

MOROCCO

Admin. level	Months	Year	Area	Sex	Age group	Sample size	Percentage below / above median															Notes	Ref
							Weight/age		Height/age		Weight/height					BMI / age							
							-3SD	-2SD	-3SD	-2SD	-3SD	-2SD	+1SD	+2SD	+3SD	-3SD	-2SD	+1SD	+2SD	+3SD			
National		1987			0. -5.00	5473	3.6	12.7	13.4	34.5	1.5	3.9	23.8	5.5	1.1	1.6	3.5	28.9	8.1	1.4	Centre Centre-Nord Centre-Sud Nord-Ouest Oriental Sud Tensift	00441	
					0. -5.00	1416	3.0	10.9	10.7	30.1	1.3	3.7	23.2	6.3	1.5	1.3	3.5	27.1	8.9	1.8			
					0. -5.00	843	2.7	11.6	13.5	36.5	0.7	2.2	24.8	5.5	1.0	0.7	1.9	31.8	8.4	1.3			
					0. -5.00	358	4.7	13.4	12.5	35.5	2.0	4.6	20.6	4.3	1.1	2.3	4.6	24.8	6.0	1.7			
					0. -5.00	1102	3.1	9.6	13.4	32.4	1.5	3.2	30.3	7.2	1.6	1.9	2.7	34.8	9.8	1.6			
					0. -5.00	387	1.6	6.7	8.7	26.2	1.3	1.6	28.9	3.9	0.3	1.3	2.1	34.1	7.0	0.5			
					0. -5.00	714	5.7	19.9	16.8	40.6	1.4	7.1	12.1	1.7	0.1	1.7	5.5	18.8	3.3	0.3			
					0. -5.00	653	5.5	18.7	18.4	42.9	2.8	5.4	24.1	6.9	1.1	2.9	5.3	29.7	9.9	2.2			
					0. -0.49	598	3.3	11.5	5.6	14.7	3.4	8.9	20.1	5.6	2.0	3.9	9.6	15.9	5.2	1.9			
					0.50-0.99	549	4.4	10.2	6.1	18.5	2.4	6.1	22.4	6.3	0.7	3.0	6.3	22.5	7.2	1.3			
					1. -1.99	1086	4.5	13.5	12.8	33.8	2.0	5.7	26.2	5.2	0.7	2.2	4.7	33.6	9.9	1.4			
					2. -2.99	1052	3.8	13.7	19.7	45.5	0.5	1.8	26.5	6.0	0.6	0.5	1.1	38.9	10.5	1.5			
					3. -3.99	1136	3.1	12.7	16.4	42.1	0.8	1.9	26.9	6.3	1.4	0.7	1.5	33.3	8.9	1.3			
					4. -5.00	1052	2.9	13.0	12.6	35.8	1.2	2.4	17.9	4.2	1.4	1.2	2.0	20.3	4.9	1.5			
					URBAN	0. -5.00	1898	1.3	6.2	7.3	23.8	1.1	2.2	28.4	7.0	1.2	1.1	2.1	32.2	9.8			1.6
					RURAL	0. -5.00	3575	4.9	16.2	16.6	40.3	1.7	4.8	21.3	4.7	1.1	1.9	4.3	27.2	7.2			1.3
					M	0. -5.00	2734	3.7	12.5	13.3	35.1	1.3	4.0	23.8	5.9	1.2	1.6	3.6	29.8	8.9			1.6
					M	0. -0.49	291	3.4	12.4	5.7	16.3	4.2	11.6	21.1	6.3	1.4	5.5	12.8	17.3	5.9			1.4
					M	0.50-0.99	248	5.2	10.9	8.2	22.5	1.6	6.2	24.7	7.4	0.8	2.0	6.5	24.5	8.6			1.6
					M	1. -1.99	548	5.1	13.3	13.9	34.8	1.7	5.2	25.4	4.5	0.7	2.4	4.5	33.8	10.7			1.5
					M	2. -2.99	557	4.5	14.9	20.3	47.7	0.6	2.4	26.9	6.6	0.7	0.7	1.3	40.0	11.4			1.7
					M	3. -3.99	564	2.3	12.2	15.5	41.8	0.7	2.0	25.9	6.8	1.8	0.7	1.6	32.8	10.2			1.5
					M	4. -5.00	526	2.3	10.1	9.5	31.1	0.4	1.4	17.9	4.5	1.4	0.4	0.8	21.2	5.1			1.8
					F	0. -5.00	2739	3.6	13.0	13.4	34.0	1.7	3.8	23.7	5.2	1.0	1.6	3.4	28.1	7.2			1.3
					F	0. -0.49	307	3.3	10.7	5.5	13.4	2.6	6.3	19.2	5.0	2.6	2.3	6.6	14.5	4.6			2.3
					F	0.50-0.99	301	3.7	9.6	4.4	15.1	3.0	6.1	20.5	5.4	0.7	3.7	6.1	20.9	6.1			1.0
F	1. -1.99	538	3.9	13.8	11.6	32.8	2.2	6.2	27.1	6.0	0.6	2.1	4.9	33.3	9.2	1.3							
F	2. -2.99	495	3.0	12.3	19.0	43.1	0.4	1.2	26.1	5.3	0.4	0.2	0.8	37.7	9.6	1.2							
F	3. -3.99	572	3.8	13.1	17.3	42.5	0.9	1.8	27.8	5.7	1.1	0.7	1.4	33.7	7.7	1.1							
F	4. -5.00	526	3.6	16.0	15.7	40.4	1.9	3.5	18.0	3.9	1.4	1.9	3.3	19.4	4.7	1.2							

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Admin. level	Months	Year	Area	Sex	Age group	Sample size	Percentage below / above median															Notes	Ref
							Weight/age		Height/age		Weight/height					BMI / age							
							-3SD	-2SD	-3SD	-2SD	-3SD	-2SD	+1SD	+2SD	+3SD	-3SD	-2SD	+1SD	+2SD	+3SD			
National	JAN-APR	1992			0. -5.00	4654	2.4	8.1	11.1	29.9	1.1	2.6	35.5	10.7	2.8	1.1	2.7	40.7	13.7	3.1	Centre Centre nord Centre sud Nord ouest Oriental Sud Tensift	00561	
					0. -5.00	1205	2.7	8.0	10.1	27.9	1.6	3.2	38.1	13.8	4.5	1.4	3.5	41.8	16.8	4.7			
					0. -5.00	655	1.7	7.2	11.4	32.0	0.3	1.6	38.0	10.0	2.6	0.6	1.9	44.1	14.0	3.0			
					0. -5.00	332	1.5	5.1	11.9	27.7	0.9	2.1	37.5	10.4	2.1	0.6	1.2	42.8	13.2	3.1			
					0. -5.00	904	2.1	6.2	10.0	27.3	0.7	2.5	40.0	11.2	2.5	0.9	2.5	43.2	13.5	3.0			
					0. -5.00	325	0.9	3.1	4.7	18.5	1.0	1.3	37.4	13.4	2.9	1.0	1.6	42.5	13.7	2.9			
					0. -5.00	645	4.7	14.9	17.4	40.9	2.2	4.4	27.3	8.2	2.4	2.2	4.6	35.4	11.9	2.5			
					0. -5.00	588	2.0	8.8	10.7	30.8	0.8	2.0	27.8	6.3	1.0	0.8	1.9	34.6	9.3	0.7			
					0. -0.49	455	4.4	8.8	5.5	14.2	2.7	5.9	39.9	18.2	6.4	3.1	6.1	34.6	14.8	4.5			
					0.50-0.99	480	3.5	7.7	6.0	14.1	2.1	3.6	38.9	14.1	4.2	1.9	5.5	38.7	14.0	3.8			
					1. -1.99	950	2.1	7.9	11.8	33.5	0.7	2.2	40.9	11.8	2.2	0.9	2.0	50.9	18.3	3.1			
					2. -2.99	905	2.5	9.1	17.1	40.9	1.2	2.3	37.3	11.1	2.9	1.1	2.1	47.9	17.0	3.9			
					3. -3.99	923	2.4	8.3	13.3	33.8	0.8	2.5	34.6	8.5	2.3	0.7	2.4	41.1	11.8	2.7			
					4. -5.00	941	1.1	6.8	7.9	27.6	0.5	1.5	25.4	6.2	1.4	0.5	1.3	27.1	6.9	1.5			
					URBAN	0. -5.00	1601	0.9	2.6	4.8	19.0	1.2	2.3	40.7	13.4	3.5	1.1	2.4	44.0	15.7			4.0
					RURAL	0. -5.00	3053	3.2	10.9	14.4	35.6	1.1	2.8	32.8	9.4	2.5	1.1	2.9	39.0	12.6			2.6
					M	0. -5.00	2380	2.4	8.4	11.7	31.2	1.3	2.9	36.1	11.0	2.6	1.3	3.0	41.7	13.9			2.9
					M	0. -0.49	232	4.7	8.6	6.4	17.6	3.5	7.5	37.6	19.9	7.1	3.1	7.5	34.2	15.8			4.4
					M	0.50-0.99	248	4.0	8.5	6.9	16.6	2.8	4.5	38.2	14.2	4.1	2.5	7.4	39.3	13.9			3.3
					M	1. -1.99	487	2.5	8.2	11.8	35.1	1.0	2.5	41.8	13.0	2.1	1.3	2.3	50.8	19.2			3.3
					M	2. -2.99	453	3.1	10.2	20.2	42.4	1.1	2.3	36.9	10.0	2.0	1.1	2.3	47.1	14.5			3.0
					M	3. -3.99	488	1.4	8.2	12.1	33.5	0.8	2.5	35.9	7.6	1.4	0.8	2.1	42.9	11.5			2.3
					M	4. -5.00	472	0.4	6.8	8.2	28.4	0.4	1.5	27.6	7.6	2.2	0.4	1.1	30.9	9.3			2.2
					F	0. -5.00	2274	2.5	7.7	10.5	28.5	0.9	2.3	34.9	10.4	3.0	1.0	2.4	39.7	13.4			3.2
					F	0. -0.49	223	4.0	9.0	4.6	10.6	1.9	4.2	42.3	16.4	5.6	3.2	4.6	35.0	13.8			4.6
					F	0.50-0.99	232	3.0	6.9	5.1	11.5	1.3	2.6	39.7	14.0	4.4	1.3	3.5	38.0	14.0			4.4
					F	1. -1.99	463	1.7	7.6	11.7	32.0	0.4	2.0	39.9	10.6	2.4	0.4	1.7	51.0	17.4			2.8
F	2. -2.99	452	2.0	8.0	13.9	39.3	1.4	2.3	37.7	12.2	3.8	1.1	1.8	48.6	19.5	4.8							
F	3. -3.99	435	3.4	8.5	14.8	34.1	0.7	2.6	33.2	9.6	3.3	0.5	2.8	39.1	12.0	3.3							
F	4. -5.00	469	1.7	6.8	7.6	26.7	0.7	1.5	23.2	4.8	0.7	0.6	1.5	23.4	4.5	0.9							

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							Weight/age		Height/age		Weight/height					BMI / age							
							-3SD	-2SD	-3SD	-2SD	-3SD	-2SD	+1SD	+2SD	+3SD	-3SD	-2SD	+1SD	+2SD	+3SD			
National	NOV-SEP	1996-97			0. -5.00	3655	2.2	7.7	12.3	29.0	2.0	4.7	36.3	13.7	3.9	1.9	4.8	40.5	16.1	5.0		02523	
					0. -0.49	354	3.1	9.9	5.4	12.3	5.5	11.4	38.2	13.4	3.5	4.9	11.4	33.7	11.1	2.3			
					0.50-0.99	383	3.7	9.7	10.4	26.3	2.4	5.9	39.8	15.8	5.1	2.4	6.5	37.9	15.9	5.6			
					1. -1.99	689	2.8	7.0	15.6	31.3	2.4	5.0	42.1	17.9	5.3	1.9	4.5	50.9	23.6	8.2			
					2. -2.99	780	1.9	8.1	15.7	35.9	1.8	4.2	39.3	14.3	4.0	1.7	4.4	46.4	20.1	6.2			
					3. -3.99	694	1.9	6.2	12.6	30.0	1.2	2.9	34.1	12.9	3.1	1.3	3.4	40.7	14.3	4.2			
					4. -5.00	755	1.3	7.3	9.8	27.9	0.9	3.1	27.5	8.9	2.7	0.8	2.8	29.2	9.5	2.7			
					URBAN	0. -5.00	1475	0.9	3.7	7.3	18.6	1.5	4.4	38.5	14.3	3.4	1.8	4.8	42.5	16.8			5.1
					RURAL	0. -5.00	2180	3.2	10.4	15.7	36.0	2.4	5.0	34.9	13.2	4.2	1.9	4.8	39.1	15.7			5.0
					M	0. -5.00	1861	2.7	8.2	14.2	30.9	2.3	5.0	38.2	15.4	4.5	2.1	5.0	43.5	18.8			6.0
					M	0. -0.49	182	4.4	9.9	6.6	13.2	5.1	10.7	39.3	14.6	4.5	5.0	11.0	35.4	13.8			2.2
					M	0.50-0.99	202	5.9	11.9	13.9	27.2	3.6	8.1	41.1	17.3	5.6	3.6	8.2	39.5	17.4			6.7
					M	1. -1.99	350	3.1	8.3	19.2	33.4	2.6	5.2	46.1	20.0	5.8	1.8	4.4	55.7	28.2			10.0
					M	2. -2.99	399	2.5	9.5	16.3	39.4	2.3	4.8	39.4	14.4	4.3	2.0	4.6	48.5	21.4			6.6
					M	3. -3.99	351	2.3	6.6	13.3	31.1	1.7	3.2	32.8	15.1	3.2	1.7	4.1	40.1	16.0			5.2
					M	4. -5.00	377	0.3	5.3	11.9	30.0	0.5	2.4	32.4	11.8	4.0	0.5	2.4	36.5	13.4			4.0
					F	0. -5.00	1794	1.8	7.2	10.4	27.0	1.8	4.5	34.4	11.9	3.2	1.6	4.5	37.3	13.3			4.0
					F	0. -0.49	172	1.7	9.9	4.1	11.2	6.1	12.1	37.0	12.1	2.4	4.7	11.8	32.0	8.3			2.4
					F	0.50-0.99	181	1.1	7.2	6.6	25.3	1.1	3.4	38.4	14.1	4.5	1.1	4.5	36.2	14.1			4.5
					F	1. -1.99	339	2.4	5.6	12.0	29.0	2.1	4.8	38.0	15.7	4.8	2.1	4.6	45.9	18.8			6.4
F	2. -2.99	381	1.3	6.6	15.0	32.3	1.3	3.7	39.1	14.2	3.7	1.3	4.2	44.2	18.8	5.8							
F	3. -3.99	343	1.5	5.8	12.0	28.9	0.6	2.7	35.4	10.6	2.9	0.9	2.7	41.3	12.7	3.2							
F	4. -5.00	378	2.4	9.3	7.7	25.9	1.3	3.7	22.6	6.1	1.3	1.1	3.2	22.1	5.6	1.3							
National	OCT-FEB	2003-04			0. -5.00	5621	3.2	9.9	9.8	23.1	5.0	10.8	33.3	13.3	4.8	5.6	11.0	36.0	15.5	5.2		02690	
					0. -5.00	393	1.1	4.6	6.8	21.1	1.4	3.2	35.9	9.3	3.5	1.9	3.8	40.5	12.3	3.3			Chaouia-Ouardigha
					0. -5.00	424	5.5	13.7	7.6	20.2	7.3	14.8	27.3	11.6	4.4	7.4	14.1	29.7	12.3	4.7			Doukkala-Abda
					0. -5.00	289	2.8	8.4	11.8	24.3	4.0	9.6	46.6	20.9	8.2	5.6	10.9	46.0	22.6	9.0			Fes-Boulemane
					0. -5.00	308	1.1	7.3	12.4	28.6	1.2	5.1	29.7	12.2	3.4	1.3	5.8	33.1	14.6	3.0			Gharb-Chrarda-Bni Hssen
					0. -5.00	515	1.0	4.3	4.7	11.2	4.4	8.9	34.9	13.3	3.8	5.4	9.9	36.4	15.1	3.8			Grand-Casablanca
					0. -5.00	97	9.4	17.4	4.1	17.1	4.9	12.8	25.9	11.5	3.0	5.6	13.5	23.9	13.3	2.3			Guelmim-Es-Smara

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							Weight/age		Height/age		Weight/height					BMI / age							
							-3SD	-2SD	-3SD	-2SD	-3SD	-2SD	+1SD	+2SD	+3SD	-3SD	-2SD	+1SD	+2SD	+3SD			
National	OCT-FEB	2003-04			0. -5.00	627	7.1	21.8	17.1	32.5	13.3	21.4	29.7	13.6	5.4	14.0	21.6	32.3	16.9	6.4	Marrakech-Tensift-Al Haouz Meknes-Tafilalet Oriental Rabat-Sale-Zemmour-Zaer Souss-Massa-Draa Tadla-Azilal Tanger-Tetouan Taza-Al Hoceima-Taounate	02690	
					0. -5.00	375	1.6	7.0	8.5	17.7	2.9	8.6	27.0	11.3	4.4	2.6	10.1	28.9	11.4	3.9			
					0. -5.00	368	1.3	4.5	5.5	17.5	2.8	8.3	34.5	16.8	7.6	3.2	8.9	36.4	18.0	6.8			
					0. -5.00	347	2.6	8.1	8.1	18.7	1.7	5.3	40.1	15.9	5.8	2.5	5.6	40.3	18.0	6.0			
					0. -5.00	639	4.2	14.3	16.5	32.6	9.6	22.1	28.7	15.1	6.5	11.1	21.1	31.8	17.2	8.0			
					0. -5.00	265	3.1	9.7	10.6	32.3	1.5	4.4	37.0	14.9	5.4	2.1	4.7	43.4	16.6	5.2			
					0. -5.00	558	2.3	5.9	6.2	19.1	2.5	4.4	39.4	12.1	2.4	2.5	4.5	44.3	14.8	3.5			
					0. -5.00	400	3.5	8.6	9.8	24.4	3.3	9.3	30.8	9.2	3.3	3.9	8.9	34.7	13.9	3.6			
					0. -0.49	580	4.9	12.4	8.9	20.5	8.5	16.7	41.0	20.2	9.0	8.9	16.3	35.5	15.8	5.2			
					0.50-0.99	548	4.0	7.7	8.7	19.8	5.0	9.5	45.0	20.9	9.0	5.6	11.5	44.8	20.3	8.9			
					1. -1.99	1127	1.7	5.5	13.3	25.7	3.4	7.4	39.2	15.0	5.8	4.2	8.4	44.2	20.1	7.6			
					2. -2.99	1082	2.5	10.2	12.8	29.2	5.5	12.1	35.7	14.1	4.0	6.6	11.9	42.3	19.5	5.6			
					3. -3.99	1195	3.0	10.9	8.5	23.4	4.9	10.5	27.3	9.6	3.0	5.3	10.5	31.5	12.3	3.7			
					4. -5.00	1089	4.3	12.6	5.8	17.1	4.4	10.8	21.5	7.5	2.4	4.6	10.2	22.5	7.7	2.0			
					URBAN	0. -5.00	2849	1.7	6.3	6.6	17.1	4.0	9.3	36.3	14.0	4.9	4.7	9.5	37.9	15.5			4.9
					RURAL	0. -5.00	2772	4.7	13.5	13.1	29.3	5.9	12.3	30.2	12.6	4.7	6.5	12.5	34.1	15.4			5.5
					M	0. -5.00	2791	3.3	10.5	10.5	24.4	5.3	11.1	34.4	14.3	5.0	6.0	11.4	37.8	17.3			5.2
					M	0. -0.49	291	4.8	12.8	10.2	22.5	7.5	16.0	41.1	20.9	10.6	8.2	16.4	35.5	15.9			5.1
					M	0.50-0.99	257	2.7	7.9	9.0	19.5	6.3	11.2	44.6	18.4	6.3	6.4	12.8	45.7	18.9			7.4
					M	1. -1.99	546	2.7	6.3	13.6	27.1	3.6	8.5	36.9	15.6	5.6	4.7	9.8	42.6	21.8			7.6
					M	2. -2.99	541	2.3	11.7	13.8	30.9	7.0	13.8	36.8	16.2	4.9	7.9	13.7	42.9	22.8			6.4
					M	3. -3.99	583	2.9	11.0	9.3	24.9	4.9	9.9	31.8	11.8	4.1	5.4	9.7	36.8	15.7			4.4
					M	4. -5.00	573	4.7	12.8	6.6	18.4	4.4	10.0	24.7	8.6	2.0	4.9	9.3	27.2	9.4			1.8
					F	0. -5.00	2830	3.1	9.2	9.1	21.9	4.6	10.4	32.1	12.4	4.6	5.2	10.6	34.3	13.7			5.1
					F	0. -0.49	289	4.9	12.0	7.6	18.5	9.6	17.5	40.9	19.4	7.4	9.7	16.3	35.5	15.7			5.2
					F	0.50-0.99	291	5.1	7.5	8.4	20.1	3.8	7.9	45.4	23.2	11.5	4.8	10.4	43.9	21.6			10.2
F	1. -1.99	580	0.8	4.7	13.0	24.3	3.2	6.4	41.3	14.5	6.0	3.7	7.0	45.7	18.5	7.5							
F	2. -2.99	542	2.7	8.7	11.8	27.6	4.1	10.3	34.6	12.1	3.1	5.3	10.1	41.8	16.3	4.8							
F	3. -3.99	612	3.1	10.7	7.8	22.1	4.8	11.2	23.2	7.6	1.9	5.2	11.3	26.6	9.1	3.1							
F	4. -5.00	516	3.8	12.5	4.9	15.6	4.4	11.6	18.0	6.2	2.8	4.4	11.2	17.3	5.8	2.2							



						Percentage below / above median																
Admin. level	Months	Year	Area	Sex	Age group	Sample size	Weight/age		Height/age		Weight/height					BMI / age					Notes	Ref
							-3SD	-2SD	-3SD	-2SD	-3SD	-2SD	+1SD	+2SD	+3SD	-3SD	-2SD	+1SD	+2SD	+3SD		