

NICARAGUA

Country/Territory Administrative level	Dates of survey		Area	Sex	Age group (years)	Sample size	Percentage below/above median						Notes	Ref. No.	
	Months	Year					WEIGHT/HEIGHT			HEIGHT/AGE		WEIGHT/AGE			
							-3SD	-2SD	+2SD	-3SD	-2SD	-3SD			-2SD
Local	1965-67				0.	-3.99	516	0.4	1.2	4.1	16.5	39.7	3.9	19.0	00148
					0.	-0.99	134	0.8	3.0	6.8	3.7	15.7	2.3	9.0	
					1		122	0.8	1.6	4.1	20.5	52.5	4.9	27.1	
					2		132	0.0	0.0	2.3	20.5	46.2	5.3	22.7	
					3		128	0.0	0.0	3.1	21.9	46.1	3.1	18.0	
			M		0.	-3.99	256	0.0	1.6	4.3	16.0	39.5	3.5	19.5	
			F		0.	-3.99	260	0.8	0.8	3.9	16.9	40.0	4.2	18.5	
National	1966				0.	-4.99	804		1.3			36.2		17.1	00226
National	JAN-DEC	1980-82			0.	-5.99	1745	0.0	0.5	2.2	6.3	21.7	0.9	10.0	00161
					0.	-0.99	230	0.0	1.3	0.4	2.2	10.9	0.4	9.1	
					1		324	0.0	0.3	3.4	8.0	28.1	2.2	9.9	
					2		364	0.0	0.5	2.2	1.7	17.0	0.3	9.1	
					3		333	0.0	0.3	2.4	7.2	23.1	0.9	11.1	
					4		360	0.0	0.6	1.9	9.7	26.7	0.6	12.8	
					5		134	0.0	0.0	3.0	4.5	20.1	0.7	3.7	
			M		0.	-5.99	894	0.0	0.3	1.6	6.6	21.9	1.1	10.7	
			M		0.	-0.99	122	0.0	1.6	0.8	3.3	12.3	0.8	9.8	
			M		1		163	0.0	0.0	1.2	11.0	31.9	3.1	12.9	
			M		2		189	0.0	0.5	1.1	5.3	18.5	0.0	11.6	
			M		3		158	0.0	0.0	2.5	6.3	20.2	1.3	10.8	
			M		4		186	0.0	0.0	1.1	8.6	25.3	0.5	10.7	
			M		5		76	0.0	0.0	3.9	1.3	19.7	1.3	5.3	
			F		0.	-5.99	851	0.0	0.7	2.9	6.0	21.4	0.6	9.2	
			F		0.	-0.99	108	0.0	0.9	0.0	0.9	9.3	0.0	8.3	
			F		1		161	0.0	0.6	5.6	5.0	24.2	1.2	6.8	
			F		2		175	0.0	0.6	3.4	2.3	15.4	0.6	6.3	
			F		3		175	0.0	0.6	2.3	8.0	25.7	0.6	11.4	
			F		4		174	0.0	1.1	2.9	10.9	28.2	0.6	14.9	
F		5		58	0.0	0.0	1.7	8.6	20.7	0.0	1.7				
National	1986				6		26705					14.5	First grade students	00176	
					7		35064								20.7

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							-3SD	-2SD	+2SD	-3SD	-2SD	-3SD			-2SD				
National		1986			8	24605						25.9		00176					
					9	13891						32.7							
Regional	JUN	1988			0.	-4.99	2822	0.4	2.3		7.3	21.9	2.0	10.9	Managua region	00226			
					0.	-0.49	249	0.8	2.2		1.4	4.0	1.1	4.3					
					0.50-0.99		295	1.8	4.6		6.5	16.8	6.3	15.8					
					1		601	0.6	3.1		7.1	22.6	2.4	12.6					
					2		594	0.2	1.8		10.2	29.7	1.6	11.2					
					3.	-4.99	1083	0.1	1.6		7.4	22.6	1.1	10.2					
					URBAN	0.	-4.99	2253					19.7				9.9	Children in poor areas	
					URBAN	0.	-4.99	96					6.3				1.0	Children in residential areas	
					RURAL	0.	-4.99	473					30.1				15.2		
					Local	JUN-DEC	1988	URBAN	0.	-5.99	1070		1.0				33.0		15.0
			URBAN	0.	-0.49	105		1.0		17.0		4.0							
			URBAN	0.50-0.99		135		2.0		27.0		21.0							
			URBAN	1.00-1.49		113		2.0		35.0		22.0							
			URBAN	1.50-1.99		96		4.0		38.0		21.0							
			URBAN	2		188		0.0		37.0		12.0							
			URBAN	3		164		0.0		38.0		14.0							
			URBAN	4		149		1.0		37.0		11.0							
			URBAN	5		120		0.0		30.0		8.0							
Local		1990			0.	-4.99	1004				21.0		10.0	Los Zarzales	01015				
					0.	-0.49	123				10.0		4.0						
					0.50-0.99		114				18.0		9.0						
					1.00-1.49		97				13.0		11.0						
					1.50-1.99		122				27.0		16.0						
					2		176				27.0		12.0						
					3		194				22.0		9.0						
					4		178				28.0		9.0						
					URBAN	0.	-4.99	692					6.0			20.0		8.0	Managua
					RURAL	0.	-4.99	312					5.0			22.0		15.0	Los Zarzales
National	FEB-JUN	1993			0.	-4.99	3546	0.2	1.9	2.8	7.8	22.5	1.3	11.0		01429			
					0.	-4.99	507	0.4	1.0	2.4	9.3	25.4	1.2	12.2	Atlantic coast region				

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	Months	Year					WEIGHT/HEIGHT			HEIGHT/AGE		WEIGHT/AGE				
							-3SD	-2SD	+2SD	-3SD	-2SD	-3SD			-2SD	
National	FEB-JUN	1993			0. -4.99	552	0.0	0.7	1.3	7.8	20.8	0.5	10.5	Central region	01429	
					0. -4.99	717	0.0	1.5	2.9	2.5	14.1	0.7	6.8	Managua region		
					0. -4.99	393	0.3	1.5	2.3	11.2	31.8	1.5	14.8	Northern region		
					0. -4.99	523	0.2	3.4	3.4	13.6	31.4	2.3	14.5	Segovias region		
					0. -4.99	418	0.5	3.1	6.5	6.0	16.0	1.0	7.2	Southern region		
					0. -4.99	436	0.5	2.1	0.9	6.7	22.5	2.3	13.3	Western region		
					0. -0.49	336	0.0	1.8	6.3	0.0	3.6	0.0	1.5			
					0.50-0.99	385	1.0	3.1	3.6	4.7	13.0	2.1	10.4			
					1	705	0.3	4.0	3.1	6.2	22.7	1.6	12.1			
					2	708	0.1	1.0	1.7	8.1	23.2	1.6	12.9			
					3	716	0.1	1.1	2.4	10.1	27.7	1.4	11.7			
					4	696	0.0	0.7	1.7	12.4	30.9	0.9	12.4			
					URBAN	0. -4.99	1767	0.1	1.8	3.6	4.2	15.5	0.9	7.7		
					RURAL	0. -4.99	1779	0.3	2.0	1.9	11.4	29.5	1.7	14.3		
					M	0. -4.99	1793	0.3	2.2	2.1	8.0	23.9	1.3	11.4		
					M	0. -0.49	190	0.0	2.6	5.8	0.0	4.2	0.0	2.1		
					M	0.50-0.99	194	1.5	5.2	3.6	6.7	15.5	3.1	14.4		
					M	1	340	0.3	3.8	2.1	6.5	25.0	1.8	14.4		
					M	2	337	0.3	0.9	0.9	7.4	23.7	0.9	13.9		
					M	3	370	0.3	1.4	1.6	10.8	29.7	1.4	9.2		
					M	4	362	0.0	0.8	0.8	12.2	32.0	0.8	11.6		
					F	0. -4.99	1753	0.1	1.5	3.5	7.6	21.1	1.3	10.7		
					F	0. -0.49	146	0.0	0.7	6.8	0.0	2.7	0.0	0.7		
					F	0.50-0.99	191	0.5	1.0	3.7	2.6	10.5	1.0	6.3		
					F	1	365	0.3	4.1	4.1	6.0	20.5	1.4	9.97		
					F	2	371	0.0	1.1	2.4	8.6	22.6	2.2	11.9		
					F	3	346	0.0	0.9	3.2	9.2	25.4	1.4	14.5		
		F	4	334	0.0	0.6	2.7	12.6	29.6	0.9	13.2					
Local					0. -4.99	240				17.2		8.8	Poor households in Managua			
					0. -0.49					0.0		0.0				
					0.50-0.99					5.0		4.8				
					1.00-1.49					16.7		8.7				
					1.50-1.99					21.1		5.3				
					2					23.6		16.1				

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	Months	Year					WEIGHT/HEIGHT			HEIGHT/AGE		WEIGHT/AGE				
							-3SD	-2SD	+2SD	-3SD	-2SD	-3SD			-2SD	
Local	FEB-JUN	1993			3			0.0			23.4		6.4		01429	
					4			2.3			20.5		6.8			
National	DEC-MAY	1997-98			0. -4.99	6497	0.5	2.2	4.0	9.2	24.9	1.9	12.2		01918	
					0. -4.99	209	0.0	1.5	2.8	12.7	26.6	2.5	13.9	Boaco		
					0. -4.99	197	0.0	1.3	6.5	7.8	24.6	0.3	7.8	Carazo		
					0. -4.99	552	0.5	2.1	4.5	10.0	26.7	1.8	14.7	Chinandega		
					0. -4.99	188	1.1	2.2	5.5	8.1	19.9	0.4	9.6	Chontales		
					0. -4.99	266	0.3	1.1	6.4	8.4	23.7	1.1	8.6	Esteli		
					0. -4.99	179	0.0	1.6	3.9	7.5	22.7	2.0	10.2	Granada		
					0. -4.99	468	0.6	2.4	3.5	15.3	38.6	4.8	18.6	Jinotega		
					0. -4.99	477	0.4	2.9	5.0	8.0	23.1	1.7	13.2	Leon		
					0. -4.99	170	0.6	2.2	2.5	18.3	48.9	5.0	21.1	Madriz		
					0. -4.99	1672	0.3	2.0	3.5	5.5	15.0	2.0	10.5	Managua		
					0. -4.99	319	0.0	1.8	6.8	7.9	25.9	0.3	8.1	Masaya		
					0. -4.99	589	1.0	2.7	3.3	12.1	31.7	1.0	12.7	Matagalpa		
					0. -4.99	256	0.5	1.8	2.3	12.5	32.3	1.8	12.3	Nueva Segovia		
					0. -4.99	418	0.9	1.7	3.2	10.6	31.2	2.2	14.0	RAAN		
					0. -4.99	263	0.9	3.4	3.1	10.6	26.4	1.6	11.5	RAAS		
					0. -4.99	86	1.0	2.9	4.8	7.2	22.7	1.0	9.2	Rio San Juan		
					0. -4.99	188	0.7	2.6	3.3	4.3	15.5	2.0	9.2	Rivas		
					0. -0.49	599	0.0	3.0	7.0	1.9	4.6	0.4	2.2			
					0.50-0.99	671	0.5	1.9	4.9	3.6	13.2	2.0	9.7			
					1	1256	0.9	3.7	5.0	11.1	29.7	2.9	17.9			
					2	1260	0.5	1.7	2.1	9.3	25.5	2.1	13.9			
					3	1360	0.5	1.7	3.6	10.0	27.3	1.7	10.3			
					4	1352	0.2	1.3	3.3	12.4	32.3	1.6	12.8			
					URBAN	0. -4.99	3426	0.4	1.8	4.5	6.9	19.0	1.7	9.9		
					RURAL	0. -4.99	3070	0.6	2.6	3.4	11.6	31.5	2.2	14.7		
					M	0. -4.99	3183	0.6	2.2	3.5	10.0	26.5	2.2	13.1		
M	0. -0.49	312	0.0	2.2	6.5	3.4	6.4	0.8	3.6							
M	0.50-0.99	323	0.8	2.6	4.9	6.1	17.7	3.3	13.4							
M	1	614	1.4	4.3	3.2	11.0	30.3	4.0	18.8							
M	2	630	0.3	1.6	1.4	9.9	24.9	2.5	14.1							

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							-3SD	-2SD	+2SD	-3SD	-2SD	-3SD			-2SD
National	DEC-MAY	1997-98	M	3	643	0.7	2.0	3.2	12.1	30.4	1.8	11.4	01918		
			M	4	661	0.1	1.0	3.8	12.1	34.6	0.8	12.9			
			F	0. -4.99	3314	0.4	2.1	4.5	8.4	23.4	1.7	11.3			
			F	0. -0.49	287	0.0	4.0	7.6	0.3	2.6	0.0	0.6			
			F	0.50-0.99	348	0.2	1.2	4.9	1.3	9.0	0.7	6.3			
			F	1	642	0.5	3.1	6.8	11.1	29.2	1.9	17.1			
			F	2	630	0.7	1.8	2.9	8.8	26.1	1.8	13.7			
			F	3	717	0.4	1.4	4.0	8.0	24.5	1.7	9.2			
F	4	691	0.3	1.6	2.8	12.7	30.1	2.4	12.8						
National		1998		0. -4.99	2769	0.5	3.3	2.6	6.8	19.7	2.0	11.0	02433		
				0. -4.99	163	0.6	7.4	1.8	6.7	22.7	0.6	20.2		Atlantico Norte	
				0. -4.99	160	1.3	3.1	3.1	5.6	18.8	0.6	6.9		Atlantico Sur	
				0. -4.99	75	1.3	4.0	2.7	8.0	21.3	5.3	9.3		Boaco	
				0. -4.99	86	1.1	2.3	2.3	2.3	16.3	2.3	10.3		Carazo	
				0. -4.99	221	0.5	2.3	1.8	6.3	21.2	3.6	12.2		Chinandega	
				0. -4.99	86	1.2	1.2	1.2	2.3	11.6	1.2	4.7		Chontales	
				0. -4.99	101	1.0	3.0	1.0	5.0	19.0	2.0	12.9		Esteli	
				0. -4.99	91	0.0	2.2	2.2	7.7	19.8	1.1	10.0		Granada	
				0. -4.99	148	0.7	3.4	4.7	12.8	37.8	2.0	12.8		Jinotega	
				0. -4.99	254	0.0	1.2	1.2	6.7	19.3	2.8	10.2		Leon	
				0. -4.99	67	0.0	1.5	1.5	16.4	41.2	5.9	17.9		Madriz	
				0. -4.99	581	0.0	3.6	3.4	3.8	9.8	0.7	7.0		Managua	
				0. -4.99	179	0.6	3.4	2.8	7.3	19.7	2.8	13.4		Masaya	
				0. -4.99	345	0.6	5.8	1.7	10.7	24.9	3.2	13.0		Matagalpa	
				0. -4.99	81	1.2	1.3	6.2	11.1	30.0	2.5	16.0		Nueva Segovia	
				0. -4.99	51	0.0	0.0	3.9	5.9	17.6	0.0	9.6		Rio San Juan	
				0. -4.99	77	0.0	1.3	2.6	3.8	11.7	0.0	7.7		Rivas	
				0. -0.49	237	0.4	0.8	4.6	0.0	0.4	0.0	0.8			
				0.50-0.99	270	1.5	9.3	3.3	3.7	9.3	2.2	8.2			
				1	540	1.1	7.0	2.2	6.9	18.0	3.0	14.6			
				2	572	0.2	2.1	2.8	6.5	18.0	2.4	12.1			
	3	547	0.2	0.5	1.6	7.9	25.3	0.9	11.0						
	4	603	0.0	1.8	2.3	10.1	30.0	2.2	11.9						

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	Months	Year					-3SD	-2SD	+2SD	-3SD	-2SD	-3SD			-2SD	
National		1998	URBAN		0. -4.99	1347	0.2	2.7	3.8	5.3	15.8	1.4	9.5		02433	
				RURAL	0. -4.99	1420	0.6	3.9	1.3	8.2	23.4	2.6	12.4			
				M	0. -4.99	1393	0.4	3.3	2.4	6.7	20.3	2.2	11.9			
				M	0. -0.49	122	0.0	0.8	5.7	0.0	0.8	0.0	0.8			
				M	0.50-0.99	155	1.3	5.8	3.9	3.2	9.0	1.3	9.0			
				M	1	282	0.7	7.4	1.1	8.2	19.9	3.2	17.4			
				M	2	259	0.4	2.3	4.2	6.6	22.0	3.1	15.8			
				M	3	280	0.4	0.7	1.8	7.2	22.9	1.1	9.0			
				M	4	295	0.0	2.4	0.7	9.5	30.8	2.7	11.9			
				F	0. -4.99	1375	0.5	3.3	2.6	6.8	19.2	1.8	10.0			
				F	0. -0.49	115	0.9	0.9	3.5	0.0	0.0	0.0	0.9			
				F	0.50-0.99	114	1.8	14.0	2.6	4.3	9.6	4.3	7.0			
				F	1	258	1.6	6.6	3.5	5.4	15.9	2.7	11.2			
				F	2	313	0.0	1.9	1.3	6.4	15.0	1.9	9.3			
				F	3	267	0.0	0.4	1.5	8.2	28.1	0.7	12.7			
				F	4	308	0.0	1.3	3.9	10.7	29.2	1.6	12.0			
National	SEP-DEC	2001			0. -4.99	6242	0.3	2.0	4.7	6.3	20.2	1.8	9.6		02388	
					0. -4.99	198	1.5	2.5	7.6	7.6	23.2	4.0	11.6			Boaco
					0. -4.99	184	0.5	0.5	12.5	3.8	15.1	0.0	7.1			Carazo
					0. -4.99	539	0.0	1.1	3.7	6.5	20.0	1.3	10.2			Chinandega
					0. -4.99	176	0.6	2.8	6.3	2.3	14.9	0.0	6.3			Chontales
					0. -4.99	256	0.0	1.6	3.1	2.3	12.9	0.4	5.9			Esteli
					0. -4.99	116	0.9	1.7	4.3	2.6	13.8	0.9	7.8			Granada
					0. -4.99	487	1.0	4.9	3.3	12.1	36.6	3.3	19.3			Jinotega
					0. -4.99	394	0.0	0.8	3.0	3.0	13.2	1.5	6.3			Leon
					0. -4.99	201	0.5	2.0	3.0	11.9	35.3	3.5	16.4			Madriz
					0. -4.99	1348	0.0	1.4	2.9	2.1	8.2	1.0	5.3			Managua
					0. -4.99	302	0.0	1.0	5.0	5.3	18.3	2.7	8.6			Masaya
					0. -4.99	564	0.7	3.0	9.0	10.7	29.0	3.6	13.5			Matagalpa
					0. -4.99	238	0.4	2.5	4.2	6.7	21.3	1.3	9.2			Nueva Segovia
					0. -4.99	517	0.4	1.9	2.5	14.3	34.8	1.9	13.8			RAAN
					0. -4.99	446	0.2	1.8	7.8	5.8	22.6	1.8	7.8			RAAS
					0. -4.99	104	0.0	1.0	8.7	5.8	17.3	1.0	5.8			Rio San Juan

NICARAGUA

Country/Territory Administrative level	Dates of survey		Area	Sex	Age group (years)	Sample size	Percentage below/above median						Notes	Ref. No.	
	Months	Year					WEIGHT/HEIGHT			HEIGHT/AGE		WEIGHT/AGE			
							-3SD	-2SD	+2SD	-3SD	-2SD	-3SD			-2SD
National	SEP-DEC	2001			0. -4.99	171	0.0	2.3	2.3	2.3	14.5	1.2	8.7	Rivas	02388
					0. -0.49	521	0.0	1.7	6.2	0.4	2.3	0.0	1.7		
					0.50-0.99	564	0.5	2.8	6.4	3.0	10.1	2.5	9.6		
					1	1335	0.7	3.7	4.5	5.5	22.2	2.3	11.5		
					2	1291	0.2	1.4	2.7	6.9	18.8	1.9	10.0		
					3	1263	0.2	1.0	4.7	7.5	24.7	1.7	9.5		
					4	1269	0.1	1.5	5.5	9.4	26.8	1.4	10.6		
			URBAN		0. -4.99	3180	0.1	1.3	4.8	3.0	12.0	0.8	6.1		
			RURAL		0. -4.99	3062	0.4	2.7	4.6	9.7	28.7	2.8	13.2		
				M	0. -4.99	3183	0.4	2.3	4.6	6.2	20.3	1.9	10.1		
				M	0. -0.49	266	0.0	1.9	7.1	0.8	1.9	0.0	1.5		
				M	0.50-0.99	269	0.7	2.2	6.7	3.0	11.6	1.1	10.8		
				M	1	676	0.9	4.6	2.8	5.6	23.4	3.0	13.0		
				M	2	674	0.3	1.6	3.1	5.8	17.4	1.9	10.2		
				M	3	637	0.3	1.3	3.8	7.2	25.4	1.7	9.1		
				M	4	662	0.2	1.8	7.1	9.5	26.3	1.8	11.0		
				F	0. -4.99	3058	0.2	1.7	4.8	6.5	20.1	1.7	9.1		
				F	0. -0.49	255	0.0	1.6	5.5	0.0	2.7	0.0	2.0		
				F	0.50-0.99	295	0.3	3.4	6.1	3.1	8.8	3.7	8.5		
				F	1	659	0.5	2.7	6.2	5.3	21.1	1.7	9.9		
	F	2	617	0.2	1.3	2.3	8.1	20.4	1.9	9.7					
	F	3	625	0.0	0.8	5.6	7.7	24.0	1.8	9.9					
	F	4	608	0.0	1.0	3.9	9.2	27.3	1.2	9.9					