

Structure	R ²	Slope	Slope P	Intercept P	Intercept/0 days	Days of Life							
						30	60	90	120	150	180	210	240
Pons Crossing Tract	0.70	7.34E-05	4.18E-28	2.01E-22	4.16E-04	6.66E-04	7.17E-04	7.46E-04	7.68E-04	7.84E-04	7.97E-04	8.09E-04	8.18E-04
Posterior Limb Internal Capsule	0.87	9.41E-05	7.09E-47	5.48E-24	3.30E-04	6.50E-04	7.16E-04	7.54E-04	7.81E-04	8.02E-04	8.19E-04	8.33E-04	8.46E-04
Cerebral Peduncle	0.66	7.25E-05	2.79E-25	8.63E-19	3.92E-04	6.38E-04	6.88E-04	7.18E-04	7.39E-04	7.55E-04	7.68E-04	7.79E-04	7.89E-04
Inferior Cerebellar Peduncle	0.41	4.67E-05	4.48E-13	1.83E-20	4.53E-04	6.12E-04	6.44E-04	6.63E-04	6.77E-04	6.87E-04	6.96E-04	7.03E-04	7.09E-04
Corticospinal Tract	0.55	7.96E-05	2.06E-19	8.00E-10	3.33E-04	6.03E-04	6.58E-04	6.91E-04	7.14E-04	7.31E-04	7.46E-04	7.58E-04	7.69E-04
Medial Lemniscus	0.44	7.19E-05	2.52E-14	1.46E-08	3.44E-04	5.89E-04	6.39E-04	6.68E-04	6.88E-04	7.05E-04	7.18E-04	7.29E-04	7.38E-04
External Capsule	0.85	6.86E-05	1.04E-42	3.32E-29	3.20E-04	5.54E-04	6.01E-04	6.29E-04	6.49E-04	6.64E-04	6.77E-04	6.87E-04	6.96E-04
Middle Cerebellar Peduncle	0.44	5.55E-05	1.66E-14	2.20E-13	3.61E-04	5.50E-04	5.89E-04	6.11E-04	6.27E-04	6.40E-04	6.50E-04	6.58E-04	6.66E-04
Superior Cerebellar Peduncle	0.42	4.92E-05	1.22E-13	1.37E-15	3.74E-04	5.42E-04	5.76E-04	5.96E-04	6.10E-04	6.21E-04	6.30E-04	6.37E-04	6.44E-04
Anterior Limb Internal Capsule	0.74	8.34E-05	3.47E-31	2.18E-11	2.57E-04	5.40E-04	5.98E-04	6.32E-04	6.56E-04	6.75E-04	6.90E-04	7.03E-04	7.14E-04
Superior Corona Radiata	0.91	1.20E-04	2.73E-54	2.66E-06	1.30E-04	5.37E-04	6.20E-04	6.69E-04	7.03E-04	7.30E-04	7.52E-04	7.70E-04	7.86E-04
Retrolenticular Internal Capsule	0.83	1.11E-04	2.84E-40	3.42E-05	1.51E-04	5.29E-04	6.05E-04	6.50E-04	6.82E-04	7.07E-04	7.27E-04	7.45E-04	7.59E-04
Uncinate Fasciculus	0.63	5.10E-05	1.15E-23	1.16E-21	3.27E-04	5.00E-04	5.35E-04	5.56E-04	5.71E-04	5.82E-04	5.91E-04	5.99E-04	6.06E-04
Splenium of Corpus Callosum	0.53	8.32E-05	2.50E-18	1.43E-04	2.12E-04	4.95E-04	5.53E-04	5.87E-04	6.11E-04	6.29E-04	6.44E-04	6.57E-04	6.68E-04
Body of Corpus Callosum	0.69	9.34E-05	3.47E-27	2.17E-04	1.66E-04	4.84E-04	5.49E-04	5.87E-04	6.14E-04	6.35E-04	6.52E-04	6.66E-04	6.79E-04
Posterior Thalamic Radiation	0.62	9.84E-05	1.08E-22	2.85E-02	1.19E-04	4.53E-04	5.22E-04	5.62E-04	5.90E-04	6.12E-04	6.30E-04	6.45E-04	6.58E-04
Anterior Corona Radiata	0.89	1.28E-04	1.02E-50	6.27E-01	1.48E-05	4.50E-04	5.39E-04	5.91E-04	6.28E-04	6.56E-04	6.80E-04	6.99E-04	7.16E-04
Posterior Corona Radiata	0.75	1.23E-04	5.10E-32	7.55E-01	1.53E-05	4.33E-04	5.18E-04	5.68E-04	6.04E-04	6.31E-04	6.53E-04	6.72E-04	6.89E-04
Genu of Corpus Callosum	0.79	1.21E-04	4.03E-36	8.89E-01	-5.95E-06	4.05E-04	4.89E-04	5.38E-04	5.73E-04	6.00E-04	6.22E-04	6.41E-04	6.57E-04

Supplementary Table 1. Slope, Intercept, and associated p-values from logistic regression for white matter anatomy. Bolded p-values are significant. Shaded boxes are when the white matter first meets the 6.00E-04 threshold.

		0-6 Months			7-12 Months			12-24 Months			>24 Months		
		MEAN (mm)	SEM	Count (n)	MEAN (mm)	SEM	Count (n)	MEAN (mm)	SEM	Count (n)	MEAN (mm)	SEM	Count (n)
X													
Resolution		0.77	0.014	19	0.84	0.024	12	0.92	0.03	13	0.92	0.016	59
Y													
Resolution		0.77	0.014	19	0.84	0.024	12	0.92	0.03	13	0.92	0.016	59
Z													
Resolution		0.99	0.005	19	1.01	0.008	12	1.02	0.01	13	1.03	0.007	59

Supplementary Table 2. Calculation of mean voxel dimensions for subjects in the X, Y, and Z axes for 0-6 months, 7-12 months, 12-24 months and >24 months age groups. The youngest age group has the smallest mean voxel dimensions indicating higher resolution.