

Supplemental Table 1: Mediation: Cognitive difference between d-TGA and referent

variable	Total affect p value	Global Efficiency			Modularity			Transitivity			small world		
		indirect p value	a p	b p	indirect p value	a p	b p	indirect p value	a p	b p	indirect p value	a p	b p
Full-Scale IQ (TGA: 8 yr; Referent: 16 yr)	-0.0775	** -0.0068	-0.0613	0.0790	-0.0062	0.0119	-0.0436	-0.0670	-0.2167	0.1953	** -0.0012	0.0265	-0.0396
WIAT													
Word reading	-0.0032	-0.2055	-0.0613	0.5512	-0.0722	0.0119	-0.2157	-0.2919	-0.2167	0.7924	** -0.0004	0.0265	-0.0257
Reading comprehension	-0.0389	* -0.0368	-0.0613	0.3269	-0.0464	0.0119	-0.1361	-0.0484	-0.2167	0.3352	** -0.0085	0.0265	-0.1459
Pseudoword decoding	-0.0414	-0.0709	-0.0613	0.3574	-0.0747	0.0119	-0.2604	-0.0989	-0.2167	0.5555	-0.0643	0.0265	-0.1856
Reading composite	-0.0132	-0.0712	-0.0613	0.3877	-0.0629	0.0119	-0.1919	-0.0884	-0.2167	0.5354	** -0.0032	0.0265	-0.0821
Numerical operations	-0.0572	-0.1255	-0.0613	0.5033	** -0.0036	0.0119	-0.0351	-0.0432	-0.2167	0.4444	** -0.0005	0.0265	-0.0192
Math reasoning	-0.0492	-0.3241	-0.0613	0.6798	-0.0281	0.0119	-0.0705	-0.2965	-0.2167	0.7429	** -0.007	0.0265	-0.0889
Math composite	-0.0528	-0.2518	-0.0613	0.6216	** -0.0119	0.0119	-0.0553	-0.1300	-0.2167	0.5920	** -0.0012	0.0265	-0.0342
Spelling (Written Language)	-0.0022	-0.2187	-0.0613	0.6168	-0.0977	0.0119	-0.3337	0.9188	-0.2167	-0.8302	** -0.0008	0.0265	-0.0049
Listening comprehension	-0.0205	-0.1399	-0.0613	0.4897	-0.0345	0.0119	-0.1331	-0.4284	-0.2167	0.8219	** -0.0001	0.0265	-0.0058
CMS													
Dot locations: learning	-0.2324	-0.3681	-0.0613	0.6000	-0.2810	0.0119	-0.4352	-0.0440	-0.2167	0.1542	0.1726	0.0265	0.3315
Dot locations: total score	-0.1316	-0.3586	-0.0613	0.6426	-0.3976	0.0119	-0.5546	-0.0217	-0.2167	0.1448	0.1868	0.0265	0.3859
Dot locations: long delay	-0.3751	-0.5222	-0.0691	0.8746	0.3649	0.0140	0.4821	-0.0170	-0.2338	0.1829	0.0459	0.0306	0.1823
Stories: immediate	-0.2428	-0.4990	-0.0613	0.8285	-0.5714	0.0119	-0.7825	-0.3021	-0.2167	0.7172	-0.2142	0.0265	-0.4859
Stories: delayed	-0.1584	0.6327	-0.0691	-0.7471	0.6498	0.0140	0.7186	-0.4202	-0.2338	0.8408	-0.8950	0.0306	0.9681
Stories: delayed recognition	0.6319	0.0356	-0.0691	-0.2177	-0.9522	0.0140	-0.9597	0.4802	-0.2338	-0.7165	-0.7188	0.0306	-0.9095

Faces: immediate	-0.0184	** -0.0031	-0.0613	0.0714	** -0.0018	0.0119	-0.0294	-0.0549	-0.2167	0.0237	-0.4168	0.0265	-0.6463
Faces: delayed	-0.2669	-0.0296	-0.0691	0.0008	** -0.0011	0.0140	-0.0001	-0.1639	-0.2338	0.0017	-0.5392	0.0306	-0.6010
Word Pairs: learning	-0.6029	-0.1719	-0.0691	0.4980	-0.1829	0.0140	-0.3377	-0.0309	-0.2338	0.0319	0.3462	0.0306	0.6119
Word Pairs: total score	-0.6426	-0.1510	-0.0691	0.4818	-0.0910	0.0140	-0.2191	-0.0171	-0.2338	0.0531	-0.7444	0.0306	-0.9196
Word Pairs: long delay	-0.1827	-0.5274	-0.0691	0.8820	0.8057	0.0140	0.9539	-0.0880	-0.2338	0.4265	-0.2775	0.0306	-0.5837
Word Paired: delayed recognition	-0.7618	-0.4789	-0.0691	0.8019	-0.4134	0.0140	-0.5161	-0.3421	-0.2338	0.8197	-0.2526	0.0306	-0.4354
Numbers: total	-0.0012	-0.3271	-0.0613	0.7732	-0.2993	0.0119	-0.4630	-0.3976	-0.2167	0.9577	** -0.0048	0.0265	-0.0900
Sequences: total	-0.1250	-0.7535	-0.0691	-0.8048	-0.0735	0.0140	-0.1947	-0.2062	-0.2338	0.7669	** -0.002	0.0306	-0.0678
Visual memory immediate	-0.0080	** -0.008	-0.0613	0.1285	** -0.008	0.0119	-0.0633	-0.0398	-0.2167	0.0103	0.6470	0.0265	0.7742
Visual memory delayed	-0.2005	** -0.0104	-0.0691	0.0245	** -0.0044	0.0140	-0.0386	-0.0937	-0.2338	0.0040	0.3987	0.0306	0.6394
Verbal memory immediate	-0.4087	-0.3628	-0.0691	0.7206	-0.3058	0.0140	-0.5141	-0.0303	-0.2338	0.2075	-0.6803	0.0306	-0.9410
Verbal memory delayed	-0.1093	-0.7995	-0.0691	-0.9350	0.7054	0.0140	0.8264	-0.1368	-0.2338	0.5378	-0.4389	0.0306	-0.7455
Attention/Concen tration	-0.0077	-0.6199	-0.0691	-0.8814	-0.2404	0.0140	-0.4047	-0.3756	-0.2338	0.9773	** -0.0041	0.0306	-0.0830
Learning	-0.2877	-0.0819	-0.0691	0.4206	-0.0985	0.0140	-0.2392	-0.0370	-0.2338	0.0219	0.1888	0.0306	0.3938
Delayed recognition	0.9491	0.3987	-0.0691	-0.5674	-0.5379	0.0140	-0.6115	-0.7825	-0.2338	-0.9540	-0.3202	0.0306	-0.5419
General Memory	-0.0553	-0.0181	-0.0691	0.2318	-0.0703	0.0140	-0.2105	-0.0338	-0.2338	0.0277	0.7581	0.0306	0.8439
DKEFS													
Verbal Fluency - Letter fluency: total correct	-0.0064	-0.2263	-0.0613	0.6159	** -0.013	0.0119	-0.0832	-0.1633	-0.2167	0.5904	** -0.0002	0.0265	-0.0166
Verbal Fluency - Category fluency: total correct	-0.0540	-0.7429	-0.0613	0.9719	** -0.0066	0.0119	-0.0255	-0.1895	-0.2167	0.6292	** -0.0008	0.0265	-0.0609
Verbal Fluency - Letter vs. category fluency	-0.1926	-0.1950	-0.0613	0.6759	0.9283	0.0119	0.9784	-0.7278	-0.2167	-0.9339	** -0.0259	0.0265	-0.1624

Design Fluency - Total correct: composite scaled	-0.2876	** -0.0037	-0.0956	0.0700	** -0.0063	0.0128	-0.0365	-0.0404	-0.3004	0.0757	-0.2653	0.0214	-0.4368
Sorting Test - Combined correct sorts	-0.0913	-0.3039	-0.0613	0.6149	-0.0356	0.0119	-0.0950	-0.4009	-0.2167	0.8087	** -0.0296	0.02650	-0.09000
Sorting Test - Combined conditions 1 & 2	-0.0077	-0.3212	-0.0613	0.7184	-0.2356	0.0119	-0.3286	-0.0345	-0.2167	0.2981	-0.215	0.0265	-0.4578
Word Context Test - Total consecutively correct	-0.0262	-0.2560	-0.0613	0.7237	-0.0808	0.0119	-0.1911	-0.1694	-0.2167	0.6965	-0.0356	0.0265	-0.1364
Word Context Test - Consistently correct ratio	-0.2395	** -0.0063	-0.0613	0.1827	-0.0428	0.0119	-0.0960	-0.0406	-0.2167	0.3298	-0.1389	0.0265	-0.2382
Tower Test - Total achievement	0.8508	-0.1373	-0.0613	0.5402	** -0.0156	0.0119	-0.0333	-0.0564	-0.2167	0.5008	** -0.0212	0.0265	-0.1517
Executive Function Summary	-0.0128	-0.0524	-0.0956	0.3170	** -0.0086	0.0128	-0.0235	-0.0179	-0.3004	0.2222	** -0.0066	0.0214	-0.0765
TVPS													
Visual discrimination	-0.2787	-0.1074	-0.0613	0.4578	-0.3106	0.0119	-0.4753	-0.1114	-0.2167	0.5618	-0.1173	0.0265	-0.2863
Visual memory	0.7930	-0.0682	-0.0613	0.3828	-0.5539	0.0119	-0.6874	-0.3360	-0.2167	0.6403	-0.0652	0.0265	-0.2225
Visual spatial- relationships	-0.3766	** -0.0012	-0.0613	0.1366	-0.0343	0.0119	-0.1443	-0.0279	-0.2167	0.3499	-0.0564	0.0265	-0.336
Visual form- constancy	-0.0871	-0.1178	-0.0613	0.1621	-0.7129	0.0119	-0.9337	-0.1984	-0.2167	0.1924	-0.6628	0.0265	-0.7727
Visual sequential- memory	-0.0508	-0.0880	-0.0613	0.3353	-0.6498	0.0119	-0.8140	-0.0794	-0.2167	0.3108	-0.2784	0.0265	-0.5852
Visual figure- ground	-0.2221	-0.5864	-0.0613	0.9977	-0.5700	0.0119	-0.7312	-0.1651	-0.2167	0.5545	-0.1585	0.0265	-0.3686
Visual closure	-0.0139	-0.0873	-0.0613	0.1435	-0.8823	0.0119	0.9931	-0.0926	-0.2167	0.1442	0.3441	0.0265	0.615
Visual-Spatial Summary	-0.0619	-0.0394	-0.0613	0.1733	-0.3472	0.0119	-0.5582	-0.0670	-0.2167	0.1973	-0.1651	0.0265	-0.3921
ROCF													
Organization	-0.7335	-0.0590	-0.0613	0.3275	-0.2041	0.0119	-0.3321	-0.1105	-0.2167	0.4043	-0.1802	0.0265	-0.2407

Structural element	-0.2088	** -0.0008	-0.0613	0.1433	-0.0761	0.0119	-0.0453	-0.0453	-0.2167	0.3304	** -0.0312	0.0265	-0.2791
Incidental element	-0.0820	-0.1533	-0.0613	0.1946	-0.1562	0.0119	-0.0191	-0.0102	-0.2167	0.15	-0.3183	0.0265	-0.5574
Organization	-0.3454	-0.0517	-0.0613	0.1870	-0.1280	0.0119	-0.3237	-0.3942	-0.2167	0.5411	** -0.0068	0.0265	-0.0369
Structural element	-0.1815	** -0.0003	-0.0613	0.1202	** -0.0022	0.0119	-0.0367	-0.0829	-0.2167	0.4625	** -0.0006	0.0265	-0.0071
Incidental element	0.6460	-0.2309	-0.0613	0.4405	-0.3320	0.0119	-0.4615	-0.2636	-0.2167	0.5228	-0.2535	0.0265	-0.4933
Organization	0.5186	-0.0190	-0.0613	0.2252	-0.0771	0.0119	-0.1813	-0.1822	-0.2167	0.6048	** -0.0017	0.0265	-0.0144
Structural element	-0.3981	** -0.0057	-0.0613	0.2149	-0.0290	0.0119	-0.0765	-0.1211	-0.2167	0.5286	** -0.0008	0.0265	-0.0236
Incidental element	0.2672	** -0.0113	-0.0613	0.1750	-0.1132	0.0119	-0.1795	-0.0332	-0.2167	0.2764	-0.1868	0.0265	-0.4126