

Table 3 Frequency of predisposing variables and results of zero-truncated negative binomial model of association of variables and intensity of epidemics ($n = 60$ epidemics)

Variable	Variable present		Variable absent		Adjusted IRR (95% CI)
	No. of epidemics	Mean no. of malaria cases	No. of epidemics	Mean no. of malaria cases	
Control measure failure	5	86.8	55	96.7	0.35 (0.07-1.82)
Population movement	42	66.4	18	164.5	0.42 (0.18-0.98)
Natural disaster	4	173.5	56	90.3	3.46 (0.37-32.7)
Drought	4	116.8	56	94.3	0.24 (0.03-1.90)
Environmental manipulation	4	91.8	56	96.1	1.11 (0.18-6.74)
Agricultural manipulation	2	188.0	58	92.7	3.68 (0.47-28.7)
Rainfall	36	139.6	24	30.1	3.64 (1.64-9.06)
Temperature	46	101.0	14	78.8	1.31 (0.28-6.12)
Humidity	44	93.2	16	103.0	0.34 (0.08-1.36)
Wind	11	88.4	49	97.5	1.94 (0.70-5.35)

IRR = incidence rate ratio; CI = confidence interval.