

**Table 1** Estimated burden of pneumococcal diseases in the Islamic Republic of Iran used for the TRIVAC model

Variable	Estimate	Scenario		Source/s
		High	Low	
<b>Annual incidence per 100 000, ages 1–59 months</b>				
All-cause acute otitis media	29 000	35 000	24 000	Institute for Health Metrics and Evaluation (16)
Pneumococcal pneumonia	830	630	412	Rudan et al. (18)
Pneumococcal meningitis	11	15	9	O'Brien et al. (1)
Pneumococcal NPNM	62	89	55	O'Brien et al. (1)
<b>Case fatality ratios, ages 1–59 months (%)</b>				
Pneumococcal pneumonia	2.6	3.2	1.6	Rudan et al. (18)
Pneumococcal meningitis	57	74	35	O'Brien et al. (1)
Pneumococcal NPNM	44	57	27	O'Brien et al. (1)
<b>Sequelae in pneumococcal meningitis survivors (%)</b>				
Major sequelae (single)	20.2	20.2	20.2	Edmond et al. (19)
Major sequelae (multiple)	4.5	4.5	4.5	Edmond et al. (19)
<b>Disability weight for DALY calculations (%)</b>				
All-cause acute otitis media	2	0.5	4.5	GBD 2016 Disease and Injury Incidence and Prevalence Collaborators (20)
Pneumococcal pneumonia	22.3	20	24.9	GBD 2016 Disease and Injury Incidence and Prevalence Collaborators (20)
Pneumococcal meningitis	7.9	3.9	11.8	GBD 2016 Disease and Injury Incidence and Prevalence Collaborators (20)
Pneumococcal NPNM	27.9	27.9	27.9	Assumption (TRIVAC)
Major sequelae (single)	21.0	21.0	24.0	Griffiths (21)
Major sequelae (multiple)	62.7	62.7	62.7	Griffiths (21)
<b>Mean duration of illness (days)</b>				
All-cause acute otitis media	6	10	4	Assumption (TRIVAC)
Pneumococcal pneumonia	10	21	7	Assumption (TRIVAC)
Pneumococcal meningitis	10	21	7	Assumption (TRIVAC)
Pneumococcal NPNM	6	10	4	Assumption (TRIVAC)
<b>Age distribution of disease cases and deaths (%)</b>				
< 3 m	9.4	9.4	9.4	Hortal et al. (22)
3–5 m	9.4	9.4	9.4	Hortal et al. (22)
6–8 m	9.8	9.8	9.8	Hortal et al. (22)
9–11 m	9.8	9.8	9.8	Hortal et al. (22)
12–23 m	28.6	28.6	28.6	Hortal et al. (22)
24–35 m	15.3	15.3	15.3	Hortal et al. (22)
36–47 m	8.9	8.9	8.9	Hortal et al. (22)
48–59 m	8.9	8.9	8.9	Hortal et al. (22)

NPNM = non-pneumonia, non-meningitis, and other diseases except sepsis; DALY = disability-adjusted life year; GBD = global burden of disease.