

Appendix 11. Comparison of WHO and Saudi z-score reference for weight for age for boys.

Age (months)	WHO (-2SD)	KSA (-2SD)	WHO 0 SD	KSA 0 SD	WHO (+2SD)	KSA (+2SD)
0	2.5	2.4683	3.3	3.1555	4.4	4.4179
1	3.4	3.1591	4.5	4.0585	5.8	5.6734
2	4.3	3.8101	5.6	4.919	7.1	6.8651
3	5	4.3979	6.4	5.7058	8	7.9497
4	5.6	4.9152	7	6.408	8.7	8.9121
5	6	5.3639	7.5	7.0261	9.3	9.7533
6	6.4	5.7485	7.9	7.5645	9.8	10.48
7	6.7	6.076	8.3	8.0306	10.3	11.103
8	6.9	6.3557	8.6	8.4352	10.7	11.637
9	7.1	6.5974	8.9	8.7897	11	12.101
10	7.4	6.809	9.2	9.1034	11.4	12.505
11	7.6	6.9962	9.4	9.3831	11.7	12.861
12	7.7	7.1635	9.6	9.6342	12	13.174
13	7.9	7.3144	9.9	9.8611	12.3	13.45
14	8.1	7.4534	10.1	10.069	12.6	13.698
15	8.3	7.5844	10.3	10.263	12.8	13.926
16	8.4	7.7106	10.5	10.446	13.1	14.14
17	8.6	7.8339	10.7	10.621	13.4	14.344
18	8.8	7.9557	10.9	10.79	13.7	14.542
19	8.9	8.0768	11.1	10.953	13.9	14.734
20	9.1	8.1982	11.3	11.112	14.2	14.924
21	9.2	8.3207	11.5	11.269	14.5	15.115
22	9.4	8.4447	11.8	11.424	14.7	15.306
23	9.5	8.5706	12	11.578	15	15.499
24	9.7	8.6984	12.2	11.733	15.3	15.696
25	9.8	8.8281	12.4	11.887	15.5	15.895
26	10	8.9589	12.5	12.041	15.8	16.097
27	10.1	9.0902	12.7	12.195	16.1	16.299
28	10.2	9.2218	12.9	12.348	16.3	16.504
29	10.4	9.3537	13.1	12.502	16.6	16.71

Source: El Mouzan MI, Shaffi A, Al Salloum A, Alqurashi MM, Al Herbish A, Al Omer A. Z-score growth reference data for Saudi preschool children. Ann Saudi Med 2017; 37(1): 10-15.

30	10.5	9.4859	13.3	12.655	16.9	16.919
31	10.7	9.6184	13.5	12.81	17.1	17.131
32	10.8	9.751	13.7	12.964	17.4	17.346
33	10.9	9.883	13.8	13.119	17.6	17.563
34	11	10.014	14	13.274	17.8	17.781
35	11.2	10.144	14.2	13.429	18.1	18
36	11.3	10.272	14.3	13.583	18.3	18.219
37	11.4	10.4	14.5	13.737	18.6	18.44
38	11.5	10.526	14.7	13.891	18.8	18.662
39	11.6	10.651	14.8	14.045	19	18.884
40	11.8	10.773	15	14.199	19.3	19.107
41	11.9	10.894	15.2	14.353	19.5	19.328
42	12	11.011	15.3	14.506	19.7	19.55
43	12.1	11.125	15.5	14.657	20	19.769
44	12.2	11.234	15.7	14.806	20.2	19.984
45	12.4	11.338	15.8	14.951	20.5	20.195
46	12.5	11.436	16	15.093	20.7	20.401
47	12.6	11.527	16.2	15.23	20.9	20.6
48	12.7	11.614	16.3	15.364	21.2	20.795
49	12.8	11.695	16.5	15.495	21.4	20.986
50	12.9	11.772	16.7	15.623	21.7	21.172
51	13.1	11.843	16.8	15.748	21.9	21.354
52	13.2	11.909	17	15.87	22.2	21.533
53	13.3	11.971	17.2	15.989	22.4	21.708
54	13.4	12.029	17.3	16.106	22.7	21.88
55	13.5	12.081	17.5	16.219	22.9	22.047
56	13.6	12.129	17.7	16.329	23.2	22.211
57	13.7	12.174	17.8	16.437	23.4	22.372
58	13.8	12.215	18	16.542	23.7	22.531
59	14	12.254	18.2	16.646	23.9	22.688

Source: El Mouzan MI, Shaffi A, Al Salloum A, Alqurashi MM, Al Herbish A, Al Omer A. Z-score growth reference data for Saudi preschool children. Ann Saudi Med 2017; 37(1): 10-15.