

Supplemental Material

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Supplemental Table 1. GlycA Correlations with Variables in DHS.

	Overall	Men	Women	Black	White	Hispanic
hs-CRP	0.58	0.50	0.59	0.57	0.61	0.50
BMI	0.30	0.12	0.39	0.28	0.33	0.24
Waist Circumference	0.27	0.13	0.42	0.30	0.23	0.17
HOMA-IR	0.27	0.19	0.34	0.27	0.28	0.21
Triglycerides	0.19	0.16	0.31	0.20	0.26	0.16
Systolic blood pressure	0.19	0.23	0.25	0.16	0.23	0.05
Visceral fat	0.18	0.16	0.40	0.23	0.20	0.04
Serum glucose	0.18	0.15	0.24	0.19	0.20	0.08
HDL medium	0.16	0.16	0.13	0.16	0.20	0.19
Apo A1	0.14	0.12	0.06	0.08	0.17	0.26
IL-18	0.13	0.12	0.18	0.18	0.11	0.06
Age	0.13	0.10	0.16	0.19	0.11	0.05
MCP	0.12	0.10	0.16	0.16	0.14	0.09
HDL-P	0.12	0.01	0.14	0.09	0.16	0.17
Microalbumin creatinine ratio	0.12	0.12	0.08	0.11	0.10	0.17
CystatinC	0.11	0.14	0.19	0.14	0.14	0.06
Total Cholesterol	0.10	0.08	0.12	0.06	0.19	0.06
HDL small	0.05	-0.05	0.19	0.06	0.07	0
GFR	0.05	0.05	0.02	-0.01	0.02	0.09
LDL-C	0.04	0.01	0.08	0.03	0.10	-0.03
HDL-C	0	-0.01	-0.11	-0.05	0.02	0.07
Cholesterol Efflux	-0.03	-0.05	-0.01	-0.05	-0.02	0.03
HDL large	-0.04	-0.09	-0.18	-0.09	-0.06	0.06
HDL size	-0.06	-0.04	-0.25	-0.10	-0.10	0.07

hs-CRP = high-sensitivity C-reactive protein, BMI = body mass index, HOMA-IR = homeostatic model assessment of insulin resistance, HDL = high-density lipoprotein, Apo A1 = apolipoprotein A1, MCP = monocyte chemoattractant protein-1, HDL-P = high-density lipoprotein particle concentration, GFR = glomerular filtration rate, LDL-C = low-density lipoprotein concentration, HDL-C = high-density lipoprotein cholesterol.

Supplemental Table 2. Associations between HDL parameters and GlycA stratified by gender.

	Variable	P-Value
Men	HDL-P	0.24
	Medium HDL particles	0.003
	Small HDL particles	0.008
Women	HDL-P	<0.0001
	Medium HDL particles	<0.001
	Small HDL particles	0.0007

The interaction p-value between high-density lipoprotein particle concentration (HDL-P) and gender is <0.001.

Supplemental Table 3. Cox Proportional Hazards Models of GlycA per 1 SD Association with Cardiovascular Events

	Variable	Hazard Ratio per 1 SD (95% CI)
ASCVD	RF	1.38 (1.20, 1.58)
	RF + Cholesterol Efflux	1.32 (1.14, 1.52)
	RF + HDL-P	1.40 (1.22, 1.60)
Total CVD	RF	1.27 (1.12, 1.43)
	RF + Cholesterol Efflux	1.23 (1.09, 1.40)
	RF + HDL-P	1.28 (1.34, 1.45)

ASCVD = atherosclerotic cardiovascular disease, CVD = cardiovascular disease, HDL-P = high-density lipoprotein particle concentration.