

**ARMENIA**

Last Updated: 2007-12-06

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	2005	Women: Total	F	15.00- 49.99	6080	0.5								B	5804	*	1
		Pre-SAC: Total	B	0.50- 4.99	1106	1.2		36.5									
		Women by physiological status: NPNLW	F	15.00- 49.99	5609	0.6				24.2							
		Women by physiological status: PW	F	15.00- 49.99	176	0.6		38.6									
		Women by physiological status: LW	F	15.00- 49.99	294	0.2				23.9							
		Women by age	F	15.00- 19.99	1025	0.7											2
		Women by age	F	20.00- 29.99	1884	0.4											3
		Women by age	F	30.00- 39.99	1371	0.5											4
		Women by age	F	40.00- 49.99	1800	0.6											5
		Women by area: Urban	F	15.00- 49.99	3851	0.6											6
		Women by area: Rural	F	15.00- 49.99	2229	0.5											7
		Women by region: Aragatsotn	F	15.00- 49.99	253	1.1											8
		Women by region: Ararat	F	15.00- 49.99	434	0.4											9
		Women by region: Armavir	F	15.00- 49.99	554	0.5											10
		Women by region: Gegharkunik	F	15.00- 49.99	413	0.3											11
		Women by region: Kotayk	F	15.00- 49.99	518	0.3											12
		Women by region: Lori	F	15.00- 49.99	527	0.2											13
		Women by region: Shirak	F	15.00- 49.99	547	0.9											14
		Women by region: Syunik	F	15.00- 49.99	277	0.9											15
		Women by region: Tavush	F	15.00- 49.99	283	0.1											16
		Women by region: Vayots Dzor	F	15.00- 49.99	81	2.0											17
		Women by region: Yerevan	F	15.00- 49.99	2192	0.5											18
		Pre-SAC by sex	F	0.50- 4.99	490	0.7		37.6									
		Pre-SAC by sex	M	0.50- 4.99	616	1.6		35.6									
		Pre-SAC by age	B	0.50- 0.74	49	4.2		77.3									
		Pre-SAC by age	B	0.75- 0.99	71	7.5		67.9									
		Pre-SAC by age	B	1.00- 1.49	123	1.5		52.6									
		Pre-SAC by age	B	1.50- 1.99	127	1.0		37.7									
		Pre-SAC by age	B	2.00- 2.99	267	0.3		32.4									
		Pre-SAC by age	B	3.00- 3.99	243	0.9		22.5									
		Pre-SAC by age	B	4.00- 4.99	225	0.0		28.2									
		Pre-SAC by area: Urban	B	0.50- 4.99	666	1.2		37.8									
		Pre-SAC by area: Rural	B	0.50- 4.99	440	1.2		34.6									
		Pre-SAC by region: Aragatsotn	F	0.50- 4.99	43	7.1		26.5									
		Pre-SAC by region: Ararat	F	0.50- 4.99	107	0.0		30.6									
		Pre-SAC by region: Armavir	F	0.50- 4.99	95	0.0		43.6									

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						70	100	110	115	120	130							
N	2005	Pre-SAC by region: Gegharkunik	F	0.50- 4.99	93	4.0		62.5						B	5804			
		Pre-SAC by region: Kotayk	F	0.50- 4.99	77	0.0		17.9										
		Pre-SAC by region: Lori	F	0.50- 4.99	81	0.0		31.2										
		Pre-SAC by region: Shirak	F	0.50- 4.99	74	0.9		17.9										
		Pre-SAC by region: Syunik	F	0.50- 4.99	53	0.0		24.8										
		Pre-SAC by region: Tavush	F	0.50- 4.99	70	0.0		19.6										
		Pre-SAC by region: Vayots Dzor	F	0.50- 4.99	10	2.0		6.9										
		Pre-SAC by region: Yerevan	F	0.50- 4.99	403	1.4		44.7										
		N	2000	Women: Total	F	15.00- 49.99	6137	0.3							B	3208	*	19
Children: Total	B			0.50- 4.99	1334	0.4		23.9									20	
Women by physiological status: NPNLW	F			15.00- 49.99	5694	0.2				12.4								
Women by physiological status: PW	F			15.00- 49.99	169	0.0			12.0									
Women by physiological status: LW	F			15.00- 49.99	274	0.4				12.9								
Women by age	F			15.00- 19.99	1103	0.0												21
Women by age	F			20.00- 24.99	952	0.2												22
Women by age	F			25.00- 29.99	730	0.2												23
Women by age	F			30.00- 34.99	739	0.0												24
Women by age	F			35.00- 39.99	922	0.1												25
Women by age	F			40.00- 44.99	902	0.6												26
Women by age	F			45.00- 49.99	789	0.6												27
Women by area: Urban	F			15.00- 49.99	3762	0.2												28
Women by area: Rural	F			15.00- 49.99	2376	0.3												29
Women by region: Yerevan	F			15.00- 49.99	2093	0.1												30
Women by region: Aragatsotn	F			15.00- 49.99	277	0.2												31
Women by region: Ararat	F			15.00- 49.99	601	0.4												32
Women by region: Armavir	F			15.00- 49.99	546	0.2												33
Women by region: Gegharkunik	F			15.00- 49.99	411	0.2												34
Women by region: Lori	F			15.00- 49.99	481	0.0												35
Women by region: Kotayk	F			15.00- 49.99	490	0.7												36
Women by region: Shirak	F			15.00- 49.99	608	0.2												37
Women by region: Syunik	F			15.00- 49.99	256	0.6												38
Women by region: Vayots Dzor	F			15.00- 49.99	106	0.2												39
Women by region: Tavush	F			15.00- 49.99	269	0.4												40
Children by sex	F			0.50- 4.99	579	0.2				22.2								
Children by sex	M			0.50- 4.99	756	0.5				25.3								

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						Proportion (%) of population with haemoglobin below:							Mean	SD	Method	General	Line
						70	100	110	115	120	130						
N	2000	Children by age	B	0.50- 0.99	136	0.0		48.2					3208				
		Children by age	B	1.00- 1.99	281	1.4		39.5									
		Children by age	B	2.00- 2.99	262	0.2		21.4									
		Children by age	B	3.00- 3.99	314	0.2		15.5									
		Children by age	B	4.00- 4.99	341	0.0		11.2									
		Children by area: Urban	B	0.50- 4.99	684	0.2		15.6									
		Children by area: Rural	B	0.50- 4.99	650	0.6		32.8									
		Children by region: Yerevan	B	0.50- 4.99	385	0.0		12.9									
		Children by region: Aragatsotn	B	0.50- 4.99	81	1.4		25.5									
		Children by region: Ararat	B	0.50- 4.99	159	0.0		30.7									
		Children by region: Armavir	B	0.50- 4.99	140	0.8		32.8									
		Children by region: Gegharkunik	B	0.50- 4.99	123	0.0		31.5									
		Children by region: Lori	B	0.50- 4.99	110	0.0		31.5									
		Children by region: Kotayk	B	0.50- 4.99	95	1.2		10.7									
		Children by region: Shirak	B	0.50- 4.99	94	0.0		27.6									
		Children by region: Syunik	B	0.50- 4.99	48	2.3		29.5									
		Children by region: Vayots Dzor	B	0.50- 4.99	26	0.0		10.6									
		Children by region: Tavush	B	0.50- 4.99	73	0.8		38.5									
		N	1998	Women: Total	F	15.00- 45.99	2546	0.1				14.8		133	14	3329	*
Children: Total	B			0.50- 4.99	3042	0.0		16.1							42		
Women by physiological status: NPW: Total	F			15.00- 45.99	2208	0.1				13.1							43
Women by stratum: Urban residents	F			15.00- 45.99	691	0.0				14.3	133	13					
Women by stratum: Urban refugees	F			15.00- 45.99	517	0.2				13.0	134	14					
Women by stratum: Rural residents	F			15.00- 45.99	720	0.1				15.4	133	15					
Women by stratum: Rural refugees	F			15.00- 45.99	618	0.2				18.4	131	15					
NPW by stratum: Urban residents	F			15.00- 45.99	541	0.0				11.8							
NPW by stratum: Urban refugees	F			15.00- 45.99	435	0.2				9.9							
NPW by stratum: Rural residents	F			15.00- 45.99	669	0.2				15.0							
NPW by stratum: Rural refugees	F			15.00- 45.99	563	0.2				16.9							
NPW by region: Aragatsotn	F			15.00- 45.99	66	0.0				14.6							44
NPW by region: Ararat	F			15.00- 45.99	397	0.0				16.4							45
NPW by region: Armavir	F			15.00- 45.99	213	0.1				8.3							46
NPW by region: Gegharkunik	F			15.00- 45.99	147	0.0				14.6							47
NPW by region: Lori	F			15.00- 45.99	210	0.0				13.9							48
NPW by region: Kotayk	F			15.00- 45.99	253	0.6				17.8							49

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						Proportion (%) of population with haemoglobin below:										General	Line	
						70	100	110	115	120	130							
N	1998	NPW by region: Shirak	F	15.00- 45.99	147	0.0					13.0		A	3329		50		
		NPW by region: Syunik	F	15.00- 45.99	159	0.0					21.5					51		
		NPW by region: Vayots Dzor	F	15.00- 45.99	88	0.0					8.4					52		
		NPW by region: Tavoush	F	15.00- 45.99	139	0.0					19.7						53	
		NPW by region: Yerevan	F	15.00- 45.99	389	0.0					9.2						54	
		Children by sex	F	0.50- 4.99	1382	0.0		14.7										55
		Children by sex	M	0.50- 4.99	1660	0.1		17.2										56
		Children by age	B	1.00- 1.99	694	0.0		25.7										57
		Children by age	B	2.00- 4.99	2001	0.0				24.8								58
		Children by sex and stratum: Urban residents	F	0.50- 4.99	329	0.0		11.6										59
		Children by sex and stratum: Urban residents	M	0.50- 4.99	427	0.0		11.5										60
		Children by sex and stratum: Urban refugees	F	0.50- 4.99	256	0.0		14.8										61
		Children by sex and stratum: Urban refugees	M	0.50- 4.99	331	0.0		12.1										62
		Children by sex and stratum: Rural residents	F	0.50- 4.99	428	0.0		18.5										63
		Children by sex and stratum: Rural residents	M	0.50- 4.99	492	0.2		26.6										64
		Children by sex and stratum: Rural refugees	F	0.50- 4.99	369	0.0		20.3										65
		Children by sex and stratum: Rural refugees	M	0.50- 4.99	410	0.0		18.8										66
		Children by region: Aragatsotn	B	0.50- 4.99	89	0.0		10.5										67
		Children by region: Ararat	B	0.50- 4.99	533	0.0		24.5										68
		Children by region: Armavir	B	0.50- 4.99	291	0.4		21.7										69
		Children by region: Gegharkunik	B	0.50- 4.99	228	0.0		16.6										70
		Children by region: Lori	B	0.50- 4.99	268	0.0		17.9										71
		Children by region: Kotayk	B	0.50- 4.99	336	0.0		16.9										72
		Children by region: Shirak	B	0.50- 4.99	183	0.0		14.6										73
		Children by region: Syunik	B	0.50- 4.99	211	0.0		16.5										74
		Children by region: Vayots Dzor	B	0.50- 4.99	121	0.0		10.5										75
		Children by region: Tavoush	B	0.50- 4.99	195	0.0		30.3										76
		Children by region: Yerevan	B	0.50- 4.99	587	0.0		9.2										77

## NOTES

### ARMENIA

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**Reference No:** 5804

**General Notes:** *Sampling: Two-stage cluster sampling with probability proportional to size; Anaemia prevalence adjusted for altitude and smoking.*

**Line note 1** Prevalence of anaemia: 24.6% (Hb< 110 g/L PW, Hb 120 g/L NPW).

**Line note 2** Prevalence of anaemia: 21.4% (Hb< 110 g/L PW, Hb 120 g/L NPW).

**Line note 3** Prevalence of anaemia: 22.6% (Hb< 110 g/L PW, Hb 120 g/L NPW).

**Line note 4** Prevalence of anaemia: 25.2% (Hb< 110 g/L PW, Hb 120 g/L NPW).

**Line note 5** Prevalence of anaemia: 28.0% (Hb< 110 g/L PW, Hb 120 g/L NPW).

**Line note 6** Prevalence of anaemia: 26.9% (Hb< 110 g/L PW, Hb 120 g/L NPW).

**Line note 7** Prevalence of anaemia: 20.5% (Hb< 110 g/L PW, Hb 120 g/L NPW).

**Line note 8** Prevalence of anaemia: 17.3% (Hb< 110 g/L PW, Hb 120 g/L NPW).

**Line note 9** Prevalence of anaemia: 21.7% (Hb< 110 g/L PW, Hb 120 g/L NPW).

**Line note 10** Prevalence of anaemia: 22.2% (Hb< 110 g/L PW, Hb 120 g/L NPW).

**Line note 11** Prevalence of anaemia: 33.1% (Hb< 110 g/L PW, Hb 120 g/L NPW).

**Line note 12** Prevalence of anaemia: 21.0% (Hb< 110 g/L PW, Hb 120 g/L NPW).

**Line note 13** Prevalence of anaemia: 19.0% (Hb< 110 g/L PW, Hb 120 g/L NPW).

**Line note 14** Prevalence of anaemia: 26.5% (Hb< 110 g/L PW, Hb 120 g/L NPW).

**Line note 15** Prevalence of anaemia: 20.6% (Hb< 110 g/L PW, Hb 120 g/L NPW).

**Line note 16** Prevalence of anaemia: 14.1% (Hb< 110 g/L PW, Hb 120 g/L NPW).

**Line note 17** Prevalence of anaemia: 17.8% (Hb< 110 g/L PW, Hb 120 g/L NPW).

**Line note 18** Prevalence of anaemia: 28.8% (Hb< 110 g/L PW, Hb 120 g/L NPW).

**Reference No:** 3208

**General Notes:** *Hb cut-off level for PW provided by investigator; sampling: two-stage sample (1. areas; 2. households) used to provide estimates for Yerevan and each of the other ten administrative regions (marzes), 6524 households were selected of which 5980 were interviewed including 6430 women (96.2% response rate); Hb determination only for subsample (95% of eligible women and 1334 out of 1447 eligible children); values for other Hb cut-off levels; adjustment for altitude (general altitude is >1000m).*

**Line note 19** Prevalence of anaemia 12.4% (Hb <110 g/L PW, Hb <120 g/L NPW); disaggregated data by parity, education, using intrauterine device.

**Line note 20** Disaggregated data by birth order, birth interval, maternal education.

**Line note 21** Prevalence of anaemia 8.9% (Hb <110 g/L PW, Hb <120 g/L NPW).

**Line note 22** Prevalence of anaemia 11.3% (Hb <110 g/L PW, Hb <120 g/L NPW).

**Line note 23** Prevalence of anaemia 14.4% (Hb <110 g/L PW, Hb <120 g/L NPW).

**Line note 24** Prevalence of anaemia 10.9% (Hb <110 g/L PW, Hb <120 g/L NPW).

**Line note 25** Prevalence of anaemia 14.7% (Hb <110 g/L PW, Hb <120 g/L NPW).

**Line note 26** Prevalence of anaemia 13.1% (Hb <110 g/L PW, Hb <120 g/L NPW).

**Line note 27** Prevalence of anaemia 15.0% (Hb <110 g/L PW, Hb <120 g/L NPW).

**Line note 28** Prevalence of anaemia 9.9% (Hb <110 g/L PW, Hb <120 g/L NPW).

**Line note 29** Prevalence of anaemia 16.5% (Hb <110 g/L PW, Hb <120 g/L NPW).

**Line note 30** Prevalence of anaemia 5.6% (Hb <110 g/L PW, Hb <120 g/L NPW).  
**Line note 31** Prevalence of anaemia 11.7% (Hb <110 g/L PW, Hb <120 g/L NPW).  
**Line note 32** Prevalence of anaemia 16.3% (Hb <110 g/L PW, Hb <120 g/L NPW).  
**Line note 33** Prevalence of anaemia 18.0% (Hb <110 g/L PW, Hb <120 g/L NPW).  
**Line note 34** Prevalence of anaemia 17.3% (Hb <110 g/L PW, Hb <120 g/L NPW).  
**Line note 35** Prevalence of anaemia 17.9% (Hb <110 g/L PW, Hb <120 g/L NPW).  
**Line note 36** Prevalence of anaemia 10.6% (Hb <110 g/L PW, Hb <120 g/L NPW).  
**Line note 37** Prevalence of anaemia 17.2% (Hb <110 g/L PW, Hb <120 g/L NPW).  
**Line note 38** Prevalence of anaemia 20.2% (Hb <110 g/L PW, Hb <120 g/L NPW).  
**Line note 39** Prevalence of anaemia 10.2% (Hb <110 g/L PW, Hb <120 g/L NPW).  
**Line note 40** Prevalence of anaemia 15.6% (Hb <110 g/L PW, Hb <120 g/L NPW).

**Reference No:** 3329

**General Notes:** *Sampling: two-stage cluster sampling procedure was applied to select a population representative sample of households in four strata (urban/rural residents/refugees); same Hb-cut off level women applied to all women, including PW; Hb cut-off level children 24-59 months (disaggregated data by age) not according to WHO recommendations (please see 'Key to the data tables').*

**Line note 41** Weighted prevalence value.  
**Line note 42** Weighted prevalence value.  
**Line note 43** Weighted prevalence value.

**Line note 44** Weighted prevalence value.  
**Line note 45** Weighted prevalence value.  
**Line note 46** Weighted prevalence value.  
**Line note 47** Weighted prevalence value.  
**Line note 48** Weighted prevalence value.  
**Line note 49** Weighted prevalence value.  
**Line note 50** Weighted prevalence value.  
**Line note 51** Weighted prevalence value.  
**Line note 52** Weighted prevalence value.  
**Line note 53** Weighted prevalence value.  
**Line note 54** Weighted prevalence value.  
**Line note 55** Weighted prevalence value.

**Line note 56** Weighted prevalence value.  
**Line note 57** Weighted prevalence value; disaggregated data by strata.  
**Line note 58** Weighted prevalence value; disaggregated data by strata.  
**Line note 59** Weighted prevalence value.  
**Line note 60** Weighted prevalence value.  
**Line note 61** Weighted prevalence value.  
**Line note 62** Weighted prevalence value.  
**Line note 63** Weighted prevalence value.  
**Line note 64** Weighted prevalence value.  
**Line note 65** Weighted prevalence value.  
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**Line note 67** Weighted prevalence value.  
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**Line note 72** Weighted prevalence value.  
**Line note 73** Weighted prevalence value.  
**Line note 74** Weighted prevalence value.  
**Line note 75** Weighted prevalence value.  
**Line note 76** Weighted prevalence value.  
**Line note 77** Weighted prevalence value.

## REFERENCES

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- Reference 3208** National Statistical Service [Armenia], Ministry of Health [Armenia], ORC Macro Inc. Armenia Demographic and Health Survey 2000. Calverton, MD, National Statistical Service, 2001.
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