

Additional File 3: Description of model demographic parameters

Table S3: Description of model demographic parameters and source

Age Group	<1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+
Distribution (%) ^[1]	2.6	13.1	15.2	13.8	10	8.6	702	6	4.7	4.1	3.5	2.9	2.2	1.9	1.3	1.1	0.6	1	0.1
Distribution (#) [*]	510	2,567	2,979	2,705	1,960	1,685	1,411	1,176	921	804	686	568	431	372	255	216	118	196	20
Case Fatality Rate ^{**}	<3 months: 0.09189			18-30 months: 0.0689189			4.5-7.5 years: 0.0459459												
	3-8 months: 0.0810811			2.5-3.5 years: 0.0675676			7.5-12.5 years: 0.0945946												
	9-17 months: 0.0648649			3.5-4.5 years: 0.0297297			12.5-14 years: 0.1243243												

^{*}Proportion at national level applied to census total population of study area, 19,598 individuals

^{**}Deaths among hospitalized cases of severe malaria. Schellenberg, 1999[2]

References

1. Kenya National Bureau of Statistics (KNBS) and ICF Macro. 2010. **Kenya Demographic and Health Survey 2008-09**. Calverton, Maryland: KNBS and ICF Macro.
2. Schellenberg D, Menendez C, Kahigwa E, Font F, Galindo C, Acosta C, Armstrong Schellenberg J, Aponte JJ, Kimario J, Urassa H, Mshinda H, Tanner M, Alonso P: **African children with malaria in an area of intense *Plasmodium falciparum* transmission: features on admission to the hospital and risk factors for death.** *Am J Trop Med Hyg* 1999, **63**:431 – 438.