

**AZERBAIJAN**
**Last Updated: 2007-03-02**

Level	Date	Region and sample descriptor	Sex	Age (years)	Sample size	Haemoglobin (g/L)						Reference	Notes										
						Proportion (%) of population with haemoglobin below:							Mean	SD	Method	General	Line						
						70	100	110	115	120	130												
N	2001	Women: Total	F	15.00- 44.99	1906							114	14	B	4682	*	1						
		Children: Total	B	1.00- 4.99	2017			31.8														2	
		Women by physiological status: NPW	F	15.00- 44.99	1749					40.2													3
		Women by physiological status: PW	F	15.00- 44.99	157																		4
		Women by age	F	15.00- 19.99	53																		5
		Women by age	F	20.00- 24.99	451																		6
		Women by age	F	25.00- 29.99	598																		7
		Women by age	F	30.00- 34.99	501																		8
		Women by age	F	35.00- 39.99	244																		9
		Women by age	F	40.00- 44.99	59																		10
		Women by region: Baku	F	15.00- 44.99	337																		11
		Women by region: North & North-East	F	15.00- 44.99	274																		12
		Women by region: West	F	15.00- 44.99	172																		13
		Women by region: South-West	F	15.00- 44.99	644																		14
		Women by region: South	F	15.00- 44.99	234																		15
		Women by region: Central	F	15.00- 44.99	245																		16
		Women by area: Urban	F	15.00- 44.99	859																		17
		Women by region: Rural	F	15.00- 44.99	1047																		
		Children by sex	F	1.00- 4.99	951				29.2														
		Children by sex	M	1.00- 4.99	1066				34.1														
		Children by age	B	1.00- 1.99	459				56.9														
		Children by age	B	2.00- 2.99	487				34.0														
		Children by age	B	3.00- 3.99	510				20.3														
		Children by age	B	4.00- 4.99	561				17.6														
		Children by region: Baku	B	1.00- 4.99	324				29.2														
		Children by region: North & North-East	B	1.00- 4.99	295				33.2														
		Children by region: West	B	1.00- 4.99	176				28.2														
		Children by region: South-West	B	1.00- 4.99	701				35.1														
		Children by region: South	B	1.00- 4.99	260				33.3														
		Children by region: Central	B	1.00- 4.99	261				31.1														
		Children by area: Urban	B	1.00- 4.99	861				32.4														
		Children by area: Rural	B	1.00- 4.99	1156				31.3														
		N	1996	NPW: Total	F	NS	486	0.1								36.1		123	17	B	827	*	18
Men: Total	M			NS	211							145	18					19					
Pre-SAC: Total	B			1.00- 4.99	444	0.8						113	15					20					

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						Proportion (%) of population with haemoglobin below:							Mean	SD	Method	General	Line
						70	100	110	115	120	130						
N	1996	NPW by population group: IDPs	F	NS	275					40.7		122	17	B	827		21
		NPW by population group: RPs	F	NS	211					35.5		124	17				22
		Men by population group: IDPs	M	NS	119							143	19				23
		Men by population group: RPs	M	NS	92							148	16				24
		Pre-SAC by age	B	1.00- 1.99	113	2.6		65.9				103	15				25
		Pre-SAC by age	B	2.00- 4.99	331	0.1						115	13				26
		Pre-SAC by population group: IDPs	B	1.00- 4.99	206							111	14				27
		Pre-SAC by population group: RPs	B	1.00- 4.99	238							113	15				28

## NOTES

### AZERBAIJAN

**Reference No:** 4682

**General Notes:** *Sampling: multistage stratified sampling design with probability proportional to size (1. census sector; 2. cluster of households; 3. woman), 8246 out of the 11 162 selected households included at least 1 eligible woman aged 15-44 yrs, of those 7668 were interviewed; exclusion of 71 children with missing Hb data or with Hb <60 g/L and of 15 women whose current pregnancy status was unknown; inclusion only in the Hb determination mothers with at least 1 child aged 3-59 months (2206 were eligible) and of those mother's children aged 12-59 months (2274 children were eligible); Hb determination only for 1906 women and 2017 children; see also reference No. 54.*

- Line note 1** Prevalence of anaemia 40.0% (Hb <110 g/L PW gestation 1-3, 7 months, Hb <106 g/L PW gestation 4 months, Hb <105 g/L PW gestation 5 months, Hb <107 g/L PW gestation 6 months, Hb <114 g/L PW gestation 8 months, Hb <119 g/L PW gestation 9 months, Hb <120 g/L NPW); disaggregated data by education, socioeconomic status, refugee status.
- Line note 2** Disaggregated data by maternal education, socioeconomic status, refugee status, birth weight, premature, stunting.
- Line note 3** Prevalence of anaemia 38.4% (Hb <110 g/L gestation 1-3, 7 months, Hb <106 g/L gestation 4 months, Hb <105 g/L gestation 5 months, Hb <107 g/L gestation 6 months, Hb <114 g/L gestation 8 months, Hb <119 g/L gestation 9 months).
- Line note 4** Prevalence of anaemia 46.6% (Hb <110 g/L PW gestation 1-3, 7 months, Hb <106 g/L PW gestation 4 months, Hb <105 g/L PW gestation 5 months, Hb <107 g/L PW gestation 6 months, Hb <114 g/L PW gestation 8 months, Hb <119 g/L PW gestation 9 months, Hb <120 g/L NPW).
- Line note 5** Prevalence of anaemia 39.4% (Hb <110 g/L PW gestation 1-3, 7 months, Hb <106 g/L PW gestation 4 months, Hb <105 g/L PW gestation 5 months, Hb <107 g/L PW gestation 6 months, Hb <114 g/L PW gestation 8 months, Hb <119 g/L PW gestation 9 months, Hb <120 g/L NPW).
- Line note 6** Prevalence of anaemia 39.2% (Hb <110 g/L PW gestation 1-3, 7 months, Hb <106 g/L PW gestation 4 months, Hb <105 g/L PW gestation 5 months, Hb <107 g/L PW gestation 6 months, Hb <114 g/L PW gestation 8 months, Hb <119 g/L PW gestation 9 months, Hb <120 g/L NPW).
- Line note 7** Prevalence of anaemia 39.2% (Hb <110 g/L PW gestation 1-3, 7 months, Hb <106 g/L PW gestation 4 months, Hb <105 g/L PW gestation 5 months, Hb <107 g/L PW gestation 6 months, Hb <114 g/L PW gestation 8 months, Hb <119 g/L PW gestation 9 months, Hb <120 g/L NPW).
- Line note 8** Prevalence of anaemia 43.5% (Hb <110 g/L PW gestation 1-3, 7 months, Hb <106 g/L PW gestation 4 months, Hb <105 g/L PW gestation 5 months, Hb <107 g/L PW gestation 6 months, Hb <114 g/L PW gestation 8 months, Hb <119 g/L PW gestation 9 months, Hb <120 g/L NPW).
- Line note 9** Prevalence of anaemia 39.9% (Hb <110 g/L PW gestation 1-3, 7 months, Hb <106 g/L PW gestation 4 months, Hb <105 g/L PW gestation 5 months, Hb <107 g/L PW gestation 6 months, Hb <114 g/L PW gestation 8 months, Hb <119 g/L PW gestation 9 months, Hb <120 g/L NPW).
- Line note 10** Prevalence of anaemia 37.0% (Hb <110 g/L PW gestation 1-3, 7 months, Hb <106 g/L PW gestation 4 months, Hb <105 g/L PW gestation 5 months, Hb <107 g/L PW gestation 6 months, Hb <114 g/L PW gestation 8 months, Hb <119 g/L PW gestation 9 months, Hb <120 g/L NPW).
- Line note 11** Prevalence of anaemia 35.1% (Hb <110 g/L PW gestation 1-3, 7 months, Hb <106 g/L PW gestation 4 months, Hb <105 g/L PW gestation 5 months, Hb <107 g/L PW gestation 6 months, Hb <114 g/L PW gestation 8 months, Hb <119 g/L PW gestation 9 months, Hb <120 g/L NPW).
- Line note 12** Prevalence of anaemia 33.1% (Hb <110 g/L PW gestation 1-3, 7 months, Hb <106 g/L PW gestation 4 months, Hb <105 g/L PW gestation 5 months, Hb <107 g/L PW gestation 6 months, Hb <114 g/L PW gestation 8 months, Hb <119 g/L PW gestation 9 months, Hb <120 g/L NPW).
- Line note 13** Prevalence of anaemia 39.2% (Hb <110 g/L PW gestation 1-3, 7 months, Hb <106 g/L PW gestation 4 months, Hb <105 g/L PW gestation 5 months, Hb <107 g/L PW gestation 6 months, Hb <114 g/L PW gestation 8 months, Hb <119 g/L PW gestation 9 months, Hb <120 g/L NPW).
- Line note 14** Prevalence of anaemia 49.0% (Hb <110 g/L PW gestation 1-3, 7 months, Hb <106 g/L PW gestation 4 months, Hb <105 g/L PW gestation 5 months, Hb <107 g/L PW gestation 6 months, Hb <114 g/L PW gestation 8 months, Hb <119 g/L PW gestation 9 months, Hb <120 g/L NPW).
- Line note 15** Prevalence of anaemia 54.1% (Hb <110 g/L PW gestation 1-3, 7 months, Hb <106 g/L PW gestation 4 months, Hb <105 g/L PW gestation 5 months, Hb <107 g/L PW gestation 6 months, Hb <114 g/L PW gestation 8 months, Hb <119 g/L PW gestation 9 months, Hb <120 g/L NPW).
- Line note 16** Prevalence of anaemia 38.5% (Hb <110 g/L PW gestation 1-3, 7 months, Hb <106 g/L PW gestation 4 months, Hb <105 g/L PW gestation 5 months, Hb <107 g/L PW gestation 6 months, Hb <114 g/L PW gestation 8 months, Hb <119 g/L PW gestation 9 months, Hb <120 g/L NPW).
- Line note 17** Prevalence of anaemia 41.7% (Hb <110 g/L PW gestation 1-3, 7 months, Hb <106 g/L PW gestation 4 months, Hb <105 g/L PW gestation 5 months, Hb <107 g/L PW gestation 6 months, Hb <114 g/L PW gestation 8 months, Hb <119 g/L PW gestation 9 months, Hb <120 g/L NPW).

**Reference No:** 827

**General Notes:** *Data summarizes two simultaneous surveys focusing on different populations: internally displaced persons (IDPs) and residents, non-displaced persons (RPs); sampling: three-stage cluster design with probability proportional to size, covering populations in 55 districts and municipalities (1. district; 2. village/ward; 3. household); Hb determination only for 444 out of 499 pre-SAC, 486 out of 697 NPW, 211 out of 589 men; Hb cut-off levels men and pre-SAC 2-4 yrs not according to WHO recommendations (please see 'Key to the data tables').*

**Line note 18** 95% CI: 31.2%, 41.1%.

**Line note 19** Prevalence of anaemia 26.0% (Hb <136 g/L); 95% CI: 16.0%, 36.1%.

**Line note 20** Prevalence of anaemia 43.5% (Hb <110 g/L 1 yr, Hb <112 g/L 2-4 yrs); 95% CI: 37.3%, 49.6%.

**Line note 21** 95% CI: 33.0%, 48.5%.

**Line note 22** 95% CI: 31.1%, 41.0%.

**Line note 23** Prevalence of anaemia 34.4% (Hb <136 g/L); 95% CI: 17.4%, 51.5%.

**Line note 24** Prevalence of anaemia 25.0% (Hb <136 g/L); 95% CI: 14.0%, 36.0%.

**Line note 25** 95% CI: 56.8%, 75.1%.

**Line note 26** Prevalence of anaemia 34.1% (Hb <112 g/L); 95% CI: 26.9%, 41.3%.

**Line note 27** Prevalence of anaemia 46.1% (Hb <110 g/L 1 yr, Hb <112 g/L 2-4 yrs); 95% CI: 37.9%, 54.4%; disaggregated data by age.

**Line note 28** Prevalence of anaemia 43.3% (Hb <110 g/L 1 yr, Hb <112 g/L 2-4 yrs); 95% CI: 37.3%, 49.6%; disaggregated data by age.

## REFERENCES

### AZERBAIJAN

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- Reference 827**      Branca F, Burkholder B, Hamel M, Parvanta I, Robertson A. Health and Nutrition Survey of internally displaced and resident population of Azerbaijan. Atlanta, Centers for Disease Control and Prevention, 1996.
- Reference 4682**      Serbanescu F, Morris L, Rahimova S, Stupp PW, eds. Reproductive health survey Azerbaijan, 2001 [final report]. Atlanta, Centers for Disease Control and Prevention, 2003.

## ADDITIONAL REFERENCES

### AZERBAIJAN

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- Reference 54      Centers for Disease Control and Prevention. Prevalence of anemia among displaced and nondisplaced mothers and children --- Azerbaijan, 2001. MMWR. Morbidity and Mortality Weekly Report, 2004, 53 :610-614.
- Reference 4199      Kerimova MG, Bagirova BA, Ganieva GS, Ramazanova IF. Iron deficiency anaemia in children and how to fight it [unpublished data, in Russian]. 2002.
- Reference 5268      Centers for Disease Control and Prevention (CDC). Prevalence of anemia among displaced and nondisplaced mothers and children--Azerbaijan, 2001. MMWR. Morbidity and Mortality Weekly Report, 2004, 53 :610-614.