

**GREECE**
**Last Updated: 2005-08-11**

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						
LU	1997 -2001	Athens: Children	B	1.00- 4.99	127									D	4266	*	1
L	1993 P	Anogia: Elderly by sex and age	F	65.00- 69.99	39							137	17	C	4644	*	
		Anogia: Elderly by sex and age	M	65.00- 69.99	27							143	12				
		Anogia: Elderly by sex and age	F	70.00- 74.99	21							137	13				
		Anogia: Elderly by sex and age	M	70.00- 74.99	15							146	22				
		Anogia: Elderly by sex and age	F	75.00-NS	30							136	15				
		Anogia: Elderly by sex and age	M	75.00-NS	35							145	13				
LU	1991 -1992	Athens: Children	B	1.00- 15.99	250									D	4265	*	2
L	1988 -1989	Markopoulo and Anogia, Archanes: Elderly	B	70.00- 75.99	111									D	3342	*	3
R	1982 P	Six areas: SAC: Total	B	6.00- 17.99	2198									A	2673	*	4
		SAC by area: Euboea	B	6.00- 17.99	458												5
		SAC by area: Chalkis	B	6.00- 17.99	365												6
		SAC by area: Trikala	B	6.00- 17.99	491												7
		SAC by area: Rhodes	B	6.00- 17.99	484												8
		SAC by area: Arta	B	6.00- 17.99	157												9
		SAC by area: Orchomenos	B	6.00- 17.99	243												10
L	1974 p	Athens: Children	B	0.50- 5.99	241				33.6			117	13	A	983a	*	
N	1974 p	Men: Total	M	20.00- 25.99	312							153	11	A	983b	*	11
		Men by socioeconomic status: High	M	20.00- 25.99	100												12
		Men by socioeconomic status: Middle	M	20.00- 25.99	130												13
		Men by socioeconomic status: Low	M	20.00- 25.99	82												14

## NOTES

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**Reference No:** 4266

**General Notes:** *Method: automatic analyzer Abbott Cell-Dyn 1700; sampling: design not explained; no data on anaemia.*

**Line note 1** Prevalence of iron deficiency anaemia 2.4% (Hb <110 g/L+serum ferritin <12 µg/L).

**Reference No:** 4644

**General Notes:** *Study in Anogia, Crete; sampling: all members (n=300) of a social club were invited, 167 signed a written consent and participated (comprised 48% of the elderly population in the village); only mean Hb values.*

**Reference No:** 4265

**General Notes:** *Method: automatic analyzer Abbott Cell-Dyn 1700; sampling: design not explained; same Hb cut-off level applied to different age groups; Hb cut-off level 6-15 yrs not according to WHO recommendations (please see 'Key to the data tables'); no data on anaemia.*

**Line note 2** Prevalence value calculated; prevalence of iron deficiency anaemia 0.4% (Hb <110 g/L+serum ferritin <20 µg/L); disaggregated data by age, sex.

**Reference No:** 3342

**General Notes:** *Euronut SENECA study (Survey in Europe on Nutrition and the Elderly, a Concerted Action) conducted in 19 towns (these were chosen for having a stable population of 10 000 to 20 000 and a socioeconomic structure comparable to that of the region or the country as a whole) situated in 12 European countries; method: Contraves Autolyzer 800/801 and Coulter S; sampling: random sample stratified by sex and age, 145 out of 203 selected subjects were enrolled; inclusion only of elderly subjects born in 1913-1914; participation in blood sampling was not mandatory; Hb determination only for subsample; values for other Hb cut-off levels.*

**Line note 3** Prevalence value calculated; prevalence of anaemia 13.5% (Hb <120 g/L females, Hb <130 g/L males); disaggregated data by sex, city.

**Reference No:** 2673

**General Notes:** *Facility based study (schools) in six different areas of Greece (Euboea, Chalkis, Trikala, Rhodes, Arta, Orchomenos); inclusion only of both sexes up to the age of 12 yrs and males for children aged >12 yrs; exclusion of subjects with one or more inherited red-cell abnormalities (n=705); Hb determination only for subsample (2198 out of 2903).*

**Line note 4** Prevalence of anaemia 20.1% (Hb <110 g/L both sexes 6 yrs, Hb <120 g/L both sexes 7-13 yrs, Hb <130 g/L males 14-16 yrs, Hb <140 g/L males 17 yrs).

**Line note 5** Prevalence of anaemia 10.9% (Hb <110 g/L both sexes 6 yrs, Hb <120 g/L both sexes 7-13 yrs, Hb <130 g/L males 14-16 yrs, Hb <140 g/L males 17 yrs).

**Line note 6** Prevalence of anaemia 7.7% (Hb <110 g/L both sexes 6 yrs, Hb <120 g/L both sexes 7-13 yrs, Hb <130 g/L males 14-16 yrs, Hb <140 g/L males 17 yrs).

**Line note 7** Prevalence of anaemia 17.9% (Hb <110 g/L both sexes 6 yrs, Hb <120 g/L both sexes 7-13 yrs, Hb <130 g/L males 14-16 yrs, Hb <140 g/L males 17 yrs).

**Line note 8** Prevalence of anaemia 34.3% (Hb <110 g/L both sexes 6 yrs, Hb <120 g/L both sexes 7-13 yrs, Hb <130 g/L males 14-16 yrs, Hb <140 g/L males 17 yrs).

**Line note 9** Prevalence of anaemia 38.9% (Hb <110 g/L both sexes 6 yrs, Hb <120 g/L both sexes 7-13 yrs, Hb <130 g/L males 14-16 yrs, Hb <140 g/L males 17 yrs).

**Line note 10** Prevalence of anaemia 19.8% (Hb <110 g/L both sexes 6 yrs, Hb <120 g/L both sexes 7-13 yrs, Hb <130 g/L males 14-16 yrs, Hb <140 g/L males 17 yrs).

**Reference No:** 983a

**General Notes:** *Sampling: design not explained; place of survey adapted from reference No. 2673; inclusion only of apparent healthy subjects who had not had recent infections or did not receive iron medication; Hb determination only for subsample (children: 241 out of 289); low or middle socioeconomic status; disaggregated data by age.*

**Reference No:** 983b

**General Notes:** *Sampling: design not explained, men are army recruits from practically all parts of Greece and they are assumed to be representative of male Greek population; inclusion only of apparent healthy subjects who had not had recent infections or did not receive iron medication; Hb determination only for subsample (men: 312 out of 394); Hb cut-off level not according to WHO recommendations (please see 'Key to the data tables').*

- Line note 11** Prevalence of anaemia 10.5% (Hb <140 g/L).
- Line note 12** Prevalence of anaemia 4.0% (Hb <140 g/L).
- Line note 13** Prevalence of anaemia 9.2% (Hb <140 g/L).
- Line note 14** Prevalence of anaemia 20.7% (Hb <140 g/L).

## REFERENCES

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## ADDITIONAL REFERENCES

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- Reference 4267 Frissiras S, Metaxou-Mavrommati A, Pikramenou A, LAgos P, Kattamis C. 38th Panhellenic Paediatric Congress: Hb, Ht and RBC indices, evaluation of normal range of values in infancy (9-10 months) and early childhood (1-4 years) [unpublished summary data]. 2000.
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