Table S1. Baseline Characteristics by Population

		Analysis population (N=244)	Remaining A5202 population (N=1613)	Total (N=1857)	P-Value
Sex	Male	208 (85%)	1,327 (82%)	1,535 (83%)	0.28*
	Female	36 (15%)	286 (18%)	322 (17%)	
Age (years)	Median (Q1, Q3)	39 (31, 44)	38 (30, 45)	38 (31, 45)	0.72**
Race/Ethnicity	White Non-Hispanic	117 (48%)	629 (39%)	746 (40%)	0.019*
	Black Non-Hispanic	80 (33%)	535 (33%)	615 (33%)	
	Hispanic (Regardless of Race)	40 (16%)	389 (24%)	429 (23%)	
	Other	7 (3%)	55 (3%)	62 (3%)	
BMI (kg/m^2)	# missing	0	1	1	0.97**
	Median (Q1, Q3)	24.8 (21.7, 28.1)	24.8 (22.2, 28.0)	24.8 (22.2, 28.0)	
CD4 (cells/mm^3)	# missing	0	1	1	0.56**
	Median (Q1, Q3)	240 (106, 335)	229 (87, 333)	230 (90, 334)	
HIV-1 RNA (log$_{10}$copies/ml)	Median (Q1, Q3)	4.6 (4.3, 4.9)	4.7 (4.3, 5.0)	4.7 (4.3, 5.0)	0.15**
Screening HIV-1 RNA (copies/ml)	< 100,000	143 (59%)	917 (57%)	1,060 (57%)	0.63*
	≥ 100,000	101 (41%)	696 (43%)	797 (43%)	
Fasting glucose (mg/dl)	# missing	6	162	168	0.50**
	Median (Q1, Q3)	84 (78, 90)	84 (78, 92)	84 (78, 92)	
Fasting LDL cholesterol (mg/dl)	# missing	8	221	229	0.99**
	Median (Q1, Q3)	92 (74, 118)	93 (75, 115)	93 (75, 115)	
Current smoker	Yes	85 (41%)	393 (39%)	478 (39%)	0.53*
	No	120 (59%)	618 (61%)	738 (61%)	
Hypertension	Yes	40 (16%)	297 (18%)	337 (18%)	0.48*
	No	204 (84%)	1,316 (82%)	1,520 (82%)	
Hepatitis C antibody	Positive	19 (8%)	112 (7%)	131 (7%)	0.59*
	Negative	222 (92%)	1,488 (93%)	1,710 (93%)	
Hepatitis B surface antigen	Positive	8 (3%)	27 (2%)	35 (2%)	0.12*
	Negative	234 (97%)	1,570 (98%)	1,804 (98%)	

*Fisher's Exact Test
**Wilcoxon Test

Table S2. Correlations of CD4 Cell Count and Biomarkers (Spearman's correlation coefficient and associated p-value)

Population	Time period	hCRP	IL-6	sICAM-1	sTNF-RI	sTNF-RII	sVCAM-1	TNF-α
Overall (n=244)	Week 0	r = 0.03 p = 0.62	r = -0.20 p = 0.002	r = -0.05 p = 0.48	r = -0.25 p < 0.001	r = -0.30 p < 0.001	r = -0.10 p = 0.12	r = -0.06 p = 0.35
Overall (n=236)	Week 24	r = -0.04 p = 0.57	r = -0.07 p = 0.29	r = -0.05 p = 0.43	r = -0.14 p = 0.034	r = -0.16 p = 0.012	r = 0.00 p = 0.99	r = -0.09 p = 0.19
Overall (n=205)	Week 96	r = 0.04 p = 0.53	r = 0.00 p = 0.97	r = -0.04 p = 0.55	r = -0.03 p = 0.69	r = -0.10 p = 0.15	r = -0.23 p = 0.001	r = -0.17 p = 0.014
Overall (n=236)	Week 0 to 24 change	r = 0.02 p = 0.79	r = -0.02 p = 0.79	r = -0.22 p < 0.001	r = -0.16 p = 0.015	r = -0.36 p < 0.001	r = -0.40 p < 0.001	r = -0.29 p < 0.001
Overall (n=205)	Week 0 to 96 change	r = 0.07 p = 0.31	r = -0.05 p = 0.43	r = -0.10 p = 0.17	r = -0.14 p = 0.046	r = -0.23 p = 0.001	r = -0.36 p < 0.001	r = -0.22 p = 0.001
Among those with week 24 HIV-1 RNA < 50 c/mL (n=168)	Week 24	r = -0.04 p = 0.59	r = -0.04 p = 0.62	r = 0.02 p = 0.79	r = -0.13 p = 0.089	r = -0.10 p = 0.19	r = 0.03 p = 0.67	r = 0.03 p = 0.72
Among those with week 96 HIV-1 RNA < 50 c/mL (n=178)	Week 96	r = 0.00 p = 0.96	r = 0.02 p = 0.83	r = -0.02 p = 0.75	r = 0.00 p = 0.96	r = -0.01 p = 0.91	r = -0.15 p = 0.049	r = -0.09 p = 0.21