Supplemental Table 1. Regional Brain Volumes

Not adjusted for ICV. Adjusting for ICV, all tests remained non-significant.

Volume (mm^3)	Control (n=26)		High Risk (n=26)		F-Test for difference		
	LS mean	SE	LS mean	SE	F-value	DF	P value
Prefrontal GM	29,843	1196	30,539	1196	0.299	1,25	0.5893
Prefrontal WM	25,324	773	24,981	773	0.095	1,25	0.7608
Frontal GM	45,188	1289	46,512	1289	1.262	1,25	0.2719
Frontal WM	37,916	994	38,750	994	0.516	1,25	0.4793
Parietal GM	61,639	1729	64,180	1729	2.647	1,25	0.1163
Parietal WM	49,215	1378	50,721	1378	1.749	1,25	0.1980
Occipital GM	69,487	2406	71,263	2406	0.694	1,25	0.4126
Occipital WM	41,863	1356	42,734	1356	0.402	1,25	0.5318

Abbreviations: GM: gray matter, WM: white matter.

Supplemental Table 2. Neonatal Brain Volumes by Gender – Adjusted for ICV

| Volume (mm^3) | Males | | | | F-Test for difference | | |
| | Control (n=12) | | High Risk (n=12) | | | | |
	LS mean	SE	LS mean	SE	F-value	DF	P value
Total GM	271,096	4,389	268,484	4,389	0.367	1,10	0.5602
Total umWM	169,727	4,635	170,703	4,635	0.032	1,10	0.8622
Total mWM	9,036	1,287	8,994	1,287	0.001	1,10	0.9797
Total CSF	64,991	2,496	68,035	2,496	0.860	1,10	0.3712
Lateral Ventricle	4,538	384	4,986	384	0.933	1,10	0.3524
Cortical GM	224,511	2,990	221,822	2,990	0.789	1,10	0.3952
Cortical WM	165,213	2,684	162,492	2,684	0.494	1,10	0.4897
Cerebellum	28,052	1,142	26,968	1,142	0.741	1,10	0.4063
	Females				F-Test for difference		
	Control (n=14)		High Risk (n=14)				
	LS mean	SE	LS mean	SE	F-value	DF	P value
Total GM	239,984	2,076	238,592	2,076	0.405	1,12	0.5357
Total umWM	159,682	1,244	158,545	1,244	0.656	1,12	0.4332
Total mWM	9,570	1,258	10,179	1,258	0.158	1,12	0.6975
Total CSF	57,867	2,252	59,783	2,252	0.616	1,12	0.4469
Lateral Ventricle	4,098	404	4,116	404	0.002	1,12	0.9680
Cortical GM	198,285	2,056	196,639	2,056	0.482	1,12	0.5002
Cortical WM	149,599	1,293	148,018	1,293	1.163	1,12	0.3008
Cerebellum	24,208	752	23,938	752	0.130	1,12	0.7249

Abbreviations: ICV: intracranial volume; GM: gray matter; umWM: unmyelinated white matter; mWM: myelinated white matter.