

Table 5 Data used for variables in the TRIVAC model to estimate health service utilization and costs (all costs are for 2014)

Variable	Estimate	Scenario		Source/s
		High	Low	
Outpatient visits				
Outpatient visits per disease episode				
All-cause acute otitis media	1	1	0.7	MoHME
Pneumococcal pneumonia	0.47	0.6	0.2	MoHME
Pneumococcal meningitis	0.05	0.08	0.02	MoHME
Pneumococcal NPNM	0.05	0.08	0.02	MoHME
Government cost per outpatient visit (US\$)				
All-cause acute otitis media	2.6	3	2.2	Calculated
Pneumococcal pneumonia	7.4	8	6.8	Calculated
Pneumococcal meningitis	10.7	11.5	9.9	Calculated
Pneumococcal NPNM	15.4	16.2	14.6	Calculated
Household cost per outpatient visit (US\$)				
All-cause acute otitis media	1.6	2	1.2	Calculated
Pneumococcal pneumonia	2.9	3.5	2.3	Calculated
Pneumococcal meningitis	4.6	5.4	3.8	Calculated
Pneumococcal NPNM	6.6	7.4	5.8	Calculated
Inpatient admissions				
Inpatient admissions per disease episode				
Pneumococcal pneumonia	0.47	0.6	0.2	MoHME
Pneumococcal meningitis	0.95	0.99	0.85	MoHME
Pneumococcal NPNM	0.95	0.99	0.85	MoHME
Government cost per inpatient admission (US\$)				
Pneumococcal pneumonia	126.2	213.2	39.2	Calculated
Pneumococcal meningitis	434.4	461.4	427.4	Calculated
Pneumococcal NPNM	441.5	465.5	417.5	Calculated
Household cost per inpatient admission (US\$)				
Pneumococcal pneumonia	117.2	204.2	30.2	Calculated
Pneumococcal meningitis	128.5	101.5	155.5	Calculated
Pneumococcal NPNM	100.2	124.2	76.2	Calculated
Meningitis sequelae				
Government cost of meningitis sequelae/year (US\$)				
Major sequelae (single)	0	0	0	TRIVAC assumption (15)
Major sequelae (multiple)	0	0	0	TRIVAC assumption (15)
Household cost of meningitis sequelae/year (US\$)				
Major sequelae (single)	4525.95	4073.35	4978.54	TRIVAC assumption (15)
Major sequelae (multiple)	4525.95	4073.35	4978.54	TRIVAC assumption (15)

NPNM = non-pneumonia, non-meningitis, and other diseases except sepsis; MoHME = Ministry of Health and Medical Education, Islamic Republic of Iran.