



Feidhmeannacht na Seirbhíse Sláinte
Health Service Executive



Tuberculosis treatment outcomes in Ireland 2015

Health Protection Surveillance Centre

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Acknowledgements

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Treatment outcome: 2015 cases

Outcome was recorded for 183 (64.7%) of the 283 cases notified in 2015. Treatment outcome was not reported for the remaining 100 (35.3%) cases. Of the 10 deaths reported, one (0.4% of total cases) was attributed to TB.

Outcome was reported for 48 (64.0%) of the 75 sputum smear positive cases. Treatment outcome was unknown for the remaining 27 (36.0%) smear positive cases. Of the three deaths among smear positive cases, one was attributed to TB.

Of the 11 cases in 2015 with drug resistance other than MDR/XDR* detected, four (36.4%) were reported as having completed treatment, one died and one case was lost to follow up. Treatment outcome was not reported for the remaining five (45.5%) resistant cases.

Table 1 gives details of treatment outcome for total cases and for sputum smear positive cases, while [Table 2](#) gives details of treatment outcome by HSE area for 2015. [Figure 1](#) illustrates the trend in treatment outcome between 2006 and 2015 while [figure 2](#) displays the percentage of TB notifications by treatment success and year for all cases, new pulmonary culture positive cases and for new sputum smear positive cases.

Table 1: Treatment outcome for all cases and smear positive cases, 2015

Treatment outcome	Total cases		Sputum smear positive cases	
	Number	%	Number	%
Completed	157	55.5	39	52.0
Died	10	3.5	3	4.0
Interrupted	1	0.4	0	0.0
Still on treatment	1	0.4	1	1.3
Transferred	6	2.1	2	2.7
Lost to follow up	8	2.8	3	4.0
Unknown	100	35.3	27	36.0
Total	283	100.0	75	100.0
% Outcome reported	64.7		64.0	

Treatment outcome: 2014 MDR-TB and XDR-TB cases†

Of the three MDR-TB cases reported in 2014, one completed treatment, one case died and one case did not have treatment outcome reported at the time of report production. Treatment outcomes for the MDR-TB cases reported during 2015 are not yet available, due to the extended treatment period.

[Figure 3](#) shows the number of MDR-TB notifications by treatment outcome and percentage treatment success by year.

* This includes six isoniazid mono-resistance, four streptomycin mono-resistance and one case with resistance to isoniazid and streptomycin resistance

† Treatment outcome for 2015 not available at the time of publication.

Table 2: Treatment outcome by HSE area, 2015

Treatment outcome	HSE-E	HSE-M	HSE-MW	HSE-NE	HSE-NW	HSE-SE	HSE-S	HSE-W	Total
Completed	24	9	12	10	17	14	54	17	157
Died (due to TB)						1			1
Died (cause unknown)	1	1		1			2		5
Died (not due to TB)	1		2	1					4
Interrupted								1	1
Lost to follow up	2		1	1	1		1	2	8
Still on treatment							1		1
Transferred	2						3	1	6
Unknown	83	4		3			6	4	100
Total	113	14	15	16	18	15	67	25	283
% Outcome reported	26.5	71.4	100.0	81.3	100.0	100.0	91.0	84.0	64.7
% Treatment success (total cases)	21.2	64.3	80.0	62.5	94.4	93.3	80.6	68.0	55.5
% Treatment success (outcome reported)	80.0	90.0	80.0	76.9	94.4	93.3	88.5	81.0	85.8

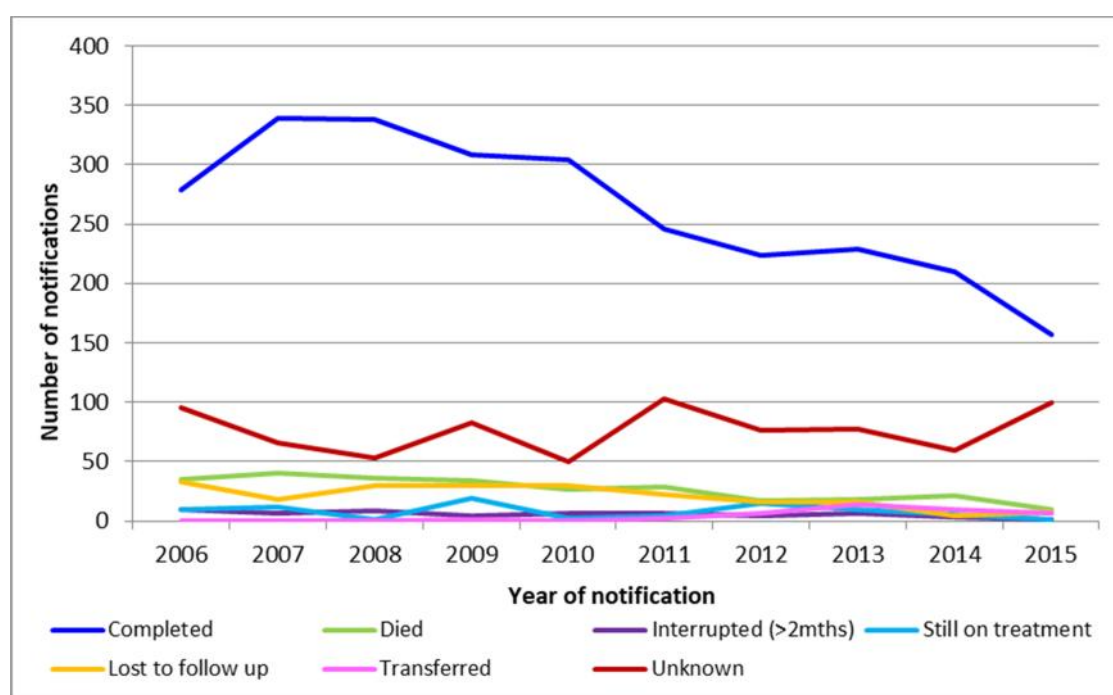


Figure 1: Number of TB notifications by treatment outcome and year

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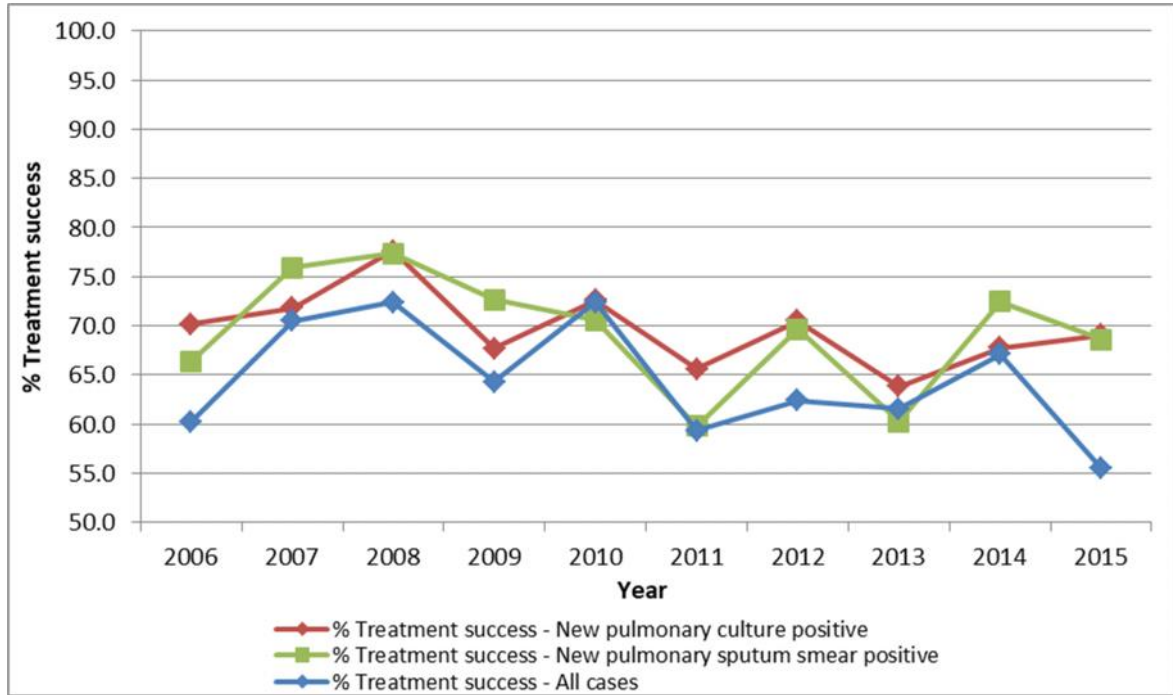


Figure 2: Percentage of TB notifications by treatment success and year

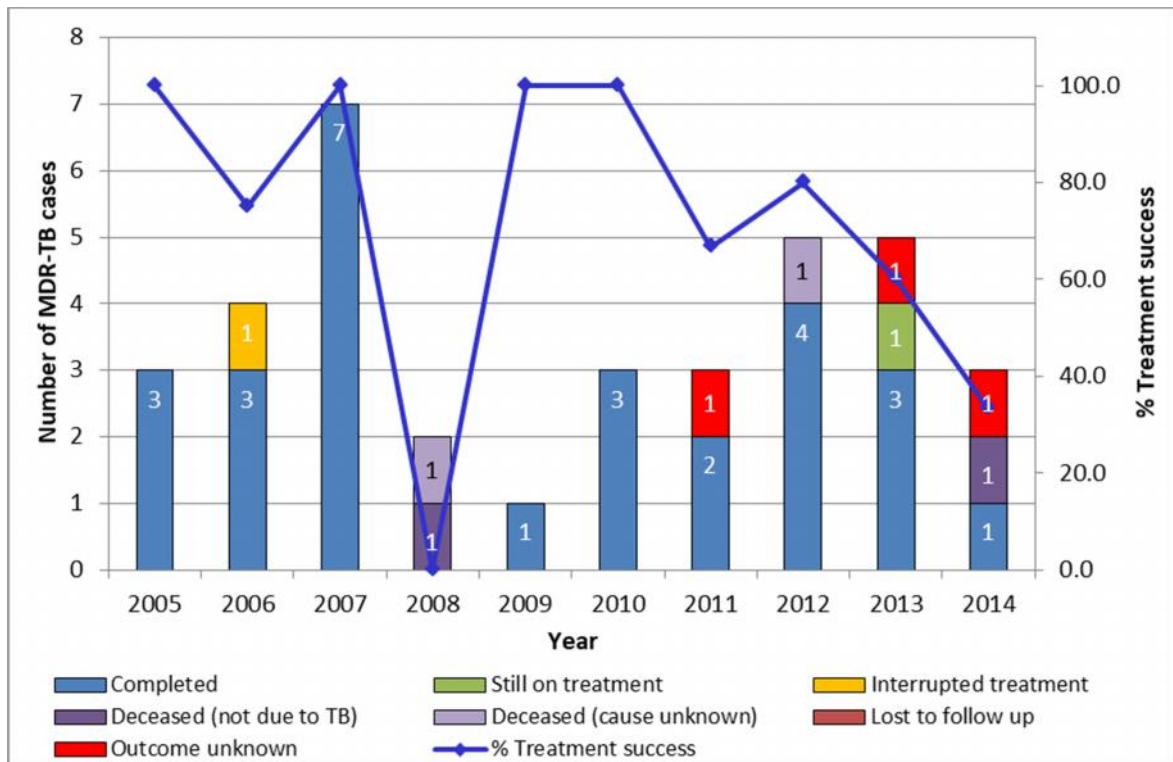


Figure 3: Number of MDR-TB notifications by treatment outcome and percentage treatment success by year