



**HONDURAS**
**Last Updated: 2007-12-07**

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 -2006	Pre-SAC by area: Urban	B	0.50- 4.99	3390							B	5799			34		
		Pre-SAC by area: Rural	B	0.50- 4.99	5259													35
		Pre-SAC by department: Atlántida	F	15.00- 4.99	342													36
		Pre-SAC by department: Colón	F	0.50- 4.99	369													37
		Pre-SAC by department: Copán	F	0.50- 4.99	419													38
		Pre-SAC by department: Cortés	F	0.50- 4.99	1555													39
		Pre-SAC by department: Choluteca	F	0.50- 4.99	472													40
		Pre-SAC by department: El Paraiso	F	0.50- 4.99	461													41
		Pre-SAC by department: Francisco Morazán	F	0.50- 4.99	1318													42
		Pre-SAC by department: Intibucá	F	0.50- 4.99	332													43
		Pre-SAC by department: La Paz	F	0.50- 4.99	261													44
		Pre-SAC by department: Lempra	F	0.50- 4.99	404													45
		Pre-SAC by department: Ocotepeque	F	0.50- 4.99	142													46
		Pre-SAC by department: Olancho	F	0.50- 4.99	633													47
		Pre-SAC by department: Santa Bárbara	F	0.50- 4.99	504													48
		Pre-SAC by department: Valle	F	0.50- 4.99	196													49
		Pre-SAC by department: Yoro	F	0.50- 4.99	660													50
Pre-SAC by department: Comayagua	F	0.50- 4.99	580											51				
N	2001	NPW: Total	F	15.00- 49.99	3589					14.7		B	3096	*				
		Pre-SAC: Total	B	1.00- 4.99	4605			29.9										
		NPW by age	F	15.00- 19.99	326					14.3								
		NPW by age	F	20.00- 24.99	919					13.8								
		NPW by age	F	25.00- 29.99	980					12.7								
		NPW by age	F	30.00- 34.99	670					17.0								
		NPW by age	F	35.00- 39.99	427					18.0								
		NPW by age	F	40.00- 44.99	208					15.7								
		NPW by age	F	45.00- 49.99	59					10.1								
		NPW by area: Urban	F	15.00- 49.99	1462					13.9								
		NPW by area: Rural	F	15.00- 49.99	2127					15.2								
		NPW by health region: Metropolitana	F	15.00- 49.99	446					10.1								52
		NPW by health region: 1	F	15.00- 49.99	329					9.5								53
		NPW by health region: 2	F	15.00- 49.99	383					13.0								54
		NPW by health region: 3	F	15.00- 49.99	1034					16.3								55
		NPW by health region: 4	F	15.00- 49.99	324					18.6								56
		NPW by health region: 5	F	15.00- 49.99	400					12.1								57

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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	NPW by health region: 6	F	15.00- 49.99	429					23.2			3096		58		
		NPW by health region: 7	F	15.00- 49.99	244					11.4						59	
		Pre-SAC by sex	F	1.00- 4.99	2206			30.5									
		Pre-SAC by sex	M	1.00- 4.99	2399			29.3									
		Pre-SAC by age	B	1.00- 1.99	1201			45.3									
		Pre-SAC by age	B	2.00- 2.99	1189			30.7									
		Pre-SAC by age	B	3.00- 3.99	1159			23.0									
		Pre-SAC by age	B	4.00- 4.99	1056			18.7									
		Pre-SAC by area: Urban	B	1.00- 4.99	1668			29.4									
		Pre-SAC by area: Rural	B	1.00- 4.99	2937			30.2									
		Pre-Sac by health region: Metropolitana	B	1.00- 4.99	490			24.9									60
		Pre-SAC by health region: 1	B	1.00- 4.99	430			22.9									61
		Pre-SAC by health region: 2	B	1.00- 4.99	537			24.7									62
		Pre-SAC by health region: 3	B	1.00- 4.99	1249			32.4									63
		Pre-SAC by health region: 4	B	1.00- 4.99	428			31.3									64
		Pre-SAC by health region: 5	B	1.00- 4.99	558			25.8									65
		Pre-SAC by health region: 6	B	1.00- 4.99	561			41.8									66
		Pre-SAC by health region: 7	B	1.00- 4.99	352			31.7									67
		L	1997	San Pedro Sula: Infants	B	0.30	114							112	8	B	1491
N	1996	NPW: Total	F	NS	1001	0.2				25.8	127	13	B	3095	*	69	
		PW: Total	F	NS	105	0.0		32.4			115	13					
		Pre-SAC: Total	B	1.00- 5.99	1726	0.5		30.4			115	13					
		Pre-SAC by age	B	1.00- 1.99	374			52.5									
		Pre-SAC by age	B	2.00- 2.99	392			40.4									
		Pre-SAC by age	B	3.00- 3.99	331			23.4									
		Pre-SAC by age	B	4.00- 4.99	341			14.4									
		Pre-SAC by age	B	5.00- 5.99	282			14.4									
		Pre-SAC by area: Tegucigalpa	B	1.00- 5.99	189						117	14					
		Pre-SAC by area: San Pedro Sula and medium citie	B	1.00- 5.99	218						115	12					
		Pre-SAC by area: Other urban	B	1.00- 5.99	210						114	13					
		Pre-SAC by area: Rural north	B	1.00- 5.99	775						114	13					
		Pre-SAC by area: Rural west	B	1.00- 5.99	203						115	11					
Pre-SAC by area: Rural south	B	1.00- 5.99	132						114	12							

## NOTES

### HONDURAS

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**Reference No:** 5799

**General Notes:** *Sampling: Multi-stage cluster sampling with probability proportional to size; Anaemia assessed in a sub-sample; Hemoglobin adjusted for altitude and smoking; Hb cut-off not according to WHO standards in preschool-aged children, (please see 'Key to the data tables').*

- Line note 1** Prevalence of anaemia 18.7% (Hb < 110 g/L PW, Hb < 120 g/L NPW)
- Line note 2** Prevalence of anaemia 37.3% (Hb < 109 g/L 7-23 months, Hb < 114 g/L 24-59 months)
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- Line note 3** Prevalence of anaemia 14.8% (Hb < 110 g/L PW, Hb < 120 g/L NPW)
- Line note 4** Prevalence of anaemia 15.6% (Hb < 110 g/L PW, Hb < 120 g/L NPW)
- Line note 5** Prevalence of anaemia 16.2% (Hb < 110 g/L PW, Hb < 120 g/L NPW)
- Line note 6** Prevalence of anaemia 17.7% (Hb < 110 g/L PW, Hb < 120 g/L NPW)
- Line note 7** Prevalence of anaemia 18.3% (Hb < 110 g/L PW, Hb < 120 g/L NPW)
- Line note 8** Prevalence of anaemia 19.1% (Hb < 110 g/L PW, Hb < 120 g/L NPW)
- Line note 9** Prevalence of anaemia 18.9% (Hb < 110 g/L PW, Hb < 120 g/L NPW)
- Line note 10** Prevalence of anaemia 22.0% (Hb < 110 g/L PW, Hb < 120 g/L NPW)
- Line note 11** Prevalence of anaemia 14.8% (Hb < 110 g/L PW, Hb < 120 g/L NPW)
- Line note 12** Prevalence of anaemia 17.0% (Hb < 110 g/L PW, Hb < 120 g/L NPW)
- Line note 13** Prevalence of anaemia 26.8% (Hb < 110 g/L PW, Hb < 120 g/L NPW)
- Line note 14** Prevalence of anaemia 20.2% (Hb < 110 g/L PW, Hb < 120 g/L NPW)
- Line note 15** Prevalence of anaemia 17.3% (Hb < 110 g/L PW, Hb < 120 g/L NPW)
- Line note 16** Prevalence of anaemia 12.9% (Hb < 110 g/L PW, Hb < 120 g/L NPW)
- Line note 17** Prevalence of anaemia 22.4% (Hb < 110 g/L PW, Hb < 120 g/L NPW)
- Line note 18** Prevalence of anaemia 20.5% (Hb < 110 g/L PW, Hb < 120 g/L NPW)
- Line note 19** Prevalence of anaemia 13.1% (Hb < 110 g/L PW, Hb < 120 g/L NPW)
- Line note 20** Prevalence of anaemia 13.2% (Hb < 110 g/L PW, Hb < 120 g/L NPW)
- Line note 21** Prevalence of anaemia 14.9% (Hb < 110 g/L PW, Hb < 120 g/L NPW)
- Line note 22** Prevalence of anaemia 13.3% (Hb < 110 g/L PW, Hb < 120 g/L NPW)
- Line note 23** Prevalence of anaemia 17.2% (Hb < 110 g/L PW, Hb < 120 g/L NPW)
- Line note 24** Prevalence of anaemia 21.8% (Hb < 110 g/L PW, Hb < 120 g/L NPW)
- Line note 25** Prevalence of anaemia 35.9% (Hb < 109 g/L 7-23 months, Hb < 114 g/L 24-59 months)
- Line note 26** Prevalence of anaemia 38.6% (Hb < 109 g/L 7-23 months, Hb < 114 g/L 24-59 months)
- Line note 27** Prevalence of anaemia 68.3% (Hb < 109 g/L 7-23 months, Hb < 114 g/L 24-59 months)
- Line note 28** Prevalence of anaemia 61.9% (Hb < 109 g/L 7-23 months, Hb < 114 g/L 24-59 months)
- Line note 29** Prevalence of anaemia 57.7% (Hb < 109 g/L 7-23 months, Hb < 114 g/L 24-59 months)
- Line note 30** Prevalence of anaemia 47.3% (Hb < 109 g/L 7-23 months, Hb < 114 g/L 24-59 months)
- Line note 31** Prevalence of anaemia 37.4% (Hb < 109 g/L 7-23 months, Hb < 114 g/L 24-59 months)
- Line note 32** Prevalence of anaemia 27.5% (Hb < 109 g/L 7-23 months, Hb < 114 g/L 24-59 months)
- Line note 33** Prevalence of anaemia 21.7% (Hb < 109 g/L 7-23 months, Hb < 114 g/L 24-59 months)
- Line note 34** Prevalence of anaemia 33.0% (Hb < 109 g/L 7-23 months, Hb < 114 g/L 24-59 months)

<b>Line note 35</b>	Prevalence of anaemia 40.0% (Hb < 109 g/L 7-23 months, Hb < 114 g/L 24-59 months)
<b>Line note 36</b>	Prevalence of anaemia 38.1% (Hb < 109 g/L 7-23 months, Hb < 114 g/L 24-59 months)
<b>Line note 37</b>	Prevalence of anaemia 45.2% (Hb < 109 g/L 7-23 months, Hb < 114 g/L 24-59 months)
<b>Line note 38</b>	Prevalence of anaemia 37.8% (Hb < 109 g/L 7-23 months, Hb < 114 g/L 24-59 months)
<b>Line note 39</b>	Prevalence of anaemia 43.4% (Hb < 109 g/L 7-23 months, Hb < 114 g/L 24-59 months)
<b>Line note 40</b>	Prevalence of anaemia 37.5% (Hb < 109 g/L 7-23 months, Hb < 114 g/L 24-59 months)
<b>Line note 41</b>	Prevalence of anaemia 34.6% (Hb < 109 g/L 7-23 months, Hb < 114 g/L 24-59 months)
<b>Line note 42</b>	Prevalence of anaemia 26.5% (Hb < 109 g/L 7-23 months, Hb < 114 g/L 24-59 months)
<b>Line note 43</b>	Prevalence of anaemia 41.2% (Hb < 109 g/L 7-23 months, Hb < 114 g/L 24-59 months)
<b>Line note 44</b>	Prevalence of anaemia 43.0% (Hb < 109 g/L 7-23 months, Hb < 114 g/L 24-59 months)
<b>Line note 45</b>	Prevalence of anaemia 36.1% (Hb < 109 g/L 7-23 months, Hb < 114 g/L 24-59 months)
<b>Line note 46</b>	Prevalence of anaemia 40.0% (Hb < 109 g/L 7-23 months, Hb < 114 g/L 24-59 months)
<b>Line note 47</b>	Prevalence of anaemia 39.2% (Hb < 109 g/L 7-23 months, Hb < 114 g/L 24-59 months)
<b>Line note 48</b>	Prevalence of anaemia 37.1% (Hb < 109 g/L 7-23 months, Hb < 114 g/L 24-59 months)
<b>Line note 49</b>	Prevalence of anaemia 39.6% (Hb < 109 g/L 7-23 months, Hb < 114 g/L 24-59 months)
<b>Line note 50</b>	Prevalence of anaemia 40.5% (Hb < 109 g/L 7-23 months, Hb < 114 g/L 24-59 months)
<b>Line note 51</b>	Prevalence of anaemia 30.4% (Hb < 109 g/L 7-23 months, Hb < 114 g/L 24-59 months)

**Reference No:** 3096

**General Notes:** *National survey with exclusion of Isas de la Bahía and Gracias a Dios, definition of health regions in line notes; adjustment for altitude; women are mothers of children aged 0.25-4 yrs.*

<b>Line note 52</b>	Francisco Morazán, Distrito Central.
<b>Line note 53</b>	Francisco Morazán, excepto los municipios del Distrito Central, La Libertad y San Miguelito.
<b>Line note 54</b>	Comayagua. La Paz, excepto los municipios de Mercedes de Oriente, Aguanqueterique, Lauterique, San Juan y San Antonio del Norte. Intibucá: el municipio de San Juan.
<b>Line note 55</b>	Cortés. Santa Barbara, excepto los municipios de Naranjito y Protección. Yoro, excepto los municipios de Arenal, Jocón y Olanchito. Lempira, excepto los municipios de La Unión y San Rafael.
<b>Line note 56</b>	Choluteca, Valle, La Paz: municipios de Aguanqueterique, Lauterique, Mercedes de Oriente, San Juan y San Antonio del Norte, Francisco Morazán: municipios de La Libertad y San Miguelito, El Paraiso: municipios de Liure y Soledad.
<b>Line note 57</b>	Copán, Ocotepeque, Lempira, excepto los municipios de San Rafael y La Unión, Intibucá, excepto el municipio de San Juan, Santa Bárbara: municipios de Naranjito y Protección.
<b>Line note 58</b>	Atlántida, Islas de la Bahía, Colón, Olancho: municipio de Esquipulas del Norte, Yoro: municipios de Jocón, Arenal y Olanchito.
<b>Line note 59</b>	Olancho, excepto el municipio de Esquipulas del Norte.
<b>Line note 60</b>	Francisco Morazán, Distrito Central.
<b>Line note 61</b>	Francisco Morazán, excepto los municipios del Distrito Central, La Libertad y San Miguelito.
<b>Line note 62</b>	Comayagua. La Paz, excepto los municipios de Mercedes de Oriente, Aguanqueterique, Lauterique, San Juan y San Antonio del Norte. Intibucá: el municipio de San Juan.
<b>Line note 63</b>	Cortés. Santa Barbara, excepto los municipios de Naranjito y Protección. Yoro, excepto los municipios de Arenal, Jocón y Olanchito. Lempira, excepto los municipios de La Unión y San Rafael.
<b>Line note 64</b>	Choluteca, Valle, La Paz: municipios de Aguanqueterique, Lauterique, Mercedes de Oriente, San Juan y San Antonio del Norte, Francisco Morazán: municipios de La Libertad y San Miguelito, El Paraiso: municipios de Liure y Soledad.
<b>Line note 65</b>	Copán, Ocotepeque, Lempira, excepto los municipios de San Rafael y La Unión, Intibucá, excepto el municipio de San Juan, Santa Bárbara: municipios de Naranjito y Protección.
<b>Line note 66</b>	Atlántida, Islas de la Bahía, Colón, Olancho: municipio de Esquipulas del Norte, Yoro: municipios de Jocón, Arenal y Olanchito.
<b>Line note 67</b>	Olancho, excepto el municipio de Esquipulas del Norte.

**Reference No:** 1491

**General Notes:** *Facility based study (public maternity hospital); study in two sites (San Pedro Sula, Honduras; Umeå, Sweden); baseline values of intervention study; SD value and sample size adapted from reference No. 4004; sampling: 184 out of 733 contacted were eligible, 142 entered the study, 131 remained in study until 6 months and were included in analysis; inclusion only of subjects born at term ( $\geq 37$  wks), with birth weight  $>2500$  g, no chronic disease, maternal age  $\geq 16$  yrs, exclusive breastfeeding (BF) at 4 months, mother intended to exclusive BF to 6 months and to BF to  $\geq 9$  months.*

**Line note 68** Only mean Hb values; disaggregated data by intervention.

**Reference No:** 3095

**General Notes:** *Women are mothers or caretakers of children surveyed; adjustment for altitude.*

**Line note 69** N=956 for mean Hb value.

## REFERENCES

### HONDURAS

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## ADDITIONAL REFERENCES

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