

Supplementary Table 1: Associations Between Body Fat Measurements and Log₁₀ Homeostatic Model Assessment-Insulin Resistance (HOMA-IR) in Women with HIV Infection (n = 226) with Inclusion of CD4 Cell Count as a Covariate

Body Fat Predictor Variable(s):	VAT only			SAT only			VAT and SAT Together		
	Beta	95% CI	P value	Beta	95% CI	P value	Beta	95% CI	P value
Covariate:									
Age (per 5 years)	-0.017	-0.069, 0.035	0.52	0.007	-0.044, 0.058	0.78	-0.018	-0.070, 0.033	0.48
Race: White vs Black	0.012	-0.18, 0.20	0.90	0.071	-0.12, 0.26	0.46	0.011	-0.18, 0.20	0.90
Race: Other vs Black	-0.15	-0.034, 0.028	0.097	-0.14	-0.32, 0.050	0.15	-0.15	-0.34, 0.027	0.094
WIHS site: San Francisco vs Bronx	0.042	-0.11, 0.19	0.58	0.069	-0.09, 0.23	0.39	0.071	-0.083, 0.22	0.36
WIHS site: Chicago vs	-0.10	-0.28, 0.077	0.26	-0.063	-0.25, 0.12	0.50	0.077	-0.26, 0.10	0.40

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Bronx

Post-menopausal	0.12	-0.054, 0.30	0.17	0.14	-0.046, 0.32	0.14	0.13	-0.049, 0.31	0.16
Smoking: Former vs Never	-0.19	-0.40, 0.027	0.085	-0.19	-0.41, 0.031	0.091	-0.19	-0.40, 0.028	0.088
Smoking: Current vs Never	-0.062	-0.24, 0.12	0.50	-0.091	-0.27, 0.093	0.33	-0.062	-0.24, 0.12	0.50
HCV seropositive	0.12	-0.030, 0.26	0.12	0.10	-0.046, 0.26	0.17	0.13	-0.020, 0.28	0.089
CD4 cell count (per 100 cells/mm³)	0.034	0.010, 0.058	0.0060	0.041	0.017, 0.065	0.0010	0.034	0.010, 0.058	0.0059
VAT mass (per kg)	0.33	0.14, 0.52	0.0006	--	--	--	0.34	0.16, 0.53	0.0004
SAT mass	--	--	--	-0.10	-0.25, 0.046	0.18	-0.12	-0.26, 0.021	0.095

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(per kg)									
BMI (per 5	0.057	-0.015, 0.13	0.12	0.20	0.092, 0.31	0.0003	0.13	0.019, 0.24	0.023
kg/m²)									

The table depicts three separate multiple linear regression models each with log HOMA-IR as the outcome variable: from left to right, the first model includes VAT as the only body fat measure, the second includes SAT as the only body fat measure, and the last includes both VAT and SAT together. Each covariate is adjusted for all other covariates in the same model.

Supplementary Table 2: Associations Between Body Fat Measurements and Log₁₀ Homeostatic Model Assessment-Insulin Resistance (HOMA-IR) in Women without HIV Infection (n = 100) with Inclusion of CD4 Cell Count as a Covariate

Body Fat Predictor Variable(s):	VAT only			SAT only			VAT and SAT Together		
	Beta	95% CI	P value	Beta	95% CI	P value	Beta	95% CI	P value
Covariate:									
Age (per 5 years)	0.013	-0.041, 0.067	0.64	0.039	-0.011, 0.089	0.13	0.014	-0.041, 0.069	0.61
Race: White vs Black	-0.039	-0.23, 0.15	0.69	-0.021	-0.22, 0.18	0.84	-0.053	-0.26, 0.15	0.60
Race: Other vs Black	0.16	-0.067, 0.39	0.17	0.18	-0.063, 0.41	0.15	0.14	-0.090, 0.38	0.22
WIHS site: San Francisco vs Bronx	0.12	-0.063, 0.30	0.20	0.099	-0.098, 0.30	0.32	0.10	-0.090, 0.30	0.28
WIHS site: Chicago vs	0.23	0.021, 0.44	0.031	0.20	-0.027, 0.42	0.083	0.21	-0.010, 0.43	0.061

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Bronx

Post-menopausal	-0.15	-0.61, 0.32	0.53	-0.20	-0.68, 0.27	0.39	-0.16	-0.29, 0.24	0.50
Smoking: Former vs Never	-0.025	-0.29, 0.24	0.85	0.021	-0.24, 0.28	0.87	-0.024	-0.29, 0.24	0.86
Smoking: Current vs Never	-0.042	-0.25, 0.17	0.69	-0.052	-0.27, 0.16	0.63	-0.047	-0.26, 0.16	0.66
HCV seropositive	0.35	0.12, 0.58	0.0027	0.34	0.11, 0.57	0.0047	0.36	0.13, 0.58	0.0026
CD4 cell count (per 100 cells/mm³)	0.028	0.004, 0.052	0.024	0.028	0.003, 0.052	0.029	0.028	0.004, 0.052	0.025
VAT mass (per kg)	0.29		0.025	--		--	0.27		0.038
		0.037, 0.54			--			0.015, 0.53	

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SAT mass	--	--	--	0.078	-0.084, 0.24	0.34	0.038	-0.12, 0.20	0.65
(per kg)									
BMI (per 5	0.083	-0.010, 0.18	0.079	0.11	-0.032, 0.24	0.13	0.058	-0.084, 0.20	0.42
kg/m²)									

The table depicts three separate multiple linear regression models each with log HOMA-IR as the outcome variable: from left to right, the first model includes VAT as the only body fat measure, the second includes SAT as the only body fat measure, and the last includes both VAT and SAT together. Each covariate is adjusted for all other covariates in the same model.