

**ARGENTINA**

Last Updated: 2007-03-02

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	2000	Buenos Aires: PW	F	NS	1218			16.1				118	55	NS	3621	*	
S	1998	Provincia de Chaco: Children: Total	B	0.50- 2.07	399			66.4						A	3863	*	
		Provincia de Chaco: Children by sex	F	0.50- 2.07	192			60.9									
		Provincia de Chaco: Children by sex	M	0.50- 2.07	207			71.5									
		Provincia de Chaco: Children by age	B	0.50- 0.74	79			64.6			106	12					
		Provincia de Chaco: Children by age	B	0.75- 0.99	74			68.9			102	13					
		Provincia de Chaco: Children by age	B	1.00- 1.49	134			67.2			101	14					
		Provincia de Chaco: Children by age	B	1.50- 2.07	112			65.2			101	15					
		Provincia de Chaco: Children by area: Urban	B	0.50- 2.07	319			66.8									
		Provincia de Chaco: Children by area: Rural	B	0.50- 2.07	80			65.0									
S	1998	Chaco: PW: Total	F	NS	359			27.5						A	4461		1
		Chaco: PW by gestational age: 1st trimester	F	NS	69			17.4			118	11					
		Chaco: PW by gestational age: 2nd trimester	F	NS	170			26.5			114	10					
		Chaco: PW by gestational age: 3rd trimester	F	NS	120			35.8			112	12					
		Chaco: PW by area: Urban	F	NS	299			26.1									
		Chaco: PW by area: Rural	F	NS	60			36.6									
L	1993 -1994	Ushuaia: NPW	F	NS	82					10.3	133	12		A	807	*	
		Ushuaia: PW	F	NS	75						116	17					2
		Ushuaia: Men	M	NS	60						149	11					3
		Ushuaia: Children by age	B	0.75- 1.99	128			20.6			116	11					
		Ushuaia: Children by age	B	2.00- 5.99	161			10.8			123	11					
		Ushuaia: Children by age	B	6.00- 11.99	169						130	10					4
		Ushuaia: Children by age	B	12.00- 18.99	174						136	12					5
S	1986	Misiones: Pre-SAC: Total	B	0.75- 2.99	399			55.0			106	12		A	4465	*	
		Misiones: Pre-SAC by age	B	0.75- 0.99	NS			71.4									
		Misiones: Pre-SAC by age	B	1.00- 1.24	NS			68.3									
		Misiones: Pre-SAC by age	B	1.25- 1.49	NS			60.0									
		Misiones: Pre-SAC by age	B	1.50- 1.74	NS			42.9									
		Misiones: Pre-SAC by age	B	1.75- 2.99	NS			42.4									
		Misiones: Pre-SAC by area: Urban	B	0.75- 2.99	NS			49.5									
		Misiones: Pre-SAC by area: Rural	B	0.75- 2.99	NS			60.2									

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						70	100	110	115	120	130						
L	1985	Greater Buenos Aires: NPW	F	16.00- 44.99	184					27.7		126	13	C	2727	*	
L	1985	Greater Buenos Aires: Pre-SAC	B	0.75- 2.99	384			48.4				108	15	A	885	*	

## NOTES

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**Reference No:** 3621

**General Notes:** *Facility based study (first antenatal visit at outpatient clinic); exclusion of PW with previous pathology or use of drug and supplements.*

**Reference No:** 3863

**General Notes:** *Sampling: 1. systematic sampling of 44 census centres with probability proportionate to size; 2. random sampling of 10 families with children aged 6-24 months in each census centre, n=414 children were enrolled; Hb determination only for subsample (n=399); values for other Hb cut-off levels.*

**Reference No:** 4461

**Line note 1** Disaggregated data by age.

**Reference No:** 807

**General Notes:** *Hb cut-off levels adapted from reference No. 3320.*

**Line note 2** Prevalence of anaemia 38.6% (Hb cut-off levels not defined).

**Line note 3** Prevalence of anaemia 15.8% (Hb <140 g/L).

**Line note 4** Prevalence of anaemia 10.2% (Hb <115 g/L 6-9 yrs, Hb <120 g/L 10-11 yrs).

**Line note 5** Prevalence of anaemia 11.7% (Hb <120 g/L females, Hb <125 g/L boys 12-14 yrs, Hb <130 g/L males 15-18 yrs).

**Reference No:** 4465

**General Notes:** *Date adapted from reference No. 3318; survey representative for north-eastern Province of Misiones.*

**Reference No:** 2727

**General Notes:** *NPW 9-24 months after delivery; mothers of children surveyed in reference No. 885; assuming same date as reference No. 885.*

**Reference No:** 885

**General Notes:** *Date adapted from reference No. 3318; Hb determination only for subsample.*

## REFERENCES

### ARGENTINA

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- Reference 807** Centro de Estudios Sobre Nutricion Infantil. Proyecto tierra del fuego - diagnostico basal de salud y nutrición [baseline health and nutrition survey]. Argentina, CESNI/Fundación Jorge Macri, 1995.
- Reference 885** Calvo EB, Gnazzo N. Prevalence of iron deficiency in children aged 9-24 months from a large urban area of Argentina. *American Journal of Clinical Nutrition*, 1990, 52 :534-540.
- Reference 2727** Calvo EB, Sosa EM. Iron status in non-pregnant women of child-bearing age living at greater Buenos Aires. *European Journal of Clinical Nutrition*, 1991, 45 :215-220.
- Reference 3621** Marin GH, Fazio P, Rubbo S, Baistrocchi A, Sager G, Gelemur A. Prevalencia de anemia del embarazo y análisis de sus factores condicionantes [Prevalence of anaemia in pregnancy and analysis of the underlying factors]. *Atención Primaria*, 2002, 29 :158-163.
- Reference 3863** Morasso M del C, Molero J, Vinocur P, Acosta L, Paccussi N, Raselli S, Falivene G, Viteri FE. Deficiencias de hierro y de vitamina A y prevalencia de anemia en niños y niñas de 6 a 24 meses de edad en Chaco, Argentina [Iron and vitamin A deficiencies and prevalence of anemia in boys and girls between 6 to 24 months of age in Chaco, Argentina]. *Archivos Latinoamericanos de Nutrición*, 2003, 53 :21-27.
- Reference 4461** Morasso Mdel C, Molero J, Vinocur P, Acosta L, Paccussi N, Raselli S, Falivene G, Viteri FE. Deficiencia de hierro y anemia en mujeres embarazadas en Chaco, Argentina [Iron deficiency and anemia in pregnant women from Chaco, Argentina]. *Archivos Latinoamericanos de Nutrición*, 2002, 52 :336-343.
- Reference 4465** Calvo E, Islam J, Gnazzo N, Ibáñez M, de Martínez CB, de Vacaliuc RS, Quintana EB, Carmuega E. Encuesta nutricional en niños de 2 años de la provincia de misiones, II: indicadores dietéticos y hematológicos. *Archivos Argentinos de Pediatría*, 1987, 85 :260-269.

## ADDITIONAL REFERENCES

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- Reference 792 Calvo E, Islam J, Gnazzo N. Prevalence of anemia in infants 9 to 24 months old in the province of Misiones. Paris, INSERME, 1990 197 :95-98.
- Reference 1899 O'Donnell AM, Carmuega ES, Duran P. Preventing iron deficiency in infants and preschool children in Argentina. Nutrition Reviews, 1997, 55 :189-194.
- Reference 2728 Zago LB, Friedman SM, Slobodianik NH, de Portela ML, Rio ME, Sanahuja JC. Relación entre protoporfirinas libres en glóbulo rojo ingesta habitual de hierro en un grupo de estudiantes de la Universidad de Buenos Aires [Relation between erythrocyte free protoporphyrins and usual iron intake in a group of University of Buenos Aires students]. Archivos Latinoamericanos de Nutrición, 1983, 33 :802-813.
- Reference 3318 Ministerio de Salud. Prevención de anemia en niños y embarazadas en la Argentina. 2001.
- Reference 3320 Dallman PR, Siimes MA. Percentile curves for hemoglobin and red cell volume in infancy and childhood. Journal of Pediatrics, 1979, 94 :26-31.
- Reference 4287 Calvo EB, Galindo AC, Aspnes NB. Iron status in exclusively breast-fed infants. Pediatrics, 1992, 90 :375-379.
- Reference 4533 O'Donnell A, Britos S. Reflexiones y propuestas en la emergencia alimentaria, anexo: información sobre situación alimentaria y nutricional de la población infantil. Archivos Argentinos de Pediatría, 2002, 100 :1-5.
- Reference 5027 Buys MC, Guerra L, Martín B, Torrejón I, Miranda CE, Soderó S. Deficiencia de hierro en mujeres embarazadas y sus recién nacidos [Iron deficiency in pregnant women and their newborns]. Archivos Argentinos de Pediatría, 2001, 99 :392-396.
- Reference 5044 Bejarano IF, Dipierri JE, Alfaro EL, Tortora C, García T, Buys MC. Valores del hematocrito y prevalencia de anemia en escolares jujeños [Hematocrit values and prevalence of anemia in schoolchildren of Jujuy]. Medicina, 2003, 63 :288-292.
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