

MONGOLIA

Administrative 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								
Regional	JUL-AUG	1997			0. -5.00	439	1.6	8.2	12.8	31.1	0.7	2.3	25.4	5.2	1.1	0.9	2.1	28.4	6.6	1.8	Bulgan Dundgobi Ulaanbaatar	01910						
					0. -5.00	132	1.5	8.3	12.2	35.1	1.5	3.8	30.3	6.8	2.3	1.5	3.0	31.8	9.8	3.0								
					0. -5.00	95	2.1	9.5	12.6	33.7	0.0	0.0	20.8	2.1	0.0	0.0	0.0	22.6	2.2	2.2								
					0. -5.00	212	1.4	7.5	13.3	27.5	0.5	2.3	24.4	5.6	0.9	0.9	2.4	28.8	6.6	0.9								
					0. -0.49	58	1.7	8.6	5.3	12.3	1.7	3.3	28.3	3.3	1.7	1.7	3.3	21.7	3.3	0.0								
					0.50-0.99	56	1.8	3.6	12.5	30.4	1.8	1.8	36.4	9.1	3.6	1.8	1.8	34.5	7.3	3.6								
					1. -1.99	102	1.0	7.8	11.9	27.7	1.0	5.0	28.7	7.9	1.0	2.0	5.0	34.7	11.9	4.0								
					2. -2.99	84	2.4	8.3	15.5	36.9	0.0	0.0	22.9	4.8	1.2	0.0	0.0	30.1	6.0	2.4								
					3. -3.99	73	2.7	15.1	17.8	46.6	0.0	2.7	23.3	4.1	0.0	0.0	1.4	28.8	5.5	0.0								
					4. -5.00	66	0.0	4.5	12.1	28.8	0.0	0.0	15.4	1.5	0.0	0.0	0.0	16.9	3.1	0.0								
					M	0. -5.00	217	2.8	8.3	13.4	32.9	0.5	2.3	25.9	5.0	1.4	0.9	2.3	27.8	6.0			2.8					
					F	0. -5.00	222	0.5	8.1	12.2	29.4	0.9	2.3	24.9	5.4	0.9	0.9	1.8	29.0	7.2			0.9					
					National		1999			0. -5.00	4146	3.3	10.8	11.2	30.1	1.9	4.3	27.5	7.0	1.7			1.9	4.5	31.3	9.1	2.2	02017
										0. -0.49	627	3.0	7.3	3.2	12.6	2.3	6.9	30.0	8.2	1.6			2.6	7.7	25.9	7.2	1.1	
0.50-0.99	643	2.0	7.0	7.3						21.1	0.9	2.4	30.5	10.7	2.2	1.3	2.5	29.8	10.7	2.4								
1. -1.99	888	1.7	10.0	13.7						35.0	0.6	2.4	27.7	6.6	1.7	0.7	2.6	36.5	10.8	2.5								
2. -2.99	679	3.2	11.8	15.6						38.5	1.0	3.1	32.6	7.7	2.4	1.0	3.4	41.1	12.6	3.4								
3. -3.99	636	4.4	12.9	13.2						37.1	2.7	5.9	24.9	4.8	1.0	2.5	5.4	30.5	8.1	1.9								
4. -5.00	673	5.9	15.9	13.0						33.4	4.1	6.2	19.1	4.1	1.2	3.7	6.3	22.0	4.6	1.6								
M	0. -5.00	2081	3.4	11.3						13.2	32.3	1.9	4.5	28.3	8.3	2.0	2.1	4.6	33.4	10.6	2.2							
M	0. -0.49	342	3.5	7.6						2.6	14.7	1.8	6.5	31.5	10.7	2.7	2.7	6.5	27.8	9.5	1.2							
M	0.50-0.99	323	2.2	8.4						10.2	24.4	1.2	3.1	30.5	13.7	3.1	1.9	3.4	31.6	13.1	3.4							
M	1. -1.99	430	1.2	10.9						16.1	36.9	0.5	2.8	27.4	6.9	1.2	0.7	3.1	37.8	12.5	1.4							
M	2. -2.99	340	3.2	10.3						18.8	40.5	1.5	3.6	36.4	8.1	2.4	1.2	4.2	44.9	13.2	3.3							
M	3. -3.99	322	5.9	15.8						17.9	42.3	3.1	6.0	25.7	6.0	1.6	2.8	5.3	33.0	8.8	2.5							
M	4. -5.00	324	5.2	15.1						13.1	34.1	3.8	5.3	17.8	4.7	1.6	3.7	5.3	23.7	5.6	1.9							
F	0. -5.00	2065	3.2	10.4						9.3	27.9	1.8	4.2	26.6	5.7	1.3	1.7	4.5	29.2	7.7	2.1							
F	0. -0.49	285	2.5	7.0						3.9	10.0	2.8	7.4	28.4	5.3	0.4	2.5	9.2	23.7	4.6	1.1							
	MAY-AUG	2000								0. -5.00	5918	3.9	11.6	12.0	29.8	3.0	7.1	32.7	12.7	3.3	2.8	6.9	37.1	14.7	4.6	02436		
					0. -5.00	880	2.7	9.9	10.9	25.7	2.5	6.9	32.8	11.4	3.9	2.4	6.9	37.4	13.0	4.4	Central 1							

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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	MAY-AUG	2000	URBAN RURAL		0. -5.00	552	5.6	18.8	13.1	33.3	4.4	11.1	23.9	7.5	1.6	4.4	10.3	27.7	9.7	2.0	Eastern Northern Southern Ulaanbaatar city Western	02436	
					0. -5.00	1558	4.7	14.2	15.5	37.7	3.4	7.7	32.3	12.7	3.4	3.0	7.5	38.6	15.2	4.8			
					0. -5.00	404	3.0	6.7	8.4	28.0	2.6	7.1	37.8	16.3	5.9	2.6	6.2	40.0	19.5	7.7			
					0. -5.00	1423	2.8	7.1	6.9	18.6	2.6	5.7	33.2	12.0	2.6	2.4	6.1	35.7	13.1	3.9			
					0. -5.00	1101	4.8	13.2	15.1	35.1	2.9	6.1	35.3	15.8	3.6	2.8	5.9	40.0	17.9	5.4			
					0. -0.49	700	5.7	14.1	5.6	13.8	8.3	16.0	28.2	12.6	4.1	6.5	16.0	25.1	9.1	3.0			
					0.50-0.99	677	4.3	12.3	11.2	27.5	3.2	8.3	35.3	16.3	4.1	3.8	9.7	34.7	15.5	4.4			
					1. -1.99	1219	3.9	11.5	16.7	35.9	2.4	6.7	35.4	15.1	4.2	2.3	5.5	44.1	20.7	7.2			
					2. -2.99	1145	3.1	10.2	12.8	33.5	2.0	4.3	33.2	12.7	3.5	1.7	4.2	41.6	16.6	5.6			
					3. -3.99	1069	3.6	10.9	12.5	31.3	1.4	4.9	34.7	11.4	2.2	1.2	4.4	40.2	14.4	3.4			
					4. -5.00	1108	3.7	11.8	9.9	29.2	2.8	6.3	28.8	9.0	2.4	3.1	6.3	30.6	9.1	2.8			
					0. -5.00	2574	2.9	8.4	8.9	22.5	2.6	5.7	33.3	11.9	3.0	2.4	5.8	36.4	13.3	4.0			
					0. -5.00	3344	4.8	14.0	14.3	35.3	3.4	8.2	32.3	13.2	3.6	3.1	7.9	37.6	15.7	5.0			
					M	0. -5.00	3021	4.3	12.6	13.3	31.4	3.2	7.3	32.4	13.2	3.7	3.1	7.2	37.7	15.6			5.1
					M	0. -0.49	351	7.4	17.7	6.9	16.4	10.5	18.7	26.6	12.9	4.7	9.3	18.6	23.5	9.6			3.8
					M	0.50-0.99	351	5.7	15.4	14.1	31.9	2.9	8.2	34.0	18.8	5.0	2.9	9.9	35.1	17.5			5.6
					M	1. -1.99	612	4.4	13.2	19.1	38.4	2.2	6.2	31.6	14.0	4.5	2.2	5.0	40.1	20.1			6.7
					M	2. -2.99	590	3.2	10.7	12.4	34.4	2.1	4.3	32.0	11.7	3.5	2.1	4.3	41.6	16.7			5.6
					M	3. -3.99	543	3.5	9.2	13.1	31.4	1.9	5.2	38.0	13.2	2.2	1.5	4.6	45.1	16.5			4.3
					M	4. -5.00	574	3.5	12.2	12.0	29.5	2.3	6.3	30.6	10.4	3.2	3.0	6.4	34.2	11.4			4.3
					F	0. -5.00	2897	3.5	10.6	10.5	28.1	2.9	6.9	33.1	12.2	2.9	2.5	6.6	36.4	13.7			4.0
F	0. -0.49	349	4.0	10.6	4.3	11.2	6.1	13.3	29.8	12.4	3.5	3.7	13.5	26.8	8.6	2.3							
F	0.50-0.99	326	2.8	8.9	8.1	22.7	3.4	8.4	36.8	13.7	3.1	4.7	9.3	34.3	13.4	3.1							
F	1. -1.99	607	3.5	9.7	14.3	33.4	2.7	7.2	39.1	16.1	3.8	2.5	6.0	48.0	21.4	7.7							
F	2. -2.99	555	3.1	9.7	13.2	32.5	2.0	4.2	34.4	13.7	3.6	1.3	4.0	41.7	16.5	5.7							
F	3. -3.99	526	3.8	12.5	12.0	31.2	1.0	4.6	31.2	9.6	2.1	1.0	4.2	35.2	12.3	2.5							
F	4. -5.00	534	3.9	11.4	7.7	28.8	3.4	6.4	26.9	7.5	1.5	3.2	6.2	26.9	6.8	1.3							
	MAY-JUN	2004			0.50-5.00	1247	0.6	4.8	7.2	23.5	0.1	0.6	29.2	6.1	0.7	0.2	0.3	35.5	6.7	0.8	Central Eastern	02755	
				0.50-5.00	215	0.0	3.3	6.0	20.9	0.0	0.0	35.3	7.0	1.4	0.0	0.0	40.9	7.9	1.4				
				0.50-5.00	103	1.9	5.8	7.8	34.0	0.0	0.0	26.2	1.9	0.0	0.0	0.0	0.0	35.0	2.9	0.0			

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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	MAY-JUN	2004			0.50-5.00	314	0.3	3.5	6.7	26.2	0.0	0.0	25.5	4.5	1.0	0.0	0.0	32.9	4.2	1.0	Khangai Ulaanbaatar Western	02755	
					0.50-5.00	371	0.8	3.2	2.4	13.2	0.0	1.6	27.3	8.1	0.8	0.3	0.8	32.2	8.4	0.8			
					0.50-5.00	244	0.4	9.8	16.0	33.6	0.4	0.8	32.8	6.1	0.0	0.4	0.4	39.3	7.8	0.4			
					0.50-0.99	200	0.5	2.5	4.5	11.0	0.0	1.0	35.5	8.5	1.0	0.5	1.0	35.0	7.0	1.0			
					1. -1.99	299	0.0	3.3	3.0	20.1	0.0	0.7	31.8	9.7	1.3	0.0	0.3	41.1	10.7	2.0			
					2. -2.99	256	0.8	7.0	10.6	27.5	0.0	0.8	26.3	5.5	0.4	0.0	0.0	37.3	7.1	0.4			
					3. -3.99	251	0.8	4.4	10.0	30.3	0.4	0.8	32.3	5.6	0.8	0.4	0.4	38.8	6.4	0.4			
					4. -5.00	241	0.8	6.6	8.3	27.0	0.0	0.0	20.7	0.8	0.0	0.0	0.0	23.7	1.2	0.0			
					URBAN	0.50-5.00	436	0.7	3.0	3.4	13.8	0.0	1.4	27.1	8.0	0.7	0.2	0.7	32.2	8.3			0.7
					RURAL	0.50-5.00	811	0.5	5.8	9.3	28.8	0.1	0.2	30.3	5.1	0.7	0.1	0.1	37.3	5.8			0.9
					M	0.50-5.00	676	0.6	5.3	8.3	27.1	0.0	0.6	32.4	6.2	0.7	0.0	0.1	38.8	6.7			0.7
					M	0.50-0.99	115	0.9	3.5	5.2	13.9	0.0	0.9	38.3	7.8	1.7	0.0	0.9	36.5	6.1			1.7
					M	1. -1.99	157	0.0	5.7	5.1	27.4	0.0	0.0	30.6	8.3	0.6	0.0	0.0	39.5	8.3			1.3
					M	2. -2.99	133	0.8	8.3	12.0	31.6	0.0	1.5	30.8	5.3	0.0	0.0	0.0	42.1	7.5			0.0
					M	3. -3.99	143	0.7	2.8	11.2	31.5	0.0	0.7	37.8	7.7	1.4	0.0	0.0	43.7	8.5			0.7
					M	4. -5.00	128	0.8	6.3	7.8	28.9	0.0	0.0	25.0	1.6	0.0	0.0	0.0	31.3	2.3			0.0
	F	0.50-5.00	571	0.5	4.2	6.0	19.3	0.2	0.7	25.4	6.0	0.7	0.4	0.5	31.6	6.7	0.9						
	F	0.50-0.99	85	0.0	1.2	3.5	7.1	0.0	1.2	31.8	9.4	0.0	1.2	1.2	32.9	8.2	0.0						
	F	1. -1.99	142	0.0	0.7	0.7	12.0	0.0	1.4	33.1	11.3	2.1	0.0	0.7	43.0	13.4	2.8						
	F	2. -2.99	123	0.8	5.7	9.0	23.0	0.0	0.0	21.3	5.7	0.8	0.0	0.0	32.0	6.6	0.8						
F	3. -3.99	108	0.9	6.5	8.3	28.7	0.9	0.9	25.0	2.8	0.0	0.9	0.9	32.4	3.7	0.0							
F	4. -5.00	113	0.9	7.1	8.8	24.8	0.0	0.0	15.9	0.0	0.0	0.0	0.0	15.0	0.0	0.0							
	NOV-DEC	2005			0. -5.00	3357	1.6	5.3	9.9	27.5	1.1	2.7	41.6	14.2	4.6	1.3	2.7	46.3	17.1	4.9	Central Eastern Khangai Ulaanbaatar Western	02872	
					0. -5.00	594	1.5	3.5	6.2	22.2	1.4	2.2	41.3	11.6	3.7	1.2	2.2	45.1	14.1	4.1			
					0. -5.00	355	1.7	5.1	17.3	33.9	0.3	1.4	47.0	20.5	8.3	0.3	1.2	50.0	24.7	8.4			
					0. -5.00	812	2.3	6.6	7.8	25.1	1.3	3.2	35.1	9.2	2.2	1.2	2.9	42.0	12.4	2.3			
					0. -5.00	965	1.5	4.6	9.7	25.8	1.1	3.2	47.6	19.7	7.2	1.5	3.5	50.2	21.4	7.7			
					0. -5.00	631	1.1	6.5	12.2	34.5	1.1	2.6	38.1	11.3	2.6	1.4	2.6	45.4	15.3	2.7			
					0. -0.49	399	2.0	7.0	9.6	18.2	1.8	5.8	42.5	23.9	8.7	2.3	5.9	38.8	21.1	5.9			
					0.50-0.99	354	2.3	3.1	5.1	12.5	1.8	3.8	48.9	18.6	5.9	2.1	4.1	47.1	19.2	5.9			

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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-DEC	2005	URBAN		1. -1.99	700	1.3	3.9	11.5	31.9	0.3	2.0	45.1	16.5	5.6	0.6	1.6	55.2	22.6	6.9		02872
					2. -2.99	674	1.2	6.5	10.9	32.8	1.2	2.0	44.0	13.7	4.2	0.8	2.0	53.3	19.7	5.3		
					3. -3.99	656	1.7	5.3	10.4	30.4	0.9	2.2	37.7	8.0	2.2	1.2	2.3	43.3	11.0	2.8		
					4. -5.00	574	1.9	5.7	9.4	28.1	1.4	2.3	33.7	9.5	3.0	1.4	2.3	35.4	10.2	2.9		
					0. -5.00	1738	1.3	4.7	8.8	25.1	0.8	2.6	42.9	15.5	5.2	1.1	2.8	46.6	17.9	5.6		
					0. -5.00	1619	2.0	5.9	11.1	30.0	1.4	2.8	40.2	12.7	4.0	1.4	2.7	46.0	16.2	4.1		
					M 0. -5.00	1746	1.8	5.3	10.3	29.2	1.3	2.6	43.7	15.6	5.1	1.4	2.6	49.6	19.0	5.3		
					M 0. -0.49	210	2.4	7.6	11.0	23.0	0.5	5.0	44.5	28.6	10.0	1.5	4.4	41.0	24.0	6.8		
					M 0.50-0.99	184	2.2	2.7	4.4	12.0	2.2	2.8	48.4	16.2	7.8	2.2	2.8	46.7	17.9	7.8		
					M 1. -1.99	363	1.1	3.6	14.7	38.0	0.6	1.4	46.1	16.5	5.7	0.9	1.1	56.9	24.7	7.2		
			M 2. -2.99	355	1.4	7.3	9.6	31.9	1.7	2.9	45.6	14.9	3.5	1.1	2.9	55.9	20.9	5.2				
			M 3. -3.99	332	2.1	5.1	10.0	31.7	0.6	1.8	41.7	10.1	3.1	0.9	2.2	49.2	13.8	3.7				
			M 4. -5.00	302	2.3	5.3	9.6	27.8	2.4	3.0	37.4	12.2	3.4	2.4	3.1	41.4	13.3	2.7				
			F 0. -5.00	1611	1.4	5.3	9.4	25.6	1.0	2.8	39.2	12.6	4.1	1.1	2.9	42.8	15.0	4.3				
			F 0. -0.49	189	1.6	6.4	8.1	12.9	3.3	6.6	40.3	18.7	7.2	3.3	7.6	36.4	17.9	4.9				
			F 0.50-0.99	170	2.3	3.5	5.9	13	1.3	5.0	49.5	21.3	3.8	1.9	5.7	47.6	20.7	3.8				
			F 1. -1.99	337	1.5	4.2	8.1	25.3	0.0	2.7	44.0	16.5	5.4	0.3	2.1	53.3	20.5	6.6				
			F 2. -2.99	318	0.9	5.6	12.2	34.0	0.6	1.0	42.1	12.5	5.1	0.3	1.0	50.4	18.4	5.5				
			F 3. -3.99	325	1.2	5.5	10.7	29.2	1.2	2.5	33.6	5.9	1.3	1.6	2.5	37.3	8.2	1.9				
			F 4. -5.00	272	1.4	6.2	9.1	28.5	0.4	1.5	29.5	6.5	2.6	0.4	1.5	28.9	6.8	3.0				