

Appendix 13. Comparison of CDC and Saudi z-score reference for weight for age for boys.

Age (months)	CDC (-2SD)	KSA (-2SD)	CDC 0	KSA 0	CDC (+2SD)	KSA (+2SD)
0	2.26484	2.46826	3.53020317	3.15546	4.49936345	4.417946
1	3.12142	3.159147	4.44131575	4.058456	5.64831225	5.673368
2	3.89557	3.810123	5.27620692	4.918971	6.7011356	6.865099
3	4.58478	4.397883	6.03214037	5.705798	7.65216572	7.949677
4	5.19985	4.915244	6.71661421	6.408007	8.50930948	8.912091
5	5.74965	5.363878	7.33613081	7.02606	9.28094746	9.753344
6	6.24169	5.748542	7.89668811	7.56454	9.97525768	10.48
7	6.68255	6.07596	8.40389176	8.030624	10.5999878	11.10259
8	7.07804	6.355683	8.86297615	8.435232	11.16238	11.63726
9	7.43336	6.597405	9.27881006	8.789712	11.6691548	12.10052
10	7.75319	6.809033	9.655904	9.103397	12.1265207	12.50543
11	8.04176	6.996242	9.99842168	9.383076	12.5401944	12.86085
12	8.53994	7.163531	10.5947398	9.63423	13.2570257	13.17391
13	8.75607	7.314399	10.8552752	9.861126	13.569392	13.4502
14	8.95405	7.453364	11.0947401	10.06911	13.8565375	13.69832
15	9.13637	7.584436	11.3158115	10.26294	14.1221142	13.92628
16	9.30528	7.710561	11.5209223	10.44608	14.3694389	14.14008
17	9.46276	7.833909	11.712278	10.62114	14.6015155	14.34423
18	9.6106	7.9557	11.8918727	10.78963	14.821057	14.54152
19	9.75037	8.076787	12.0615048	10.95275	15.0305064	14.73408
20	9.88348	8.198218	12.2227922	11.11209	15.2320553	14.92449
21	10.0111	8.320716	12.3771857	11.26888	15.4276627	15.11465
22	10.1344	8.444742	12.5259826	11.42404	15.6190715	15.30588
23	10.2543	8.570594	12.6703395	11.57844	15.8078245	15.49929
24	10.3715	8.69844	12.8112834	11.73279	15.9952793	15.69575
25	10.4867	8.828088	12.9497233	11.88726	16.1826229	15.89522
26	10.6007	8.958902	13.0865832	12.04148	16.3707319	16.09674
27	10.7136	9.090194	13.2221966	12.19514	16.5609462	16.29946
28	10.8262	9.221774	13.3575454	12.34842	16.75356	16.50365
29	10.9386	9.353677	13.4930376	12.50171	16.9493537	16.70995
30	11.0512	9.485934	13.6291299	12.65535	17.1488451	16.91895
31	11.1642	9.618439	13.7662124	12.80958	17.3524491	17.13095
32	11.2776	9.750967	13.904414	12.96442	17.5600657	17.34586
33	11.3918	9.883008	14.0446072	13.11946	17.7732129	17.56292
34	11.5066	10.014	14.1864143	13.27419	17.9907877	17.78102
35	11.6222	10.14376	14.3299444	13.4285	18.2128929	17.99972
36	11.7387	10.27237	14.4758576	13.58262	18.4404456	18.21933
37	11.8561	10.39985	14.6240023	13.73682	18.673014	18.44014
38	11.9743	10.52602	14.7744447	13.89111	18.9105586	18.66199
39	12.0934	10.65061	14.927223	14.04535	19.1530045	18.88435
40	12.2133	10.77322	15.082346	14.19928	19.4002544	19.10652
41	12.334	10.89363	15.2398057	14.3529	19.6521798	19.32847
42	12.4554	11.01121	15.3995704	14.50574	19.9086417	19.54958
43	12.5776	11.12511	15.5615934	14.65705	20.169487	19.76874
44	12.7004	11.23432	15.7258136	14.8058	20.4345543	19.98442

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.

Age (months)	CDC (-2SD)	KSA (-2SD)	CDC 0	KSA 0	CDC (+2SD)	KSA (+2SD)
45	12.8239	11.33797	15.8921602	14.95113	20.7036757	20.19528
46	12.9481	11.43562	16.0605489	15.0925	20.9766891	20.40051
47	13.0728	11.52742	16.230892	15.23008	21.2534284	20.60035
48	13.1981	11.61389	16.4030956	15.36432	21.5337336	20.79549
49	13.3239	11.69532	16.577062	15.49547	21.8174518	20.98621
50	13.4502	11.77163	16.7526919	15.6234	22.1044387	21.17244
51	13.577	11.84286	16.9298854	15.74815	22.3945601	21.35443
52	13.7043	11.90931	17.1085433	15.86997	22.6876934	21.53277
53	13.8321	11.97128	17.2885681	15.98917	22.9837286	21.70794
54	13.9603	12.02863	17.4698653	16.10551	23.2825694	21.8796
55	14.0891	12.08125	17.6523456	16.21873	23.5841305	22.04735
56	14.2183	12.12937	17.8359194	16.32892	23.8883491	22.21131
57	14.3479	12.17356	18.0205066	16.4365	24.1951702	22.3721
58	14.4781	12.21468	18.2060312	16.54207	24.5045558	22.53061

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.