

**ZAMBIA**

Last Updated: 2006-11-29

Level	Date	Region and sample descriptor	Sex	Age (years)	Sample size	Haemoglobin (g/L)						Mean	SD	Method	Reference	Notes			
						Proportion (%) of population with haemoglobin below:										General	Line		
						70	100	110	115	120	130								
N	2003	NPW: Total	F	15.00- 49.99	623					29.1		126	15	B	5098	*			
		Children: Total	B	0.50- 4.99	724			52.9				107	16						
		Children: July	B	0.50- 4.99	353			59.3				104	17						
		Children: November	B	0.50- 4.99	371			47.0				110	17						
L	2001	Lusaka: SAC: Total	B	7.00- 15.99	406									B	4812	*	1		
		Lusaka: SAC by geophagy: geophageous	B	7.00- 15.99	302							129					2		
		Lusaka: SAC by geophagy: non-geophageous	B	7.00- 15.99	104							130					3		
N	1998	Women: Total	F	NS	1498	1.2								B	2477		4		
		Men: Total	M	NS	1498	0.7													
		Children: Total	B	NS- 4.99	1427	14.5		65.0				26.3							
		Women by physiological status: NPW	F	NS	NS					38.3									
		Women by physiological status: PW	F	NS	NS			46.9											
		Women by area: Urban	F	NS	750														5
		Women by area: Rural	F	NS	748														6
		Children by age	B	NS- 0.49	52			59.6											
		Children by age	B	0.50- 1.57	402			81.6											
		Children by age	B	1.58- 4.99	973			57.9											
L	1995	Samfya District: Children by age	B	0.50- 0.82	107			95.0			89	12	D	1771	*				
		Samfya District: Children by age	B	1.17- 1.74	101			86.0			93	14							
L	1981	Namwala Township: SAC	B	5.00- 15.99	377					28.0	125	12	A	2232	*				
D	1973	Nchelenge District: PW: Total	F	14.00- 46.99	424			29.0						D	2233	*	7		
		Nchelenge District: PW by pregnancy number: 1	F	14.00- 29.99	114			43.0			112	17							
		Nchelenge District: PW by pregnancy number: >1	F	16.00- 46.99	310			23.5			118	15							
L	1972P	Lusaka: NPW	F	NS	13						132	11	A	2234	*	8			
		Lusaka: PW by gestational age: 8-20 wks	F	NS	21						117	21				9			
		Lusaka: PW by gestational age: 21-32 wks	F	NS	68						110	13							
		Lusaka: PW by gestational age: >32 wks	F	NS	150						110	13				10			

## NOTES

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**Reference No:** 5098

**General Notes:** *Non-stratified cluster survey in two phases: phase 1 July, phase 2 November; same clusters but not necessarily same households were used; sampling of children and their mothers or caregivers if they were NPW 15.00-49.99 year olds.*

**Reference No:** 4812

**General Notes:** *Facility based study (2 primary schools) in Chawama, a peri-urban area in Lusaka; baseline values of intervention study; sampling: all children in grades 3 and 4 were asked to participate, 406 were enrolled; inclusion only of children who were willing to participate and whose parents consented.*

**Line note 1** Prevalence value calculated; prevalence of anaemia 12.1% (Hb <115 g/L both sexes 5-11 yrs, Hb <120 g/L girls 12-15 yrs, boys 12-13 yrs, Hb <130 g/L boys 14-15 yrs).

**Line note 2** Prevalence of anaemia 12.5% (Hb <115 g/L both sexes 5-11 yrs, Hb <120 g/L girls 12-15 yrs, boys 12-13 yrs, Hb <130 g/L boys 14-15 yrs); 95% CI: 8.5%, 16.5%; 95% CI: 127 g/L, 131 g/L; prevalence of iron deficiency 20.5% (serum ferritin <12 µg/L); mean age 10.2 yrs; 56.3% were girls.

**Line note 3** Prevalence of anaemia 10.7% (Hb <115 g/L both sexes 5-11 yrs, Hb <120 g/L girls 12-15 yrs, boys 12-13 yrs, Hb <130 g/L boys 14-15 yrs); 95% CI: 4.0%, 17.4%; 95% CI: 126 g/L, 135 g/L; prevalence of iron deficiency 25.0% (serum ferritin <12 µg/L); mean age 10.1 yrs; 40.4% were girls.

**Reference No:** 2477

**Line note 4** Prevalence of anaemia 39.0% (Hb <110 g/L PW, Hb <120 g/L NPW).

**Line note 5** Prevalence of anaemia 39.1% (Hb <110 g/L PW, Hb <120 g/L NPW).

**Line note 6** Prevalence of anaemia 39.0% (Hb <110 g/L PW, Hb <120 g/L NPW).

**Reference No:** 1771

**General Notes:** *Facility based study (mobile mother and child health clinic) in 12 villages in Samfya District; method: colorimeter.*

**Reference No:** 2232

**General Notes:** *Facility based study (schools).*

**Reference No:** 2233

**General Notes:** *Facility based study (6 antenatal clinics); method: colorimetric method (EEL).*

**Line note 7** Low socioeconomic status.

**Reference No:** 2234

**General Notes:** *Facility based study for PW (hospital); Hb cut-off level PW not according to WHO recommendations (please see 'Key to the data tables').*

**Line note 8** Nurses and University students.

**Line note 9** Prevalence of anaemia 9.5% (Hb <90 g/L).

**Line note 10** Prevalence of anaemia 6.6% (Hb <90 g/L).

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