

PAPUA NEW GUINEA

Last Updated: 2005-12-12

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						
L	1995 -1996	Port Moresby: PW	F	NS	997			58.5				106	17	NS	2275	*	
L	1987 -1992	Port Moresby: PW	F	NS	22405	0.6		34.8				100	17	NS	2443	*	
L	1987 -1988	West Sepik: Au women: Total	F	NS	259							86	16	A	2316	*	1
		West Sepik: Au women by physiological status: NP	F	NS	213					97.7		88	15				
		West Sepik: Au women by physiological status: PW	F	NS	46			100.0				75	18				
L	1986 -1988	Goroka: PW: Total	F	NS	3760	0.7		29.2						A	3183	*	
		Goroka: PW: Primiparae	F	NS	1386	0.8		29.6									
		Goroka: PW: Multiparae	F	NS	2374	0.7		29.0									
		Madang: PW: Total	F	NS	1935	17.2		89.1									
		Madang: PW: Multiparae	F	NS	1398	16.5		89.0									
L	1986 -1987	Madang: NPW: Nulliparae	F	NS	98			55.0				104	17	A	2317	*	2
		Madang: NPW: Multiparae	F	NS	237			66.0				102	15				3
		Madang: PW: Primigravidae	F	NS	60			93.3				86					
		Madang: PW: Multigravidae	F	NS	234			94.4				87					
L	1986	4 Gidra-speaking villages: NPW	F	16.00-NS	113					8.8		137	14	A	2405	*	4
		4 Gidra-speaking villages: Men	M	16.00-NS	93					8.6		148	15				5
L	1985	Port Moresby: PW: Total	F	NS	600			80.6						D	4989	*	6
		Port Moresby: PW by gestational age: 8-19 wks	F	NS	83							106	16				7
		Port Moresby: PW by gestational age: 20-23 wks	F	NS	85							94	14				8
		Port Moresby: PW by gestational age: 24-27 wks	F	NS	98							93	15				9
		Port Moresby: PW by gestational age: 28-31 wks	F	NS	125							99	15				10
		Port Moresby: PW by gestational age: 32-35 wks	F	NS	155							99	15				11
		Port Moresby: PW by gestational age: 36-40 wks	F	NS	139							103	16				12
		Port Moresby: PW by pregnancy number: 0	F	NS	198							95	17				13
		Port Moresby: PW by pregnancy number: 1	F	NS	135							97	14				14
		Port Moresby: PW by pregnancy number: 2	F	NS	107							97	15				15
		Port Moresby: PW by pregnancy number: 3	F	NS	78							99	14				16
		Port Moresby: PW by pregnancy number: 4	F	NS	45							95	12				17
		Port Moresby: PW by pregnancy number: >4	F	NS	37							95	16				18

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						Proportion (%) of population with haemoglobin below:							Mean	SD	Method	General	Line
						70	100	110	115	120	130						
D	1973 P	Morobe District: Women	F	16.00-NS	352					67.0	108	23	D	2093	*	19	
		Morobe District: Men	M	16.00-NS	282					127	24	20					
		Morobe District: Children	B	2.00- 15.99	461			56.0		108	22	21					
L	1968 -1969	Kar Kar: Women	F	NS	214					93.0	98	17	D	4120	*		
		Kar Kar: Men	M	NS	213					107	19	22					
		Kar Kar: Children	B	2.00- 14.99	192			91.0		97	14						
		Lufa: Women	F	NS	203				21.0	139	14	23					
		Lufa: Men	M	NS	199					154	16	24					
		Lufa: Children	B	2.00- 14.99	201					131	18	25					

NOTES

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Reference No: 2275

General Notes: *Facility based study (hospital); Hb values of first antenatal visit of all PW (including PW with unknown gestational age).*

Reference No: 2443

General Notes: *Facility based study (hospital); lowest Hb value determined during pregnancy.*

Reference No: 2316

General Notes: *Au (foraging and small-scale horticultural population) living in villages in West Sepik, Sandaun Province.*

Line note 1 Prevalence of anaemia 98.1% (Hb <110 g/L PW, Hb <120 g/L NPW).

Reference No: 3183

General Notes: *Facility based study (hospitals); routinely collected hospital data of PW at delivery.*

Reference No: 2317

General Notes: *Facility based study (maternal child health clinic) in 17 villages north of Madang; Hb values PW at first visit; sampling of NPW not explained.*

Line note 2 Hb cut-off levels NPW not according to WHO recommendations (please see 'Key to the data tables').

Line note 3 Hb cut-off levels NPW not according to WHO recommendations (please see 'Key to the data tables').

Reference No: 2405

General Notes: *Study in 4 of 13 villages Gidra-speaking villages in Western Province representing 4 ecological zones.*

Line note 4 Disaggregated data by village.

Line note 5 Disaggregated data by village.

Reference No: 4989

General Notes: *Facility based study (5 antenatal clinics) in Port Moresby and around the city; method: oxyhaemoglobin in a Corning Colorimeter 252 or Coulter Hemo-W Counter; sampling 600 pregnant were selected consecutively; discrepancy between total sample size and sum of sample sizes for disaggregated data by gestational age; inclusion of subjects who delivered early in 1985; Hb determination at first visit and again at 28 wks and 36 wks gestation; all subjects were given iron supplements; values for other Hb cut-off levels.*

Line note 6 Lowest Hb level recorded during pregnancy; disaggregated data by subject's region of birth.

Line note 7 Only mean Hb values.

Line note 8 Only mean Hb values.

Line note 9 Only mean Hb values.

Line note 10 Only mean Hb values.

Line note 11 Only mean Hb values.

Line note 12 Only mean Hb values.

Line note 13 Only mean Hb values; lowest Hb value recorded during pregnancy.

Line note 14 Only mean Hb values; lowest Hb value recorded during pregnancy.

Line note 15 Only mean Hb values; lowest Hb value recorded during pregnancy.

- Line note 16** Only mean Hb values; lowest Hb value recorded during pregnancy.
Line note 17 Only mean Hb values; lowest Hb value recorded during pregnancy.
Line note 18 Only mean Hb values; lowest Hb value recorded during pregnancy.

Reference No: 2093

General Notes: *Study in 12 different villages in the Morobe District, the Upper Watut Valley; method: oxyhaemoglobin method; sampling: all inhabitants aged >=3 yrs who presented (n=1095, representing 42% of the total population), having been given prior warning, were examined; altitude 3300-5200 feet above sea level; Hb cut-off levels children 2-4 yrs, 12-15 yrs, males >15 yrs not according to WHO recommendations (please see 'Key to the data tables'); disaggregated data by altitude, grade of splenomegaly.*

- Line note 19** Prevalence of severe anaemia 3.7% (Hb <60 g/L).
Line note 20 Prevalence of anaemia 69.0% (Hb <140 g/L); prevalence of severe anaemia 1.1% (Hb <60 g/L).
Line note 21 Prevalence of severe anaemia 2.2% (Hb <60 g/L).

Reference No: 4120

General Notes: *Study on a village population at sea level (in Kaul, a village on the northern end of Kar Kar Island) and on a highland population (villages of Rapiakavena and Auno, in the Lufa Subdistrict in the Eastern Highlands); method: oxyhaemoglobin; sampling: design not explained, approximately 600 subjects from each population were studied; values for other Hb cut-off levels; Hb cut-off levels not according to WHO recommendations (please see 'Key to the data tables').*

Line note 22 Prevalence of anaemia 97.0% (Hb <140 g/L).

- Line note 23** Adjustment for altitude (1829-1981 meter).
Line note 24 Prevalence of anaemia 37.0% (Hb <150 g/L); adjustment for altitude (1829-1981 meter).
Line note 25 Prevalence of anaemia 38.0% (Hb <125 g/L); adjustment for altitude (1829-1981 meter).

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