

CANADA

Last Updated: 2005-11-23

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	2000P	Toronto: Infants	B	0.50- 1.99	103							129	11	A	3738	*	
L	1998 -2000	James Bay: Infants	B	0.75- 0.82	184			25.0						NS	2283	*	
L	1996 -1997	Moncton: PW	F	NS	648			21.4						NS	121	*	1
		Acadian Peninsula: PW	F	NS	294			11.5									2
L	1995 -1998	James Bay: Infants	B	0.67- 0.91	354			31.9				114	11	NS	2387	*	
LU	1994 -1995	4 cities: Infants: Total	B	0.72- 1.27	428			8.0				128		A	4896	*	3
		4 cities: Infants by city: Toronto	B	0.72- 1.27	65			7.7									4
		4 cities: Infants by city: Halifax	B	0.72- 1.27	107			6.5									5
		4 cities: Infants by city: Montreal	B	0.72- 1.27	108			12.1									6
		4 cities: Infants by city: Edmonton	B	0.72- 1.27	148			6.8									7
L	1989 -1991	Nunavik: PW	F	NS	187				22.0	39.0		122		NS	2541	*	
L	1989 -1990	Montreal: Children	B	0.83- 1.24	218			27.0				115	11	C	2390	*	
L	1983 -1986	British Columbia: Adults	B	20.00- 60.99	138							137	1	A	4568	*	8
L	1975 -1976	Montreal: Children by age	B	0.25- 0.32	124			36.5						A	3980	*	
		Montreal: Children by age	B	0.50- 0.57	170			7.0									
		Montreal: Children by age	B	0.75- 0.82	191			3.0									
		Montreal: Children by age	B	1.00- 1.07	190			3.3									
		Montreal: Children by age	B	1.25- 1.32	171			1.1									
		Montreal: Children by age	B	1.50- 1.57	220			1.0									
		Montreal: Children by age	B	2.00- 2.07	183			1.6									
		Montreal: Children by age	B	3.00- 3.07	157			1.0									
N	1970 -1972	Women by age	F	20.00- 39.99	100					6.0		138	12	A	911	*	
		Women by age	F	40.00- 64.99	105					6.7		136	11				
		Women by age	F	65.00- 87.99	98					6.1		140	13				
		PW	F	18.00- 42.99	92							127	11				9
		Men by age	M	20.00- 39.99	95							160	11				10
		Men by age	M	40.00- 64.99	103							157	12				11

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						70	100	110	115	120	130									
N	1970 -1972	Men by age	M	65.00- 90.99	104							151	13	A	911		12			
		Children by age	B	1.00- 4.99	87					5.7		127	9							
		Children by age	B	5.00- 9.99	117							131	10						13	
		Children by sex and age	F	10.00- 19.99	106							137	9							14
		Children by sex and age	M	10.00- 19.99	98							146	13							

NOTES

CANADA

Reference No: 3738

General Notes: *Infants recruited in low-income zones of Toronto; only mean Hb values.*

Reference No: 2283

General Notes: *Survey in Cree villages of James Bay Region.*

Reference No: 121

General Notes: *Facility based study (2 hospitals) in Moncton and Acadian Peninsula in New Brunswick; Hb values from hospital records of women who gave birth between July 1996 and July 1997; gestational age not indicated.*

Line note 1 Disaggregated data by age.

Line note 2 Disaggregated data by age.

Reference No: 2387

General Notes: *Survey in 6 of 9 Cree villages in James Bay Region.*

Reference No: 4896

General Notes: *Study conducted in Toronto, Montreal, Edmonton and Halifax; dates of survey provided by investigator; sampling: random sampling from lists of infants born in the community in each city, 7101 infants were asked to participate of whom 742 accepted, 567 were enrolled and 428 were used in the analysis; inclusion only of fullterm infants aged 8.5-15.5 months; exclusion of subjects who had lived outside of Canada for more than 2 months, had any significant disease, had received a blood transfusion and who had major surgery or a recent infection; values for other Hb cut-off levels.*

Line note 3 Prevalence of iron deficiency anaemia 4.3% (Hb <110 g/L+serum ferritin <=10 µg/L or free erythrocyte protoporphyrin >=100); standard error mean: 2.3 g/L; 51.6% were male infants; ages 8.6-15.2 months.

Line note 4 Prevalence of iron deficiency anaemia 1.5% (Hb <110 g/L+serum ferritin <=10 µg/L or free erythrocyte protoporphyrin >=100).

Line note 5 Prevalence of iron deficiency anaemia 4.7% (Hb <110 g/L+serum ferritin <=10 µg/L or free erythrocyte protoporphyrin >=100).

Line note 6 Prevalence of iron deficiency anaemia 8.4% (Hb <110 g/L+serum ferritin <=10 µg/L or free erythrocyte protoporphyrin >=100).

Line note 7 Prevalence of iron deficiency anaemia 6.1% (Hb <110 g/L+serum ferritin <=10 µg/L or free erythrocyte protoporphyrin >=100).

Reference No: 2541

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

Reference No: 2390

General Notes: *Children from five poorest health districts in Montreal selected from birth registries.*

Reference No: 4568

General Notes: *Study of the Nuxalk Nation living on the west coast of British Columbia; baseline values of intervention study; sampling: all approximately 800 people living in 150 homes on the reserve were enrolled, about 70% of them attended the assessments; Hb determination only for subsample (persons aged >=13 yrs and who volunteered); disaggregated data by sex, age; only mean Hb values.*

Line note 8 Value in SD column represents the error of the mean.

Reference No: 3980

General Notes: *Longitudinal study of children from upper-class families from birth to 36 months of age; facility based study (hospitals); sampling: design not explained, sample was recruited among PW in prenatal gymnastic classes and prenatal clinics, 425 babies were enrolled; exclusion of subjects who were premature babies, either for dates (<38 wks) or for weight (<2400 g), postmature babies (>42 wks) and who had a pathologic diagnosis at birth; Hb determination only for subsample at 3, 6, 9, 12, 15, 18, 24 and 36 months of age; values for other Hb cut-off level; disaggregated data by sex.*

Reference No: 911

General Notes: *Hb cut-off level not according to WHO recommendations (please see 'Key to the data tables').*

Line note 9 Prevalence of anaemia 2.2% (Hb <105 g/L)

Line note 10 Prevalence of anaemia 1.1% (Hb <140 g/L)

Line note 11 Prevalence of anaemia 10.7% (Hb <140 g/L)

Line note 12 Prevalence of anaemia 18.3% (Hb <140 g/L)

Line note 13 Prevalence of anaemia 5.9% (Hb <110 g/L 5 yrs, Hb <115 g/L 6-9 yrs)

Line note 14 Prevalence of anaemia 2.8% (Hb <115 g/L 10-16 yrs, Hb <120 g/L 17-19 yrs)

Line note 15 Prevalence of anaemia 2.0% (Hb <115 g/L 10-12 yrs, Hb <130 g/L 13-16 yrs, Hb <140 g/L 17-19 yrs)

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