

Appendix 6. L, M, and S parameters and z scores for weight for age: girls 0 to 60 months.

Age (M)	L	M	S	-3	-2	-1	0	1	2	3
0	3.72E-03	3.123573	0.133379	2.12722	2.393368	2.735474	3.123573	3.566502	4.075488	4.584093
1	8.79E-02	3.984038	0.133994	2.691099	3.039619	3.484266	3.984038	4.548389	5.189169	5.821517
2	0.171244	4.802435	0.134599	3.216446	3.647976	4.194239	4.802435	5.481974	6.244544	6.988132
3	0.252813	5.553276	0.135188	3.686965	4.199631	4.843375	5.553276	6.338184	7.209072	8.048717
4	0.331855	6.23012	0.135758	4.099654	4.690535	5.426381	6.23012	7.109729	8.075168	8.99612
5	0.407886	6.830537	0.13631	4.454344	5.119748	5.941472	6.830537	7.793915	8.840459	9.828918
6	0.480369	7.356799	0.136847	4.754117	5.489925	6.39096	7.356799	8.393435	9.508685	10.55239
7	0.548732	7.81319	0.13737	5.00344	5.805235	6.778892	7.81319	8.913295	10.08616	11.17456
8	0.61234	8.207185	0.13788	5.208903	6.072231	7.112072	8.207185	9.362132	10.58325	11.70778
9	0.67041	8.547081	0.138379	5.377694	6.298077	7.398006	8.547081	9.749531	11.01134	12.1654
10	0.722065	8.84204	0.138866	5.517571	6.490547	7.644921	8.84204	10.08606	11.38285	12.56187
11	0.766333	9.102267	0.139341	5.636978	6.658159	7.861925	9.102267	10.38349	11.71154	12.91293
12	0.802168	9.337158	0.139803	5.743876	6.808818	8.057411	9.337158	10.65266	12.01005	13.23308
13	0.829148	9.554361	0.140252	5.84455	6.948826	8.238164	9.554361	10.90236	12.28858	13.53386
14	0.847819	9.760572	0.140691	5.943656	7.083271	8.409996	9.760572	11.14028	12.55578	13.82479
15	0.85877	9.961887	0.141123	6.045207	7.216677	8.578172	9.961887	11.37337	12.81951	14.11446
16	0.862608	10.16125	0.141551	6.151079	7.351189	8.745215	10.16125	11.605	13.08356	14.40702
17	0.859947	10.35731	0.141977	6.260377	7.485772	8.909939	10.35731	11.83365	13.34617	14.70048
18	0.851351	10.54754	0.142401	6.371443	7.618538	9.070151	10.54754	12.05642	13.60407	14.99123
19	0.837314	10.73093	0.142825	6.483503	7.7487	9.224977	10.73093	12.27215	13.85594	15.27779
20	0.81828	10.90854	0.143248	6.596993	7.876956	9.375323	10.90854	12.48205	14.10312	15.56166
21	0.794666	11.08027	0.143671	6.711592	8.003145	9.521095	11.08027	12.68596	14.34545	15.84268
22	0.766888	11.24549	0.144091	6.826586	8.126695	9.661729	11.24549	12.88314	14.58204	16.11991
23	0.735344	11.40247	0.144509	6.940576	8.246242	9.795746	11.40247	13.07159	14.81062	16.39082

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.

24	0.70037	11.5512	0.144923	7.053193	8.361644	9.923108	11.5512	13.25124	15.03109	16.65534
25	0.662224	11.69298	0.145333	7.164929	8.473746	10.04493	11.69298	13.42356	15.24511	16.91539
26	0.621116	11.83062	0.145738	7.277253	8.584515	10.16365	11.83062	13.59178	15.45636	17.17513
27	0.577263	11.96678	0.146136	7.39151	8.695767	10.28152	11.96678	13.75891	15.6683	17.43852
28	0.530971	12.10313	0.146528	7.508375	8.808573	10.39996	12.10313	13.92685	15.8831	17.70811
29	0.482562	12.24045	0.146914	7.627976	8.923351	10.51961	12.24045	14.09649	16.10179	17.9851
30	0.432357	12.37949	0.147292	7.750428	9.040484	10.64108	12.37949	14.26865	16.32531	18.27068
31	0.380687	12.52021	0.147663	7.875368	9.159791	10.7643	12.52021	14.4433	16.55362	18.56488
32	0.327882	12.66183	0.148028	8.00196	9.280525	10.88856	12.66183	14.61951	16.78564	18.8666
33	0.274243	12.80327	0.148387	8.129221	9.401744	11.01289	12.80327	14.79601	17.0199	19.17425
34	0.220035	12.94399	0.14874	8.25656	9.522924	11.13681	12.94399	14.97215	17.25562	19.48707
35	0.165541	13.08375	0.149087	8.383545	9.643731	11.26004	13.08375	15.14759	17.49238	19.80459
36	0.11108	13.22153	0.149428	8.509268	9.763288	11.3817	13.22153	15.32113	17.72866	20.1251
37	5.69E-02	13.35636	0.149763	8.632875	9.88074	11.5009	13.35636	15.4916	17.96303	20.44694
38	3.15E-03	13.48793	0.150092	8.754016	9.995767	11.61735	13.48793	15.6586	18.19499	20.76961
39	-5.00E-02	13.61598	0.150417	8.87235	10.10806	11.73079	13.61598	15.8218	18.42409	21.0926
40	-0.10238	13.74038	0.150738	8.987634	10.21743	11.84108	13.74038	15.98105	18.65006	21.41558
41	-0.15381	13.86164	0.151057	9.100037	10.32415	11.9486	13.86164	16.13688	18.87341	21.73908
42	-0.20412	13.98091	0.151373	9.210198	10.42898	12.05434	13.98091	16.29061	19.09554	22.0646
43	-0.25315	14.09932	0.151688	9.318754	10.53271	12.15923	14.09932	16.44348	19.3178	22.39356
44	-0.30077	14.21816	0.151999	9.426507	10.63626	12.26438	14.21816	16.59698	19.54178	22.72768
45	-0.3469	14.33864	0.152308	9.53422	10.74049	12.37081	14.33864	16.75247	19.769	23.06863
46	-0.39144	14.46171	0.152614	9.642512	10.8461	12.47933	14.46171	16.91105	20.00062	23.41764
47	-0.43431	14.58795	0.152916	9.751762	10.95351	12.59044	14.58795	17.07336	20.23729	23.77529
48	-0.47545	14.71768	0.153216	9.862179	11.06293	12.7044	14.71768	17.23974	20.47929	24.14178
49	-0.51489	14.85108	0.153513	9.973926	11.17453	12.82137	14.85108	17.41042	20.72689	24.51739

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.

50	-0.55268	14.9882	0.153808	10.08709	11.28834	12.94137	14.9882	17.58547	20.98016	24.90221
51	-0.5889	15.12877	0.154102	10.20157	11.40421	13.06419	15.12877	17.7646	21.23879	25.29599
52	-0.62372	15.27204	0.154395	10.31698	11.52163	13.18919	15.27204	17.94696	21.50188	25.6979
53	-0.65726	15.417	0.154688	10.43275	11.63988	13.31551	15.417	18.1314	21.76816	26.1067
54	-0.68971	15.56323	0.15498	10.54873	11.75873	13.4428	15.56323	18.31747	22.03722	26.52225
55	-0.72125	15.71031	0.155273	10.66475	11.87793	13.57072	15.71031	18.5047	22.3087	26.94461
56	-0.75209	15.85759	0.155565	10.78054	11.99707	13.69873	15.85759	18.6924	22.582	27.37373
57	-0.78247	16.00505	0.155859	10.89624	12.11622	13.82684	16.00505	18.88059	22.85746	27.81084
58	-0.81257	16.15261	0.156153	11.01193	12.23542	13.95501	16.15261	19.06925	23.13529	28.25704
59	-0.84253	16.3	0.156447	11.12753	12.35451	14.08302	16.3	19.25808	23.41539	28.71302
60	-0.87244	16.44724	0.156742	11.24312	12.47355	14.21092	16.44724	19.44714	23.698	29.17983

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.