

**SOUTH AFRICA**

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		1993-94			0.50-4.99	3689				31.5											Converted estimate	01502
National	JUL-JAN	1994-95			0.50-4.99	9807		8.0		28.7				10.3							Converted estimates	01520
National	FEB-JUL	1999			1. -4.99	1556		10.1		30.9				9.6							Converted estimates	02266
District	MAR-AUG	2003			0. -5.00	1689	2.4	8.2	10.4	26.2	1.8	4.0	36.7	12.9	3.6	1.9	4.2	41.1	15.5	4.8	Umkhanyakude & Zululand	02907
					0. -0.49	118	2.5	5.1	1.8	8.8	3.4	5.9	39.5	15.1	6.7	3.3	5.0	38.3	16.7	5.8		
					0.50-0.99	190	3.2	10	8.3	21.5	1.1	4.4	34.8	16.0	3.9	1.6	7.1	34.1	15.4	4.4		
					1. -1.99	401	2.2	7.0	12.5	28.5	2.8	4.8	39.7	16.0	4.6	1.6	3.1	47.8	20.0	7.5		
					2. -2.99	376	1.6	7.7	11.5	29.0	2.4	4.3	42.1	14.7	3.8	2.7	4.6	49.2	19.4	6.0		
					3. -3.99	315	1.9	7.6	9.8	28.9	0.7	2.3	34.9	9.9	2.3	0.7	2.6	39.7	11.9	2.6		
					4. -5.00	289	3.8	11.1	11.3	26.3	0.7	3.3	27.1	6.3	1.9	2.2	4.8	28.2	7.7	1.5		
				M	0. -5.00	809	2.3	7.8	10.6	27.4	2.3	4.6	38.3	14.1	3.8	2.3	5.0	41.9	17.3	5.4		
				M	0. -0.49	61	4.9	6.6	1.8	14.0	4.8	6.5	37.1	16.1	8.1	4.8	6.5	33.9	16.1	4.8		
				M	0.50-0.99	90	5.6	11.1	9.2	19.5	0.0	3.6	37.3	16.9	4.8	1.2	6.0	35.7	15.5	6.0		
				M	1. -1.99	177	1.1	6.8	11.1	33.9	2.9	5.2	42.8	20.2	4.6	1.2	3.0	51.8	24.4	8.9		
				M	2. -2.99	176	1.1	8.0	16.1	33.9	3.4	4.6	43.7	14.4	4.0	3.5	5.8	48.8	20.3	7.0		
				M	3. -3.99	162	1.2	5.6	10.2	26.1	1.3	3.2	36.8	10.3	1.3	1.3	3.9	40.3	14.3	2.6		
				M	4. -5.00	143	3.5	9.8	8.2	23.1	1.5	5.3	28.6	7.5	3.0	3.0	6.7	30.4	9.6	2.2		
				F	0. -5.00	880	2.5	8.5	10.1	25.0	1.4	3.5	35.2	11.8	3.4	1.5	3.5	40.3	14.0	4.2		
				F	0. -0.49	57	0.0	3.5	1.8	3.6	1.8	5.3	42.1	14.0	5.3	1.7	3.4	43.1	17.2	6.9		
				F	0.50-0.99	100	1.0	9.0	7.4	23.4	2.0	5.1	32.7	15.3	3.1	2.0	8.2	32.7	15.3	3.1		
				F	1. -1.99	224	3.1	7.1	13.5	24.3	2.7	4.5	37.3	12.7	4.5	1.8	3.2	44.7	16.6	6.5		
				F	2. -2.99	200	2.0	7.5	7.3	24.6	1.5	4.1	40.7	14.9	3.6	2.1	3.6	49.5	18.6	5.2		
				F	3. -3.99	153	2.6	9.8	9.5	31.8	0.0	1.3	32.9	9.4	3.4	0.0	1.4	39.2	9.5	2.7		
				F	4. -5.00	146	4.1	12.3	14.3	29.3	0.0	1.5	25.7	5.1	0.7	1.4	2.9	26.1	5.8	0.7		
District					0. -5.00	1615	3.6	9.2	12.1	31.7	2.1	4.3	37.5	14.1	4.5	1.9	4.1	40.8	15.8	5.5	OR Tambo & Alfred Nzo	
					0. -0.49	196	2.0	4.1	6.1	16.8	1.6	3.1	49.2	22.5	6.8	1.0	4.1	44.0	17.1	6.2		
					0.50-0.99	225	1.3	5.3	5.7	19.8	1.8	3.7	41.6	17.4	4.1	2.3	4.1	39.5	17.3	4.5		
					1. -1.99	378	4.2	10.1	13.6	33.5	2.4	5.1	37.1	14.2	4.8	1.4	3.8	42.6	18.6	6.0		
					2. -2.99	319	5.0	9.7	17.2	39.3	3.0	5.0	38.4	13.9	5.3	2.6	4.3	48.2	19.5	9.6		
					3. -3.99	245	2.0	10.6	14.9	41.3	2.5	5.0	35.7	11.8	3.8	2.6	4.3	40.8	12.9	3.4		

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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			
District		2003		M	4. -5.00	252	5.6	13.5	11.3	32.9	0.9	3.0	25.5	6.8	2.1	1.3	3.8	26.9	7.1	2.1		02907	
				M	0. -5.00	808	3.5	10.6	15.0	34.4	2.1	5.3	36.9	14.2	5.0	1.8	4.8	40.6	15.8	5.4			
				M	0. -0.49	103	1.9	4.9	7.7	17.3	1.0	4.0	56.0	24.0	7.0	1.0	5.0	48.5	16.8	5.0			
				M	0.50-0.99	111	0.9	6.3	8.6	23.8	0.9	4.6	36.1	16.7	4.6	1.9	5.6	34.3	16.7	4.6			
				M	1. -1.99	187	3.7	11.8	17.7	39.2	1.7	5.5	34.8	15.5	5.5	0.6	3.4	42.0	19.9	5.7			
				M	2. -2.99	145	5.5	10.3	25.2	46.8	3.6	5.1	42.3	14.6	6.6	2.2	3.6	54.7	22.6	12.4			
				M	3. -3.99	130	3.1	13.8	13.6	36.8	3.9	7.8	31.3	9.4	3.9	4.8	7.3	36.3	9.7	1.6			
				M	4. -5.00	132	4.5	14.4	12.7	34.1	0.8	4.1	25.2	6.5	2.4	0.8	4.8	26.4	7.2	2.4			
				F	0. -5.00	807	3.7	7.8	9.2	29.1	2.2	3.3	38.1	14.1	4.0	1.9	3.3	40.9	15.7	5.6			
				F	0. -0.49	93	2.2	3.2	4.3	16.1	2.2	2.2	41.8	20.9	6.6	1.1	3.3	39.1	17.4	7.6			
				F	0.50-0.99	114	1.8	4.4	2.8	15.9	2.7	2.7	46.8	18.0	3.6	2.7	2.7	44.6	17.9	4.5			
				F	1. -1.99	191	4.7	8.4	9.7	28.0	3.1	4.7	39.3	13.1	4.2	2.1	4.2	43.2	17.4	6.3			
				F	2. -2.99	174	4.6	9.2	10.4	32.9	2.4	4.8	35.2	13.3	4.2	3.0	4.8	42.8	16.9	7.2			
				F	3. -3.99	115	0.9	7.0	16.4	46.4	0.9	1.8	40.9	14.5	3.6	0.0	0.9	45.9	16.5	5.5			
				F	4. -5.00	120	6.7	12.5	9.6	31.6	0.9	1.8	25.9	7.1	1.8	1.8	2.7	27.4	7.1	1.8			
National	OCT-AUG	2003-05		0. -5.00	1354	5.4	11.6	16.8	32.8	4.0	7.4	39.0	19.2	7.6	3.4	6.7	41.6	21.4	9.6		03106		
				0. -5.00	170	5.2	10.5	22.1	31.3	1.8	4.3	53.4	27.6	13.5	0.0	2.5	56.0	28.9	13.4			Eastern Cape	
				0. -5.00	106	8.9	13.1	20.6	38.1	4.3	9.8	33.9	14.9	7.0	4.7	11.3	38.5	16.5	6.9			Free State	
				0. -5.00	301	2.6	9.1	15.3	32.4	3.1	6.3	43.7	22.8	7.9	3.0	5.2	44.2	24.1	11.1			Gauteng	
				0. -5.00	79	12.8	16.4	15.4	26.6	5.1	10.3	60.0	27.6	12.1	5.1	10.2	54.9	32.8	16.9			Kwa-Zulu Natal	
				0. -5.00	188	4.3	11.4	13.8	33.6	1.5	5.2	25.9	11.5	4.6	2.1	5.7	28.6	14.1	5.4			Limpopo	
				0. -5.00	139	2.7	6.8	15.0	29.1	3.2	7.2	37.9	14.3	5.9	3.4	6.5	42.0	16.4	5.6			Mpumalanga	
				0. -5.00	42	7.6	21.6	17.1	39.9	6.3	12.9	18.7	5.9	0.8	5.2	10.7	22.9	9.5	3.1			Northern Cape	
				0. -5.00	138	6.2	15.1	14.0	29.7	7.4	9.4	30.3	13.9	6.0	6.1	7.6	36.3	17.6	9.7			North West	
				0. -5.00	192	6.8	12.5	19.2	37.0	6.9	9.3	40.0	24.5	8.0	4.5	8.6	43.4	27.0	12.2			Western Cape	
				0. -0.49	152	7.8	15.8	20.3	31.0	7.2	11.3	47.9	32.2	21.4	4.6	12.9	43.2	29.9	14.4				
				0.50-0.99	180	4.7	9.0	21.0	28.6	6.0	12.1	48.9	24.6	12.1	4.2	11.6	47.4	24.9	15.9				
				1. -1.99	274	5.9	12.1	24.4	45.3	5.8	7.8	45.4	22.5	7.4	5.4	6.3	53.9	28.6	13.6				
				2. -2.99	244	3.8	9.4	17.5	36.4	2.7	6.4	40.6	19.0	3.7	2.9	5.5	45.8	24.5	8.3				
				3. -3.99	264	6.5	14.0	12.4	27.0	2.4	6.2	29.2	11.5	5.2	2.7	4.8	31.2	11.6	3.7				

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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	OCT-AUG	2003-05	URBAN		4. -5.00	238	4.3	9.8	7.4	25.8	1.9	4.3	29.1	13.2	4.1	1.3	3.9	30.2	13.9	6.0		03106	
					0. -5.00	884	5.2	11.7	16.1	31.5	5.1	8.6	41.1	21.2	7.3	4.2	7.7	42.8	23.0	10.1			
					0. -5.00	470	5.8	11.4	18.2	35.4	1.8	5.2	34.8	15.2	8.1	1.9	4.8	39.2	18.4	8.8			
			RURAL	M	0. -5.00	665	6.1	13.6	19.2	35.2	4.7	8.2	40.6	20.6	8.1	4.6	7.6	43.8	23.9	11.5			
					0. -0.49	68	15.3	20.4	25.8	34.5	5.0	6.8	51.9	35.2	19.8	6.6	10.9	49.4	37.6	20.2			
					0.50-0.99	81	2.5	8.0	29.1	36.3	7.5	10.4	55.2	27.0	19.8	4.1	9.3	57.2	28.9	24.1			
					1. -1.99	130	5.6	16.3	27.5	43.8	7.3	11.0	48.9	24.4	6.1	8.6	10.0	55.5	31.7	12.3			
					2. -2.99	129	4.3	12.4	17.1	36.1	3.7	7.6	37.4	18.7	4.2	4.1	7.6	42.1	26.1	10.3			
					3. -3.99	135	8.1	15.7	12.2	24.3	3.3	8.7	29.5	11.4	4.0	3.9	6.2	31.4	9.9	2.4			
					4. -5.00	121	3.8	9.4	9.8	36.0	2.5	4.4	32.3	17.8	5.6	1.3	3.8	35.1	18.5	9.4			
					F	0. -5.00	688	4.7	9.6	14.4	30.5	3.3	6.7	37.4	17.7	7.1	2.2	5.9	39.4	19.0			7.8
						0. -0.49	84	1.8	12.1	15.6	28.0	8.9	14.6	44.9	30.0	22.5	3.0	14.4	38.4	23.8			9.9
						0.50-0.99	99	6.5	9.8	13.4	21.5	4.5	13.7	42.9	22.3	4.8	4.2	13.7	38.2	21.2			8.2
						1. -1.99	144	6.1	8.3	21.4	46.7	4.5	4.9	42.1	20.8	8.6	2.5	2.8	52.4	25.6			14.9
						2. -2.99	115	3.2	6.0	18.1	36.8	1.5	5.0	44.3	19.3	3.1	1.5	3.1	50.0	22.7			6.2
						3. -3.99	129	4.8	12.2	12.7	29.8	1.4	3.5	28.9	11.7	6.6	1.4	3.4	31.0	13.5			5.0
						4. -5.00	118	4.8	10.1	4.9	15.2	1.4	4.3	26.0	8.6	2.7	1.4	4.1	25.5	9.4			2.6
National		2008			0. -5.00	2079		8.7		23.9		4.7				8.3	32.5	15.6		03051			