

Table 4: Resource utilisation and unit cost data for the direct cost estimate for an episode of TB Meningitis.

1. Diagnosis	Probability (%)	Quantity (qty)	Unit Cost	Total Cost
Physician Visits/Hospital Days				
Pediatric ER visit	100%	1.5	€ 222.00	€ 333.00
TOTAL				€ 333.00
Diagnostic Tests				
LP/CSF analysis (incl.C+S)	100%	1	€ 158.00	€ 158.00
Blood C+S	100%	1	€ 29.10	€ 29.10
Urine C+S	100%	1	€ 29.10	€ 29.10
FBC	100%	1	€ 16.00	€ 16.00
IGRA	100.0%	1	€65.00	€65.00
CXR	65%	1	€ 30.00	€ 19.50
CT head	30%	1	€ 96.00	€ 28.80
EEG	10%	1	€ 174.60	€ 17.46
PCRs	100%	1	€ 34.92	€ 34.92
TOTAL				€ 397.88
Physician Visits				
Pediatrician consult			€ 170.93	€ 170.93
ID/micro consult			€ 170.93	€ 170.93
TOTAL				€ 341.86
Antibiotics				
	daily dosage (mg/kg)	#days		
Isoniazid	5	365	100%	€288.35
Rifampicin	10	365	100%	€175.20
Pyrazinamide	25	365	100%	€142.35
Ethambutol	20	365	100%	€767.74
Prednisolone	1	365	100%	€51.10
Management of therapy				
Clinical Nurse Specialist	5 hrs/we	5%	52 weeks	€ 709.02
TOTAL				€ 2,133.76
Diagnosis Total				€ 3,206.50
2. Stable patient				
	Probability (%)	Quantity	Unit Cost	Total Cost
Physician Visits/Hospital Days				
Hospital stay (Peds ward)	100%	14	€ 555.00	€ 7,770.00
TOTAL				€ 7,770.00
Stable patient Total				€ 7,770.00
3. Success (medical)				
	Probability (%)	Quantity	Unit Cost	Total Cost
Physician Visits/Hospital Days				
Follow-up Pediatrician visit	100%	3	€ 170.93	€ 512.79
TOTAL				€ 512.79
Success (medical) Total				€ 512.79

4. Persistent Fever	Probability (%)	Quantity	Unit Cost	Total Cost
Physician Visits/Hospital Days				
Hospital Day (Peds ward)	100%	8	€ 555.00	€ 4,440.00
TOTAL				€ 4,440.00
Diagnostic Tests				
LP/CSF analysis (incl.C+S)	50%	1	€ 158.00	€ 79.00
Blood C+S	100%	1	€ 29.10	€ 29.10
FBC	100%	1	€ 16.00	€ 16.00
CXR	60%	1	€ 30.00	€ 18.00
CT head	70%	1	€ 96.00	€ 67.20
MRI head	10%	1	€ 190.00	€ 19.00
EEG	10%	1	€ 174.60	€ 17.46
TOTAL				€ 245.76
TOTAL				€ 4,685.76
Persistent Fever Total				€ 4,685.76

5. Respond to treatment	Probability (%)	Quantity	Unit Cost	Total Cost
Physician Visits/Hospital Days				
Pediatric Neurosurgical Consult	100%	1	€ 170.93	€ 170.93
TOTAL				€ 170.93
Respond to treatment Total				€ 170.93

6. Septic Patient	Probability (%)	Quantity	Unit Cost	Total Cost
Physician Visits/Hospital Days				
ICU Day	100%	5	€ 2,051.40	€ 10,257.00
Hospital days	100%	10	€ 555.00	€ 5,550.00
TOTAL				€ 15,807.00
Diagnostic Tests				
Co ag test		1	€ 60.53	€ 60.53
LP/CSF analysis (incl.C+S)	75%	1	€ 158.30	€ 118.73
FBC	100%	4	€ 16.00	€ 64.00
renal profile	100%	1	€ 10.00	€ 10.00
LFTs	100%	1	€ 12.80	€ 12.80
MRI	100%	1	€ 194.00	€ 194.00
TOTAL				€ 460.06
				€ 0.00
Septic Patient total				€ 16,267.06

7. Neurosurgical Drainage	Probability (%)	Quantity	Unit Cost	Total Cost
Physician Visits/Hospital Days				
Neurosurgical Drainage of	100%	1	€ 3,430.64	€ 3,430.64
Hospital days	100%	7	€ 555.00	€ 3,885.00
TOTAL				€ 7,315.64
Neurosurgical Drainage Total				€ 7,315.64

8. Success (surgical)	Probability (%)	Quantity	Unit Cost	Total Cost
Physician Visits/Hospital Days				
Follow-up Pediatrician visit	100%	9	€ 170.93	€ 1,538.37
Follow-up Pediatric Neurosurgeon	100%	3	€ 170.93	€ 512.79
TOTAL				€ 2,051.16
Success (surgical) Total				€ 2,051.16
10. Spontaneous resolution	Probability (%)	Quantity	Unit Cost	Total Cost
Physician Visits/Hospital Days				
Follow-up Pediatrician visit	100%	9	€ 170.93	€ 1,538.37
Pediatric Neurosurgical Consult	100%	1	€ 170.93	€ 170.93
TOTAL				€ 1,709.30
Spontaneous resolution total				€ 1,709.30
9. Failure	Probability (%)	Quantity	Unit Cost	Total Cost
Physician Visits/Hospital Days				
Hospital Day (Peds ward)	100%	6	€ 555.00	€ 3,330.00
TOTAL				€ 3,330.00
TOTAL				€ 0.00
Failure/Death Total				€ 3,330.00