

**NEW ZEALAND**
**Last Updated: 2006-11-28**

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						
NU	2002	SAC: Total	B	5.00- 14.99	1927							130		D	4381	*	1
		SAC by sex	F	5.00- 14.99	939							129				2	
		SAC by sex	M	5.00- 14.99	988							131				3	
		SAC by sex and age	F	5.00- 6.99	169				5.2			125				4	
		SAC by sex and age	M	5.00- 6.99	211				12.8			124				5	
		SAC by sex and age	F	7.00- 10.99	428							128				6	
		SAC by sex and age	M	7.00- 10.99	448							129				7	
		SAC by sex and age	F	11.00- 14.99	342							132				8	
		SAC by sex and age	M	11.00- 14.99	329							136				9	
LU	1998 -1999	Christchurch, Dunedin and Invercargill: Children: Tot	B	0.50- 2.07	243							114	10	C	3967	*	10
		Christchurch, Dunedin and Invercargill: Children by s	F	0.50- 2.07	104							116	9			11	
		Christchurch, Dunedin and Invercargill: Children by s	M	0.50- 2.07	139							113	10			12	
		Christchurch, Dunedin and Invercargill: Children by s	B	0.50- 0.99	74			49.0				111	9			13	
		Christchurch, Dunedin and Invercargill: Children by s	B	1.00- 2.07	169			22.0				116	10			14	
L	1997 -1999	Hawke's Bay: PW by ethnicity: Maori	F	NS	29							108		D	4951	*	15
		Hawke's Bay: PW by ethnicity: Non-Maori	F	NS	90							117				16	
		Hawke's Bay: Newborns by ethnicity: Maori	B	0.00	20							144				17	
		Hawke's Bay: Newborns by ethnicity: Non-Maori	B	0.00	73							144				18	
S	1997 -1998	Auckland: Students by sex	F	14.00- 21.99	896					11.5				A	3741	*	19
		Auckland: Students by sex	M	14.00- 21.99	748						1.4					20	
		Auckland: Students by sex and ethnicity: Maori	F	14.00- 21.99	125					11.2						21	
		Auckland: Students by sex and ethnicity: Maori	M	14.00- 21.99	109						0.9					22	
		Auckland: Students by sex and ethnicity: Maori	F	14.00- 21.99	121							131				23	
		Auckland: Students by sex and ethnicity: Maori	M	14.00- 21.99	107							149				24	
		Auckland: Students by sex and ethnicity: Pacific Isla	F	14.00- 21.99	431					12.1						25	
		Auckland: Students by sex and ethnicity: Pacific Isla	M	14.00- 21.99	334						1.2					26	
		Auckland: Students by sex and ethnicity: Pacific Isla	F	14.00- 21.99	414							130				27	
		Auckland: Students by sex and ethnicity: Pacific Isla	M	14.00- 21.99	311							149				28	
		Auckland: Students by sex and ethnicity: Asian	F	14.00- 21.99	195					15.9						29	
		Auckland: Students by sex and ethnicity: Asian	M	14.00- 21.99	155						2.6					30	
		Auckland: Students by sex and ethnicity: Asian	F	14.00- 21.99	189							130				31	
		Auckland: Students by sex and ethnicity: Asian	M	14.00- 21.99	150							153				32	
		Auckland: Students by sex and ethnicity: European	F	14.00- 21.99	145					4.2						33	

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						Proportion (%) of population with haemoglobin below:										General	Line	
						70	100	110	115	120	130							
S	1997 -1998	Auckland: Students by sex and ethnicity: European	M	14.00- 21.99	150						0.7			A	3741		34	
		Auckland: Students by sex and ethnicity: European	F	14.00- 21.99	138							135						35
		Auckland: Students by sex and ethnicity: European	M	14.00- 21.99	148							149						36
N	1996 -1997	All: Total	B	16.00-NS	3369							143	17	C	3192	*	37	
		Women: Total	F	16.00-NS	1885							135	13					38
		Men: Total	M	16.00-NS	1484							151	12					39
		Women by age	F	15.00- 18.99	75							134	9					40
		Women by age	F	19.00- 24.99	146							134	11					41
		Women by age	F	25.00- 44.99	867							135	12					42
		Women by age	F	45.00- 64.99	471							136	13					43
		Women by age	F	65.00- 74.99	196							137	11					44
		Women by age	F	75.00-NS	130							133	14					45
		Women by area: Urban	F	16.00-NS	1320							135	11					46
		Women by area: Rural	F	16.00-NS	565							135	14					47
		Women by ethnicity: Maori	F	16.00-NS	262							135	13					48
		Women by ethnicity: Pacific	F	16.00-NS	95							137	15					49
		Women by ethnicity: European and Others	F	16.00-NS	1528							135	12					50
		Men by age	M	15.00- 18.99	68							150	16					51
		Men by age	M	19.00- 24.99	116							153	11					52
		Men by age	M	25.00- 44.99	586							152	10					53
		Men by age	M	45.00- 64.99	463							151	11					54
		Men by age	M	65.00- 74.99	170							150	13					55
		Men by age	M	75.00-NS	81							144	15					56
Men by area: Urban	M	16.00-NS	1001							151	13					57		
Men by area: Rural	M	16.00-NS	483							151	13					58		
Men by ethnicity: Maori	M	16.00-NS	182							151	15					59		
Men by ethnicity: Pacific	M	16.00-NS	71							155	9					60		
Men by ethnicity: European and Others	M	16.00-NS	1231							151	11					61		
L	1996 -1997	Dunedin: NPNLW	F	18.00- 40.99	384					4.4	132		C	3641	*	62		
L	1983 -1994	Dunedin: Female	F	11.00- 11.99	255					3.1	133	7	C	2296	*	63		
		Dunedin: Male	M	11.00- 11.99	298					2.3	134	7					64	
		Dunedin: Female	F	21.00- 21.99	357					5.8	134	9					65	
		Dunedin: Male	M	21.00- 21.99	413					1.0	155	9					66	

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						Proportion (%) of population with haemoglobin below:							Mean	SD	Method	General	Line
						70	100	110	115	120	130						
L	1981 P	Gisborne: Elderly: total	B	65.00-NS	557					7.1			3689	*			
		Gisborne: Elderly by sex	F	65.00-NS	361					14.4					67		
		Gisborne: Elderly by sex	M	65.00-NS	196					4.1					68		
		Gisborne: Elderly by sex and age	F	65.00- 74.99	22					9.1	136				69		
		Gisborne: Elderly by sex and age	M	65.00- 74.99	30					0.0	145				70		
		Gisborne: Elderly by sex and age	F	75.00- 79.99	48					12.5	135				71		
		Gisborne: Elderly by sex and age	M	75.00- 79.99	32					6.3	142				72		
		Gisborne: Elderly by sex and age	F	80.00-NS	291					15.1					73		
		Gisborne: Elderly by sex and age	M	80.00-NS	134					4.5					74		
L	1976 P	Lower Hutt: Polynesian newborns	B	0.00- 0.01	130						191	23	C	2322	*	75	
L	1966 -1967	Waikato: Maori women	F	NS	110								A	2313	*	76	
L	1965 P	Ruatahuna: Maori Pre-SAC	B	0.50- 4.99	101						110		A	1051	*	77	
		Tikitiki: Maori Pre-SAC	B	0.50- 4.99	162						104					78	
LR	1963 P	Ruatahuna: Women	F	15.00-NS	102					15.7			4119	*	A	79	
		Te Karaka: Women	F	15.00-NS	140					16.4					D	80	
		Ruatahuna: Men	M	15.00-NS	110										A	81	
		Ruatahuna: Children	B	0.08- 14.99	418											82	
		Te Karaka: Children	B	0.08- 14.99	234										D	83	

## NOTES

### NEW ZEALAND

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**Reference No:** 4381

**General Notes:** *Facility based study (172 schools); method: automated coulter STKS (until July 2002) and Sysmex XE 2100 cell counter (after July 2002); sampling: two-stage sampling frame (1. schools with equal probability; 2. random selection of students with probability proportionate to size), response rate for schools was 91%, 3275 out of the 4728 recruited children agreed to participate; Hb determination only for subsample (n=1927) in the urban schools only; Hb cut-off levels 8-14 yrs not according to WHO recommendations (please see 'Key to the data tables').*

- Line note 1** Prevalence of anaemia 5.6% (Hb <115 g/L both sexes 5-7 yrs, Hb <118 g/L females 12-14 yrs, Hb <119 g/L both sexes 8-11 yrs, Hb <125 g/L males 12-14 yrs); prevalence of iron deficiency anaemia 0.3% (Hb <115 g/L both sexes 5-7 yrs, Hb <118 g/L females 12-14 yrs, Hb <119 g/L both sexes 8-11 yrs, Hb <125 g/L males 12-14 yrs+>=2 of the indicators: serum ferritin <10 µg/L 5 yrs or <12 µg/L 6-14 yrs, red cell distribution width >14%, transferrin saturation <12% 5 yrs or <14% 6-14 yrs); standard error mean: 0.6; disaggregated data by socioeconomic status, school type, ethnicity.
- Line note 2** Prevalence of anaemia 4.6% (Hb <115 g/L 5-7 yrs, Hb <118 g/L 12-14 yrs, Hb <119 g/L 8-11 yrs); prevalence of iron deficiency anaemia 0.5% (Hb <115 g/L 5-7 yrs, Hb <118 g/L 12-14 yrs, Hb <119 g/L 8-11 yrs+>=2 of the indicators: serum ferritin <10 µg/L 5 yrs or <12 µg/L 6-14 yrs, red cell distribution width >14%, transferrin saturation <12% 5 yrs or <14% 6-14 yrs); standard error mean: 0.6.
- Line note 3** Prevalence of anaemia 6.6% (Hb <115 g/L 5-7 yrs, Hb <119 g/L 8-11 yrs, Hb <125 g/L 12-14 yrs); prevalence of iron deficiency anaemia 0.1% (Hb <115 g/L 5-7 yrs, Hb <119 g/L 8-11 yrs, Hb <125 g/L 12-14 yrs+>=2 of the indicators: serum ferritin <10 µg/L 5 yrs or <12 µg/L 6-14 yrs, red cell distribution width >14%, transferrin saturation <12% 5 yrs or <14% 6-14 yrs); standard error mean: 1.0.
- Line note 4** Prevalence of iron deficiency anaemia 0.0% (Hb <115 g/L+>=2 of the indicators: serum ferritin <10 µg/L 5 yrs or <12 µg/L 6 yrs, red cell distribution width >14%, transferrin saturation <12% 5 yrs or <14% 6 yrs); standard error mean: 0.8.
- Line note 5** Prevalence of iron deficiency anaemia 0.0% (Hb <115 g/L+>=2 of the indicators: serum ferritin <10 µg/L 5 yrs or <12 µg/L 6 yrs, red cell distribution width >14%, transferrin saturation <12% 5 yrs or <14% 6 yrs); standard error mean: 0.9.
- Line note 6** Prevalence of anaemia 6.8% (Hb <115 g/L 7 yrs, Hb <119 g/L 8-10 yrs); prevalence of iron deficiency anaemia 0.1% (Hb <115 g/L 7 yrs, Hb <119 g/L 8-10 yrs+>=2 of the indicators: serum ferritin <12 µg/L, red cell distribution width >14%, transferrin saturation <14%); standard error mean: 0.6.
- Line note 7** Prevalence of anaemia 4.1% (Hb <115 g/L 7 yrs, Hb <119 g/L 8-10 yrs); prevalence of iron deficiency anaemia 0.2% (Hb <115 g/L 7 yrs, Hb <119 g/L 8-10 yrs+>=2 of the indicators: serum ferritin <12 µg/L, red cell distribution width >14%, transferrin saturation <14%); standard error mean: 0.7.
- Line note 8** Prevalence of anaemia 2.2% (Hb <118 g/L 12-14 yrs, Hb <119 g/L 11 yrs); prevalence of iron deficiency anaemia 1.2% (Hb <118 g/L 12-14 yrs, Hb <119 g/L 11 yrs+>=2 of the indicators: serum ferritin <12 µg/L, red cell distribution width >14%, transferrin saturation <14%); standard error mean: 0.8.
- Line note 9** Prevalence of anaemia 6.5% (Hb <119 g/L 11 yrs, Hb <125 g/L 12-14 yrs); prevalence of iron deficiency anaemia 0.1% (Hb <119 g/L 11 yrs, Hb <125 g/L 12-14 yrs+>=2 of the indicators: serum ferritin <12 µg/L, red cell distribution width >14%, transferrin saturation <14%); standard error mean: 1.1.

**Reference No:** 3967

**General Notes:** *Community-based, cross-sectional survey in three cities in the South Island of New Zealand; sampling: multistage random selection with probability proportionate to size, 323 out of the 532 identified eligible children agreed to participate; Hb determination for 263 children; inclusion only of children aged 6-24 months and who were presumed healthy with no detectable medical reasons for poor health or chronic diseases; exclusion of 70 blood samples from the analysis with C-reactive protein >=10 mg/L.*

- Line note 10** Prevalence of iron deficiency anaemia 4.3% (Hb <110 g/L+>=2 of the indicators: serum ferritin <12 µg/L, mean corpuscular volume <=73 fL or zinc protoporphyrin >=70 µmol/mol haem; n=231).
- Line note 11** Only mean Hb values.
- Line note 12** Only mean Hb values.
- Line note 13** Prevalence of iron deficiency anaemia 6.9% (Hb <110 g/L+>=2 of the indicators: serum ferritin <12 µg/L, mean corpuscular volume <=73 fL or zinc protoporphyrin >=70 µmol/mol haem; n=72); disaggregated data by sex.
- Line note 14** Prevalence of iron deficiency anaemia 3.1% (Hb <110 g/L+>=2 of the indicators: serum ferritin <12 µg/L, mean corpuscular volume <=73 fL or zinc protoporphyrin >=70 µmol/mol haem; n=159); disaggregated data by sex.

**Reference No:** 4951

**General Notes:** *Facility based study (Hastings Memorial Hospital); method: Technicon H1 machine which was replaced by coulter STKs; sampling: out of 3145 women who delivered during the study period, 146 women were eligible of whom 85% consented and 15% were missed; inclusion only of women who delivered by elective caesarean section; exclusion of subjects who suffered medical conditions, had complications during pregnancy or delivered <36 wks; only mean Hb values.*

- Line note 15** 95% CI: 103 g/L, 113 g/L; blood sample taken one day prior to delivery.
- Line note 16** 95% CI: 115 g/L, 120 g/L; blood sample taken one day prior to delivery.
- Line note 17** 95% CI: 137 g/L, 150 g/L; blood sample taken at caesarean section.
- Line note 18** 95% CI: 141 g/L, 148 g/L; blood sample taken at caesarean section.

**Reference No:** 3741

**General Notes:** *Facility based study (8 of the 10 schools surveyed in cardiovascular risk factor survey: 4 from South, 3 from Central and 1 from West Auckland); sampling: 80 schools randomly selected and all Form 5-7 students were invited to participate (response rate 6.5%); Hb cut-off levels males 14 yrs not according to WHO recommendations (please see 'Key to the data tables').*

- Line note 19** Prevalence of iron deficiency 9.6% ( $\geq 2$  of the indicators: serum ferritin  $<12 \mu\text{g/L}$ , transferrin saturation  $<14\%$  or red cell distribution width  $>14.5\%$ ); prevalence of iron deficiency anaemia 8.7% (Hb  $<120 \text{ g/L}$ )  $\geq 2$  of the indicators: serum ferritin  $<12 \mu\text{g/L}$ , transferrin saturation  $<14\%$  or red cell distribution width  $>14.5\%$ ).
- Line note 20** Prevalence of iron deficiency 0.8% ( $\geq 2$  of the indicators: serum ferritin  $<12 \mu\text{g/L}$ , transferrin saturation  $<14\%$  or red cell distribution width  $>14.5\%$ ); prevalence of iron deficiency anaemia 0.7% (Hb  $<130 \text{ g/L}$ )  $\geq 2$  of the indicators: serum ferritin  $<12 \mu\text{g/L}$ , transferrin saturation  $<14\%$  or red cell distribution width  $>14.5\%$ ).
- Line note 21** Prevalence of iron deficiency 15.2% ( $\geq 2$  of the indicators: serum ferritin  $<12 \mu\text{g/L}$ , transferrin saturation  $<14\%$  or red cell distribution width  $>14.5\%$ ); prevalence of iron deficiency anaemia 10.4% (Hb  $<120 \text{ g/L}$ )  $\geq 2$  of the indicators: serum ferritin  $<12 \mu\text{g/L}$ , transferrin saturation  $<14\%$  or red cell distribution width  $>14.5\%$ ).
- Line note 22** Prevalence of iron deficiency 2.8% ( $\geq 2$  of the indicators: serum ferritin  $<12 \mu\text{g/L}$ , transferrin saturation  $<14\%$  or red cell distribution width  $>14.5\%$ ); prevalence of iron deficiency anaemia 0.0% (Hb  $<130 \text{ g/L}$ )  $\geq 2$  of the indicators: serum ferritin  $<12 \mu\text{g/L}$ , transferrin saturation  $<14\%$  or red cell distribution width  $>14.5\%$ ).
- Line note 23** Adjustment for age; standard error mean: 1 g/L; exclusion of subjects with C-reactive protein levels  $>6 \text{ mg/L}$ ; only mean Hb values.
- Line note 24** Adjustment for age; standard error mean: 1 g/L; exclusion of subjects with C-reactive protein levels  $>6 \text{ mg/L}$ ; only mean Hb values.
- Line note 25** Prevalence of iron deficiency 10.9% ( $\geq 2$  of the indicators: serum ferritin  $<12 \mu\text{g/L}$ , transferrin saturation  $<14\%$  or red cell distribution width  $>14.5\%$ ); prevalence of iron deficiency anaemia 10.0% (Hb  $<120 \text{ g/L}$ )  $\geq 2$  of the indicators: serum ferritin  $<12 \mu\text{g/L}$ , transferrin saturation  $<14\%$  or red cell distribution width  $>14.5\%$ ).
- Line note 26** Prevalence of iron deficiency 0.6% ( $\geq 2$  of the indicators: serum ferritin  $<12 \mu\text{g/L}$ , transferrin saturation  $<14\%$  or red cell distribution width  $>14.5\%$ ); prevalence of iron deficiency anaemia 0.6% (Hb  $<130 \text{ g/L}$ )  $\geq 2$  of the indicators: serum ferritin  $<12 \mu\text{g/L}$ , transferrin saturation  $<14\%$  or red cell distribution width  $>14.5\%$ ).
- Line note 27** Adjustment for age; standard error mean: 1 g/L; exclusion of subjects with C-reactive protein levels  $>6 \text{ mg/L}$ ; only mean Hb values.
- Line note 28** Adjustment for age; standard error mean: 1 g/L; exclusion of subjects with C-reactive protein levels  $>6 \text{ mg/L}$ ; only mean Hb values.
- Line note 29** Prevalence of iron deficiency 6.7% ( $\geq 2$  of the indicators: serum ferritin  $<12 \mu\text{g/L}$ , transferrin saturation  $<14\%$  or red cell distribution width  $>14.5\%$ ); prevalence of iron deficiency anaemia 8.7% (Hb  $<120 \text{ g/L}$ )  $\geq 2$  of the indicators: serum ferritin  $<12 \mu\text{g/L}$ , transferrin saturation  $<14\%$  or red cell distribution width  $>14.5\%$ ).
- Line note 30** Prevalence of iron deficiency 0.0% ( $\geq 2$  of the indicators: serum ferritin  $<12 \mu\text{g/L}$ , transferrin saturation  $<14\%$  or red cell distribution width  $>14.5\%$ ); prevalence of iron deficiency anaemia 1.9% (Hb  $<130 \text{ g/L}$ )  $\geq 2$  of the indicators: serum ferritin  $<12 \mu\text{g/L}$ , transferrin saturation  $<14\%$  or red cell distribution width  $>14.5\%$ ).
- Line note 31** Adjustment for age; standard error mean: 1 g/L; exclusion of subjects with C-reactive protein levels  $>6 \text{ mg/L}$ ; only mean Hb values.
- Line note 32** Adjustment for age; standard error mean: 1 g/L; exclusion of subjects with C-reactive protein levels  $>6 \text{ mg/L}$ ; only mean Hb values.
- Line note 33** Prevalence of iron deficiency 4.8% ( $\geq 2$  of the indicators: serum ferritin  $<12 \mu\text{g/L}$ , transferrin saturation  $<14\%$  or red cell distribution width  $>14.5\%$ ); prevalence of iron deficiency anaemia 3.5% (Hb  $<120 \text{ g/L}$ )  $\geq 2$  of the indicators: serum ferritin  $<12 \mu\text{g/L}$ , transferrin saturation  $<14\%$  or red cell distribution width  $>14.5\%$ ).
- Line note 34** Prevalence of iron deficiency 0.7% ( $\geq 2$  of the indicators: serum ferritin  $<12 \mu\text{g/L}$ , transferrin saturation  $<14\%$  or red cell distribution width  $>14.5\%$ ); prevalence of iron deficiency anaemia 0.0% (Hb  $<130 \text{ g/L}$ )  $\geq 2$  of the indicators: serum ferritin  $<12 \mu\text{g/L}$ , transferrin saturation  $<14\%$  or red cell distribution width  $>14.5\%$ ).
- Line note 35** Adjustment for age; standard error mean: 1 g/L; exclusion of subjects with C-reactive protein levels  $>6 \text{ mg/L}$ ; only mean Hb values.
- Line note 36** Adjustment for age; standard error mean: 1 g/L; exclusion of subjects with C-reactive protein levels  $>6 \text{ mg/L}$ ; only mean Hb values.

**Reference No:** 3192

**General Notes:** *Subsample of National Nutrition Survey; method adapted from reference No. 2530; inclusion only of subjects with C-reactive protein  $\leq 8 \text{ mg/L}$ ; SD calculated from SEM; prevalence only for IDA (iron deficiency anaemia) defined as: ferritin  $<12 \mu\text{g/L}$  and zinc protoporphyrin  $>60 \mu\text{mol/mol}$  and Hb  $<136 \text{ g/L}$  male 15-19 yrs,  $<137 \text{ g/L}$  male 20-49 yrs,  $<133 \text{ g/L}$  male 50-69 yrs,  $<124 \text{ g/L}$  male  $>69$  yrs,  $<120 \text{ g/L}$  female 15-69 yrs,  $<118 \text{ g/L}$  female  $>69$  yrs.*

- Line note 37** Prevalence of iron deficiency anaemia 1.0%.
- Line note 38** Prevalence of iron deficiency anaemia 2.0%.
- Line note 39** Prevalence of iron deficiency anaemia 0.0%.
- Line note 40** Prevalence of iron deficiency anaemia 6.0%.
- Line note 41** Prevalence of iron deficiency anaemia 1.0%.

**Line note 42** Prevalence of iron deficiency anaemia 2.0%.  
**Line note 43** Prevalence of iron deficiency anaemia 3.0%.  
**Line note 44** Prevalence of iron deficiency anaemia 1.0%.  
**Line note 45** Prevalence of iron deficiency anaemia 1.0%.  
**Line note 46** Prevalence of iron deficiency anaemia 2.0%.  
**Line note 47** Prevalence of iron deficiency anaemia 2.0%.  
**Line note 48** Prevalence of iron deficiency anaemia 6.0%.  
**Line note 49** Prevalence of iron deficiency anaemia 4.0%.  
**Line note 50** Prevalence of iron deficiency anaemia 2.0%.  
**Line note 51** Prevalence of iron deficiency anaemia 4.0%.  
**Line note 52** Prevalence of iron deficiency anaemia 0.0%.  
**Line note 53** Prevalence of iron deficiency anaemia 0.0%.  
**Line note 54** Prevalence of iron deficiency anaemia 0.0%.  
**Line note 55** Prevalence of iron deficiency anaemia 0.0%.  
**Line note 56** Prevalence of iron deficiency anaemia 2.0%.  
**Line note 57** Prevalence of iron deficiency anaemia 0.0%.  
**Line note 58** Prevalence of iron deficiency anaemia 0.0%.  
**Line note 59** Prevalence of iron deficiency anaemia 0.0%.  
**Line note 60** Prevalence of iron deficiency anaemia 0.0%.  
**Line note 61** Prevalence of iron deficiency anaemia 0.0%.

**Reference No:** 3641

**General Notes:** *Sampling: 404 subjects were recruited largely via newspaper advertisements, posters and a small number through general practitioners; inclusion only of nonpregnant non-lactating women aged 18-40 yrs who were consuming a western-type diet; Hb determination only for 384 women.*

**Line note 62** Prevalence of iron deficiency anaemia 2.1% (Hb <120 g/L+serum ferritin <12 µg/L); median age 24 yrs; disaggregated data by mild iron deficiency.

**Reference No:** 2296

**General Notes:** *Longitudinal study: children born 1972-73 in Dunedin were assessed at age 11 (1983-84) and with additional subjects at age 21 (1993-94).*

**Line note 63** Assessment 1983-84.

**Line note 64** Assessment 1983-84.

**Line note 65** Assessment 1993-94.

**Line note 66** Assessment 1993-94.

**Reference No:** 3689

**General Notes:** *Sampling: a randomly selected sample stratified by age, was taken from all people 65 yrs and over, 559 out of 589 subjects approached agreed to participate, the sample included people living in their own homes (469), in residential homes (75) and in public and private hospitals (15); method: Royco cell-crit counter; values for other Hb cut off levels; Hb cut-off level men not according to WHO recommendations (please see 'Key to the data tables').*

**Line note 67** Prevalence value calculated.

**Line note 68** Prevalence value calculated.

**Line note 69** 95% CI: 0.0%, 21.1%; standard error mean: 3.53 g/L.

**Line note 70** Standard error mean: 2.17 g/L.

**Line note 71** 95% CI: 3.1%, 21.9%; standard error mean: 1.92 g/L.

**Line note 72** 95% CI: 0.0%, 14.6%; standard error mean: 2.36 g/L.

**Line note 73** 95% CI: 11.0%, 19.2%.

**Line note 74** 95% CI: 1.0%, 8.0%.

**Reference No:** 2322

**General Notes:** *Longitudinal study (birth to one yr of age); only mean Hb values at birth included in database.*

**Line note 75** Within 3 days after birth.

**Reference No:** 2313

**General Notes:** *Rural areas; women of child-bearing age, including PW.*

**Line note 76** Prevalence of anaemia 37.0% (Hb <109 g/L); prevalence of anaemia 53% (Hb <119 g/L).

**Reference No:** 1051

**General Notes:** *Supplementation study; only baseline Hb values included.*

**Line note 77** Prevalence of anaemia 27.7% (Hb <108 g/L); disaggregated data by age.

**Line note 78** Prevalence of anaemia 49.4% (Hb <108 g/L); disaggregated data by age.

**Reference No:** 4119

**General Notes:** *Study in two Maori rural communities (Te Karaka near Gisborne and Ruatahuna in the Urewera country); method: oxyhaemoglobin (in Te Karaka); sampling: in Ruatahuna, 99% of those available at the time of the study were included, those were 93% of the total population (102 women aged >=15 yrs, 110 men aged >=15 yrs, 247 infants and children <15 yrs); in Te Karaka, 140 women (80% of mothers in the population), 220 children <5 yrs and 181 children aged 5-14 yrs (90% of children in the population) were selected.*

**Line note 79** Including 9 PW; disaggregated data by age, physiological status.

**Line note 80** Including 19 PW; disaggregated data by age, physiological status.

**Line note 81** Prevalence of anaemia 7.3% (Hb <140 g/L); disaggregated data by age.

**Line note 82** Prevalence of anaemia 18.4% (Hb <103 g/L 1-5 months, Hb <108 g/L 0.5-4 yrs, Hb <115 g/L 5-8 yrs, Hb <125 g/L 9-14 yrs); disaggregated data by age.

**Line note 83** Prevalence of anaemia 23.1% (Hb <103 g/L 1-5 months, Hb <108 g/L 0.5-4 yrs, Hb <115 g/L 5-8 yrs, Hb <125 g/L 9-14 yrs); disaggregated data by age.

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