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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						
N	1996 -1998	Infants	B	1.00- 1.07	114						115	8	C	3747	*	1	
LU	1984 -1985	Reykjavik: Women	F	30.00- 45.99	333					10.5	131		C	767a	*	2	
		Reykjavik: Men	M	30.00- 45.99	372					1.4	151						3
LU	1983	Reykjavik: Women	F	25.00- 74.99	535					6.9	134		C	767b	*	4	
		Reykjavik: Men	M	25.00- 74.99	479					1.8	151						5
DR	1983	Arnessysla: Women	F	25.00- 74.99	427					1.9	137		C	767c	*	6	
		Arnessysla: Men	M	25.00- 74.99	446					0.9	152						7

NOTES

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Reference No: 3747

General Notes: *Longitudinal observational nationwide study; facility based study (4 maternity wards around Iceland); dates of survey provided by investigator; sampling: over a period of 20 months a random sample of newborns (n=180) was drawn, distributed by place and date of birth according to information from Statistics Iceland; inclusion only of subjects who were singleton birth and born after a gestational length of 37-41 wks, who had a birth weight within 10th and 90th percentile, no birth defects or inborn long-term diseases, Icelandic parents and whose mothers had early and regular antenatal care; Hb determination only for subsample (n=114, 63%) at 12 months of age; Hb cut-off level not according to WHO recommendations (please see 'Key to the data tables').*

Line note 1 Prevalence of anaemia 8.8% (Hb <105 g/L); prevalence of iron deficiency anaemia 2.7% (Hb <105 g/L+serum ferritin <12 µg/L+mean corpuscular volume <74 fL); disaggregated data by cow's milk consumption.

Reference No: 767a

General Notes: *Sampling: the study population consisted of 4240 individuals divided into two groups participating in epidemiological studies, the first group (see reference No. 767b) consisted of 3000 individuals randomly selected from the 1982 National Roster (urban Reykjavik n=1500; reference No. 767b, rural county Arnessysla n=1500; reference No. 767c), the second group consisted of young adults (571 women, 669 men) living in Reykjavik; Hb determination only for subsample (705 out of 1240).*

Line note 2 Prevalence of iron deficiency anaemia 3.3% (Hb <120 g/L+serum ferritin <12 µg/L+total iron binding capacity saturation <16%); 95% CI: 110 g/L, 151 g/L; median Hb: 132 g/L; mean age 37.0 yrs.

Line note 3 Prevalence of iron deficiency anaemia 0.0% (Hb <130 g/L+serum ferritin <12 µg/L+total iron binding capacity saturation <16%); 95% CI: 133 g/L, 168 g/L; median Hb: 151 g/L; mean age 36.7 yrs.

Reference No: 767b

General Notes: *Sampling: the study population consisted of 4240 individuals divided into two groups participating in epidemiological studies, the first group consisted of 3000 individuals randomly selected from the 1982 National Roster (urban Reykjavik n=1500; reference No. 767b, rural county Arnessysla n=1500; reference No. 767c), the second group consisted of young adults (571 women, 669 men) living in Reykjavik (see reference No. 767a); Hb determination only for subsample (1014 out of 1500).*

Line note 4 Prevalence of iron deficiency anaemia 1.3% (Hb <120 g/L+serum ferritin <12 µg/L+total iron binding capacity saturation <16%); 95% CI: 112 g/L, 154 g/L; median Hb: 135 g/L; mean age 49.6 yrs.

Line note 5 Prevalence of iron deficiency anaemia 0.2% (Hb <130 g/L+serum ferritin <12 µg/L+total iron binding capacity saturation <16%); 95% CI: 133 g/L, 169 g/L; median Hb: 151 g/L; mean age 51.0 yrs.

Reference No: 767c

General Notes: *Sampling: the study population consisted of 4240 individuals divided into two groups participating in epidemiological studies, the first group consisted of 3000 individuals randomly selected from the 1982 National Roster (urban Reykjavik n=1500; reference No. 767b, rural county Arnessysla n=1500; reference No. 767c), the second group consisted of young adults (571 women, 669 men) living in Reykjavik (see reference No. 767a); Hb determination only for subsample (873 out of 1500).*

Line note 6 Prevalence of iron deficiency anaemia 0.0% (Hb <120 g/L+serum ferritin <12 µg/L+total iron binding capacity saturation <16%); 95% CI: 120 g/L, 157 g/L; median Hb: 137 g/L; mean age 50.6 yrs.

Line note 7 Prevalence of iron deficiency anaemia 0.0% (Hb <130 g/L+serum ferritin <12 µg/L+total iron binding capacity saturation <16%); 95% CI: 134 g/L, 170 g/L; median Hb: 152 g/L; mean age 51.7 yrs.

REFERENCES

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- Reference 767** Jonsson JJ, Johannesson GM, Sigfusson N, Magnusson B, Thjodleifsson B, Magnusson S. Prevalence of iron deficiency and iron overload in the adult Icelandic population. *Journal of Clinical Epidemiology*, 1991, 44 :1289-1297.
- Reference 3747** Thorsdottir I, Gunnarsson BS, Atladottir H, Michaelsen KF, Palsson G. Iron status at 12 months of age - effects of body size, growth and diet in a population with high birth weight. *European Journal of Clinical Nutrition*, 2003, 57 :505-513.

ADDITIONAL REFERENCES

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- Reference 4316 Björnsson OJ, Davidsson D, Filippusson H, Olafsson O, Sigfússon N, Thorsteinsson T. Distribution of haematological, serum and urine values in a general population of middle-aged men; the Reykjavik Study. *Scandinavian Journal of Social Medicine*, 1984, (Suppl 32):1-12.
- Reference 4737 Gunnarsson BS, Thorsdottir I, Palsson G. Iron status in 2-year-old Icelandic children and associations with dietary intake and growth. *European Journal of Clinical Nutrition*, 2004, 58 :901-906.