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Last Updated: 2006-10-31

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						
D	2000	Francisco de Orella and Sachas: SAC: Total	B	5.00- 14.99	592			16.6				120	11	A	3673	*	
		Francisco de Orella and Sachas: SAC by sex	F	5.00- 14.99	278			15.8				120	10				
		Francisco de Orella and Sachas: SAC by sex	M	5.00- 14.99	314			17.2				120	11				
		Francisco de Orella and Sachas: SAC by age	B	5.00- 6.99	87			24.1				117	10				
		Francisco de Orella and Sachas: SAC by age	B	7.00- 8.99	165			23.0				118	11				
		Francisco de Orella and Sachas: SAC by age	B	9.00- 10.99	165			10.3				121	10				
		Francisco de Orella and Sachas: SAC by age	B	11.00- 12.99	140			15.0				122	11				
		Francisco de Orella and Sachas: SAC by age	B	13.00- 14.99	35			2.9				127	11				
S	1993	5 Provinces: Pre-SAC: Total	B	1.00- 4.99	1486			37.8			114	12	B	64	*		
		5 Provinces: Pre-SAC by age	B	1.00- 1.99	NS			61.8									
		5 Provinces: Pre-SAC by age	B	2.00- 2.99	NS			40.3									
		5 Provinces: Pre-SAC by age	B	3.00- 3.99	NS			32.0									
		5 Provinces: Pre-SAC by age	B	4.00- 4.99	NS			20.5									
		Pre-SAC by province: Cotopaxi	B	1.00- 4.99	NS			47.0									
		Pre-SAC by province: Chimborazo	B	1.00- 4.99	NS			40.2									
		Pre-SAC by province: Esmeraldas	B	1.00- 4.99	NS			34.0									
		Pre-SAC by province: Azuay	B	1.00- 4.99	NS			37.4									
		Pre-SAC by province: Manabi	B	1.00- 4.99	NS			35.7									
R	1988 P	Urban lowland: Adults	B	15.00- 58.99	1000								D	1891	*	1	
		Urban highland: Adults	B	16.00- 64.99	1000										2		
		Rural lowland: All	B	6.00- 65.99	426										3		
		Rural lowland: All	B	2.00- 75.99	226										4		

NOTES

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Reference No: 3673

General Notes: *Facility based study (17 schools) in 2 cantons (Francisco de Orellana, Sachas) in Orellana Province, Amazon Region; adjustment for altitude; Hb cut-off level not according to WHO recommendations (please see 'Key to the data tables'): 111 g/L assuming 110 g/L adjusted for altitude.*

Reference No: 64

General Notes: *Survey in 5 poorest provinces of Ecuador; adjustment for altitude.*

Reference No: 1891

General Notes: *Survey covering 4 groups living in different areas and altitude; method: automatic counter Hyland; adjustment for altitude.*

Line note 1 Guayaquil, working population, 618 men and 382 women; prevalence of anaemia 5.5% (Hb <110 g/L PW, Hb <120 g/L women, Hb <130 g/L men).

Line note 2 Quito, working population, 637 men and 363 women; prevalence of anaemia 2.7% (Hb <110 g/L PW, Hb <120 g/L NPW, Hb <130 g/L men).

Line note 3 La Concordia, 120 km northwest of Quito, 190 men and 236 women; prevalence of anaemia 31.4% (Hb <110 g/L PW, Hb <120 g/L NPW, males <15 yrs, Hb <130 g/L males >=15 yrs).

Line note 4 Tabacundo, 80 km north of Quito, 93 men and 130 women; prevalence of anaemia 5.5% (Hb <110 g/L PW, Hb <120 g/L NPW, males <15 yrs, Hb <130 g/L males >=15 yrs).

REFERENCES

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- Reference 3673** Quizhpe E, San Sebastián M, Hurtig AK, Llamas A. Prevalencia de anemia en escolares de la zona amazónica de Ecuador [Prevalence of anemia in schoolchildren in the Amazon area of Ecuador]. Revista Panamericana de Salud Pública/Pan American Journal of Public Health, 2003, 13 :355-361.

ADDITIONAL REFERENCES

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