

SWEDEN
Last Updated: 2007-01-02

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	1997 -1998	Umeå: Infants	B	0.30	83							119	7	B	1491	*	1
L	1994 -1996	Solna: PW by gestational age: 11 wks	F	20.00- 45.99	220							130		B	3833	*	2
L		Solna: PW by gestational age: 36 wks	F	20.00- 45.99	157							121					*
L	1993 -1994	Trollhättan: Adolescents by sex	F	15.00- 15.99	103							135	7	D	768	*	4
L		Trollhättan: Adolescents by sex	M	15.00- 15.99	84							145	9				
L	1990	Göteborg: SAC by sex	F	15.00- 16.99	216							134	8	D	1003	*	6
L		Göteborg: SAC by sex	M	15.00- 16.99	203							147	8				
L	1989 -1990	Göteborg: Elderly by sex	F	88.00- 88.99	244					9.3		135		D	600h	*	8
L		Göteborg: Elderly by sex	M	88.00- 88.99	100						28.3	138					
L	1986 -1987	Göteborg: Elderly by sex	F	85.00- 85.99	607					8.5		135		D	600a	*	10
L		Göteborg: Elderly by sex	M	85.00- 85.99	291						15.2	140					
L	1984 -1985	Göteborg: Elderly by sex	F	83.00- 83.99	180					10.0		133		D	600b	*	12
L		Göteborg: Elderly by sex	M	83.00- 83.99	106						17.0	139					
L	1983 -1984	Göteborg: Elderly by sex	F	82.00- 82.99	215					7.9		134		D	600c	*	14
L		Göteborg: Elderly by sex	M	82.00- 82.99	125						18.4	141					
L	1982 -1983	Göteborg: Elderly by sex	F	81.00- 81.99	259					9.0		134		D	600d	*	16
L		Göteborg: Elderly by sex	M	81.00- 81.99	145						13.1	141					
L	1981 -1982	Göteborg: Elderly: Total	B	75.00- 75.99	486									C	135	*	18
L		Göteborg: Elderly by sex	F	75.00- 75.99	281					3.2							
L		Göteborg: Elderly by sex	M	75.00- 75.99	205						6.3						
L	1980 -1981	Göteborg: Elderly by sex	F	79.00- 79.99	328					8.4		136		C	600e	*	19
L		Göteborg: Elderly by sex	M	79.00- 79.99	209						15.5	144					
L	1976 -1977	Göteborg: Elderly by sex	F	75.00- 75.99	412					7.6		136		C	600f	*	21
L		Göteborg: Elderly by sex	M	75.00- 75.99	331						12.4	144					

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						Proportion (%) of population with haemoglobin below:							Mean	SD	Method	General	Line
						70	100	110	115	120	130						
L	1971 -1972	Göteborg: Elderly by sex Göteborg: Elderly by sex	F M	70.00- 70.99 70.00- 70.99	524 449					4.2 5.6	139 149		A	600g	*	23 24	

NOTES

SWEDEN

Reference No: 1491

General Notes: Facility based study (Umeå University Hospital); study in two sites (San Pedro Sula, Honduras; Umeå, Sweden); baseline values of intervention study; SD value and sample size adapted from reference No. 4004; sampling: 400 out of 1.100 contacted were eligible, 121 entered the study, 101 remained in study until 6 months and were included in analysis; inclusion only of subjects born at term (≥ 37 wks), with birth weight >2500 g, no chronic disease, maternal age ≥ 16 yrs, exclusive breastfeeding (BF) at 4 months, mother intended to exclusive BF to 6 months and to BF to ≥ 9 months.

Line note 1 Only mean Hb values; disaggregated data by intervention.

Reference No: 3833

General Notes: Facility based study (3 Antenatal Care Units); sampling: all PW who met the inclusion criteria were invited to participate, 254 out of 618 subjects were enrolled; sample sizes provided by investigator; venous blood samples were drawn twice for serum ferritin and serum transferrin receptor determination and data on Hb in capillary blood were obtained from ACU file at two time points during pregnancy (at median 11 and at median 36 wks); exclusion of Hb samples for which the sampling dates for Hb and serum were more than 8 days; inclusion only of PW who had their first appointment at one of the ACU and who were knowledgeable in Swedish language; adjustment for capillary blood (Hb <105 g/L instead of Hb <110 g/L).

Line note 2 Prevalence of anaemia 0.9% (Hb <105 g/L); interquartile range: 123 g/L, 138 g/L.

Line note 3 Prevalence of anaemia 7.1% (Hb <105 g/L); interquartile range: 112 g/L, 128 g/L.

Reference No: 768

General Notes: Study part of a longitudinal study; method: Technicon H2 equipment; sampling: two cohorts were randomly selected from the official population register in the counties of Uppsala and Älvsborg (62% and 78% participated respectively); exclusion of subjects with chronic diseases, who were living outside the city areas or abroad and who were not of Swedish origin; Hb determination only for subjects from Trollhättan, Älvsborg (187 of 202); only mean Hb values.

Line note 4 Prevalence of iron deficiency 15.5% (serum ferritin <12 $\mu\text{g/L}$); range: 119 g/L, 154 g/L.

Line note 5 Prevalence of iron deficiency 2.3% (serum ferritin <12 $\mu\text{g/L}$); range: 124 g/L, 166 g/L.

Reference No: 1003

General Notes: Facility based study (four schools) in different areas in Göteborg; method: Technicon H2 equipment; sampling: all pupils of 9th grade were selected, 220 of 255 girls (86%) and 207 of 260 boys (80%) accepted to participate; only mean Hb values.

Line note 6 Prevalence of iron deficiency 40.0% (serum ferritin <16 $\mu\text{g/L}$; n=220).

Line note 7 Prevalence of iron deficiency 15.0% (serum ferritin <16 $\mu\text{g/L}$; n=207).

Reference No: 600h

General Notes: Longitudinal study "70-yr-old people in Göteborg" was initiated in 1971-1972, cohort was re-examined at age 75, 79, 81, 82 and 83; study linked to study of reference No. 135; sampling: systematic sampling of 30% of the 70-yr-old population in Göteborg, when the cohort reached the age of 85, all survivors from the 2/3 of the 70-yr-olds in Göteborg who had not been invited to participate in the original sample were also asked to join; method: Technicon flowcytometer equipment; Hb determination at age 88 for subsample of the cohort examined at age 85 yr.

Line note 8 95% CI: 108 g/L, 165 g/L.

Line note 9 95% CI: 107 g/L, 162 g/L.

Reference No: 600a

General Notes: Longitudinal study "70-yr-old people in Göteborg" was initiated in 1971-1972, cohort was re-examined at age 75, 79, 81, 82 and 83; study linked to study of reference No. 135; method: Technicon flowcytometer equipment; sampling: systematic sampling of 30% of the 70-yr-old population in Göteborg, when the cohort reached the age of 85, all survivors from the 2/3 of the 70-yr-olds in Göteborg who had not been invited to participate in the original sample were also asked to join.

Line note 10 95% CI: 108 g/L, 159 g/L.

Line note 11 95% CI: 106 g/L, 166 g/L.

Reference No: 600b

General Notes: *Longitudinal study "70-yr-old people in Göteborg" was initiated in 1971-1972, cohort was re-examined at age 75, 79, 81, 82 and 83; study linked to study of reference No. 135; method: Technicon flowcytometer equipment; sampling: systematic sampling of 30% of the 70-yr-old population in Göteborg.*

Line note 12 95% CI: 110 g/L, 159 g/L.

Line note 13 95% CI: 114 g/L, 156 g/L.

Reference No: 600c

General Notes: *Longitudinal study "70-yr-old people in Göteborg" was initiated in 1971-1972, cohort was re-examined at age 75, 79, 81, 82 and 83; study linked to study of reference No. 135; method: Technicon flowcytometer equipment; sampling: systematic sampling of 30% of the 70-yr-old population in Göteborg.*

Line note 14 95% CI: 107 g/L, 160 g/L.

Line note 15 95% CI: 116 g/L, 159 g/L.

Reference No: 600d

General Notes: *Longitudinal study "70-yr-old people in Göteborg" was initiated in 1971-1972, cohort was re-examined at age 75, 79, 81, 82 and 83; study linked to study of reference No. 135; method: Technicon flowcytometer equipment; sampling: systematic sampling of 30% of the 70-yr-old population in Göteborg.*

Line note 16 95% CI: 109 g/L, 155 g/L.

Line note 17 95% CI: 116 g/L, 163 g/L.

Reference No: 135

General Notes: *Study linked to study of reference No. 600; sampling: design not explained, a cohort II of 70-yr-olds were examined in 1976-1977 (n=1.281, participation rate 81%), surviving persons from this cohort were re-examined at age 75 (n=768, participation rate 85%).*

Line note 18 Prevalence of anaemia 4.5% (Hb <120 g/L females, Hb <130 g/L males).

Reference No: 600e

General Notes: *Longitudinal study "70-yr-old people in Göteborg" was initiated in 1971-1972, cohort was re-examined at age 75, 79, 81, 82 and 83; study linked to study of reference No. 135; sampling: systematic sampling of 30% of the 70-yr-old population in Göteborg.*

Line note 19 95% CI: 110 g/L, 162 g/L.

Line note 20 95% CI: 116 g/L, 174 g/L.

Reference No: 600f

General Notes: *Longitudinal study "70-yr-old people in Göteborg" was initiated in 1971-1972, cohort was re-examined at age 75, 79, 81, 82 and 83; study linked to study of reference No. 135; sampling: systematic sampling of 30% of the 70-yr-old population in Göteborg.*

Line note 21 95% CI: 113 g/L, 158 g/L.

Line note 22 95% CI: 115 g/L, 168 g/L.

Reference No: 600g

General Notes: *Longitudinal study "70-yr-old people in Göteborg" was initiated in 1971-1972, cohort was re-examined at age 75, 79, 81, 82 and 83; study linked to study of reference No. 135; sampling: systematic sampling of 30% of the 70-yr-old population in Göteborg.*

Line note 23 95% CI: 114 g/L, 160 g/L.

Line note 24 95% CI: 120 g/L, 173 g/L.

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