

1 **Supplementary material**2
3 **Supplementary table 1:** Skewness and Kurtosis data for capillary blood (HemoCue®) and venous blood (automated hematology
4 analyzer)

Country	Group	n	Capillary	Skewness	Kurtosis	n	Venous	Skewness	Kurtosis
Cambodia	Women (non-pregnant and pregnant)	1539	capillary	0.00	4.20	1536	venous	-0.63	4.58
	Women non-pregnant women	1509	capillary	-0.01	4.24	1506	venous	-0.66	4.65
	pregnant women	30	capillary	0.41	2.85	30	venous	0.72	3.38
Ghana	pregnant women	234	capillary	-0.37	3.34	228	venous	-0.49	3.67
India ¹	women	982	capillary	-0.61	3.90	982	venous	-1.09	5.68
Laos	children	1479	capillary	-0.21	3.42	1479	venous	0.17	4.54
	6-11 months	522	capillary	-0.19	3.61	522	venous	-0.22	4.02
	12-23 months	957	capillary	-0.20	3.26	957	venous	0.28	4.62
Laos	children	129	capillary	-0.21	3.51	129	Venous	-1.52	10.1
Rwanda	children	131	capillary	-0.38	4.95	131	venous	-0.27	4.31
	6-11 months	40	capillary	-0.93	4.87	40	venous	-0.45	3.10
	12-23 months	39	capillary	0.50	2.42	39	venous	0.03	2.53
	24-59 months	52	capillary	-0.61	4.54	52	venous	-0.54	4.83
The Gambia	children	407	capillary	-1.15	3.89	407	venous	1.34	11.62
	6-11 months	104	capillary	-1.55	5.33	104	venous	-1.45	9.08
	12-23 months	303	capillary	-1.02	3.54	303	venous	1.64	11.11
USA	adults	33	capillary	-0.44	3.40	33	venous	-1.02	4.59

5 ¹In India, both venous and capillary blood were measured on the HemoCue Hb 201+ only