

# BRAZIL

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	1973-74	URBAN	0.	-4.99	989	0.5	4.7	0.8	22.0	45.6	9.5	30.6	Joao Pessoa (capital of Paraiba state)	00142		
			0.	-0.49	119	0.0	5.1	0.9	7.6	24.4	2.5	13.5				
			0.50-0.99	95	0.0	1.1	0.0	11.6	32.6	12.6	24.2					
			1.	-1.99	206	1.5	10.2	0.9	32.0	57.3	17.5	46.1				
			2.	-2.99	215	0.5	1.9	0.5	24.7	47.9	9.3	31.2				
			3.	-3.99	174	0.6	4.0	0.6	21.8	47.1	8.1	27.6				
			4.	-4.99	180	0.0	3.9	1.7	22.8	48.9	5.0	30.0				
			URBAN	M	0.	-4.99	478	0.4	3.6	0.6	19.7	43.7			8.4	25.3
			URBAN	M	0.	-0.49	55	0.0	3.6	0.0	3.6	21.8			1.8	12.7
			URBAN	M	0.50-0.99	50	0.0	0.0	0.0	10.0	34.0	12.0			22.0	
			URBAN	M	1.	-1.99	96	1.0	8.3	1.0	26.0	51.0			15.6	35.4
			URBAN	M	2.	-2.99	107	0.0	0.0	0.0	23.4	46.7			6.5	24.3
			URBAN	M	3.	-3.99	82	1.2	4.9	0.0	23.2	50.0			8.5	23.2
			URBAN	M	4.	-4.99	88	0.0	3.4	2.3	20.5	45.5			4.6	27.3
			URBAN	F	0.	-4.99	511	0.6	5.7	0.9	24.3	47.4			10.6	35.6
			URBAN	F	0.	-0.49	64	0.0	6.4	1.6	10.9	26.6			3.1	14.1
			URBAN	F	0.50-0.99	45	0.0	2.2	0.0	13.3	31.1	13.3			26.7	
			URBAN	F	1.	-1.99	110	1.8	11.8	0.9	37.3	62.7			19.1	55.5
			URBAN	F	2.	-2.99	108	0.9	3.7	0.9	25.9	49.1			12.0	38.0
			URBAN	F	3.	-3.99	92	0.0	3.3	1.1	20.7	44.6			7.6	31.5
URBAN	F	4.	-4.99	92	0.0	4.4	1.1	25.0	52.2	5.4	32.6					
Local	1973-74	URBAN	0.	-4.99	1162	0.0	1.1	1.5	12.7	32.0	3.1	15.0	Recife (capital of Pernambuco state)	00142		
			0.	-0.49	116	0.0	0.0	1.9	10.3	32.8	1.7	10.3				
			0.50-0.99	113	0.0	0.0	6.2	17.7	47.8	5.3	14.2					
			1.	-1.99	256	0.0	2.0	2.0	14.8	36.7	3.9	14.8				
			2.	-2.99	223	0.0	1.8	0.5	12.6	24.7	3.6	17.0				
			3.	-3.99	236	0.0	1.3	0.4	9.8	28.8	1.3	13.1				
			4.	-4.99	218	0.0	0.5	0.5	11.9	28.9	3.2	17.9				
			URBAN	M	0.	-4.99	568	0.0	0.9	1.6	12.9	31.2			3.5	13.6
			URBAN	M	0.	-0.49	61	0.0	0.0	3.6	9.8	29.5			3.3	9.8
			URBAN	M	0.50-0.99	60	0.0	0.0	8.3	18.3	51.7	8.3			18.3	
			URBAN	M	1.	-1.99	126	0.0	0.8	1.6	14.3	32.5			2.4	10.3
			URBAN	M	2.	-2.99	110	0.0	1.8	0.0	11.8	22.7			3.6	13.6

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	Months	Year					WEIGHT/HEIGHT			HEIGHT/AGE		WEIGHT/AGE					
							-3SD	-2SD	+2SD	-3SD	-2SD	-3SD			-2SD		
Local	1973-74		URBAN	M	3.	-3.99	109	0.0	0.9	0.0	8.3	27.5	0.0	10.1	00142		
			URBAN	M	4.	-4.99	102	0.0	1.0	0.0	15.7	31.4	5.9	20.6			
			URBAN	F	0.	-4.99	594	0.0	1.4	1.4	12.5	32.8	2.7	16.3			
			URBAN	F	0.	-0.49	55	0.0	0.0	0.0	10.9	36.4	0.0	10.9			
			URBAN	F	0.50-0.99	53	0.0	0.0	3.8	17.0	43.4	1.9	9.4				
			URBAN	F	1.	-1.99	130	0.0	3.1	2.3	15.4	40.8	5.4	19.2			
			URBAN	F	2.	-2.99	113	0.0	1.8	0.9	13.3	26.6	3.5	20.4			
			URBAN	F	3.	-3.99	127	0.0	1.6	0.8	11.0	29.9	2.4	15.8			
			URBAN	F	4.	-4.99	116	0.0	0.0	0.9	8.6	26.7	0.9	15.5			
National	1975				0.	-4.99	36969	1.2	5.0	7.6	14.2	32.0	5.4	18.4	00352		
					0.	-4.99	3137	0.9	3.9	6.8	8.1	25.5	2.0	13.3		Center-West region	
					0.	-4.99	3018	1.7	6.4	5.4	17.7	38.9	7.5	24.5		North region	
					0.	-4.99	13260	1.5	5.5	7.6	22.3	45.6	8.8	27.0		Northeast region	
					0.	-4.99	5746	0.7	3.6	8.0	9.8	25.1	2.6	11.7		South region	
					0.	-4.99	11814	1.2	5.2	7.5	8.6	22.0	3.5	13.4		Southeast region	
					0.	-0.49	3857	2.6	8.8	3.1	6.3	14.9	4.2	8.0			
					0.50-0.99	3760	1.9	6.4	3.2	13.0	31.0	5.4	14.9				
					1.	-1.99	6983	1.5	5.3	1.2	17.5	37.5	6.5	19.4			
					2.	-2.99	7422	0.9	4.9	0.4	13.2	30.2	5.7	22.1			
					3.	-3.99	7607	0.7	3.7	0.5	15.3	34.6	6.2	20.6			
					4.	-4.99	7340	1.1	4.6	0.5	15.1	35.3	3.7	18.8			
					URBAN	0.	-4.99	25208	1.2	4.9	7.7	10.9	25.9	4.3		14.6	
					RURAL	0.	-4.99	11767	1.3	5.2	7.4	18.2	39.2	6.6		22.8	
					M	0.	-4.99	18758	1.3	4.9	7.8	14.5	32.5	4.9		18.7	
					M	0.	-0.49	1998	2.0	7.5	17.9	6.2	15.4	3.9		7.9	
					M	0.50-0.99	1951	2.1	6.2	20.5	14.7	35.0	5.6	14.8			
					M	1.	-1.99	3508	1.5	5.4	10.8	19.5	40.4	6.8		19.7	
					M	2.	-2.99	3727	1.2	5.2	2.6	13.3	29.7	5.8		22.9	
					M	3.	-3.99	3868	0.8	3.5	3.7	13.9	32.8	5.0		24.7	
		M	4.	-4.99	3706	0.9	4.0	4.1	15.1	34.0	2.4	15.4					
		F	0.	-4.99	18211	1.2	5.1	7.4	14.0	31.6	5.8	18.2					
		F	0.	-0.49	1859	2.9	8.2	16.1	6.5	14.5	4.5	8.1					
		F	0.50-0.99	1809	1.5	5.9	20.9	11.1	26.6	5.3	15.0						

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	Months	Year					WEIGHT/HEIGHT			HEIGHT/AGE		WEIGHT/AGE				
							-3SD	-2SD	+2SD	-3SD	-2SD	-3SD			-2SD	
National		1975		F	1. -1.99	3475	1.5	5.0	11.7	15.6	34.7	6.2	19.1		00352	
					2. -2.99	3695	0.6	4.5	3.1	13.0	30.7	5.7	21.3			
					3. -3.99	3739	0.7	3.9	2.5	16.7	36.5	7.3	16.5			
					4. -4.99	3634	1.2	5.1	3.7	15.0	33.5	5.1	22.4			
Local	1980		URBAN		0.50-2.99	2129				5.7		27.5		31.3	Salvador (capital of Bahia)	00185
					0.50-0.99	935			6.3		15.8		24.6			
					1. -1.99	675			5.9		33.8		36.5			
					2. -2.99	519			4.3		40.5		36.5			
					RURAL	1. -4.99	225			4.4		50.7			8 engenhos da zona da Mata do estado de Pernambuco	00184
					RURAL	1. -1.99	56			5.4		44.6				
					RURAL	2. -2.99	58			5.2		55.2				
					RURAL	3. -3.99	58			5.2		48.3				
RURAL	4. -4.99	53			1.9		54.7									
Local	1980-83		URBAN		0. -2.99	5122			1.8		4.8		Manguinhos (slum area in Rio)	00183		
Local	1981-82		RURAL		0. -4.99	1257			2.9		31.9		Agreste (in Pernambuco state)	00186		
Province	1981-82				0. -5.99	3361	0.2	1.2	2.3	14.0	38.3	4.1	18.4	Paraiba state (first visit)	00175	
					0. -0.49	286	0.7	1.8	3.5	1.7	9.8	1.4	4.2			
					0.50-0.99	244	0.0	2.1	6.1	12.7	35.3	8.2	20.1			
					1. -1.99	574	0.3	2.4	4.4	17.3	44.3	8.5	22.8			
					2. -2.99	573	0.0	0.7	0.3	14.8	39.3	4.7	21.1			
					3. -3.99	606	0.0	0.8	1.8	16.3	38.5	3.1	19.1			
					4. -4.99	526	0.2	0.6	0.8	14.5	42.0	1.5	16.5			
					5. -5.99	552	0.2	0.7	2.2	13.8	43.3	1.6	18.5			
					M	0. -5.99	1674	0.1	1.0	2.2	14.9	38.9	4.4			18.6
					M	0. -0.49	144	0.0	0.7	3.5	2.8	15.3	1.4			4.9
					M	0.50-0.99	117	0.0	1.7	3.4	16.2	41.0	8.5			20.5
					M	1. -1.99	298	0.3	2.0	4.0	19.8	42.6	9.4			22.1
					M	2. -2.99	275	0.0	0.7	0.7	13.8	38.2	6.5			21.5
M	3. -3.99	306	0.0	0.7	2.6	16.7	38.9	2.6	17.3							
M	4. -4.99	253	0.4	0.8	0.4	14.2	43.1	1.2	18.6							
M	5. -5.99	281	0.0	0.4	1.8	15.3	43.4	1.8	19.9							

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	Months	Year					WEIGHT/HEIGHT			HEIGHT/AGE		WEIGHT/AGE				
							-3SD	-2SD	+2SD	-3SD	-2SD	-3SD			-2SD	
Province		1981-82		F	0. -5.99	1687	0.2	1.4	2.5	13.1	37.6	3.7	18.1		00175	
					0. -0.49	142	1.4	2.9	3.6	0.7	4.2	1.4	3.5			
					0.50-0.99	127	0.0	2.4	8.7	9.5	29.9	7.9	19.7			
					1. -1.99	276	0.4	2.9	4.4	14.5	46.0	7.6	23.5			
					2. -2.99	298	0.0	0.7	0.0	15.8	40.3	3.0	20.8			
					3. -3.99	300	0.0	1.0	1.0	16.0	38.0	3.7	21.0			
					4. -4.99	273	0.0	0.4	1.1	14.7	41.0	1.8	14.7			
F	5. -5.99	271	0.4	1.1	2.6	12.2	43.2	1.5	17.0							
Province		1981-82			0. -5.99	2351	0.0	1.0	2.0	14.9	39.2	3.3	18.2	Paraiba state (second visit)	00175	
					0. -0.49	156	0.0	1.3	2.6	1.3	8.3	1.3	3.2			
					0.50-0.99	201	0.0	1.0	4.0	10.5	26.9	3.5	19.9			
					1. -1.99	384	0.0	2.3	2.6	21.6	45.6	8.9	25.5			
					2. -2.99	408	0.0	1.2	2.2	13.5	39.2	3.7	17.7			
					3. -3.99	441	0.0	0.2	0.7	15.9	40.6	1.4	17.9			
					4. -4.99	413	0.2	0.7	1.7	16.7	44.5	1.9	16.7			
					5. -5.99	348	0.0	0.3	1.7	14.7	45.1	1.4	18.7			
					M	0. -5.99	1146	0.0	1.0	1.8	14.9	39.2	3.3			18.2
					M	0. -0.49	73	0.0	1.4	2.7	1.4	11.0	1.4			4.1
					M	0.50-0.99	104	0.0	1.9	2.9	15.4	33.7	5.8			22.1
					M	1. -1.99	198	0.0	2.5	2.0	20.7	46.5	8.1			24.2
					M	2. -2.99	198	0.0	1.5	3.0	15.1	34.9	3.5			16.2
					M	3. -3.99	212	0.0	0.0	1.4	15.6	36.8	1.4			18.4
					M	4. -4.99	181	0.0	0.0	1.1	14.4	42.5	0.5			12.7
					M	5. -5.99	180	0.0	0.6	0.6	15.0	45.0	2.2			19.4
					F	0. -5.99	1205	0.1	0.9	2.2	14.7	40.0	3.2			18.7
					F	0. -0.49	83	0.0	1.2	2.4	1.2	6.0	1.2			2.4
					F	0.50-0.99	97	0.0	0.0	5.1	5.1	19.6	1.0			17.5
					F	1. -1.99	186	0.0	2.1	3.2	22.6	44.6	9.7			26.9
F	2. -2.99	210	0.0	0.9	1.4	11.9	43.3	3.8	19.1							
F	3. -3.99	229	0.0	0.4	0.0	16.2	44.1	1.3	17.5							
F	4. -4.99	232	0.4	1.3	2.2	18.5	46.1	3.0	19.8							
F	5. -5.99	168	0.0	0.0	3.0	14.3	45.2	0.6	17.9							
Province	JUL	1982			1. -1.99				1.0			12.4		4.8		00182

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							-3SD	-2SD	+2SD	-3SD	-2SD	-3SD			-2SD	
Province	JUL	1982			1. -1.49				0.0			9.0		Rio Grande do Sul state	00182	
					1.50-1.99				1.9			15.5				4.8
					2. -2.99				0.0			12.3				2.8
					2. -2.49				0.0			11.2				2.0
					2.50-2.99				0.0			13.2				3.5
Local		1983	URBAN		0. -2.99	1499			0.9			6.5		Manguinhos (slum area in Rio de Janeiro)	00183	
			URBAN		0. -0.49	700			0.7			6.3				
			URBAN		0.50-0.99	283			0.4			5.3				
			URBAN		1. -1.99	297			1.0			7.8				
			URBAN		2. -2.99	219			2.2			6.8				
Local		1984			1. -1.49	1885			1.3			12.9		Pelotas	00213	
					1.50-1.99	2499			1.1			11.7		Pelotas		
					2. -2.25	549			0.9			12.2		Pelotas		
Regional		1986			0. -4.99	1132	0.2	0.9	3.5	10.2	29.4	2.8	12.8	Nordeste	00220	
					0. -0.49	100	0.0	1.0	5.8	1.9	10.7	0.0	4.9			
					0.50-0.99	124	0.0	1.6	7.9	7.1	18.9	8.7	11.0			
					1. -1.99	217	0.4	2.2	3.1	12.8	37.6	5.3	18.6			
					2. -2.99	227	0.0	0.0	2.6	12.9	30.9	2.1	13.3			
					3. -3.99	244	0.0	0.4	3.2	11.6	32.8	1.2	14.4			
					4. -4.99	220	0.4	0.9	1.8	8.8	30.4	0.9	9.3			
					URBAN	0. -4.99	550	0.3	1.0	3.8	6.3	23.0	2.6			10.3
					RURAL	0. -4.99	582	0.0	0.7	3.2	14.0	35.5	2.9			15.1
					M	0. -4.99	564	0.3	1.4	2.9	10.2	32.3	3.6			12.6
					M	0. -0.49	43	0.0	2.0	4.1	2.0	12.2	0.0			4.1
					M	0.50-0.99	57	0.0	3.1	4.7	7.8	28.1	12.5			14.1
					M	1. -1.99	103	0.8	2.5	3.4	13.6	42.4	7.6			23.7
					M	2. -2.99	99	0.0	0.0	3.5	9.7	26.5	1.8			8.8
					M	3. -3.99	109	0.0	0.8	1.6	13.0	35.8	0.8			13.0
		M	4. -4.99	99	0.9	0.9	1.8	8.9	34.8	0.9	7.1					
		F	0. -4.99	568	0.0	0.5	4.1	10.2	26.6	2.0	12.9					
		F	0. -0.49	48	0.0	0.0	7.4	1.9	9.3	0.0	5.6					
		F	0.50-0.99	56	0.0	0.0	11.1	6.3	9.5	4.8	7.9					

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							-3SD	-2SD	+2SD	-3SD	-2SD	-3SD			-2SD
Regional		1986		F	1. -1.99	96	0.0	1.9	2.8	12.0	32.4	2.8	13.0		00220
				F	2. -2.99	106	0.0	0.0	1.7	15.8	35.0	2.5	17.5		
				F	3. -3.99	112	0.0	0.0	4.7	10.2	29.9	1.6	15.7		
				F	4. -4.99	102	0.0	0.9	1.7	8.7	26.1	0.9	11.3		
Province		1987			0. -2.99	4349	0.8	2.4		10.2	27.2	2.8	12.4	Ceara state	00778
					0. -0.49	715	1.1	1.9		2.3	10.6	0.8	3.6		
					0.50-0.99	748	1.9	3.1		9.1	22.1	3.5	11.9		
					1. -1.99	1488	0.5	2.9		12.5	33.7	3.3	14.5		
					2. -2.99	1398	0.3	1.5		12.6	32.0	3.0	15.0		
				URBAN	0. -4.99	1160	1.0	2.7		7.4	19.3	2.1	8.5		
				RURAL	0. -4.99	3189	0.7	2.2		11.2	30.1	3.1	13.8		
				M	0. -2.99	2175	0.9	2.1		11.2	28.3	3.1	13.1		
				M	0. -0.49	361	1.4	2.0		2.6	12.1	1.3	4.0		
				M	0.50-0.99	385	2.1	2.4		10.1	24.6	3.6	13.2		
				M	1. -1.99	751	0.5	2.6		14.5	36.0	4.0	17.0		
				M	2. -2.99	678	0.4	1.4		12.7	30.6	2.9	13.6		
				F	0. -2.99	2174	0.6	2.5		9.3	26.3	2.5	11.8		
				F	0. -0.49	354	0.8	1.9		1.9	8.9	0.3	3.3		
				F	0.50-0.99	363	1.7	3.9		8.0	19.3	3.3	10.4		
	F	1. -1.99	737	0.4	3.1		10.4	31.3	2.7	12.1					
	F	2. -2.99	720	0.1	1.5		12.5	33.3	3.0	16.3					
Local		1988-90			0. -10.99	527		0.8			55.4			Aripuana Park; 3 Indian groups Gaviao Indians Surui Indians Zoro Indians	00784
					0. -10.99	97		1.1			38.0				
					0. -10.99	296		0.3			57.7				
					0. -10.99	134		1.6			63.5				
				M	0. -10.99	270		1.5			57.3				
				F	0. -10.99	257		0.0			53.4				
Local	AUG-JUN	1988-90	URBAN		1. -4.99	2660			6.5					Porto Alegre	02545
			URBAN		1. -1.99	761			9.7						
			URBAN		2. -2.99	660			2.9						
			URBAN		3. -3.99	650			5.2						
			URBAN		4. -4.99	589			8.3						

# BRAZIL

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	AUG-JUN	1988-90	URBAN	M	1. -4.99	1344										02545
			URBAN	F	1. -4.99	1316										
National		1989			0. -4.99	7314	0.6	2.0	5.4	4.2	15.4	1.2	7.0			00234
					0. -4.99	1458	0.5	2.0	3.5	1.8	8.2	0.7	4.0	Center-West region		
					0. -4.99	1000	0.6	3.1	5.2	6.4	23.0	1.4	10.7	North region		
					0. -4.99	2080	0.8	2.4	2.5	8.9	27.3	2.2	12.4	Northeast region		
					0. -4.99	1397	0.4	1.4	8.2	2.4	8.7	0.4	2.3	South region		
					0. -4.99	1379	0.6	1.9	7.3	1.2	8.1	0.6	4.2	Southeast region		
					0. -0.49	660	0.9	2.7	10.1	1.5	6.3	0.7	2.1			
					0.50-0.99	680	1.8	4.3	7.2	4.8	11.2	1.5	9.1			
					1. -1.99	1535	0.5	2.6	9.3	5.4	18.6	1.8	8.6			
					2. -2.99	1406	0.2	1.4	2.9	3.6	12.5	2.2	7.1			
					3. -3.99	1546	0.7	1.8	2.7	5.3	17.5	0.7	7.5			
					4. -4.99	1487	0.3	1.0	3.8	3.8	19.1	0.1	6.0			
					URBAN	0. -4.99	3821	0.6	2.0	6.2	3.0	12.3	0.8	5.5		
					RURAL	0. -4.99	3493	0.6	2.2	3.6	7.2	22.4	1.9	10.3		
					M	0. -4.99	3717	0.8	2.4	4.9	3.7	16.3	1.2	6.8		
					M	0. -0.49	331	0.4	2.8	12.9	2.1	7.9	0.6	1.7		
					M	0.50-0.99	350	3.1	7.6	6.1	4.7	13.5	1.2	11.2		
					M	1. -1.99	770	0.4	2.0	8.8	6.0	20.8	2.2	9.0		
					M	2. -2.99	719	0.1	1.2	2.7	2.9	12.6	2.1	6.8		
					M	3. -3.99	778	1.3	2.7	2.1	3.4	17.5	0.7	6.0		
					M	4. -4.99	769	0.4	1.0	2.6	3.1	19.5	0.1	5.8		
					F	0. -4.99	3597	0.4	1.7	5.9	4.9	14.5	1.1	7.2		
					F	0. -0.49	329	1.3	2.6	7.4	1.0	4.9	0.7	2.4		
		F	0.50-0.99	330	0.5	0.9	8.4	4.9	8.9	1.9	7.0					
		F	1. -1.99	765	0.5	3.1	9.7	4.9	16.7	1.4	8.2					
		F	2. -2.99	687	0.3	1.6	3.0	4.3	12.4	2.2	7.5					
		F	3. -3.99	768	0.1	1.0	3.3	7.4	17.5	0.6	9.2					
		F	4. -4.99	718	0.2	1.0	5.1	4.7	18.6	0.2	6.3					
Province		1989			0. -4.99	1038	1.3	3.2		5.5	16.1	1.5	7.5	Sergipe state	00778	
					0. -0.49	114	5.2	5.9		1.8	2.5	0.7	1.8			
					0.50-0.99	121	3.9	5.7		5.3	10.5	4.6	7.7			

# BRAZIL

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		
Province		1989			1.	-1.99	220	0.6	3.3		6.9	22.2	2.4	10.0		00778	
					2.	-2.99	208	0.6	1.6		4.1	12.8	0.0	7.5			
					3.	-3.99	194	0.0	1.0		4.7	19.4	0.0	4.9			
					4.	-4.99	181	0.0	4.0		8.5	21.2	1.9	10.5			
					URBAN	0.	-4.99	326	1.8	4.6		5.0	12.0	2.2			6.7
					RURAL	0.	-4.99	712	1.0	2.6		5.7	18.0	1.1			7.8
					M	0.	-4.99	540	1.9	4.7		5.6	16.7	1.5			7.2
					M	0.	-0.49	66	5.4	6.5		1.1	1.1	1.1			3.0
					M	0.50-0.99	55	7.3	10.0		7.7	12.7	6.3	9.0			
					M	1.	-1.99	109	1.2	6.0		7.0	22.8	1.2			9.2
					M	2.	-2.99	116	1.1	2.8		3.0	10.2	0.0			5.9
					M	3.	-3.99	99	0.0	0.7		4.3	18.8	0.0			2.2
					M	4.	-4.99	95	0.0	5.4		10.7	28.4	2.9			13.5
					F	0.	-4.99	498	0.6	1.6		5.2	15.5	1.4			7.8
					F	0.	-0.49	48	4.9	4.9		2.7	4.3	0.0			0.0
					F	0.50-0.99	66	1.1	2.2		3.4	8.7	3.1	6.5			
					F	1.	-1.99	111	0.0	0.7		6.8	21.6	3.6			10.9
					F	2.	-2.99	92	0.0	0.0		5.4	16.1	0.0			9.6
					F	3.	-3.99	95	0.0	1.4		5.1	20.1	0.0			7.8
F	4.	-4.99	86	0.0	2.3		6.0	13.3	0.9	7.3							
Regional	JAN-JUN	1989	URBAN		0.	-4.99	754		3.6			22.9		19.1	7 towns in Bahia (Northeast)	01692	
Province		1989			0.	-4.99	1093	0.3	1.3		3.2	14.2	0.5	6.2	Rio Grande do Norte state	00778	
					0.	-0.49	119	0.0	1.4		1.3	3.1	0.0	3.9			
					0.50-0.99	107	0.0	0.0		2.0	7.0	0.5	5.9				
					1.	-1.99	190	0.0	2.5		3.0	14.6	1.7	9.5			
					2.	-2.99	252	1.2	2.3		2.4	9.0	0.8	5.4			
					3.	-3.99	201	0.0	0.3		2.7	18.4	0.0	7.2			
					4.	-4.99	224	0.0	0.7		6.5	25.3	0.0	4.7			
					URBAN	0.	-4.99	336	0.9	2.7		1.8	10.1	0.5			5.6
					RURAL	0.	-4.99	757	0.0	0.7		3.8	16.0	0.6			6.5
					M	0.	-4.99	540	0.0	1.5		2.7	14.3	0.0			6.8
					M	0.	-0.49	60	0.0	2.5		0.0	1.0	0.0			2.5
M	0.50-0.99	48	0.0	0.0		4.4	12.0	0.0	10.8								

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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
Province		1989		M	1. -1.99	88	0.0	2.4		2.0	15.0	0.0	11.0		00778
				M	1. -1.99	102	0.0	2.7		3.8	14.2	3.2	8.3		
				M	2. -2.99	133	0.0	1.6		2.5	9.8	0.0	5.4		
				M	3. -3.99	104	0.0	0.6		4.1	20.2	0.0	8.3		
				M	4. -4.99	107	0.0	1.5		3.1	22.1	0.0	4.0		
				F	0. -4.99	553	0.6	1.2		3.7	14.1	1.1	5.7		
				F	0. -0.49	59	0.0	0.0		2.6	5.2	0.0	5.3		
				F	0.50-0.99	59	0.0	0.0		0.0	2.9	1.0	2.0		
				F	2. -2.99	119	2.6	3.1		2.3	8.2	1.8	5.5		
				F	3. -3.99	97	0.0	0.0		1.2	16.5	0.0	6.0		
	F	4. -4.99	117	0.0	0.0		9.7	28.3	0.0	5.4					
Province		1990			0. -2.99	2770	0.5	1.9		7.7	21.1	1.6	9.6	Ceara state	00778
					0. -0.49	412	0.2	1.2		2.6	5.4	0.2	1.4		
					0.50-0.99	466	0.6	1.7		5.6	18.3	1.3	8.6		
					1. -1.99	995	0.9	2.6		8.8	25.1	2.1	11.0		
					2. -2.99	897	0.2	1.5		10.0	25.7	1.8	12.3		
				URBAN	0. -2.99	731	1.0	2.5		4.8	15.0	1.3	7.1		
				RURAL	0. -2.99	2039	0.4	1.7		8.8	23.4	1.7	10.5		
				M	0. -2.99	1371	0.7	2.3		9.2	22.6	2.4	11.0		
				M	0. -0.49	211	0.5	1.9		3.7	6.4	0.5	1.9		
				M	0.50-0.99	199	0.0	1.5		7.0	19.6	1.5	8.0		
				M	1. -1.99	513	1.2	3.1		9.9	26.8	2.9	12.4		
				M	2. -2.99	448	0.4	2.0		12.0	26.7	3.1	14.9		
				F	0. -2.99	1399	0.4	1.5		6.3	19.9	0.8	8.2		
				F	0. -0.49	201	0.0	0.5		1.4	4.3	0.0	1.0		
				F	0.50-0.99	267	1.1	1.8		4.5	17.2	1.1	8.9		
				F	1. -1.99	482	0.6	2.1		7.7	23.4	1.2	9.5		
	F	2. -2.99	449	0.0	1.1		8.0	24.7	0.4	9.7					
Province		1991			0. -4.99	1244	0.7	2.9		12.3	31.0	4.1	18.4	Maranhao state	00778
					0. -0.49	125	0.8	0.8		2.3	6.3	0.8	3.2		
					0.50-0.99	136	1.3	5.1		5.9	18.9	3.9	14.5		
					1. -1.99	244	0.6	4.1		12.5	32.8	4.4	23.2		

# BRAZIL

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
Province		1991			2.	-2.99	253	0.4	3.3		13.4	30.7	7.5	24.1	00778
					3.	-3.99	248	0.4	2.1		17.4	36.9	2.8	16.3	
					4.	-4.99	238	1.0	1.9		14.6	43.2	3.6	19.9	
			URBAN		0.	-4.99	189	1.2	3.0		4.7	14.1	0.6	10.6	
			RURAL		0.	-4.99	1055	0.6	2.9		13.7	34.1	4.8	19.8	
				M	0.	-4.99	632	0.4	3.0		14.1	34.0	4.0	20.4	
				M	0.	-0.49	63	0.0	0.0		4.5	11.0	1.5	6.2	
				M	0.50-0.99	70	0.9	6.8		7.0	23.4	4.5	17.3		
				M	1.	-1.99	130	0.7	3.4		14.9	37.5	4.5	26.9	
				M	2.	-2.99	132	0.0	2.9		17.1	35.4	9.0	26.9	
				M	3.	-3.99	120	0.0	3.4		17.0	36.5	1.4	13.7	
				M	4.	-4.99	117	0.8	1.6		16.5	44.8	1.6	22.1	
				F	0.	-4.99	612	1.0	2.7		10.4	28.0	4.2	16.3	
				F	0.	-0.49	62	1.5	1.5		0.0	1.5	0.0	0.0	
				F	0.50-0.99	66	1.7	3.4		4.7	14.2	3.3	11.6		
				F	1.	-1.99	114	0.4	4.8		9.8	27.6	4.2	18.8	
				F	2.	-2.99	121	0.8	3.7		9.4	25.6	5.8	21.0	
				F	3.	-3.99	128	0.9	0.9		17.7	37.3	4.0	18.6	
	F	4.	-4.99	121	1.2	2.1		12.8	41.8	5.6	17.9				
Province		1991			0.	-4.99	1026	0.3	1.8		6.2	19.9	1.4	6.7	Paraiba state 00778
					0.	-0.49	92				2.2	8.8	1.4	3.0	
					0.50-0.99	110				2.5	9.5	0.7	5.2		
					1.	-1.99	206				8.5	22.8	2.0	8.6	
					2.	-2.99	205				4.0	14.8	1.0	5.5	
					3.	-3.99	210				5.9	23.8	1.0	4.2	
					4.	-4.99	203				8.7	27.6	1.4	9.7	
			URBAN		0.	-4.99	183				2.1	15.6	1.4	6.4	
			RURAL		0.	-4.99	843				7.0	20.8	1.4	6.7	
				M	0.	-4.99	548				6.2	19.3	1.4	6.6	
				M	0.	-0.49	56				2.3	10.6	2.3	2.3	
				M	0.50-0.99	57					2.6	5.2	1.3	7.4	
				M	1.	-1.99	115				9.9	24.4	2.4	11.3	
				M	2.	-2.99	107				4.5	15.4	0.7	5.2	

# BRAZIL

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
Province		1991		M	3. -3.99	107				6.4	22.0	1.2	2.6		00778
				M	4. -4.99	106				7.7	27.0	0.7	9.0		
				F	0. -4.99	478				5.6	20.2	1.1	6.2		
				F	0. -0.49	36				2.0	6.0	0.0	4.0		
				F	0.50-0.99	53				2.5	14.4	0.0	2.8		
				F	1. -1.99	91				6.9	21.1	1.6	5.4		
				F	2. -2.99	98				3.4	14.1	1.3	5.8		
				F	3. -3.99	103				5.4	25.6	0.7	5.8		
	F	4. -4.99	97				9.9	28.4	2.1	10.5					
Province		1991			0. -4.99	916	0.5	1.8		7.4	20.5	1.8	7.5	Pernambuco state	00778
					0. -0.49	81	0.0	0.0		1.1	6.0	1.1	2.2		
					0.50-0.99	87	3.3	8.5		6.6	19.1	5.3	11.9		
					1. -1.99	193	0.6	3.4		7.3	23.7	3.0	8.4		
					2. -2.99	205	0.0	0.6		5.3	18.6	2.1	7.8		
					3. -3.99	175	0.5	1.0		11.6	25.8	0.5	4.6		
					4. -4.99	175	0.0	0.0		9.1	21.4	0.0	9.5		
				URBAN	0. -4.99	316	0.7	2.1		3.7	13.5	1.6	6.1		
				RURAL	0. -4.99	600	0.4	1.6		9.3	24.2	1.9	8.3		
				M	0. -4.99	447	0.5	2.3		7.0	21.6	2.0	7.1		
				M	0. -0.49	34	0.0	0.0		0.0	0.0	0.0	0.0		
				M	0.50-0.99	44	1.9	12.1		5.8	21.9	5.8	14.1		
				M	1. -1.99	99	1.2	4.1		6.7	23.8	4.1	8.8		
				M	2. -2.99	105	0.0	0.0		4.9	20.5	2.2	6.6		
				M	3. -3.99	90	0.0	1.0		8.2	19.9	0.0	1.9		
				M	4. -4.99	75	0.0	0.0		12.6	32.0	0.0	11.1		
				F	0. -4.99	469	0.6	1.4		7.8	19.4	1.6	7.9		
				F	0. -0.49	47	0.0	0.0		1.8	10.2	1.8	3.6		
				F	0.50-0.99	43	4.7	4.7		7.4	16.1	4.7	9.4		
				F	1. -1.99	94	0.0	2.8		8.0	23.6	1.8	7.9		
	F	2. -2.99	100	0.0	1.1		5.7	16.6	2.0	9.1					
	F	3. -3.99	85	1.0	1.0		15.3	32.2	1.0	7.5					
	F	4. -4.99	100	0.0	0.0		6.4	13.3	0.0	8.4					
Province		1991			0. -4.99	1262	0.1	1.5		7.9	23.1	2.2	12.5	Piaui state	00778

# BRAZIL

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	
Province		1991			0. -0.49	118	0.6	0.6		1.4	2.0	1.4	1.4		00778	
					0.50-0.99	126	0.0	0.0		2.3	7.9	1.7	5.2			
					1. -1.99	252	0.0	2.8		10.1	23.8	5.2	16.5			
					2. -2.99	275	0.0	3.1		7.6	28.5	1.3	17.6			
					3. -3.99	260	0.3	0.9		9.8	29.0	1.7	12.4			
					4. -4.99	230	0.0	0.0		10.0	28.1	1.5	12.1			
					URBAN	0. -4.99	344	0.0	0.9		2.8	11.3	0.0			6.6
					RURAL	0. -4.99	917	0.2	1.7		9.8	27.5	3.1			14.8
					M	0. -4.99	654	0.1	1.9		8.3	25.2	2.3			12.9
					M	0. -0.49	54	1.3	1.3		3.0	4.3	3.0			3.0
					M	0.50-0.99	61	0.0	0.0		3.5	10.5	1.2			2.4
					M	1. -1.99	147	0.0	3.7		11.8	27.6	6.8			19.8
					M	2. -2.99	149	0.0	3.1		6.4	28.5	1.4			18.4
					M	3. -3.99	123	0.0	1.3		9.9	28.8	0.0			6.5
					M	4. -4.99	120	0.0	0.0		9.6	31.4	0.6			14.0
					F	0. -4.99	608	0.1	1.0		7.4	20.7	2.2			12.2
					F	0. -0.49	64	0.0	0.0		0.0	0.0	0.0			0.0
					F	0.50-0.99	65	0.0	0.0		1.1	5.5	2.2			8.0
					F	1. -1.99	106	0.0	1.5		7.8	18.5	2.9			11.8
					F	2. -2.99	126	0.0	3.1		8.9	28.3	1.1			16.6
		F	3. -3.99	137	0.5	0.5		9.8	29.3	3.3	17.8					
		F	4. -4.99	110	0.0	0.0		10.4	24.4	2.6	10.1					
Regional		1992			0. -4.99	1298				18.1			Alagos	00778		
					0. -4.99	1046					14.4				Bahia	
Local		1995	URBAN		0. -4.99	2194		2.5		7.0		4.1	Niteroi, Rio de Janeiro State	02450		
			URBAN		0. -4.99	570		3.3		9.1		7.4	East district			
			URBAN		0. -4.99	612		3.9		7.1		3.6	North district			
			URBAN		0. -4.99	1102		1.3		5.8		2.6	South centre			
			URBAN		0. -0.99	625		2.1		6.7		2.7				
			URBAN		1. -1.99	534		1.3		8.1		3.5				
			URBAN		2. -2.99	383		3.1		7.8		7.0				
			URBAN		3. -3.99	359		3.6		6.1		4.2				

# BRAZIL

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		1995	URBAN		4. -4.99	293			3.8			5.1		3.7		02450
National		1996			0. -4.99	3815	0.4	2.3	4.9	2.5	10.5	0.6	5.7			01680
					0. -4.99	478	0.3	2.5	5.6	0.6	5.3	0.0	5.5	Centro-Leste		
					0. -4.99	260	0.6	2.9	2.7	0.5	8.2	0.5	3.0	Centro-Oeste		
					0. -4.99	1329	0.5	2.8	4.5	4.9	17.9	0.9	8.3	Nordeste		
					0. -4.99	212	0.2	1.2	4.5	3.9	16.2	0.4	7.7	Norte		
					0. -4.99	315	1.4	4.8	6.7	1.9	2.9	1.4	3.8	Rio de Janeiro		
					0. -4.99	718	0.0	1.4	5.5	1.1	6.3	0.6	4.7	Sao Paulo		
					0. -4.99	503	0.3	0.9	4.7	0.9	5.1	0.3	2.0	Sul		
					0. -0.49	380	0.5	3.0	8.1	0.8	3.4	0.0	0.4			
					0.50-0.99	412	1.3	3.9	7.1	2.2	10.2	1.4	6.2			
					1. -1.99	769	0.7	2.9	6.6	3.7	15.1	1.3	6.3			
					2. -2.99	745	0.2	2.2	1.9	2.2	8.9	0.5	6.7			
					3. -3.99	769	0.1	1.3	3.0	2.0	9.1	0.2	5.3			
					4. -4.99	740	0.1	1.8	5.3	3.2	12.4	0.5	6.8			
			URBAN		0. -4.99	2903	0.4	2.3	5.0	1.6	7.8	0.5	4.6			
			RURAL		0. -4.99	912	0.5	2.6	4.7	5.5	19.0	0.9	9.2			
				M	0. -4.99	1926	0.3	2.3	4.7	3.1	11.5	0.5	5.9			
				M	0. -0.49	162	0.2	1.6	6.2	0.4	4.0	0.0	1.0			
				M	0.50-0.99	195	1.3	5.1	8.6	1.4	11.4	1.3	6.9			
				M	1. -1.99	407	0.6	2.7	7.2	4.6	16.2	1.0	8.1			
				M	2. -2.99	380	0.3	2.2	2.6	3.1	8.7	0.3	6.6			
				M	3. -3.99	399	0.0	1.1	3.3	2.8	10.7	0.4	4.2			
				M	4. -4.99	382	0.0	2.0	3.2	3.9	13.4	0.0	6.4			
				F	0. -4.99	1890	0.5	2.4	5.1	2.0	9.4	0.8	5.4			
				F	0. -0.49	218	0.7	4.1	9.5	1.2	2.9	0.0	0.0			
				F	0.50-0.99	217	1.3	2.9	5.8	3.0	9.0	1.5	5.5			
				F	1. -1.99	362	0.7	3.0	6.0	2.7	13.8	1.6	4.4			
				F	2. -2.99	365	0.2	2.1	1.3	1.4	9.0	0.8	6.8			
				F	3. -3.99	369	0.1	1.4	2.7	1.1	7.4	0.0	6.4			
				F	4. -4.99	359	0.3	1.7	7.6	2.5	11.4	1.0	7.1			