

**ITALY**
**Last Updated: 2005-12-27**

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	1994 P	Chieti: PW by gestational age: 1st trimester	F	NS	88							125		NS	2620	*		
		Chieti: PW by gestational age: 2nd trimester	F	NS	50							115						
		Chieti: PW by gestational age: 3rd trimester	F	NS	246							111						
RU	1985 -1987	Nine cities: Elderly: Total	B	65.00- 95.99	1784									C	4470	*	1	
		Nine cities: Elderly by sex	F	65.00- 95.99	1059					8.8		136	14					
		Nine cities: Elderly by sex	M	65.00- 95.99	725						9.4	148	14					
		Nine cities: Elderly by sex and age	F	65.00- 69.99	259							138	12				2	
		Nine cities: Elderly by sex and age	M	65.00- 69.99	219							149	13				3	
		Nine cities: Elderly by sex and age	F	70.00- 74.99	310							138	13				4	
		Nine cities: Elderly by sex and age	M	70.00- 74.99	241							148	14				5	
		Nine cities: Elderly by sex and age	F	75.00- 79.99	252							134	14				6	
		Nine cities: Elderly by sex and age	M	75.00- 79.99	156							148	14				7	
		Nine cities: Elderly by sex and age	F	80.00- 84.99	142							134	15				8	
		Nine cities: Elderly by sex and age	M	80.00- 84.99	75							146	15				9	
		Nine cities: Elderly by sex and age	F	85.00- 95.99	96							133	16				10	
		Nine cities: Elderly by sex and age	M	85.00- 95.99	34							138	11				11	
L	1984 P	Bologna: Children: Total	B	0.75- 3.07	674									C	4391	*	12	
		Bologna: Children by age	B	0.75- 1.32	121													13
		Bologna: Children by age	B	1.33- 2.07	233													14
		Bologna: Children by age	B	2.08- 3.07	320													15
L	1981	Salerno Region: School-age boys	M	7.58- 10.24	109							134	13	A	3341	*	16	
L	1976 P	Sicily: Elderly: Total	B	65.00-NS	739									C	2606	*	17	
		Sicily: Elderly by sex	F	65.00-NS	295					10.8		132	14				18	
		Sicily: Elderly by sex	M	65.00-NS	444						25.9	138	17				19	
L	1976	Perugia: Elderly: Total	B	60.00- 90.99	305									D	4386	*	20	
		Perugia: Elderly by sex	F	60.00- 90.99	149					3.4							21	
		Perugia: Elderly by sex	M	60.00- 90.99	156												22	

## NOTES

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**Reference No:** 2620

**General Notes:** *Facility based study (obstetric clinic of Chieti University); only mean Hb values.*

**Reference No:** 4470

**General Notes:** *This investigation presents the results of two cross-sectional studies: 1. INESE (Italian Nutrition Examination Survey on the Elderly) in five towns in five Italian regions, Budrio (Emilia-Romagna) and Ponte San Nicolò (Veneto) in north-eastern Italy, Bernareggio (Lombardia) in north-western Italy, Sezze (Lazio) in central Italy and Melito (Campania) in southern Italy; 2. VENSE (Veneto Examination Nutrition Survey on the Elderly) in four towns (Padova, Belluno, Chioggia, Rovigo) in Veneto Region; sampling: in both studies elderly aged 65-95 yrs were randomly selected using Record Office data and stratified proportional to size according to sex and five-yr age groups, final sample consisted of 2246 out of 2250 subjects (complete data for 1784 subjects); inclusion only of apparently healthy individuals.*

**Line note 1** Prevalence value calculated; prevalence of anaemia 9.0% (Hb <120 g/L females, Hb <130 g/L males).

**Line note 2** Only mean Hb values.

**Line note 3** Only mean Hb values.

**Line note 4** Only mean Hb values.

**Line note 5** Only mean Hb values.

**Line note 6** Only mean Hb values.

**Line note 7** Only mean Hb values.

**Line note 8** Only mean Hb values.

**Line note 9** Only mean Hb values.

**Line note 10** Only mean Hb values.

**Line note 11** Only mean Hb values.

**Reference No:** 4391

**General Notes:** *Facility based study (kindergarten) in Bologna-Nord; sampling: design not explained; sample representative for the infant population aged 9-36 months in Bologna in terms of nutritional, socioeconomic and health status; inclusion only of apparently healthy children.*

**Line note 12** Prevalence of iron deficiency anaemia 2.1% (Hb <110 g/L+serum ferritin <10 µg/L+free erythrocyte protoporphyrin: Hb >3 µg/g).

**Line note 13** Prevalence of iron deficiency anaemia 5.0% (Hb <110 g/L+serum ferritin <10 µg/L+free erythrocyte protoporphyrin: Hb >3 µg/g).

**Line note 14** Prevalence of iron deficiency anaemia 1.7% (Hb <110 g/L+serum ferritin <10 µg/L+free erythrocyte protoporphyrin: Hb >3 µg/g).

**Line note 15** Prevalence of iron deficiency anaemia 1.3% (Hb <110 g/L+serum ferritin <10 µg/L+free erythrocyte protoporphyrin: Hb >3 µg/g).

**Reference No:** 3341

**General Notes:** *Facility based study (at least 4 schools) in the Salerno region about 200 km south of Naples; sampling: boys were selected through the schools, strict random samples were considered unnecessary; only mean Hb values.*

**Line note 16** Mean (SD) age 9.0 (0.7) yrs.

**Reference No:** 2606

**General Notes:** *Haematological surveys of representative adult population samples were conducted simultaneously in 12 countries all but one of which are in Europe; sampling: random samples of residents over 65 years of age in three small towns in Sicily were taken from a census register; values for other Hb cut-off levels.*

**Line note 17** Prevalence value calculated; prevalence of anaemia 19.9% (Hb <120 g/L females, Hb <130 g/L males).

**Line note 18** Mean (SD) age 67.4 (5.9) yrs.

**Line note 19** Mean (SD) age 67.2 (5.8) yrs.

**Reference No:** 4386

**General Notes:** *Longitudinal study on aged pensioners of the city of Perugia; method: SMA-12/60 Autoanalyzer; sampling: from a larger sample of 2000 individuals, 157 men and 149 women were statistically selected; Hb cut-off level males not according to WHO recommendations (please see 'Key to the data tables'); disaggregated data by age.*

**Line note 20** Prevalence value calculated; prevalence of anaemia 10.8% (Hb <120 g/L females, Hb <140 g/L males).

**Line note 21** Prevalence value calculated.

**Line note 22** Prevalence value calculated; prevalence of anaemia 17.9% (Hb <140 g/L).

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