

**OMAN**
**Last Updated: 2006-10-06**

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						
N	2004	National: NPW	F	15.00- 49.99	357					38.3			B	5525	*		
		National: Men	M	18.00- 60.99	175												
		National: Children: Total	B	0.50- 4.99	266			41.5				12.1					
		Children by age	B	0.50- 1.99	NS			66.0									
		Children by age	B	2.00- 4.99	NS			26.0									
N	2000	Women :Total	F	20.00- 49.99	1741	0.3				30.0			A	4218	*		
		PW: Total	F	15.00- 49.99	375	0.5		42.7									
		Adolescents: Total	F	12.00- 19.99	1677	0.4				40.9							
		Women by age	F	20.00- 24.99	604	0.3				33.2							
		Women by age	F	25.00- 29.99	372	0.3				29.3							
		Women by age	F	30.00- 34.99	249	0.4				25.7							
		Women by age	F	35.00- 39.99	261	0.0				27.9							
		Women by age	F	40.00- 44.99	167	0.6				29.3							
		Women by age	F	45.00- 49.99	88	0.0				29.5							
		Women by area: Urban	F	20.00- 49.99	1299	0.3				30.1							
		Women by area: Rural	F	20.00- 49.99	442	0.2				29.6							
		Women by region: Muscat	F	20.00- 49.99	352	0.3				43.0							
		Women by region: Al-Batina	F	20.00- 49.99	544	0.2				34.2							
		Women by region: Dhofor	F	20.00- 49.99	139	0.7				21.6							
		Women by region: Al-Sharqiah	F	20.00- 49.99	206	0.5				20.4							
		Women by region: Al-Dakhliya	F	20.00- 49.99	319	0.0				16.9							
		Women by region: Al-Dhahiral	F	20.00- 49.99	181	0.6				32.7							
		PW by age	F	15.00- 19.99	32	0.0		40.0									
		PW by age	F	20.00- 24.99	117	0.0		41.7									
		PW by age	F	25.00- 29.99	89	0.0		52.1									
		PW by age	F	30.00- 34.99	66	0.0		45.2									
		PW by age	F	35.00- 39.99	54	0.0		19.0									
		PW by age	F	40.00- 49.99	17	14.3		57.2									
		PW by area: Urban	F	15.00- 49.99	261	0.0		40.9									
		PW by area: Rural	F	15.00- 49.99	114	2.0		48.0									
		PW by region: Muscat	F	15.00- 49.99	60	0.0		51.7									
		PW by region: Al-Batina	F	15.00- 49.99	134	0.0		40.0									
		PW by region: Dhofor	F	15.00- 49.99	55	3.1		40.6									
		PW by region: Al-Sharqiah	F	15.00- 49.99	43	0.0		38.9									
		PW by region: Al-Dakhliya	F	15.00- 49.99	28	0.0		37.8									

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						Proportion (%) of population with haemoglobin below:										General	Line
						70	100	110	115	120	130						
N	2000	PW by region: Al-Dhahiral	F	15.00- 49.99	25	0.0		56.3						A	4218		
		Adolescents by age	F	12.00- 14.99	652	0.3				41.2							
		Adolescents by age	F	15.00- 19.99	1025	0.4				40.7							
		Adolescents by area: Urban	F	12.00- 19.99	1230	0.3				40.8							
		Adolescents by area: Rural	F	12.00- 19.99	447	0.4				40.9							
		Adolescents by region: Muscat	F	12.00- 19.99	279	0.4				58.1							
		Adolescents by region: Al-Batina	F	12.00- 19.99	576	0.2				45.2							
		Adolescents by region: Dhofar	F	12.00- 19.99	172	0.6				29.8							
		Adolescents by region: Al-Sharqiah	F	12.00- 19.99	222	0.5				28.9							
		Adolescents by region: Al-Dakhilia	F	12.00- 19.99	289	0.3				27.4							
		Adolescents by region: Al-Dhahiral	F	12.00- 19.99	139	0.7				49.2							
		N	1995	Children: Total	B	0.00- 4.99	5015	0.2		50.5			109	11	NS	5204	*
Children by sex	F			0.00- 4.99	NS						110						
Children by sex	M			0.00- 4.99	NS						109						
Children by age	B			0.00- 0.99	666	0.5		73.1									
Children by age	B			1.00- 1.99	955	0.6		67.7									
Children by age	B			2.00- 2.99	1098	0.3		53.6									
Children by age	B			3.00- 3.99	1137	0.0		40.1									
Children by age	B			4.00- 4.99	1156	0.0		30.6									
Children by region: Muscat	B			0.00- 4.99	455	0.0		50.3									
Children by region: Dhofar	B			0.00- 4.99	236	3.0		47.5									
Children by region: Dakhilya	B			0.00- 4.99	1044	0.0		54.5									
Children by region: North	B			0.00- 4.99	331	0.0		43.5									
Children by region: South Sharqiya	B			0.00- 4.99	476	0.2		40.3									
Children by region: North Batinah	B			0.00- 4.99	1362	0.1		52.3									
Children by region: South Batinah	B			0.00- 4.99	547	0.4		56.3									
Children by region: Dhahira	B			0.00- 4.99	502	0.0		48.8									
Children by region: Musandam	B			0.00- 4.99	27	0.0		37.0									
Children by region: Al-Wousta	B			0.00- 4.99	35	0.0		37.1									
N	1995	SAC: Total	B	5.83- 11.5	799				51.5	120	9	C	5230	*	1		
		SAC by sex	F	5.83- 11.5	416				52.7	120	9				2		
		SAC by sex	M	5.83- 11.5	383				49.0	120	9				3		
		SAC by sex and region: Muscat	F	6.16- 11.25	113				43.7	122	12				4		
		SAC by sex and region: Junubia	F	6.00- 10.92	63				36.8	122	10				5		

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						Proportion (%) of population with haemoglobin below:										General	Line
						70	100	110	115	120	130						
N	1995	SAC by sex and region: North Batina	F	6.42- 10.25	54					49.2	122	9	C	5230		6	
		SAC by sex and region: South Batina	F	5.83- 10.92	27					79.4	115	8			7		
		SAC by sex and region: Sharqia	F	6.67- 10.5	28					29.4	123	6			8		
		SAC by sex and region: Dhahira	F	6.50- 11.5	40					50.1	121	8			9		
		SAC by sex and region: Dhakhilia	F	6.42- 10.75	91					73.1	115	7			10		
		SAC by sex and region: Muscat	M	6.16- 11.25	107					56.0	118	10			11		
		SAC by sex and region: Junubia	M	6.00- 10.92	70					25.2	120	9			12		
		SAC by sex and region: North Batina	M	6.42- 10.25	67					44.3	119	10			13		
		SAC by sex and region: South Batina	M	5.83- 10.92	52					43.2	122	8			14		
		SAC by sex and region: Sharqia	M	6.67- 10.5	24					33.3	125	9			15		
		SAC by sex and region: Dhahira	M	6.50- 11.5	31					59.5	123	11			16		
		SAC by sex and region: Dhakhilia	M	6.42- 10.75	32					70.1	117	8			17		
		SAC by sex and region: Muscat	B	6.16- 11.25	220					48.3	121	11			18		
		SAC by sex and region: Junubia	B	6.00- 10.92	133					30.1	121	9			19		
		SAC by sex and region: North Batina	B	6.42- 10.25	121					45.7	120	10			20		
		SAC by sex and region: South Batina	B	5.83- 10.92	79					58.3	119	9			21		
		SAC by sex and region: Sharqia	B	6.67- 10.5	52					30.9	124	8			22		
		SAC by sex and region: Dhahira	B	6.50- 11.5	71					51.0	121	9			23		
		SAC by sex and region: Dhakhilia	B	6.42- 10.75	123					72.3	116	7			24		
		N	1992	PW: Total	F	14.00- 45.99	1184			48.5		105			34	NS	1684
PW by region: Batinah N	F			14.00- 45.99	133			43.6		112	41						
PW by region: Batinah S	F			14.00- 45.99	183			55.7		109	36						
PW by region: Dhahira	F			14.00- 45.99	123			55.3		106	30						
PW by region: Dhakhilia	F			14.00- 45.99	167			61.1		108	39						
PW by region: Junubia	F			14.00- 45.99	195			35.9		112	30						
PW by region: Muscat	F			14.00- 45.99	199			36.2		113	29						
PW by region: Musendani	F			14.00- 45.99	184			55.4		107	31						
N	1992P			Women: Total	F	16.00- NS	766				55.9			D	477		
		Pre-SAC: Total	B	NS- 5.99	925							26					
		SAC: Total	B	6.00- 14.99	427				78.2								
		Pre-SAC by sex	F	NS- 5.99	475			61.5									
		Pre-SAC by sex	M	NS- 5.99	450			58.9									
		SAC by sex	F	6.00- 14.99	227				77.1								
		SAC by sex	M	6.00- 14.99	200				79.5								

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						Proportion (%) of population with haemoglobin below:							Mean	SD	Method	General	Line
						70	100	110	115	120	130						
R	1980P	Sohar, Muscat and Salalah: NPW	F	15.00- 45.99	303					58.7			A	816	*	27	
		Sohar, Muscat and Salalah: Pre-SAC: Total	B	0.50- 5.99	428												
		Sohar, Muscat and Salalah: Pre-SAC by sex	F	0.50- 5.99	200			65.9									
		Sohar, Muscat and Salalah: Pre-SAC by sex	M	0.50- 5.99	228			67.0									
		Sohar, Muscat and Salalah: SAC by age	B	6.00- 11.99	720			64.9									
		Sohar, Muscat and Salalah: SAC by age	B	6.00- 11.99	720						53.5						
		Sohar, Muscat and Salalah: SAC by age	B	11.00- 14.99	340						22.9						
		Sohar, Muscat and Salalah: SAC by age	B	15.00- 18.99	204						10.3						
		Sohar, Muscat and Salalah: SAC by sex and age	F	6.00- 11.99	360						52.5						28
		Sohar, Muscat and Salalah: SAC by sex and age	M	6.00- 11.99	360						54.5						
		Sohar, Muscat and Salalah: SAC by sex and age	F	11.00- 14.99	160						39.4						
		Sohar, Muscat and Salalah: SAC by sex and age	M	11.00- 14.99	180						8.4						
		Sohar, Muscat and Salalah: SAC by sex and age	F	15.00- 18.99	71						29.6						
		Sohar, Muscat and Salalah: SAC by sex and age	M	15.00- 18.99	133						0.0						

## NOTES

### OMAN

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**Reference No:** 5525

**General Notes:** *Sampling: PPS cluster sampling; adjustment for smoking. Hb determined for every other woman, all men and children.*

**Reference No:** 4218

**General Notes:** *Sampling: multi-stage, stratified probability design with probability to size in each region; in each region willayates chosen randomly, each willayate stratified into 2 strata, the first stratum was the wilayate's centers representing the urban area and the second stratum was the villages or remote areas, which represent the rural areas.*

**Reference No:** 5204

**General Notes:** *Sampling: stratified multi-stage probability proportionate to size sampling; stratified by regions and wilayat within the regions (264 primary sample units, from each unit 25 households selected).*

**Reference No:** 5230

**General Notes:** *Facility based study (primary schools); sample stratified by administrative regions (Muscat, Junubia, North Batina, South Batina, Sharqia and Dhakhilia. The regions of Musendem and Wusta not included due to low population rate; in each region self-weighted, probability sample of schools selected and subjects randomly selected.*

**Line note 1** Weighted prevalence and mean values.

**Line note 2** Weighted prevalence and mean values.

**Line note 3** Weighted prevalence and mean values.

**Line note 4** Weighted prevalence and mean values.

**Line note 5** Weighted prevalence and mean values.

**Line note 6** Weighted prevalence and mean values.

**Line note 7** Weighted prevalence and mean values.

**Line note 8** Weighted prevalence and mean values.

**Line note 9** Weighted prevalence and mean values.

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**Line note 18** Weighted prevalence and mean values.

**Line note 19** Weighted prevalence and mean values.

**Line note 20** Weighted prevalence and mean values.

**Line note 21** Weighted prevalence and mean values.

**Line note 22** Weighted prevalence and mean values.

**Line note 23** Weighted prevalence and mean values.

**Line note 24** Weighted prevalence and mean values.

**Reference No:** 1684

**General Notes:** *Facility based study (health centers) in 7 of 8 regions; values for other Hb cut-off levels.*

**Reference No:** 477

**General Notes:** *Blood samples not from all subjects (religion); method: Haemometer Supe-o-rior (accuracy rel. low); sample not representative for all regions.*

**Line note 25** Disaggregated data by region.

**Line note 26** Disaggregated data by region.

**Reference No:** 816

**General Notes:** *Facility based study (mother and child health center) for mothers and pre-SAC.*

**Line note 27** Disaggregated data by region, age, number of children; values for other Hb cut-off levels.

**Line note 28** Disaggregated data by region; values for other Hb cut-off levels.

## REFERENCES

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