



Tuberculosis in Wales Annual Report 2017

Data to the end of 2016

Data Tables

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Table 1: Number of cases and rate of TB by LHB and LA, Wales; 2007-2016¹

HB and LA	2007		2008		2009		2010		2011		2012		2013		2014		2015		2016		5 Year Average ²	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
Abertawe Bro Morgannwg University	41	8.1	33	6.5	36	7.0	23	4.5	19	3.7	17	3.3	23	4.4	14	2.7	15	2.9	21	4.0	18	3.4
Bridgend	11	8.1	8	5.8	3	2.2	3	2.2	5	3.6	1	0.7	3	2.1	0	0.0	5	3.5	3	2.1	2	1.7
Neath Port Talbot	6	4.3	2	1.4	7	5.0	5	3.6	5	3.6	4	2.9	9	6.4	2	1.4	4	2.8	5	3.5	5	3.4
Swansea	24	10.3	23	9.8	26	11.0	15	6.3	9	3.8	12	5.0	11	4.6	12	5.0	6	2.5	13	5.3	11	4.5
Aneurin Bevan University	32	5.6	20	3.5	37	6.5	24	4.2	24	4.2	25	4.3	25	4.3	31	5.3	22	3.8	28	4.8	26	4.5
Blaenau Gwent	3	4.3	0	0.0	3	4.3	4	5.7	1	1.4	1	1.4	2	2.9	2	2.9	0	0.0	1	1.4	1	1.7
Caerphilly	4	2.3	4	2.3	2	1.1	3	1.7	5	2.8	5	2.8	4	2.2	2	1.1	3	1.7	2	1.1	3	1.8
Monmouthshire	5	5.6	3	3.3	0	0.0	2	2.2	5	5.5	3	3.3	3	3.3	2	2.2	0	0.0	1	1.1	2	2.0
Newport	18	12.7	13	9.1	28	19.5	15	10.4	12	8.2	15	10.3	15	10.2	24	16.3	18	12.2	23	15.4	19	12.9
Torfaen	2	2.2	0	0.0	4	4.4	0	0.0	1	1.1	1	1.1	1	1.1	1	1.1	1	1.1	1	1.1	1	1.1
Betsi Cadwaladr University	35	5.2	28	4.1	36	5.3	28	4.1	19	2.8	19	2.8	30	4.3	14	2.0	24	3.5	11	1.6	20	2.8
Anglesey	0	0.0	4	5.7	7	10.0	4	5.7	0	0.0	2	2.9	6	8.6	3	4.3	5	7.1	0	0.0	3	4.6
Conwy	7	6.2	7	6.1	6	5.2	5	4.4	2	1.7	0	0.0	4	3.5	4	3.4	3	2.6	1	0.9	2	2.1
Denbighshire	3	3.2	4	4.2	2	2.1	2	2.1	3	3.2	3	3.2	4	4.2	1	1.1	6	6.3	2	2.1	3	3.4
Flintshire	3	2.0	5	3.3	6	3.9	2	1.3	5	3.3	3	2.0	4	2.6	1	0.7	4	2.6	2	1.3	3	1.8
Gwynedd	13	10.9	2	1.7	7	5.8	10	8.3	4	3.3	7	5.7	6	4.9	3	2.5	4	3.3	3	2.4	5	3.8
Wrexham	9	6.9	6	4.5	8	6.0	5	3.7	5	3.7	4	2.9	6	4.4	2	1.5	2	1.5	3	2.2	3	2.5
Cardiff and Vale University	70	15.5	54	11.8	65	14.0	45	9.6	43	9.1	36	7.6	40	8.4	28	5.8	29	6.0	25	5.1	32	6.6
Cardiff	57	17.4	49	14.7	58	17.2	41	12.0	35	10.1	32	9.2	38	10.8	27	7.6	28	7.8	24	6.6	30	8.4
Vale of Glamorgan	13	10.4	5	4.0	7	5.5	4	3.2	8	6.3	4	3.2	2	1.6	1	0.8	1	0.8	1	0.8	2	1.4
Cwm Taf University	13	4.5	23	7.9	22	7.5	16	5.5	6	2.0	16	5.4	10	3.4	8	2.7	3	1.0	9	3.0	9	3.1
Merthyr Tydfil	2	3.5	2	3.5	3	5.2	3	5.1	2	3.4	4	6.8	3	5.1	1	1.7	1	1.7	0	0.0	2	3.0
Rhondda Cynon Taff	11	4.7	21	8.9	19	8.1	13	5.5	4	1.7	12	5.1	7	3.0	7	3.0	2	0.8	9	3.8	7	3.1
Hywel Dda University	11	2.9	7	1.8	8	2.1	12	3.2	19	5.0	20	5.2	11	2.9	17	4.4	16	4.2	10	2.6	15	3.9
Carmarthenshire	9	5.0	0	0.0	5	2.7	9	4.9	9	4.9	7	3.8	7	3.8	10	5.4	7	3.8	5	2.7	7	3.9
Ceredigion	1	1.3	1	1.3	1	1.3	1	1.3	5	6.6	2	2.6	1	1.3	1	1.3	1	1.3	3	4.0	2	2.1
Pembrokeshire	1	0.8	6	5.0	2	1.6	2	1.6	5	4.1	11	8.9	3	2.4	6	4.9	8	6.5	2	1.6	6	4.9
Powys Teaching	2	1.5	4	3.0	9	6.8	4	3.0	1	0.8	3	2.3	3	2.3	2	1.5	7	5.3	2	1.5	3	2.6
Powys	2	1.5	4	3.0	9	6.8	4	3.0	1	0.8	3	2.3	3	2.3	2	1.5	7	5.3	2	1.5	3	2.6
Not known	0		0		0		0		0		0		0		0		0		0		0	
Total	204	6.8	169	5.6	213	7.0	152	5.0	131	4.3	136	4.4	142	4.6	114	3.7	116	3.7	106	3.4	135	4.4

¹Rate per 100,000 using ONS Mid-Year population estimates

²Average number of cases and rate calculated using the last 5 years data (2012 to 2016)

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Table 2. Number of cases and rate of TB by Sex, Wales; 2007-2016¹

Sex	2007		2008		2009		2010		2011		2012		2013		2014		2015		2016	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
Male	114	7.8	94	6.4	122	8.2	92	6.2	71	4.7	91	6.0	90	5.9	73	4.8	62	4.1	60	3.9
Female	90	5.9	71	4.6	86	5.5	58	3.7	57	3.7	45	2.9	52	3.3	41	2.6	54	3.4	46	2.9
Unknown	0		4		5		2		3		0		0		0		0			
Total	204		169		213		152		131		136		142		114		116		106	

¹Rate per 100,000 using ONS Mid-Year population estimates

Table 3. Number of cases and rate of TB by Age Group, Wales; 2007-2016¹

Age Group	2007		2008		2009		2010		2011		2012		2013		2014		2015		2016	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
0-4	11	6.7	8	4.7	11	6.4	2	1.1	2	1.1	0	0.0	2	1.1	1	0.6	0	0.0	0	0.0
5-14	3	0.8	9	2.6	3	0.9	4	1.2	6	1.8	3	0.9	3	0.9	0	0.0	1	0.3	2	0.6
15-24	25	6.2	17	4.2	29	7.1	17	4.2	21	5.1	14	3.4	26	6.3	18	4.4	11	2.7	7	1.8
25-34	53	15.4	32	9.2	44	12.5	32	9.0	29	8.0	40	11.0	37	10.0	23	6.1	25	6.6	20	5.2
35-44	36	8.4	29	6.9	33	8.0	25	6.2	27	6.9	17	4.5	16	4.3	18	4.9	24	6.7	24	6.7
45-54	28	7.1	18	4.5	32	7.8	19	4.6	11	2.6	24	5.6	19	4.4	19	4.4	17	3.9	15	3.5
55-64	9	2.3	18	4.6	17	4.3	18	4.6	9	2.3	9	2.3	20	5.3	14	3.7	17	4.4	17	4.4
65+	39	7.4	38	7.1	44	8.0	35	6.3	26	4.6	29	4.9	19	3.2	21	3.4	21	3.4	21	3.3
Total	204		169		213		152		131		136		142		114		116		106	

¹Rate per 100,000 using ONS Mid-Year population estimates

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Table 4. Number and percentage of TB cases by ethnic group, Wales; 2007-2016¹

Ethnic Group	2007		2008		2009		2010		2011		2012		2013		2014		2015		2016		5 year Average ²	
	Cases	%	Cases	%	Cases	%	Cases	%	Cases	%	Cases	%	Cases	%	Cases	%	Cases	%	Cases	%	Cases	Rate
White	87	42.6	80	47.3	97	45.5	66	43.4	40	30.5	58	42.6	62	43.7	42	36.8	52	44.8	44	41.5	52	1.8
Black-Caribbean	0	0.0	1	0.6	0	0.0	1	0.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	1.9	0	10.5
Black-African	23	11.3	22	13.0	31	14.6	11	7.2	23	17.6	13	9.6	18	12.7	15	13.2	11	9.5	15	14.2	14	121.1
Black-Other	3	1.5	1	0.6	3	1.4	3	2.0	1	0.8	1	0.7	0	0.0	1	0.9	1	0.9	1	0.9	1	31.0
Indian	26	12.7	25	14.8	30	14.1	21	13.8	23	17.6	27	19.9	22	15.5	21	18.4	13	11.2	15	14.2	20	113.6
Pakistani	17	8.3	10	5.9	20	9.4	18	11.8	12	9.2	13	9.6	12	8.5	16	14.0	19	16.4	12	11.3	14	117.8
Bangladeshi	7	3.4	3	1.8	6	2.8	9	5.9	3	2.3	1	0.7	7	4.9	2	1.8	6	5.2	5	4.7	4	39.3
Chinese	5	2.5	6	3.6	6	2.8	3	2.0	3	2.3	1	0.7	4	2.8	3	2.6	2	1.7	1	0.9	2	16.1
Mixed/Other	20	9.8	12	7.1	5	2.3	8	5.3	15	11.5	15	11.0	13	9.2	10	8.8	9	7.8	7	6.6	11	17.1
Unknown	16	7.8	9	5.3	15	7.0	12	7.9	11	8.4	7	5.1	4	2.8	4	3.5	3	2.6	4	3.8	4	
Total	204		169		213		152		131		136		142		114		116		106		123	4.0

¹Rate per 100,000 using ONS 2011 population estimates by ethnic group

²Average number of cases and rates calculated using the last 5 years data (2012 to 2016)

Table 5. Number and percentage of TB cases by place of birth, Wales; 2007-2016

Place of Birth	2007		2008		2009		2010		2011		2012		2013		2014		2015		2016	
	Cases	%	Cases	%	Cases	%	Cases	%	Cases	%	Cases	%	Cases	%	Cases	%	Cases	%	Cases	%
Born in UK	81	39.7	81	47.9	103	48.4	73	48.0	46	35.1	57	41.9	58	40.8	43	37.7	52	44.8	47	44.3
Born Abroad	97	47.5	75	44.4	89	41.8	68	44.7	80	61.1	74	54.4	82	57.7	65	57.0	62	53.4	53	50.0
Not Known	26	12.7	13	7.7	21	9.9	11	7.2	5	3.8	5	3.7	2	1.4	6	5.3	2	1.7	6	5.7
Total	204		169		213		152		131		136		142		114		116		106	

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Table 6. Number and percentage of TB cases by world region of birth for non-UK born cases, Wales; 2007-2016

Region of Birth	2007		2008		2009		2010		2011		2012		2013		2014		2015		2016	
	Cases	%	Cases	%	Cases	%	Cases	%	Cases	%	Cases	%	Cases	%	Cases	%	Cases	%	Cases	%
North Africa	1	1.0	1	1.3	4	4.5	1	1.5	0	0.0	1	1.4	3	3.7	3	4.6	3	4.8	3	5.7
Sub-Saharan Africa	27	27.8	20	26.7	27	30.3	12	17.6	25	31.3	15	20.3	19	23.2	11	16.9	10	16.1	13	24.5
East Asia	5	5.2	4	5.3	2	2.2	0	0.0	4	5.0	1	1.4	3	3.7	3	4.6	3	4.8	1	1.9
South Asia	36	37.1	32	42.7	42	47.2	35	51.5	37	46.3	40	54.1	41	50.0	36	55.4	34	54.8	22	41.5
South East Asia	13	13.4	9	12.0	3	3.4	8	11.8	8	10.0	7	9.5	8	9.8	3	4.6	4	6.5	6	11.3
Central Europe	2	2.1	0	0.0	0	0.0	2	2.9	1	1.3	1	1.4	3	3.7	0	0.0	4	6.5	3	5.7
East Europe	0	0.0	1	1.3	0	0.0	0	0.0	0	0.0	2	2.7	1	1.2	1	1.5	0	0.0	0	0.0
West Europe	12	12.4	7	9.3	9	10.1	10	14.7	3	3.8	3	4.1	2	2.4	4	6.2	2	3.2	3	5.7
East Mediterranean	1	1.0	1	1.3	2	2.2	0	0.0	2	2.5	2	2.7	1	1.2	2	3.1	2	3.2	0	0.0
North America	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	1.4	0	0.0	1	1.5	0	0.0	0	0.0
South & Central America	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	1.4	1	1.2	1	1.5	0	0.0	2	3.8
Total	97		75		89		68		80		74		82		65		62		53	

Table 7. Time between UK entry and TB diagnosis for non-UK born cases, Wales; 2007-2016

Time between UK Entry and Diagnosis	2007		2008		2009		2010		2011		2012		2013		2014		2015		2016	
	Cases	%	Cases	%	Cases	%	Cases	%	Cases	%	Cases	%	Cases	%	Cases	%	Cases	%	Cases	%
< 2 years	29	29.9	19	25.3	20	22.5	9	13.2	19	23.8	19	25.7	22	26.8	15	23.1	11	17.7	7	13.2
2-5 years	20	20.6	15	20.0	32	36.0	20	29.4	20	25.0	25	33.8	17	20.7	15	23.1	11	17.7	12	22.6
6-10 years	4	4.1	11	14.7	10	11.2	8	11.8	20	25.0	11	14.9	15	18.3	5	7.7	6	9.7	14	26.4
>10 years	13	13.4	15	20.0	6	6.7	13	19.1	11	13.8	11	14.9	13	15.9	16	24.6	19	30.6	13	24.5
Not Recorded	31	32.0	15	20.0	21	23.6	18	26.5	10	12.5	8	10.8	15	18.3	14	21.5	15	24.2	7	13.2
Total	97		75		89		68		80		74		82		65		62		53	

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Table 8. History of or current social risk factors among TB patients and data completeness, Wales; 2009-2016

Year	Cases	History of Drug Abuse			History of Alcohol Abuse			History of Homelessness			History of Prison			Any Risk Factor		
		n	%	Completeness %	n	%	Completeness %	n	%	Completeness %	n	%	Completeness %	n	%	Completeness %
2009	213	5	3.0	77.0	8	5.1	74.2	13	7.7	79.3	5	3.7	62.9	23	17.3	62.4
2010	152	12	10.9	72.4	6	5.0	79.6	6	4.8	82.9	5	4.7	70.4	18	17.0	69.7
2011	131	3	2.7	86.3	2	1.7	91.6	3	2.5	90.1	2	1.8	85.5	8	7.6	80.2
2012	136	0	0.0	83.1	3	2.4	90.4	2	1.6	89.7	1	0.9	80.1	6	6.0	73.5
2013	142	8	6.7	84.5	6	4.6	92.3	5	3.8	93.7	4	3.3	85.9	13	11.5	79.6
2014	114	7	7.2	85.1	7	7.0	87.7	6	5.8	90.4	5	5.7	77.2	15	17.2	76.3
2015	116	8	7.3	94.0	6	5.5	94.8	4	3.7	93.1	5	4.7	92.2	12	11.7	88.8
2016	106	7	6.9	95.3	4	4.0	93.4	7	7.3	90.6	8	9.0	84.0	13	14.4	84.9

Table 9. Rate of TB per 100,000 population by deprivation quintile, Wales; 2016¹

Deprivation Quintile	n	%	Rate	Upper CI	Lower CI
Most deprived	42	40.0	7.0	5.1	9.5
Quintile 2	24	22.9	3.9	2.5	5.8
Quintile 3	16	15.2	2.5	1.4	4.1
Quintile 4	16	15.2	2.6	1.5	4.1
Least deprived	7	6.7	1.1	0.5	2.4
Total	105	100	3.7	3.1	4.5

¹One case excluded with no fixed abode

Table 10. Number and percentage of TB cases by site of disease, Wales; 2007-2016

Site of Disease ¹	2007		2008		2009		2010		2011		2012		2013		2014		2015		2016	
	Cases	%	Cases	%	Cases	%	Cases	%	Cases	%	Cases	%	Cases	%	Cases	%	Cases	%	Cases	%
Pulmonary ²	135	66.2	102	60.4	126	59.2	93	61.2	71	54.2	78	57.4	84	59.2	64	56.1	65	56.0	73	68.9
Extra thoracic lymph nodes	39	19.1	26	15.4	39	18.3	28	18.4	33	25.2	33	24.3	25	17.6	19	16.7	22	19.0	20	18.9
Intra thoracic lymph nodes	21	10.3	16	9.5	11	5.2	9	5.9	1	0.8	5	3.7	6	4.2	8	7.0	10	8.6	5	4.7
Pleural	17	8.3	10	5.9	14	6.6	6	3.9	12	9.2	10	7.4	8	5.6	8	7.0	8	6.9	2	1.9
Gastrointestinal	7	3.4	10	5.9	6	2.8	6	3.9	8	6.1	5	3.7	5	3.5	3	2.6	3	2.6	8	7.5
CNS-meningitis	4	2.0	4	2.4	4	1.9	5	3.3	3	2.3	2	1.5	3	2.1	7	6.1	3	2.6	4	3.8
CNS-other	4	2.0	3	1.8	4	1.9	4	2.6	2	1.5	4	2.9	4	2.8	4	3.5	3	2.6	2	1.9
Bone-Spine	4	2.0	4	2.4	8	3.8	2	1.3	4	3.1	3	2.2	8	5.6	8	7.0	4	3.4	4	3.8
Bone-other	3	1.5	3	1.8	4	1.9	1	0.7	5	3.8	4	2.9	2	1.4	1	0.9	3	2.6	0	0.0
Genitourinary	6	2.9	2	1.2	6	2.8	3	2.0	2	1.5	5	3.7	4	2.8	5	4.4	5	4.3	1	0.9
Laryngeal	1	0.5	1	0.6	0	0.0	2	1.3	1	0.8	0	0.0	1	0.7	0	0.0	2	1.7	0	0.0
Cryptic	0	0.0	1	0.6	1	0.5	0	0.0	2	1.5	1	0.7	1	0.7	3	2.6	3	2.6	0	0.0
Other extra pulmonary	5	2.5	13	7.7	22	10.3	14	9.2	21	16.0	8	5.9	8	5.6	7	6.1	9	7.8	6	5.7
Unknown extra pulmonary	36	17.6	33	19.5	40	18.8	37	24.3	40	30.5	45	33.1	30	21.1	29	25.4	20	17.2	21	19.8
Total cases	204		169		213		152		131		136		142		114		116		106	

¹Patients may have disease at more than one site

²Pulmonary TB includes miliary TB in accordance with the WHO's recommendation and international reporting definitions [5]. Revised trends in site of disease are presented for previous years using the revised WHO definitions.

Table 11. Number and percentage of TB cases with a history of BCG vaccination by age group, Wales; 2016

Age Group	Vaccinated	Known Status	Vaccinated %	Known Status %
0-4	-	-	-	-
5-14	0	2	0.0	100.0
15-24	2	2	100.0	28.6
25-34	9	11	81.8	55.0
35-44	12	14	85.7	58.3
45-54	10	10	100.0	66.7
55-64	6	8	75.0	47.1
65+	8	14	57.1	66.7
Total	47	61	77.0	57.5

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Table 12. Number and percentage of TB cases with previous TB diagnosis, Wales; 2007-2016

Previous Diagnosis	2007		2008		2009		2010		2011		2012		2013		2014		2015		2016	
	Cases	%	Cases	%	Cases	%	Cases	%	Cases	%	Cases	%	Cases	%	Cases	%	Cases	%	Cases	%
Yes	17	8.3	15	8.9	23	10.8	6	3.9	10	7.6	6	4.4	8	5.6	9	7.9	3	2.6	7	6.6
No	147	72.1	127	75.1	152	71.4	122	80.3	108	82.4	121	89.0	125	88.0	91	79.8	110	94.8	92	86.8
Not Reported	40	19.6	27	16.0	38	17.8	24	15.8	13	9.9	9	6.6	9	6.3	14	12.3	3	2.6	7	6.6
Total	204		169		213		152		131		136		142		114		116		106	

Table 13. Number and percentage of TB cases with Bacteriological Confirmation, Wales; 2007-2016

Bacteriological Results	2007		2008		2009		2010		2011		2012		2013		2014		2015		2016	
	Cases	%	Cases	%	Cases	%	Cases	%	Cases	%	Cases	%	Cases	%	Cases	%	Cases	%	Cases	%
Culture confirmed ¹	128	62.7	102	60.4	119	55.9	107	70.4	94	71.8	105	77.2	87	61.3	81	71.1	80	69.0	80	75.5
Culture confirmed Pulmonary cases ²	93	68.9	73	71.6	80	63.5	72	77.4	56	78.9	63	80.8	62	73.8	55	85.9	59	90.8	61	83.6
Pulmonary cases with sputum smear taken ²	94	69.6	55	53.9	39	31.0	41	44.1	39	54.9	39	50.0	43	51.2	35	54.7	40	61.5	35	47.9
Positive sputum smear pulmonary cases ³	42	44.7	27	49.1	19	48.7	23	56.1	29	74.4	32	82.1	36	83.7	20	57.1	25	62.5	21	60.0

¹ Denominator for percentage is total number of TB cases

² Denominator for percentage is total number of pulmonary TB cases

³ Denominator for percentage is number of pulmonary cases with sputum smear taken

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Table 14. Species identification in culture confirmed TB Cases, Wales, 2007-2016

Species	2007		2008		2009		2010		2011		2012		2013		2014		2015		2016	
	Cases	%	Cases	%	Cases	%	Cases	%	Cases	%	Cases	%	Cases	%	Cases	%	Cases	%	Cases	%
<i>M. africanum</i>	0	0.0	0	0.0	1	0.8	0	0.0	4	4.3	1	1.0	0	0.0	0	0.0	1	1.3	1	1.3
<i>M. bovis</i>	1	0.8	2	2.0	4	3.4	1	0.9	0	0.0	3	2.9	0	0.0	1	1.2	3	3.8	1	1.3
<i>M. tuberculosis</i>	127	99.2	100	98.0	114	95.8	105	98.1	90	95.7	101	96.2	87	100.0	80	98.8	76	95.0	77	96.3
<i>M. tuberculosis complex</i>	0	0.0	0	0.0	0	0.0	1	0.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	1.3
Total	128		102		119		107		94		105		87		81		80		80	

Table 15: Number and proportion of TB cases with first line drug resistance¹, Wales, 2007-2016

Year	Isoniazid resistant		Rifampicin resistant		Ethambutol resistant		Pyrazinamide resistant ²		Any resistance to one or more first line drug	
	n	%	n	%	n	%	n	%	n	%
2007	13	10.2	4	3.1	2	1.6	3	2.4	15	11.7
2008	5	5.0	3	3.0	2	2.0	0	0.0	6	5.9
2009	7	5.9	1	0.8	0	0.0	2	1.7	9	7.6
2010	6	5.6	0	0.0	1	0.9	2	1.9	8	7.5
2011	2	2.1	2	2.1	1	1.1	0	0.0	4	4.3
2012	10	9.5	1	1.0	1	1.0	0	0.0	10	9.5
2012	8	9.2	2	2.3	0	0.0	1	1.1	8	9.2
2014	10	12.3	3	3.7	1	1.2	1	1.3	10	12.3
2015	6	7.5	1	1.3	1	1.3	2	2.6	7	8.8
2016	4	5.0	2	2.5	1	1.3	1	1.3	4	5.0

¹ Includes culture confirmed cases with drug susceptibility results for at least isoniazid and rifampicin

² Excludes *M. bovis* cases

Table 16. TB treatment outcome at 12 months for drug sensitive cases with expected treatment duration <12 months, Wales; 2006-2015¹

Year	Completed		Died		Lost to follow-up		Still on treatment		Stopped		Not evaluated ²		Total
	n	%	n	%	n	%	n	%	n	%	n	%	n
2006	115	66.9	14	8.1	5	2.9	6	3.5	4	2.3	28	16.3	172
2007	113	60.8	13	7.0	11	5.9	21	11.3	3	1.6	25	13.4	186
2008	118	78.1	12	7.9	3	2.0	11	7.3	0	0.0	7	4.6	151
2009	148	77.5	17	8.9	6	3.1	8	4.2	5	2.6	7	3.7	191
2010	107	77.5	17	12.3	5	3.6	7	5.1	1	0.7	1	0.7	138
2011	90	76.3	8	6.8	8	6.8	5	4.2	6	5.1	1	0.8	118
2012	90	75.0	11	9.2	6	5.0	9	7.5	1	0.8	3	2.5	120
2013	101	83.5	4	3.3	7	5.8	1	0.8	2	1.7	6	5.0	121
2014	76	82.6	8	8.7	3	3.3	4	4.3	0	0.0	1	1.1	92
2015	85	84.2	4	4.0	4	4.0	5	5.0	1	1.0	2	2.0	101

¹Excludes initial and amplified to rifampicin resistant TB and MDR-TB treated cases and those with CNS, spinal, miliary or cryptic disseminated TB

²Not evaluated includes missing, unknown and transferred out.

Table 17. TB treatment completion at 12 months by age group for drug sensitive cases with expected treatment duration <12 months, Wales; 2006-2015¹

Year	0-4		5-14		15-24		25-34		35-44		45-54		55-64		65+	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
2006	4	100.0	2	50.0	15	71.4	33	80.5	19	61.3	14	73.7	14	77.8	14	41.2
2007	6	54.5	0	-	15	68.2	29	67.4	22	64.7	18	72.0	4	44.4	19	48.7
2008	7	100.0	7	87.5	14	87.5	24	82.8	21	84.0	15	93.8	13	76.5	17	51.5
2009	11	100.0	3	100.0	20	76.9	33	80.5	21	80.8	26	86.7	13	76.5	21	56.8
2010	1	100.0	4	100.0	13	86.7	23	82.1	20	83.3	14	82.4	11	68.8	21	63.6
2011	1	100.0	6	100.0	13	72.2	21	80.8	18	78.3	10	100.0	7	87.5	14	53.8
2012	0	-	2	100.0	11	84.6	29	80.6	11	68.8	16	84.2	5	62.5	16	61.5
2013	2	100.0	2	66.7	18	90.0	25	83.3	14	93.3	13	76.5	16	84.2	11	73.3
2014	0	-	0	-	15	93.8	18	90.0	13	86.7	13	81.3	10	90.9	7	50.0
2015	0	-	1	100.0	7	70.0	22	95.7	16	76.2	12	80.0	12	92.3	15	83.3

¹Excludes initial and amplified to rifampicin resistant TB and MDR-TB treated cases and those with CNS, spinal, miliary or cryptic disseminated TB

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Table 18. TB treatment completion at 12 months by sex for drug sensitive cases with expected treatment duration <12 months, Wales; 2006-2015¹

Year	Male		Female	
	n	%	n	%
2006	70	66.7	45	67.2
2007	61	58.1	52	64.2
2008	66	78.6	50	79.4
2009	85	78.0	59	76.6
2010	60	71.4	46	88.5
2011	46	74.2	42	79.2
2012	57	70.4	33	84.6
2013	63	85.1	38	80.9
2014	45	76.3	31	93.9
2015	44	81.5	41	87.2

¹Excludes initial and amplified to rifampicin resistant TB and MDR-TB treated cases and those with CNS, spinal, miliary or cryptic disseminated TB

Table 19. TB treatment outcome at 12 months by site of disease for drug sensitive cases with expected treatment duration < 12 months, Wales; 2015¹

Site of disease	Completed		Died		Lost to follow-up		Still on treatment		Stopped		Not evaluated ²		Total ³
	n	%	n	%	n	%	n	%	n	%	n	%	n
Pulmonary only	38	80.9	2	4.3	3	6.4	3	6.4	1	2.1	0	0.0	47
Pulmonary, with or without EP	45	80.4	3	5.4	3	5.4	4	7.1	1	1.8	0	0.0	56
Extrapulmonary only	39	88.6	1	2.3	1	2.3	1	2.3	0	0.0	2	4.5	44
Extra-thoracic lymph nodes	20	95.2	0	0.0	1	4.8	0	0.0	0	0.0	0	0.0	21
Intra-thoracic lymph nodes	7	87.5	0	0.0	0	0.0	0	0.0	0	0.0	1	12.5	8
Pleural	6	85.7	1	14.3	0	0.0	0	0.0	0	0.0	0	0.0	7
Bone Other	0	0.0	1	100.0	0	0.0	0	0.0	0	0.0	0	0.0	1
All other EP sites ⁴	27	84.4	0	0.0	1	3.1	3	9.4	0	0.0	1	3.1	32
Total	85	84.2	4	4.0	4	4.0	5	5.0	1	1.0	2	2.0	101

¹ Excludes initial and amplified to rifampicin resistant TB and MDR-TB treated cases and those with CNS, spinal, miliary or cryptic disseminated TB

² Not evaluated includes missing, unknown and transferred out

³ Multiple sites of disease can be reported so the total does not add up to the total number of cases

⁴ All other extra-pulmonary sites includes gastrointestinal, genitourinary, laryngeal, other and unknown extra-pulmonary disease

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Table 20. TB treatment outcome at 12 months by LA and LHB for drug sensitive cases with expected treatment duration <12 months, Wales; 2014-2015¹

LHB and LA	2014			2015		
	Total	Treatment completed		Total	Treatment completed	
	n	n	%	n	n	%
Abertawe Bro Morgannwg University	10	8	80.0	13	8	61.5
Bridgend	0	0	-	3	2	66.7
Neath Port Talbot	2	1	50.0	4	2	50.0
Swansea	8	7	87.5	6	4	66.7
Aneurin Bevan	24	21	87.5	19	18	94.7
Blaenau Gwent	1	1	100.0	0	0	-
Caerphilly	2	2	100.0	2	2	100.0
Monmouthshire	2	2	100.0	0	0	-
Newport	18	15	83.3	16	15	93.8
Torfaen	1	1	100.0	1	1	100.0
Betsi Cadwaladr University	13	9	69.2	20	17	85.0
Anglesey	3	3	100.0	2	2	100.0
Conwy	4	2	50.0	3	2	66.7
Denbighshire	1	1	100.0	5	5	100.0
Flintshire	1	0	0.0	4	4	100.0
Gwynedd	2	1	50.0	4	3	75.0
Wrexham	2	2	100.0	2	1	50.0
Cardiff and Vale University	24	22	91.7	27	24	88.9
Cardiff	23	21	91.3	27	24	88.9
Vale of Glamorgan	1	1	100.0	0	0	-
Cwm Taf	6	6	100.0	3	3	100.0
Merthyr Tydfil	0	0	-	1	1	100.0
Rhondda Cynon Taf	6	6	100.0	2	2	100.0
Hywel Dda	14	9	64.3	14	11	78.6
Carmarthenshire	10	6	60.0	7	5	71.4
Ceredigion	0	0	-	1	1	100.0
Pembrokeshire	4	3	75.0	6	5	83.3
Powys Teaching	1	1	100.0	5	4	80.0
Powys	1	1	100.0	5	4	80.0
Total	92	76	82.6	101	85	84.2

¹Excludes initial and amplified to rifampicin resistant TB and MDR-TB treated cases and those with CNS, spinal, miliary or cryptic disseminated TB

Table 21. Last recorded TB treatment outcome for entire drug sensitive cohort, Wales; 2006-2015¹

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Year	Completed		Died		Lost to follow-up		Still on treatment		Stopped		Not evaluated ²		Total
	n	%	n	%	n	%	n	%	n	%	n	%	n
2006	127	70.2	14	7.7	6	3.3	1	0.6	4	2.2	29	16.0	181
2007	138	69.0	17	8.5	15	7.5	1	0.5	3	1.5	26	13.0	200
2008	139	83.7	14	8.4	4	2.4	0	0.0	1	0.6	8	4.8	166
2009	169	79.7	20	9.4	8	3.8	3	1.4	5	2.4	7	3.3	212
2010	122	80.3	22	14.5	6	3.9	0	0.0	1	0.7	1	0.7	152
2011	105	81.4	8	6.2	9	7.0	0	0.0	6	4.7	1	0.8	129
2012	105	77.8	15	11.1	6	4.4	3	2.2	3	2.2	3	2.2	135
2013	113	81.3	7	5.0	9	6.5	0	0.0	3	2.2	7	5.0	139
2014	95	85.6	11	9.9	4	3.6	0	0.0	0	0.0	1	0.9	111
2015	99	86.1	7	6.1	4	3.5	2	1.7	1	0.9	2	1.7	115

¹Excludes initial and amplified to rifampicin resistant TB and MDR-TB treated cases

²Not evaluated includes missing, unknown and transferred out

Table 22. Last recorded TB treatment outcome for entire drug sensitive cohort by LHB and LA, Wales; 2014-2015¹

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LHB and LA	2014			2015		
	Total	Treatment completed		Total	Treatment completed	
	n	n	%	n	n	%
Abertawe Bro Morgannwg University	11	9	81.8	15	9	60.0
Bridgend	0	0	-	5	3	60.0
Neath Port Talbot	2	1	50.0	4	2	50.0
Swansea	9	8	88.9	6	4	66.7
Aneurin Bevan	31	26	83.9	22	22	100.0
Blaenau Gwent	2	2	100.0	0	0	-
Caerphilly	2	2	100.0	3	3	100.0
Monmouthshire	2	2	100.0	0	0	-
Newport	24	19	79.2	18	18	100.0
Torfaen	1	1	100.0	1	1	100.0
Betsi Cadwaladr University	14	10	71.4	24	20	83.3
Anglesey	3	3	100.0	5	4	80.0
Conwy	4	2	50.0	3	2	66.7
Denbighshire	1	1	100.0	6	6	100.0
Flintshire	1	1	100.0	4	4	100.0
Gwynedd	3	1	33.3	4	3	75.0
Wrexham	2	2	100.0	2	1	50.0
Cardiff and Vale University	28	26	92.9	28	25	89.3
Cardiff	27	25	92.6	27	24	88.9
Vale of Glamorgan	1	1	100.0	1	1	100.0
Cwm Taf	8	8	100.0	3	3	100.0
Merthyr Tydfil	1	1	100.0	1	1	100.0
Rhondda Cynon Taf	7	7	100.0	2	2	100.0
Hywel Dda	17	14	82.4	16	14	87.5
Carmarthenshire	10	8	80.0	7	6	85.7
Ceredigion	1	1	100.0	1	1	100.0
Pembrokeshire	6	5	83.3	8	7	87.5
Powys Teaching	2	2	100.0	7	6	85.7
Powys	2	2	100.0	7	6	85.7
Total	111	95	85.6	115	99	86.1

¹Excludes initial and amplified to rifampicin resistant TB and MDR-TB treated cases

Table 23. All drug sensitive TB cases reported to have died at last recorded treatment outcome, Wales; 2006-2015¹

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Year	Cases reported	Total deaths		TB caused or contributed to death		TB incidental to death		Unknown		Post mortem	
	n	n	%	n	%	n	%	n	%	n	%
2006	181	14	7.7	6	42.9	3	21.4	5	35.7	5	35.7
2007	200	17	8.5	7	41.2	1	5.9	9	52.9	4	23.5
2008	166	14	8.4	3	21.4	6	42.9	5	35.7	4	28.6
2009	212	20	9.4	5	25.0	2	10.0	13	65.0	3	15.0
2010	152	22	14.5	7	31.8	4	18.2	11	50.0	6	27.3
2011	129	8	6.2	2	25.0	3	37.5	3	37.5	2	25.0
2012	135	15	11.1	2	13.3	2	13.3	11	73.3	6	40.0
2013	139	7	5.0	1	14.3	1	14.3	5	71.4	3	42.9
2014	111	11	9.9	3	27.3	2	18.2	6	54.5	2	18.2
2015	115	7	6.1	4	57.1	2	28.6	1	14.3	0	0.0

¹Excludes initial and amplified to rifampicin resistant TB and MDR-TB treated cases

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