

Table 3: Resource utilisation and unit cost data for the direct cost estimate for an episode of extrapulmonary TB.

A. DIAGNOSIS		No of days	%	Quantity (qty)	Unit Cost	Total Cost
Diagnostic Tests						
	Tuberculin Skin Test		100.0%	1	€20.95	€20.95
	Chest X-ray (CXR)		100.0%	1	€30.00	€30.00
	Sputum Smear microscopy		100.0%	3	€58.41	€175.23
	IGRA		50.0%	1	€65.00	€32.50
	CT Scan		68.9%	1	€110.00	€75.79
	MRI		10.0%	1	€194.00	€19.40
	Ultrasound		36.8%	1	€115.00	€42.32
	Peritoneal biopsy		4.7%	1	€ 475.00	€22.33
	Lymph node biopsy (INTRA-Thoracic)		9.5%	1	€ 4,389.21	€416.97
	Lymph node biopsy (EXTRA-Thoracic)		26.8%	1	€ 745.81	€199.88
	Liver biopsy (needle)		3.7%	1	€ 948.00	€35.08
	Bone Biopsy		3.2%	1	€ 291.00	€9.31
	Pleural biopsy		23.7%	1	€ 922.00	€218.51
	Other (Bronchoscopy)		15.8%	1	€ 478.00	€75.52
	Genitourinary (D&C)		0.5%	1	€ 399.00	€2.00
	LP/CSF (incl C&S)		11.0%	1	€ 158.30	€17.41
	PCRs		100.0%	1	€ 34.92	€34.92
	Unknown		1.0%	1	€ 347.00	€3.47
Physician Visits/Hospital days						
	Pediatrician consult				€ 170.93	€ 170.93
	ID/micro consult				€ 170.93	€ 170.93
	Hospital Day (Peds ward)	14			€555	€ 7,770.00
TOTAL Diagnosis COST						€ 9,543.45

B. Treatment Success		daily dosage (mg/kg)	#days	%	Quantity (qty)	Unit Cost	Total Cost
Medical							
Oral Antibiotics							
	Isoniazid	125	5	168	100.0%	168	€0.79 €132.72
	Rifampicin	250	10	168	100.0%	168	€0.48 €80.64
	Pyrazinamide	625	25	56	100.0%	56	€0.39 €21.84
	Ethambutol	500	20	56	100.0%	56	€2.10 €117.79
Surgical							
	Anterior spinal fusion				3.2%	€ 2,973.00	€ 95.14
Physician Visits/Hospital Days							
	Follow-up Pediatrician visits					6 € 170.93	€ 1,025.58
	Liver Function Tests (LFTs)					6 € 12.80	€ 76.80
	CT Scan				68.9%	2 €110.00	€151.58
	MRI				10.0%	2 €194.00	€38.80
	Ultrasound				36.8%	2 €115.00	€84.64
	Full Blood Count (FBC)					9 € 16.00	€144.00
Follow-up							
	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							€ 2,467.70

C. Treatment Failure		daily dosage (mg/kg)	#days	%	Quantity (qty)	Unit Cost	Total Cost
Medical							
Oral Antibiotics							
Isoniazid	125	5	168	100.0%	56	€0.79	€44.24
Rifampicin	250	10	168	100.0%	56	€0.48	€26.88
Pyrazinamide	625	25	56	100.0%	56	€0.39	€21.84
Ethambutol	500	20	56	100.0%	56	€2.10	€117.79
Physician Visits/Hospital Days							
Follow-up Pediatrician visits					1	€ 170.93	€ 170.93
Sputum smears & cultures					1	€58.41	€58.41
TOTAL Treatment Failure COST							€ 440.09

D. Revised Treatment Success		daily dosage (mg/kg)	#days	%	Quantity (qty)	Unit Cost	Total Cost
Medical							
Oral Antibiotics							
Isoniazid	125	5	168	100.0%	280	€0.79	€221.20
Rifampicin	250	10	168	100.0%	280	€0.48	€134.40
Pyrazinamide	625	25	56	100.0%	56	€0.39	€21.84
Surgical							
Anterior spinal fusion				3.2%		€ 2,973.00	€ 95.14
Physician Visits/Hospital Days							
Follow-up Pediatrician visits					10	€ 170.93	€ 1,709.30
LFTs					10	€ 12.80	€ 128.00
CT Scan				68.9%	2	€110.00	€151.58

D. Revised Treatment Success				Quantity	Unit Cost	Total Cost
	daily dosage (mg/kg)	#days	%	(qty)		
MRI			10.0%	2	€194.00	€38.80
Ultrasound			36.8%	2	€115.00	€84.64
FBC				9	€ 16.00	€144.00
Follow-up						
Ophthalmology				1	€ 170.93	€ 170.93
Management of therapy						
Clinical Nurse Specialist	5 hrs/week	40weeks	5.00%	40	€272.70	€545.40
TOTAL Treatment Success COST						€ 3,445.23