

Suppl.Table 1

Treatment costs based on NHS national tariff 2010 - 11

	Cost £	Unit rate £	HRG Code	Comment	HCW hours Units	Subtotals
I Treatment costs for TB						
A Pulmonary TB = 54% cases in UK	£1,276			HPA 2010		£325
B Extra-pulmonary TB = 46% of cases in UK	£2,062			{3511}		£1,058
Mean cost	£1,637				HCW	£662
NB Add health care worker costs, contact tracing costs						
Total TB treatment costs	£4,908					

A Pulmonary TB (54% of cases in UK)

Path Positive Test

1	New patient Respiratory Medicine OPD,CXR etc	£257	£257	340	WF01B mpc	3	3
1	Six months standard treatment						
1	Respiratory Medicine follow-up OPD		£130	340	WF02A mpc	2	
1	2, 7 weeks	£260					4
1	4, 6 months	£260					4
2	Admission required, estimate 15%						
	Pulmonary, Pleural or other TB with CC	Hospital Ad	£272	£1,811	DZ14A	Elective	
	Pulmonary, Pleural or other TB without CC	Hospital Admission		£1,618	DZ14B		
	based on 20 hospital days					20	3
3	No sputum, CXR suspicious						
	Bronchoscopy and Lavage , estimate 30%	Day case	£151	£504	DZ07Z	Elective	7.5
							2.25
4	CT chest scan required, estimate 20%		£23	£114	RA08Z		
5	after treatment e.g. cavitation						
	Additional OPD x2, in estimate 20%		£52				2
							0.8
6	Hepatitis 2.5%					Saukkonen, 2006	
	Additional OPD x3	£9.75				2	0.15
7	Liver failure	Admission	£1	£2,715	GC01Z		20
						hrs	17.05
						rate	£19.06
	Subtotal PulTB 1		£1,276			Cost	£325

Key HRG health related group
 OPD outpatient attendance
 CXR chest radiograph
 mpc multi-professional clinic
 CC complications

Treatment costs based on NHS national tariff 2010 - 11		Cost £	Unit rate £	HRG Code	Comment	HCW hours	
						Units	Subtotals
I	Treatment costs for TB						
B	Extra-Pulmonary TB (46% of cases in UK)						
	Peripheral LN TB (example used)						
Path	Positive Test						
	1 New patient Respiratory Medicine OPD + CXR	£257	£257 340	WF01B	mpc	3	3
	1 Six months standard treatment						
	1 Respiratory Medicine follow-up OPD		£130 340	WF02A	mpc	2	
	1 2, 7 weeks	£260					4
	1 4, 6 months	£260					4
	2 Admission required, estimate 25% Pulmonary, Pleural or other TB with CC	Hospital Ad £453	£1,811	DZ14A	Elective		
	Pulmonary, Pleural or other TB without CC based on 20 hospital days	Hospital Admission	£1,618	DZ14B		20	5
	3 LN excision biopsy						
	Minor thoracic procedure	£616	£616	DZ06Z	Elective	37.5	37.5
	4 CT chest scan required, estimate 75%	£86	£114	RA08Z			
	5 after treatment						
	Additional OPD x2, in estimate 50%	£130				2	2
	6 Hepatitis 2.5%				Saukkonen, 2006		
	Additional OPD x3	£9.75				2	0.15
	7 Liver failure	Admission	£1	£2,715	GC01Z	20	0
						hrs	55.5
						Rate	£19.06
	Subtotal ExPulTB 1		£2,062			HCW time Cost	£1,058

Treatment costs based on NHS national tariff 2010 - 11		Cost £	Unit rate £	HRG Code	Comment	HCW hours	
						Units	Subtotals
II	Treatment costs for LTBI						
C	LTBI , 3 mths INAH + Rifampicin						
Path	Positive test						
	1 New patient Respiratory Medicine OPD,CXR etc	£257	257 340	WF01B	mpc	3	3
	1 Six months standard treatment						
	1 Respiratory Medicine follow-up OPD		130 340	WF02A	mpc	2	
	1 2, 7,12 weeks	£390					6
	Hepatitis risk, 1.77%						
	Additional OPD x3	£7				0.106	
						hrs	9.00
						rate	£19.06
	Subtotal LTBI total		£647			HCW time Cost	£172
			£819				

Treatment costs based on NHS national tariff 2010 - 11		Cost £	Unit rate £	HRG Code	Comment	HCW hours	
						Units	Subtotals
III	Contact tracing						
Path	5 Contacts Traced per case fig 7 {3627}	£2,132					£476
	1 Initial contact by Telephone	23	£23				
	1 New patient Respiratory Medicine OPD + CXR	257	257 340	WF01B	mpc	3	3
	1 Respiratory Medicine follow-up OPD	130	130 340	WF02A	mpc	2	2
	subtotal CT1	410					5
	1% have active TB	£16				hrs rate	5 £19.06
	subtotal CT2	£426				HCW time Cost	£95
	5 contacts per case	£2,608					

Treatment costs based on NHS national tariff 2010 - 11		Cost £	Unit rate £	HRG Code	Comment	HCW hours	
						Units	Subtotals
IV	Hepatitis						
Path	1 Respiratory Medicine follow-up OPD x3 Estimated sick leave per case	£390 £250	130 340 £715	WF02A	mpc	2	6
	Note: allocation for liver failure in TB costs see IA 7					hrs rate	6 £19.06
		£640				HCW time Cost	£114
	Total	£755					

V	Mantoux test						
	Test reagents and disposables	<i>estimate</i>	£17.25				
	Apply and Read Skin Test	2*0.33 hr a	£12.58				
	Admin, postage, stationary		£7.50				
	Subtotal		£37.33				
	Overheads	<i>30% rate</i>	£11.20				
	Total		£48.53				

Reference

Saukkonen JJ et al,
An Official ATS Statement:
Hepatotoxicity of Antituberculosis Therapy.
Am.J.Respir.Crit.Care Med. 174 (8):935-952, 2006.