

**Supplementary Table 1.** Logistic regression models for steatosis and fibrosis by metabolic syndrome components and adjusted for demographic covariates

Variable	Steatosis	Any fibrosis	Severe steatosis	Severe fibrosis	Fibrosis without steatosis
Low HDL cholesterol level					
Yes	1.81 (1.40–2.35)*	1.49 (1.10–2.03)*	1.90 (1.31–2.77)*	2.13 (1.03–4.43)*	1.19 (0.57–2.47)
No	-	-	-	-	-
High blood pressure					
Yes	2.03 (1.53–2.69)*	2.01 (1.34–3.02)*	2.42 (1.62–3.61)*	1.85 (1.13–3.02)*	2.94 (1.58–5.45)*
No	-	-	-	-	-
Waist circumference above goal					
Yes	8.63 (6.40–11.63)*	3.50 (2.12–5.79)*	13.90 (9.52–20.32)*	5.06 (2.19–11.73)*	1.68 (0.86–3.27)
No	-	-	-	-	-
High blood sugar					
Yes	1.63 (1.27–2.10)*	1.57 (1.16–2.13)*	2.09 (1.44–3.03)*	2.10 (1.17–3.77)*	0.98 (0.53–1.83)
No	-	-	-	-	-
High triglyceride					
Yes	1.19 (0.91–1.57)	1.02 (0.72–1.45)	1.04 (0.75–1.44)	0.66 (0.36–1.23)	1.36 (0.66–2.81)
No	-	-	-	-	-
Age					
	1.00 (0.99–1.01)	1.00 (0.99–1.01)	0.99 (0.98–1.00)	1.01 (0.99–1.03)	1.00 (0.98–1.03)
Sex					
Male	2.74 (2.06–3.63)*	1.89 (1.29–2.79)	3.23 (2.26–4.62)*	1.73 (0.86–3.47)	1.33 (0.89–1.99)
Female	-	-	-	-	-
Race					
Non-Hispanic White	-	-	-	-	-
Non-Hispanic Black	0.59 (0.46–0.76)*	0.86 (0.56–1.33)	0.55 (0.39–0.76)	0.37 (0.14–0.98)*	1.17 (0.69–2.01)
Hispanic	1.55 (1.13–2.13)*	1.37 (0.85–2.20)	1.28 (0.89–1.85)	1.21 (0.60–2.44)	1.33 (0.73–2.41)
Other	1.15 (0.67–1.95)	0.90 (0.52–1.57)	1.19 (0.58–2.42)	1.26 (0.55–2.90)	0.84 (0.33–2.14)
Education					
Less than high school	-	-	-	-	-
High school/GED	1.51 (1.13–2.02)*	1.39 (0.92–2.11)	1.73 (1.29–2.33)*	1.56 (0.67–3.61)	0.65 (0.32–1.33)
Some college or AA	1.42 (1.09–1.85)*	1.14 (0.75–1.74)	1.51 (1.05–2.18)*	1.03 (0.54–1.96)	0.72 (0.37–1.41)
College graduate or above	1.18 (0.83–1.67)	0.75 (0.47–1.20)	1.20 (0.72–2.00)	0.47 (0.16–1.37)	0.58 (0.25–1.37)
Health insurance					
Yes	1.11 (0.84–1.47)	1.08 (0.56–2.08)	1.05 (0.73–1.49)	1.16 (0.43–3.15)	1.45 (0.58–3.63)
No	-	-	-	-	-
Depression					
Yes	0.96 (0.62–1.49)	0.81 (0.52–1.25)	0.92 (0.55–1.54)	0.83 (0.44–1.57)	0.71 (0.31–1.62)
No	-	-	-	-	-
Alcohol use					
Yes	0.88 (0.67–1.14)	0.93 (0.69–1.26)	0.91 (0.66–1.26)	0.76 (0.36–1.59)	1.10 (0.65–1.85)
No	-	-	-	-	-
Physical activity					
≥ 150 minutes per week	0.73 (0.59–0.90)*	0.61 (0.37–1.02)	0.60 (0.43–0.83)*	0.91 (0.38–2.20)	0.57 (0.28–1.14)
< 150 minutes per week	-	-	-	-	-

Values are presented as odds ratio (95% confidence interval).

\*Indicates statistical significance with *P*-value less than 0.05.

HDL, high-density lipoprotein; GED, general educational development; AA, associate of arts.

**Supplementary Table 2.** Survey-weighted prevalence of demographic characteristics by fibrosis status for sample without steatosis

Variable	Fibrosis Status		<i>P</i>
	Yes	No	
Sample size			
Unweighted	159	3,238	-
Weighted	5,115,789	151,371,261	-
Age (yr), mean (95% CI)	52.9 (47.9–57.9)	45.1 (43.7–46.5)	0.005*
Sex			0.634
Male	47.7 (37.2–58.2)	45.3 (42.9–47.6)	
Female	52.3 (41.8–62.8)	54.7 (52.4–57.1)	
Race			0.375
Hispanic	18.5 (10.3–26.7)	15.2 (11.3–19.2)	
Non-Hispanic White	57.3 (42.2–72.4)	61.9 (56.4–67.3)	
Non-Hispanic Black	16.0 (8.0–23.9)	12.1 (8.7–15.5)	
Other race	8.2 (1.9–14.5)	10.8 (7.9–13.7)	
Education			0.082
Less than high school	18.4 (9.2–27.7)	11.0 (9.2–12.9)	
High school/GED	27.0 (16.9–37.0)	26.9 (22.3–29.6)	
Some college or AA degree	30.7 (20.2–41.2)	29.8 (26.4–33.2)	
College graduate and beyond	23.9 (11.0–36.8)	33.3 (27.4–39.1)	
Health insurance			0.197
Yes	90.0 (83.6–96.4)	85.6 (81.4–89.9)	
No	10.0 (3.6–16.4)	14.4 (10.1–18.6)	
Alcohol use			0.298
Yes	69.6 (59.7–79.4)	73.7 (71.5–76.0)	
No	30.4 (20.6–40.3)	26.3 (24.0–28.5)	
Depression			0.517
Yes	6.3 (1.8–10.7)	7.9 (6.7–9.2)	
No	93.7 (89.3–98.2)	92.1 (90.8–93.3)	
Physical activity			0.002*
≥ 150 minutes per week	24.6 (13.2–36.0)	41.3 (37.6–45.0)	
< 150 minutes per week	75.4 (64.0–86.8)	58.7 (55.0–62.4)	

Values are presented as percent (95% CI) unless otherwise indicated.

\*Indicates statistical significance with *P*-value less than 0.05.

CI, confidence interval; GED, general educational development; AA, associate of arts.