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 Greater Manchester by likely exposure category; 2010 – 2012

Category	2010	2011	2012	Total (2010-2012)	National Total (2010-2012)
Community [†]	3 (42.9)	2 (25.0)	1 (9.1)	6 (23.1)	497 (55.4)
Nosocomial	-	-	-	0	44 (4.9)
Travel abroad	4 (57.1)	6 (75.0)	10 (90.9)	20 (76.9)	357 (39.8)
Total	7	8	11	26	898

[†] includes travel UK cases

Table 4: Number and proportion of confirmed Legionnaires' disease cases in residents of Greater Manchester by age group and gender, with age specific case-fatality rates; 2010 – 2012

Age Groups	Number (%) of cases			No. Deaths	Age Specific CFR (95% CI)
	Female	Male	Total (2010-2012)		
Under 50 years	3 (37.5)	5 (62.5)	8 (30.8)	0	0 (0.0 - 36.9 [‡])
50-59 years	-	2 (100.0)	2 (7.7)	0	0 (0.0 - 84.2 [‡])
60-69 years	2 (25.0)	6 (75.0)	8 (30.8)	0	0 (0.0 - 36.9 [‡])
70 years & over	3 (37.5)	5 (62.5)	8 (30.8)	0	0 (0.0 - 36.9 [‡])
Total	8 (30.8)	18 (69.2)	26 (100.0)	0	0 (0.0 - 13.2[‡])

[‡] one sided confidence interval

Figure 3: Number of confirmed Legionnaires' disease cases in residents of Greater Manchester by month and year of onset; 2010 – 2012

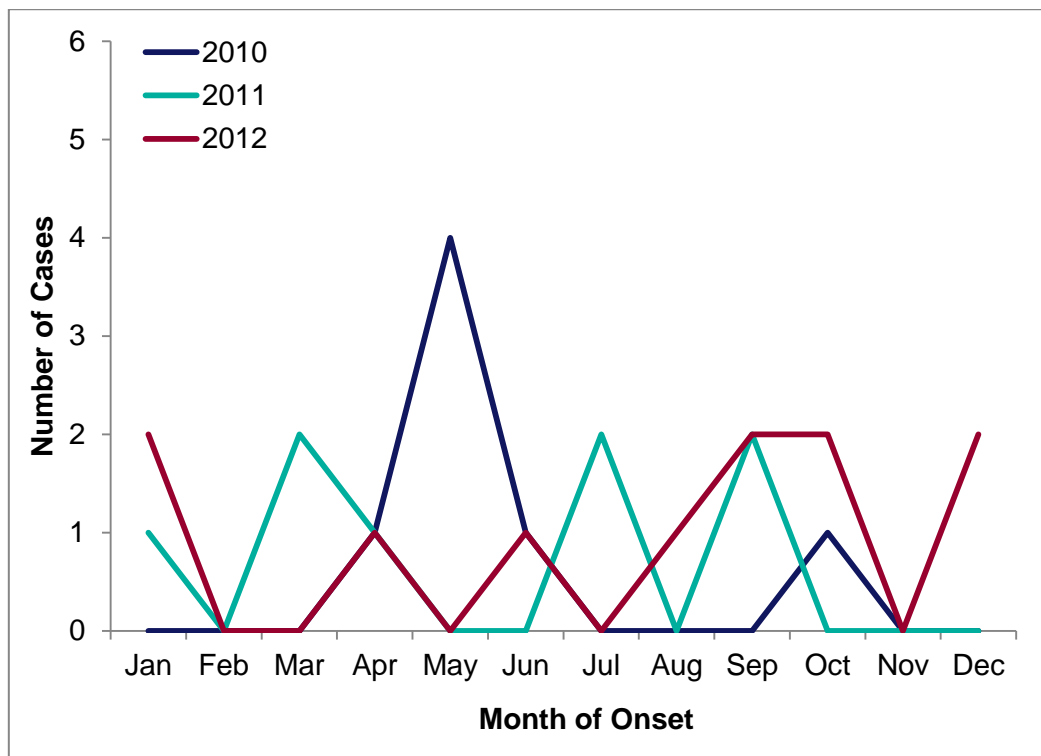


Table 5: Legionnaires' disease cases in residents of Greater Manchester by diagnostic test and year of onset; 2010 - 2012~

	2010	2011	2012	Total (2010-2012)	National Total (2010-2012)
Case Numbers[†]	7	8	11	26	898
Culture	-	2	-	2	180 (20.0)
Urine	7	8	11	26	881 (98.0)
Serology (SHT)	-	-	-	-	13 (1.5)
Serology (FFR)	-	-	-	-	3 (0.3)
PCR	-	1	-	1	145 (16.2)

~ 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 Greater Manchester by Local Authority (Upper-Tier) and year of onset; 2010 – 2012

Local Authority	2010	2011	2012	Total (2010-2012)
Bolton	-	1	2	3
Bury	-	1	1	2
Manchester	1	1	1	3
Oldham	-	1	1	2
Rochdale	2	-	-	2
Salford	-	1	1	2
Stockport	2	2	1	5
Tameside	1	-	-	1
Trafford	1	-	3	4
Wigan	-	1	1	2
Total	7	8	11	26

Table 7: Number and type of outbreaks/clusters with associated number of Greater Manchester cases of Legionnaires' disease; 2010 – 2012

Outbreak/Clusters
No outbreaks or clusters were identified with association Greater Manchester.

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