

**SUDAN (THE)**

Last Updated: 2006-10-27

Level	Date	Region and sample descriptor	Sex	Age (years)	Sample size	Haemoglobin (g/L)						Reference	Notes				
						Proportion (%) of population with haemoglobin below:							Mean	SD	Method	General	Line
						70	100	110	115	120	130						
S	1995	Women by state: S. Dafur	F	NS	150					39.2			1443	*	1		
		Women by state: Gezira	F	NS	150					55.6							
		Women by state: Kassala	F	NS	150					37.4							
		Women by state: N. Kordofan	F	NS	150					44.9							
		Women by state: Red Sea	F	NS	150					56.4							
		Women by state: Nahr El Neil	F	NS	150					53.1							
		Children by state: South Dafur	B	0.50- 4.99	300			86.4									
		Children by state: Gezira	B	0.50- 4.99	300			82.9									
		Children by state: Kassala	B	0.50- 4.99	300			81.7									
		Children by state: N. Kordofan	B	0.50- 4.99	300			90.8									
		Children by state: Red Sea	B	0.50- 4.99	300			89.1									
		Children by state: Nahr El Neil	B	0.50- 4.99	300			92.1									
		R	1994	Southern Blue Nile area: Pre-SAC	B	1.00- 6.99	170			68.0		88.0				102	17

## NOTES

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**Reference No:** 1443

**General Notes:** *Survey in 6 states; Hb determination only for subsample.*

**Line note 1** Women include PW and LW; Hb cut-off levels PW not according to WHO recommendations (please see 'Key to the data tables').

**Reference No:** 1553

**General Notes:** *Hb determination only for subsample (every fifth child).*

**Line note 2** Disaggregated data by sex, urban/rural area, distance from Nile, cardinal points.

## REFERENCES

### SUDAN (THE)

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- Reference 1443** Federal Ministry of Health, National Nutrition Department, WHO, Ministries of Health, Nutrition Departments Kassala - S. Darfur - N. Kordofan - Red Sea -Gezira -& Nahr El Neil States. Comprehensive Nutrition Survey. Khartoum, Federal Ministry of Health, National Nutrition Department, 1997.
- Reference 1553** Elnour A, Hambraeus L, Eltom M, Dramaix M, Bourdoux P. Endemic goiter with iodine sufficiency: a possible role for the consumption of pearl millet in the etiology of endemic goiter. American Journal of Clinical Nutrition, 2000, 71 :59-66.

## ADDITIONAL REFERENCES

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- Reference 953 Krawinkel M, Bethge M, El Karib AO et al. Prevalence of anemia and iron deficiency in mothers and their newborn children in Wad Medani, Sudan. 1989.
- Reference 2893 Omer A, el-Shazali H, el-Karim OA, el-Hassan AM. Studies on the anaemia of kwashiorkor and marasmus in the Sudan. Journal of Tropical Pediatrics and Environmental Child Health, 1973, 19 :91-97.
- Reference 4931 Adam I, El-Ghazali G, Mohamedin M, Elbashir MI. Anemia in pregnant Sudanese women: community based study. Saudi Medical Journal, 2004, 25 :1119-1120.