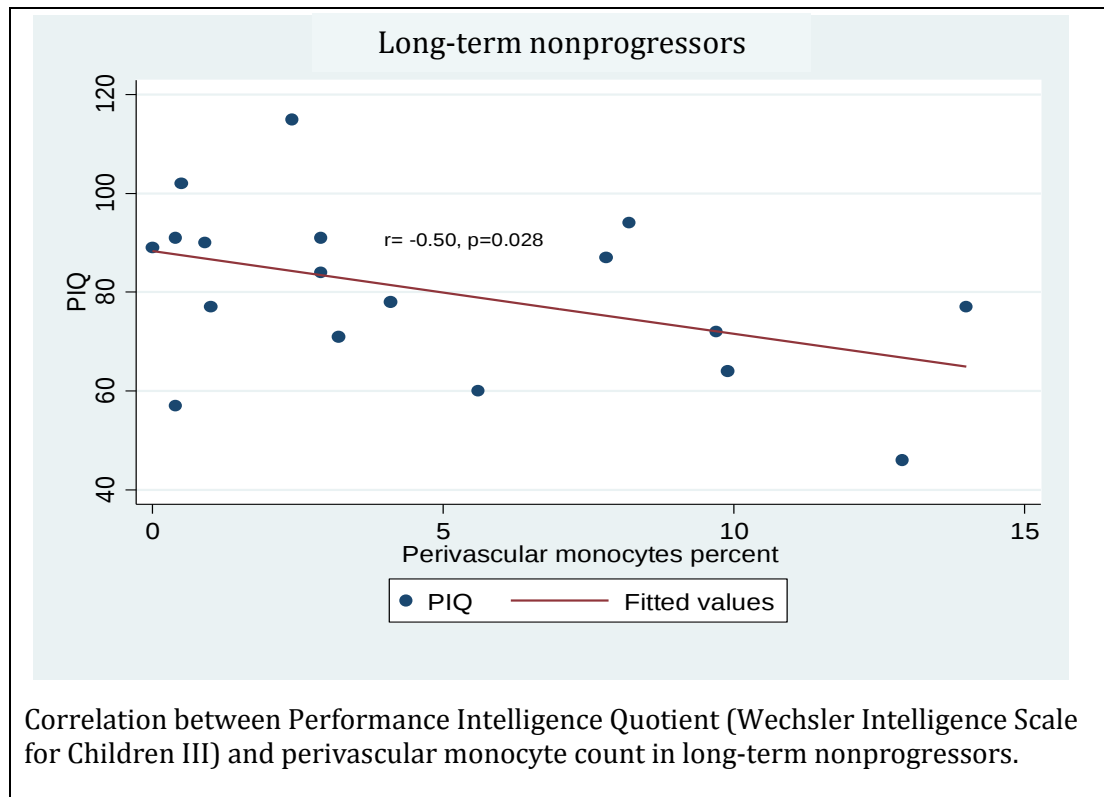
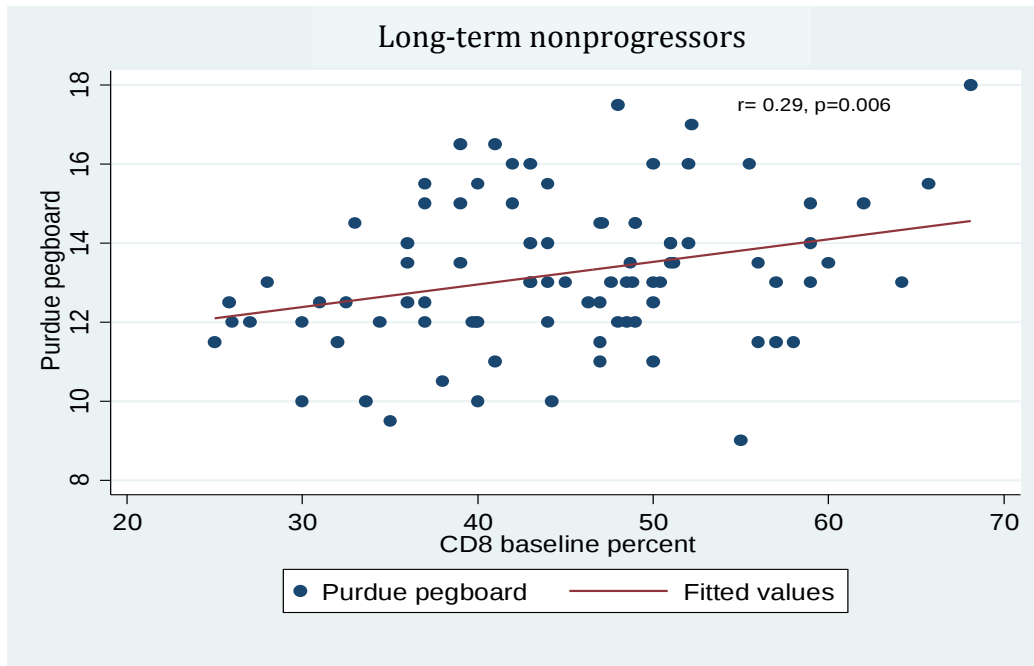


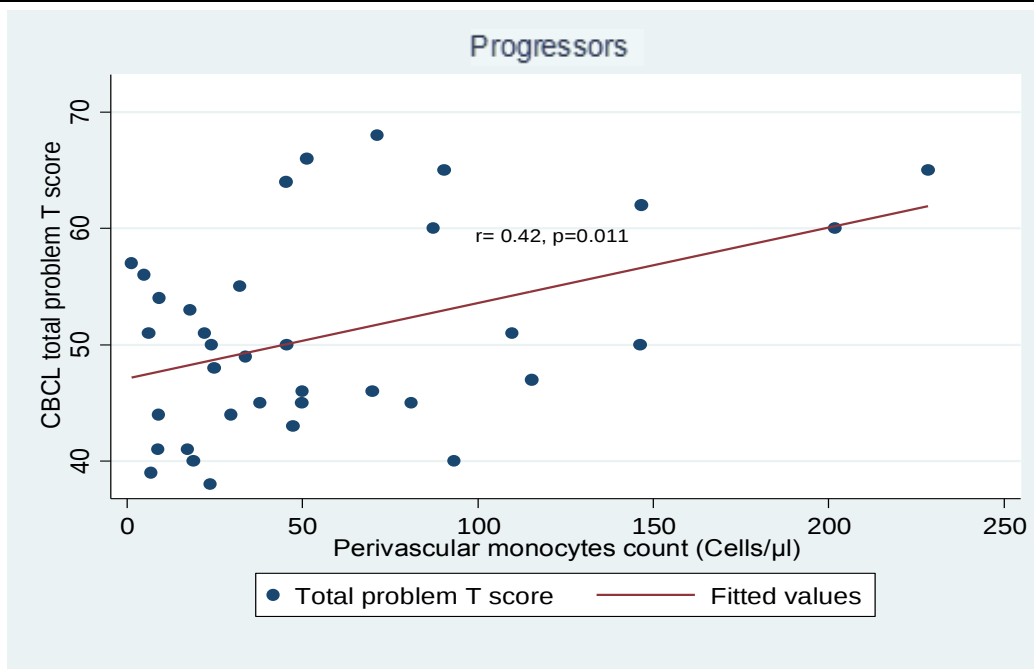
Supplemental Figure 1.

Scatterplots depicting baseline associations between cognitive and emotion indices and clinical variables in LTNPs and Progressors.

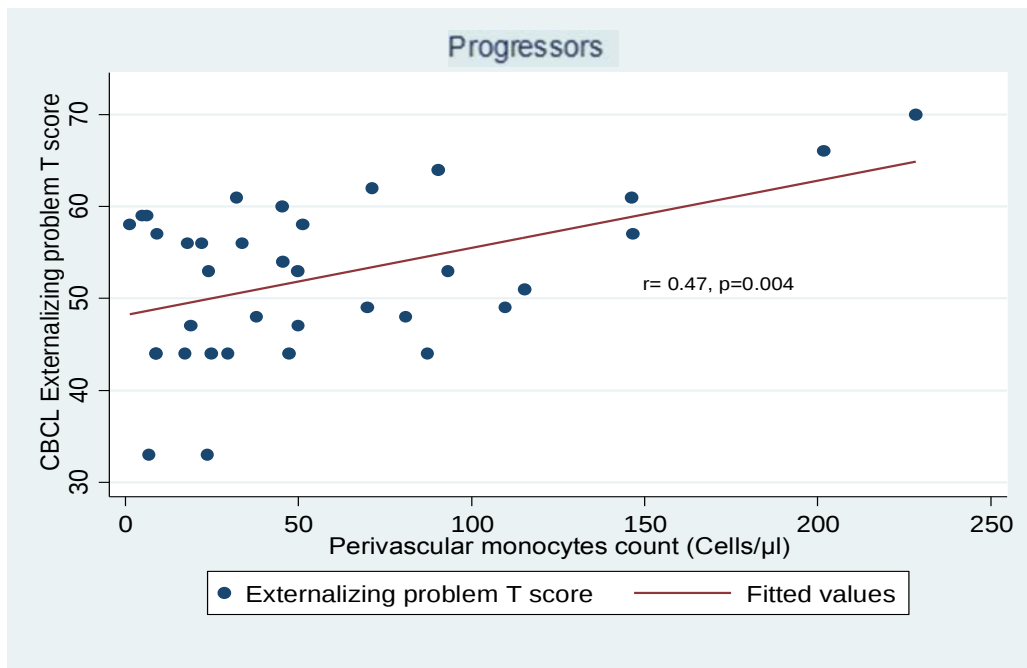




Correlation between performance on the Purdue pegboard and CD8 percent in long-term nonprogressors.



Correlation between Child Behavior Checklist (CBCL) Total Problem Scale and perivascular monocyte count in children with progressive disease (Progressors)



Correlation between Child Behavior Checklist (CBCL) Externalizing Scale and perivascular monocyte count in children with progressive disease (Progressors)

Supplemental Table 1.

**Correlations between cognitive and emotion indices with clinical variables
in LTNPs and Progressors.**

Variables	Progressors			LTNPs		
	R	P	n	R	P	n
VIQ						
Perivascular monocyte count	-0.18	0.527	15	-0.51	0.027	19
Perivascular monocytes %	-0.37	0.174	15	-0.55	0.016	19
PIQ						
Log sCD163	-0.31	0.197	19	-0.14	0.355	44
Activated monocyte count	0.39	0.151	15	0.03	0.905	19
Perivascular monocyte count	0.54	0.036	15	-0.44	0.058	19
Perivascular monocytes %	0.16	0.575	15	-0.50	0.028	19
PSIQ						
Log sCD163	-0.08	0.743	19	-0.30	0.046	44
Activated monocytes count	0.41	0.133	15	0.19	0.431	19
Activated monocyte %	-0.02	0.950	15	0.27	0.269	19
Perivascular monocyte count	0.40	0.135	15	-0.38	0.111	19
Perivascular monocytes %	0.04	0.884	15	-0.35	0.148	19
Color Trails 1						
CD4 T-cell count at baseline	-0.09	0.573	44	0.23	0.036	87
CD4 percent	-0.37	0.014	44	0.13	0.226	87
CD8 T-cell count at baseline	0.03	0.847	43	0.23	0.035	86
Perivascular monocytes %	0.20	0.291	29	0.34	0.042	36
Color Trails 2						
Perivascular monocyte count	0.40	0.030	29	-0.04	0.806	36
Perivascular monocytes %	0.31	0.099	29	-0.07	0.673	36
Purdue pegboard						
CD8 T-cell count	-0.30	0.033	52	0.15	0.154	87
CBCL Externalizing Scale						
Activated monocytes count	0.32	0.055	36	0.05	0.792	36
Perivascular monocyte count	0.47	0.004	36	0.28	0.102	36
Perivascular monocytes %	0.36	0.030	36	0.21	0.216	36
CBCL Internalizing Scale						
CD8 T-cell count at baseline	0.19	0.188	36	0.28	0.09	36
CBCL Total Scale						
Perivascular monocyte count	0.42	0.011	36	0.22	0.202	36
Perivascular monocytes %	0.41	0.014	36	0.28	0.097	36

All laboratory biomarkers were obtained at the baseline, enrollment visit into PREDICT. ^ Median (IQR)

*p<.05.

Supplemental Table 2.

Baseline biomarkers of children who sustained LTNP status compared to LTNPs who converted to progressive disease.

	LTNP Converters (n=71)	Sustained LTNP (n=17)	P
Age at enrollment [^]	8.2 (6.5-9.7)	8.4 (7.0-9.6)	0.86
CD4 cell count (age ≥ 5 years only, n=79), cells/mm ³	551 (419-674)	823 (741-876)	0.001
CD4% [^]	20 (18-22)	24 (22-26)	0.001
CD8 cell count (age ≥ 5 years only, n=78), cells/mm ³ [^]	1,209 (977-1,596)	1,563 (1,207- 2,191)	0.06
CD8% [^]	46 (40-51)	48 (39-50)	0.91
CD4/CD8 T cell ratio [^]	0.42 (0.34- 0.54)	0.55 (0.44-0.63)	0.07
Log viral load (log ₁₀ copies/mL) [^]	4.4 (4.1-4.8)	4.2 (3.9-4.9)	0.39
Serum soluble CD14 concentration (n=66), ng/mL [^]	6.2 (6.1-6.5)	6.1 (6.1-6.2)	0.11
Serum soluble CD163 concentration (n=66), ng/mL [^]	3,333 (2,358-4,144)	3,788 (3,069-4,109)	0.34
Activated monocyte count CD14+/CD16+/HLA-DR+), (n=36) [^]	41.9(15.3-68.0)	34.1(27.7-251.1)	0.24
Activated monocyte % (CD14+/CD16+/HLA-DR+), (n=36) [^]	6.9 (4.5-13.3)	7.2 (5.4 -22.9)	0.25
CD14+CD16+CD163+ count (n=36) [^]	14.8(8.4-28.8)	34.9(1.7-69.2)	0.44
CD14+CD16+CD163+% (n=36) [^]	3.5 (1.8-4.1)	5.6 (0.4-7.8)	0.74

[^]Median (IQR), *p<.05.

Supplemental Table 3.

Cognitive and emotion indices of children who sustained LTNP status compared to LTNPs who converted to progressive disease.

Test	Unadjusted		Adjusted	
	LTNP Converters Coef (95%CI)	P	Sustained LTNP Coef (95%CI)	P
VIQ	-1.43 (-8.44, 5.57)	0.68	-1.52 (-8.37, 5.33)	0.66
PIQ	4.55 (-3.78, 12.89)	0.28	4.13 (-5.11, 13.36)	0.37
PSIQ	2.39 (-7.22, 11.99)	0.62	3.41 (-5.13, 11.94)	0.43
Beery VMI	-2.85 (-11.21, 5.51)	0.50	1.32 (-7.58, 10.21)	0.77
Color Trails 1	-13.59 (-22.69, -4.48)	0.004	-13.00 (-23.89, -2.12)	0.02
Color Trails 2	-2.91 (-11.52, 5.70)	0.50	-4.63 (-14.71, 5.44)	0.36
Purdue Pegboard	-0.09 (-1.12, 0.93)	0.86	-0.27 (-1.25, 0.72)	0.59
CBCL Internalizing Scale	5.49 (0.56, 10.42)	0.03	6.47 (0.73, 12.22)	0.03
CBCL Externalizing Scale	3.59 (-1.07, 8.25)	0.13	4.22 (-0.35, 8.78)	0.07
CBCL Total Problem Scale	5.44 (0.32, 10.55)	0.04	6.61 (1.12, 12.09)	0.02

VIQ: Verbal Intelligence Quotient from the Wechsler Intelligence Scale for Children III (WISC III), PIQ: Performance Intelligence Quotient (WISC III); PSIQ: Processing Speed Intelligence Quotient (WISC III); Color Trails 1 and 2: Children's Color Trails Test; CBCL: Child Behavior Checklist. *p<.05.