

Table 2: Resource utilisation and unit cost data for the direct cost estimate for an episode of pulmonary TB.

						Quantity	Unit Cost	Total Cost
A. DIAGNOSIS						(qty)		
Diagnostic Tests								
	Tuberculin Skin Test					1	€20.95	€20.95
	Chest X-ray (CXR)					1	€30.00	€30.00
	Sputum Smear microscopy					3	€58.41	€175.23
	Polymerase Chain Reactions (PCRs)					1	€34.92	€34.92
Physician Visits/Hospital days								
	Pediatrician Visit					2	€170.93	€341.86
	Ophthalmology visit prior to starting ethambutol					1	€170.93	€170.93
	Hospital Day (Peds ward)					9	€555.00	€4,995.00
TOTAL Diagnosis COST								€5,768.89
B. Initial Treatment success								
		daily dosage (mg/kg)	#days	%	qty	Unit Cost	Total Cost	
Oral Antibiotics								
	Isoniazid	125	5	168	100%	168	€0.79	€132.72
	Rifampicin	250	10	168	100%	168	€0.48	€80.64
	Pyrazinamide	625	25	56	100%	56	€0.39	€21.84
	Ethambutol	500	20	56	100%	56	€2.10	€117.79
Physician Visits/Hospital Days								
	Follow-up Pediatrician visits					6	€170.93	€1,025.58
	Liver Function Tests (LFTs)					6	€12.80	€76.80
	Sputum smears & cultures					3	€58.41	€175.23
	Full Blood Count (FBC)					6	€16.00	€96.00

B. Initial Treatment success (cont)	daily dosage (mg/kg)	#days	%	qty	Unit Cost	Total Cost
Follow-up						
Follow-up CXR after 1 mth				1	€30.00	€30.00
Repeat CXR				1	€30.00	€30.00
Eye review ophthalmology				1	€170.93	€170.93
Management of therapy						
Clinical Nurse Specialist	5 hrs/week	24weeks	5.00%	24	€272.70	€327.24
TOTAL Treatment Success COST						€2,284.77

€8,053.66

C. Treatment Failure	daily dosage (mg/kg)	#days	%	qty	Unit Cost	Total Cost
Oral Antibiotics						
Isoniazid	125	5	168	100%	56	€0.79 €44.24
Rifampicin	250	10	168	100%	56	€0.48 €26.88
Pyrazinamide	625	25	56	100%	56	€0.39 €21.84
Ethambutol	500	20	56	100%	56	€2.10 €117.79
Physician Visits/Hospital Days						
Sputum smears & cultures				1	€58.41	€58.41
Follow-up Pediatrician visits				1	€170.93	€170.93
TOTAL Treatment Failure COST						€440.09

D. Revised Treatment regimen success	daily dosage (mg/kg)	#days	%	qty	Unit Cost	Total Cost
Oral Antibiotics						
Isoniazid	125	5	168	100%	168	€0.79 €132.72
Rifampicin	250	10	168	100%	168	€0.48 €80.64
Pyrazinamide	625	25	28	100%	28	€0.39 €10.92
Ethambutol	500	20	168	100%	168	€2.10 €353.37

D. Revised Treatment regimen success	daily dosage (mg/kg)	#days	%	qty	Unit Cost	Total Cost
Physician Visits/Hospital Days						
Follow-up Pediatrician visits				6	€170.93	€1,025.58
LFTs				6	€12.80	€76.80
Sputum smears & cultures				3	€58.41	€175.23
FBC				6	€16.00	€96.00
Follow-up						
Follow-up CXR after 1 mth				1	€30.00	€30.00
Repeat CXR				1	€30.00	€30.00
Eye review ophthalmology				1	€170.93	€170.93
Management of therapy						
Clinical Nurse Specialist	5 hrs/week	24weeks	5.00%	24	€272.70	€327.24
TOTAL Treatment Success COST						€2,509.43