

**Table S2.** Haemoglobin and other haematological measures by study arms at baseline, mid-point and endline.

Outcomes	Time Points	n	Control	n	Intervention	$\beta$ (95%CI)*	X <sup>2</sup>	t	p
Haemoglobin, Hb (g/dL)	Baseline	219	12.9 $\pm$ 1.3	200	12.8 $\pm$ 1.1				
	Midpoint	214	12.8 $\pm$ 1.6	192	13.0 $\pm$ 1.5	0.232 (-0.054, 0.518)		1.640	0.109
	Edline	213	12.9 $\pm$ 1.4	186	12.9 $\pm$ 1.4	0.002 (-0.279, 0.283)		0.013	0.990
Anaemia (Hb <11.5 g/dL for <12 years or <12.0 g/dL for $\geq$ 2 years)	Baseline	219	39 (17.8)	200	30 (15.0)		0.599		0.439
	Midpoint	214	36 (16.8)	192	28 (14.6)		0.382 <sup>a</sup>		0.536
	Endline	213	36 (16.9)	186	35 (18.8)		0.249 <sup>a</sup>		0.618
Haematocrit, HCT (%)	Baseline	220	37.5 $\pm$ 3.1	200	37.5 $\pm$ 2.8				
	Midpoint	210	38.1 $\pm$ 3.3	191	38.6 $\pm$ 3.7	0.576 (-0.214, 1.365)		1.473	0.148
	Endline	210	37.6 $\pm$ 3.3	185	37.4 $\pm$ 3.4	-0.200 (-0.949, 0.550)		-0.540	0.593
HCT <33.5 %	Baseline	220.0	21 (9.5)	200	12 (6.0)		1.819		0.177
	Midpoint	210	14 (6.7)	191	13 (6.8)		0.003		0.956
	Endline	210	18 (8.6)	185	16 (8.6)		.001		0.978
Mean corpuscular haemoglobin concentration, MCHC (g/dL)	Baseline	220	34.2 $\pm$ 1.3	200	34.1 $\pm$ 1.3				
	Midpoint	213	33.8 $\pm$ 1.3	193	33.8 $\pm$ 1.2	0.038 (-0.250, 0.326)		0.267	0.791
	Endline	212	34.4 $\pm$ 1.5	188	34.7 $\pm$ 1.3	0.338 (-0.097, 0.773)		1.564	0.125
MCHC <32.3 g/dL	Baseline	220.0	18 (8.2)	200	16 (8.0)		0.005		0.946
	Midpoint	213	26 (12.2)	193	22 (11.4)		0.063		0.801
	Endline	212	20 (9.4)	188	9 (4.8)		3.199		0.074
Mean corpuscular volume, MCV (fL)	Baseline	217	82.0 $\pm$ 7.5	200	82.3 $\pm$ 6.4				
	Midpoint	213	82.9 $\pm$ 7.6	191	83.1 $\pm$ 6.8	0.107 (-0.958, 1.171)		0.205	0.839
	Endline	213	83.4 $\pm$ 8.1	188	83.1 $\pm$ 7.0	-0.883 (-2.283, 0.517)		-1.287	0.208
MCV <74.7 fL	Baseline	217	23 (10.6)	200	18 (9.0)		0.300	0.584	
	Midpoint	213	22 (10.3)	191	16 (8.4)		0.450	0.502	
	Endline	213	23 (10.8)	188	15 (8.0)		0.925	0.336	
Red blood cell count, RBC count (10 <sup>6</sup> /μL)	Baseline	220	4.6 $\pm$ 0.5	200	4.6 $\pm$ 0.5				
	Midpoint	210	4.6 $\pm$ 0.5	191	4.7 $\pm$ 0.5	0.073 (-0.023, 0.168)		1.541	0.133
	Endline	213	4.5 $\pm$ 0.5	187	4.5 $\pm$ 0.5	0.020 (-0.080, 0.120)		0.400	0.691
RBC count <3.84X10 <sup>6</sup> /μL	Baseline	220	7 (3.2)	200	9 (4.5%)		0.497		0.481
	Midpoint	210	8 (3.8)	191	7 (3.7%)		0.006		0.939
	Endline	213	13 (6.1)	187	16 (8.6%)		0.891		0.345

Data presented as Mean  $\pm$  SD or n (%).

\*Values represent beta coefficient and 95% CI from linear regression models.

p values obtained using linear mixed models adjusted for cluster effect and baseline values to test differences between the groups for continuous variable. Categorical variables by Pearson's chi-square test. Significant was set at p<0.05.