

Table 2 Risk factors associated with anaemia in preschool children in Karma Albalad, Northern State, Sudan (n = 163)

Risk factors	Anaemic Hb < 11g/dL (n = 131)		Not anaemic Hb ≥ 11g/dL (n = 32)		OR	95% CI	P-value
	No.	%	No.	%			
Sex							
Male	63	48.1	18	56.3	1.19	0.54–2.60	0.54
Female	68	51.9	14	43.8	1.19	0.54–2.66	0.54
Family characteristics							
Large family	58	44.3	12	37.5	0.78	0.30–1.76	0.55
Poor family	33	25.2	7	21.9	1.06	0.49–2.80	0.90
Illiterate mother	11	8.4	1	3.1	2.63	0.30–22.7	0.38
Health history ^a							
Frequent malaria attacks	45	34.4	10	31.3	0.88	0.37–2.06	0.37
Pica	16	12.2	1	3.1	0.23	0.03–1.80	0.16

^aOf the 13 children with asthma 6 had Hb ≥ 11 g/dL and 7 had Hb < 11 g/dL. The 1 child with type 1 diabetes had normal Hb and the 1 child with recurrent urinary tract infection had low Hb < 11 g/dL.

Hb = haemoglobin; OR = odds ratio; CI = confidence interval.