

BOLIVIA
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	2003-2004	Women: Total	F	15.00- 49.99	5935	0.4								B	5095	*	1
		Children: Total	B	0.50- 4.99	2693	1.8		51.6									2
		Women by physiological status: NPNLW	F	15.00- 49.99	4510	0.3				30.6							
		Women by physiological status: PW	F	15.00- 49.99	357	0.5		37.0									
		Women by physiological status: LW	F	15.00- 49.99	1067	0.8				42.4							
		Women by age	F	15.00- 19.99	1310	0.1											3
		Women by age	F	20.00- 24.99	1072	0.3											4
		Women by age	F	25.00- 29.99	891	0.4											5
		Women by age	F	30.00- 34.99	824	0.6											6
		Women by age	F	35.00- 39.99	726	0.6											7
		Women by age	F	40.00- 44.99	647	1.0											8
		Women by age	F	45.00- 49.99	465	0.1											9
		Women by pregnancy number: 0	F	15.00- 49.99	1869	0.1											10
		Women by pregnancy number: 1	F	15.00- 49.99	877	0.3											11
		Women by pregnancy number: 2-3	F	15.00- 49.99	1509	0.5											12
		Women by pregnancy number: 4-5	F	15.00- 49.99	800	0.8											13
		Women by pregnancy number: 6+	F	15.00- 49.99	881	0.5											14
		Women by area: Urban	F	15.00- 49.99	4068	0.3											15
		Women by area: Rural	F	15.00- 49.99	1867	0.6											16
		Women by region: Altiplano	F	15.00- 49.99	2249	0.8											17
		Women by region: Valle	F	15.00- 49.99	1855	0.1											18
		Women by region: Llano	F	15.00- 49.99	1831	0.2											19
		Women by department: La Paz	F	15.00- 49.99	1569	1.0											20
		Women by department: Oruro	F	15.00- 49.99	268	0.3											21
		Women by department: Potosi	F	15.00- 49.99	412	0.6											22
		Women by department: Chuquisaca	F	15.00- 49.99	389	0.1											23
		Women by department: Cochabamba	F	15.00- 49.99	1166	0.1											24
		Women by department: Tarija	F	15.00- 49.99	301	0.0											25
		Women by department: Santa Cruz	F	15.00- 49.99	1569	0.2											26
		Women by department: Beni/Pando	F	15.00- 49.99	262	0.4											27
		Children by sex	F	0.50- 4.99	1296	1.4		51.0									28
		Children by sex	M	0.50- 4.99	1397	2.1		52.3									29
		Children by age	B	0.50- 0.82	163	5.2		71.4									30
		Children by age	B	0.83- 0.99	71	3.0		87.8									31
		Children by age	B	1.00- 1.99	563	3.6		76.0									32
		Children by age	B	2.00- 2.99	615	1.4		51.5									33

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						Proportion (%) of population with haemoglobin below:										General	Line				
						70	100	110	115	120	130										
N	2003-2004	Children by age	B	3.00- 3.99	598	0.8		38.4						B	5095		34				
		Children by age	B	4.00- 4.99	683	0.5		34.8											35		
		Children by area: Urban	B	0.50- 4.99	1487	1.9		47.7												36	
		Children by area: Rural	B	0.50- 4.99	1206	1.6		56.5													37
		Children by region: Altiplano	B	0.50- 4.99	1082	2.8		61.0													38
		Children by region: Valle	B	0.50- 4.99	859	1.3		49.1													39
		Children by region: Llano	B	0.50- 4.99	752	0.8		41.0													40
		Children by department: La Paz	B	0.50- 4.99	708	2.3		60.3													41
		Children by department: Oruro	B	0.50- 4.99	119	3.9		51.6													42
		Children by department: Potosi	B	0.50- 4.99	255	3.6		67.4													43
		Children by department: Chuquisaca	B	0.50- 4.99	213	1.3		47.5													44
		Children by department: Cochabamba	B	0.50- 4.99	517	1.3		52.5													45
		Children by department: Tarija	B	0.50- 4.99	128	1.2		38.4													46
		Children by department: Santa Cruz	B	0.50- 4.99	613	0.7		39.9													47
		Children by department: Beni/Pando	B	0.50- 4.99	139	1.4		45.7													48
		N	1998	Women: Total	F	15.00- 49.99	3531										B	1056	*		49
Children: Total	B			0.50- 4.99	1721															50	
Women by physiological status: NPW	F			15.00- 49.99	3328	0.7					27.1										
Women by physiological status: PW	F			15.00- 49.99	203	3.1			27.9												
Women by age	F			15.00- 24.99	1405	0.7															51
Women by age	F			25.00- 34.99	1002	0.7															52
Women by age	F			35.00- 49.99	1124	1.2															53
Women by area: Urban	F			15.00- 49.99	2532	0.7															54
Women by area: Rural	F			15.00- 49.99	999	1.2															55
Women by region: Altiplano	F			15.00- 49.99	1488	1.4															56
Women by region: Valle	F			15.00- 49.99	1054	0.2															57
Women by region: Llano	F			15.00- 49.99	990	0.8															58
Women by department: Chuquisaca	F			15.00- 49.99	225	0.3															59
Women by department: La Paz	F			15.00- 49.99	1036	1.6															60
Women by department: Cochabamba	F			15.00- 49.99	627	0.2															61
Women by department: Oruro	F			15.00- 49.99	166	0.0															62
Women by department: Potosi	F			15.00- 49.99	286	1.5															63
Women by department: Tarija	F			15.00- 49.99	202	0.0															64
Women by department: Santa Cruz	F	15.00- 49.99	827	0.9													65				
Women by department: Beni/Pando	F	15.00- 49.99	163	0.2													66				

NOTES

BOLIVIA

Reference No: 5095

General Notes: *Sampling: two-stage stratified sampling with probability proportional to size (1. 1000 census enumeration areas; 2. households), 19 942 households were selected including 18 487 eligible women of whom 95.5% were interviewed; women are the mothers of the children; Hb determination only for subsample; adjustment for altitude; values for other Hb cut-off levels; Hb cut-off level children not according to WHO recommendations (please see 'Key to the data tables'). Please note that the data/sample size for children in the table is data provided by "Demographic and Health Surveys STATcomplier data for Bolivia 2003" and the data/sample size in the line notes is taken from "Encuesta Nacional de Demografia y Salud 2003", reference No. 5095.*

Line note 1 Prevalence of anaemia 33.1% (Hb <110 g/L PW, Hb <120 g/L NPW); disaggregated data by socioeconomic status, education, intrauterine device use.

Line note 2 Sample size: 2915; prevalence of anaemia 51.0% (Hb <104 g/L 6 months, Hb <109 g/L 7-23 months, Hb <114 g/L >23 months); prevalence of severe anaemia 1.7% (Hb <54 g/L 6 months, Hb <59 g/L 7-23 months, Hb <64 g/L >23 months); disaggregated data by birth order, birth interval, maternal age, maternal education, socioeconomic status.

Line note 3 Prevalence of anaemia 30.9% (Hb <110 g/L PW, Hb <120 g/L NPW).

Line note 4 Prevalence of anaemia 31.7% (Hb <110 g/L PW, Hb <120 g/L NPW).

Line note 5 Prevalence of anaemia 30.9% (Hb <110 g/L PW, Hb <120 g/L NPW).

Line note 6 Prevalence of anaemia 37.8% (Hb <110 g/L PW, Hb <120 g/L NPW).

Line note 7 Prevalence of anaemia 38.8% (Hb <110 g/L PW, Hb <120 g/L NPW).

Line note 8 Prevalence of anaemia 32.4% (Hb <110 g/L PW, Hb <120 g/L NPW).

Line note 9 Prevalence of anaemia 30.8% (Hb <110 g/L PW, Hb <120 g/L NPW).

Line note 10 Prevalence of anaemia 27.3% (Hb <110 g/L PW, Hb <120 g/L NPW).

Line note 11 Prevalence of anaemia 34.8% (Hb <110 g/L PW, Hb <120 g/L NPW).

Line note 12 Prevalence of anaemia 33.4% (Hb <110 g/L PW, Hb <120 g/L NPW).

Line note 13 Prevalence of anaemia 35.2% (Hb <110 g/L PW, Hb <120 g/L NPW).

Line note 14 Prevalence of anaemia 41.3% (Hb <110 g/L PW, Hb <120 g/L NPW).

Line note 15 Prevalence of anaemia 30.0% (Hb <110 g/L PW, Hb <120 g/L NPW).

Line note 16 Prevalence of anaemia 39.9% (Hb <110 g/L PW, Hb <120 g/L NPW).

Line note 17 Prevalence of anaemia 40.3% (Hb <110 g/L PW, Hb <120 g/L NPW).

Line note 18 Prevalence of anaemia 27.1% (Hb <110 g/L PW, Hb <120 g/L NPW).

Line note 19 Prevalence of anaemia 30.5% (Hb <110 g/L PW, Hb <120 g/L NPW).

Line note 20 Prevalence of anaemia 43.2% (Hb <110 g/L PW, Hb <120 g/L NPW).

Line note 21 Prevalence of anaemia 30.8% (Hb <110 g/L PW, Hb <120 g/L NPW).

Line note 22 Prevalence of anaemia 35.3% (Hb <110 g/L PW, Hb <120 g/L NPW).

Line note 23 Prevalence of anaemia 25.9% (Hb <110 g/L PW, Hb <120 g/L NPW).

Line note 24 Prevalence of anaemia 27.9% (Hb <110 g/L PW, Hb <120 g/L NPW).

Line note 25 Prevalence of anaemia 25.6% (Hb <110 g/L PW, Hb <120 g/L NPW).

Line note 26 Prevalence of anaemia 28.5% (Hb <110 g/L PW, Hb <120 g/L NPW).

Line note 27 Prevalence of anaemia 42.1% (Hb <110 g/L PW, Hb <120 g/L NPW).

Line note 28 Sample size: 1394; prevalence of anaemia 50.3% (Hb <104 g/L 6 months, Hb <109 g/L 7-23 months, Hb <114 g/L >23 months); prevalence of severe anaemia 1.3% (Hb <54 g/L 6 months, Hb <59 g/L 7-23 months, Hb <64 g/L >23 months).

Line note 29 Sample size: 1521 ; prevalence of anaemia 51.7% (Hb <104 g/L 6 months, Hb <109 g/L 7-23 months, Hb <114 g/L >23 months); prevalence of severe anaemia 2.0% (Hb <54 g/L 6 months, Hb <59 g/L 7-23 months, Hb <64 g/L >23 months).

Line note 30 Sample size: 169; prevalence of anaemia 70.7% (Hb <104 g/L 6 months, Hb <109 g/L 7-9 months); prevalence of severe anaemia 5.1% (Hb <54 g/L 6 months, Hb <59 g/L 7-9 months).

- Line note 31** Sample size: 76; prevalence of anaemia 88.7% (Hb <109 g/L); prevalence of severe anaemia 2.8% (Hb <59 g/L).
- Line note 32** Sample size: 586; prevalence of anaemia 75.3% (Hb <109 g/L); prevalence of severe anaemia 3.5% (Hb <59 g/L).
- Line note 33** Sample size: 671; prevalence of anaemia 50.8% (Hb <114 g/L); prevalence of severe anaemia 1.3% (Hb <64 g/L).
- Line note 34** Sample size: 650; prevalence of anaemia 38.6% (Hb <114 g/L); prevalence of severe anaemia 0.7% (Hb <64 g/L).
- Line note 35** Sample size: 764; prevalence of anaemia 35.1% (Hb <114 g/L); prevalence of severe anaemia 0.5% (Hb <64 g/L).
- Line note 36** Sample size: 1600; prevalence of anaemia 46.7% (Hb <104 g/L 6 months, Hb <109 g/L 7-23 months, Hb <114 g/L >23 months); prevalence of severe anaemia 1.8% (Hb <54 g/L 6 months, Hb <59 g/L 7-23 months, Hb <64 g/L >23 months).
- Line note 37** Sample size: 1314; prevalence of anaemia 56.3% (Hb <104 g/L 6 months, Hb <109 g/L 7-23 months, Hb <114 g/L >23 months); prevalence of severe anaemia 1.5% (Hb <54 g/L 6 months, Hb <59 g/L 7-23 months, Hb <64 g/L >23 months).
- Line note 38** Sample size: 1114; prevalence of anaemia 60.9% (Hb <104 g/L 6 months, Hb <109 g/L 7-23 months, Hb <114 g/L >23 months); prevalence of severe anaemia 2.7% (Hb <54 g/L 6 months, Hb <59 g/L 7-23 months, Hb <64 g/L >23 months).
- Line note 39** Sample size: 956 ; prevalence of anaemia 48.5% (Hb <104 g/L 6 months, Hb <109 g/L 7-23 months, Hb <114 g/L >23 months); prevalence of severe anaemia 1.2% (Hb <54 g/L 6 months, Hb <59 g/L 7-23 months, Hb <64 g/L >23 months).
- Line note 40** Sample size: 844; prevalence of anaemia 40.9% (Hb <104 g/L 6 months, Hb <109 g/L 7-23 months, Hb <114 g/L >23 months); prevalence of severe anaemia 0.8% (Hb <54 g/L 6 months, Hb <59 g/L 7-23 months, Hb <64 g/L >23 months).
- Line note 41** Sample size: 723; prevalence of anaemia 60.3% (Hb <104 g/L 6 months, Hb <109 g/L 7-23 months, Hb <114 g/L >23 months); prevalence of severe anaemia 2.2% (Hb <54 g/L 6 months, Hb <59 g/L 7-23 months, Hb <64 g/L >23 months).
- Line note 42** Sample size: 132; prevalence of anaemia 50.7% (Hb <104 g/L 6 months, Hb <109 g/L 7-23 months, Hb <114 g/L >23 months); prevalence of severe anaemia 3.7% (Hb <54 g/L 6 months, Hb <59 g/L 7-23 months, Hb <64 g/L >23 months).
- Line note 43** Sample size: 260; prevalence of anaemia 67.6% (Hb <104 g/L 6 months, Hb <109 g/L 7-23 months, Hb <114 g/L >23 months); prevalence of severe anaemia 3.5% (Hb <54 g/L 6 months, Hb <59 g/L 7-23 months, Hb <64 g/L >23 months).
- Line note 44** Sample size: 234; prevalence of anaemia 46.9% (Hb <104 g/L 6 months, Hb <109 g/L 7-23 months, Hb <114 g/L >23 months); prevalence of severe anaemia 1.3% (Hb <54 g/L 6 months, Hb <59 g/L 7-23 months, Hb <64 g/L >23 months).
- Line note 45** Sample size: 577; prevalence of anaemia 51.6% (Hb <104 g/L 6 months, Hb <109 g/L 7-23 months, Hb <114 g/L >23 months); prevalence of severe anaemia 1.2% (Hb <54 g/L 6 months, Hb <59 g/L 7-23 months, Hb <64 g/L >23 months).
- Line note 46** Sample size: 145; prevalence of anaemia 38.6% (Hb <104 g/L 6 months, Hb <109 g/L 7-23 months, Hb <114 g/L >23 months); prevalence of severe anaemia 1.2% (Hb <54 g/L 6 months, Hb <59 g/L 7-23 months, Hb <64 g/L >23 months).
- Line note 47** Sample size: 680; prevalence of anaemia 39.8% (Hb <104 g/L 6 months, Hb <109 g/L 7-23 months, Hb <114 g/L >23 months); prevalence of severe anaemia 0.7% (Hb <54 g/L 6 months, Hb <59 g/L 7-23 months, Hb <64 g/L >23 months).
- Line note 48** Sample size: 164; prevalence of anaemia 45.6% (Hb <104 g/L 6 months, Hb <109 g/L 7-23 months, Hb <114 g/L >23 months); prevalence of severe anaemia 1.3% (Hb <54 g/L 6 months, Hb <59 g/L 7-23 months, Hb <64 g/L >23 months).

Reference No: 1056

General Notes: *Hb cut-off level children not according to WHO recommendations (please see 'Key to the data tables'); adjustment for altitude.*

- Line note 49** Prevalence of anaemia 27.1% (Hb <110 g/L PW, Hb <120 g/L NPW).
- Line note 50** Prevalence of anaemia 55.6% (Hb <109 g/L 6-23 months, Hb <114 g/L >23 months)
- Line note 51** Prevalence of anaemia 24.4% (Hb <110 g/L PW, Hb <120 g/L NPW).
- Line note 52** Prevalence of anaemia 28.4% (Hb <110 g/L PW, Hb <120 g/L NPW).
- Line note 53** Prevalence of anaemia 29.4% (Hb <110 g/L PW, Hb <120 g/L NPW).
- Line note 54** Prevalence of anaemia 24.0% (Hb <110 g/L PW, Hb <120 g/L NPW).
- Line note 55** Prevalence of anaemia 35.1% (Hb <110 g/L PW, Hb <120 g/L NPW).
- Line note 56** Prevalence of anaemia 33.1% (Hb <110 g/L PW, Hb <120 g/L NPW).
- Line note 57** Prevalence of anaemia 23.8% (Hb <110 g/L PW, Hb <120 g/L NPW).
- Line note 58** Prevalence of anaemia 21.8% (Hb <110 g/L PW, Hb <120 g/L NPW).
- Line note 59** Prevalence of anaemia 21.5% (Hb <110 g/L PW, Hb <120 g/L NPW).

Line note 60 Prevalence of anaemia 33.2% (Hb <110 g/L PW, Hb <120 g/L NPW).
Line note 61 Prevalence of anaemia 27.5% (Hb <110 g/L PW, Hb <120 g/L NPW).
Line note 62 Prevalence of anaemia 25.3% (Hb <110 g/L PW, Hb <120 g/L NPW).
Line note 63 Prevalence of anaemia 37.1% (Hb <110 g/L PW, Hb <120 g/L NPW).
Line note 64 Prevalence of anaemia 14.4% (Hb <110 g/L PW, Hb <120 g/L NPW).
Line note 65 Prevalence of anaemia 21.2% (Hb <110 g/L PW, Hb <120 g/L NPW).
Line note 66 Prevalence of anaemia 24.7% (Hb <110 g/L PW, Hb <120 g/L NPW).
Line note 67 Prevalence of anaemia 55.8% (Hb <109 g/L 6-23 months, Hb <114 g/L >23 months).
Line note 68 Prevalence of anaemia 55.3% (Hb <109 g/L 6-23 months, Hb <114 g/L >23 months).
Line note 69 Prevalence of anaemia 75.8% (Hb <109 g/L 6-23 months).
Line note 70 Prevalence of anaemia 72.7% (Hb <109 g/L 6-23 months).
Line note 71 Prevalence of anaemia 45.5% (Hb <114 g/L >23 months).
Line note 72 Prevalence of anaemia 50.4% (Hb <109 g/L 6-23 months, Hb <114 g/L >23 months).
Line note 73 Prevalence of anaemia 62.6% (Hb <109 g/L 6-23 months, Hb <114 g/L >23 months).
Line note 74 Prevalence of anaemia 61.0% (Hb <109 g/L 6-23 months, Hb <114 g/L >23 months).
Line note 75 Prevalence of anaemia 56.7% (Hb <109 g/L 6-23 months, Hb <114 g/L >23 months).
Line note 76 Prevalence of anaemia 47.8% (Hb <109 g/L 6-23 months, Hb <114 g/L >23 months).
Line note 77 Prevalence of anaemia 51.9% (Hb <109 g/L 6-23 months, Hb <114 g/L >23 months).
Line note 78 Prevalence of anaemia 57.6% (Hb <109 g/L 6-23 months, Hb <114 g/L >23 months).
Line note 79 Prevalence of anaemia 61.3% (Hb <109 g/L 6-23 months, Hb <114 g/L >23 months).
Line note 80 Prevalence of anaemia 61.9% (Hb <109 g/L 6-23 months, Hb <114 g/L >23 months).
Line note 81 Prevalence of anaemia 70.1% (Hb <109 g/L 6-23 months, Hb <114 g/L >23 months).
Line note 82 Prevalence of anaemia 48.8% (Hb <109 g/L 6-23 months, Hb <114 g/L >23 months).
Line note 83 Prevalence of anaemia 46.8% (Hb <109 g/L 6-23 months, Hb <114 g/L >23 months).
Line note 84 Prevalence of anaemia 52.2% (Hb <109 g/L 6-23 months, Hb <114 g/L >23 months).

Reference No: 4892

General Notes: *Facility based study (schools administered by the Non-Governmental Organization "Fe y Alegria"); sampling: design not explained; adjustment for altitude (assuming that cut-off level 144 g/L corresponds to 110 g/L due to altitude adjustment); inclusion only of healthy children.*

Reference No: 2729

General Notes: *Facility based study (hospitals).*

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ADDITIONAL REFERENCES

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