

Supplemental Information

SUPPLEMENTAL TABLE 4 Prevalence of Cardiometabolic Risk Factors and ORs (95% CIs) According to Hyperglycemia Categories (HbA1c <5.7% and FPG <100 mg/dL Versus HbA1c ≥5.7% or FPG ≥100 mg/dL), US Children and Adolescents Without Diagnosed Diabetes, NHANES 1999–2016

	HbA1c <5.7% and FPG <100 mg/dL, %	HbA1c ≥5.7% or FPG ≥100 mg/dL, %	Adjusted ^a OR (95%)
Obese, ≥95th percentile for age and sex	17.7 (16.1–19.2)	29.4 (24.1–34.7)	1.9 (1.5–2.5)*
Metabolic syndrome ^b	9.7 (8.6–10.8)	19.1 (14.7–23.6)	2.2 (1.6–3.0)*
Waist circumference ≥90th percentile	31.5 (29.7–33.4)	35.7 (30.5–40.9)	1.6 (1.3–2.1)*
Hypertension, ≥130/≥85	2.9 (2.2–3.6)	10.4 (7.0–13.8)	3.3 (2.1–5.2)*
Triglycerides ≥150 mg/dL	8.4 (7.3–9.4)	15.5 (11.8–19.1)	2.0 (1.5–2.7)*
HDL <40 mg/dL	12.8 (11.5–14.2)	22.9 (18.7–27.2)	1.8 (1.4–2.4)*
LDL ≥130 mg/dL	7.0 (6.1–8.0)	10.6 (6.9–14.3)	— ^c

HDL, high-density lipoprotein; LDL, low-density lipoprotein; —, not estimated.

^a Adjusted for age, sex, and race.

^b Metabolic syndrome is defined as waist circumference ≥90th percentile for age, sex, and race and 1 of hypertension, hypertriglyceridemia, or hypoalbuminemia.

^c Sample size was too small to estimate with precision (SE ≥30% of estimate).

* $P < .05$

SUPPLEMENTAL TABLE 5 Prevalence of Cardiometabolic Risk Factors and ORs (95% CIs) According to Hyperglycemia Categories (HbA1c <5.7% or FPG <100 mg/dL Versus HbA1c ≥5.7% and FPG ≥100 mg/dL), Among US Children and Adolescents Without Diagnosed Diabetes, NHANES 1999–2016

	HbA1c <5.7% or FPG <100 mg/dL, % (95% CI)	HbA1c ≥5.7% and FPG ≥100 mg/dL, % (95% CI)	Adjusted ^a OR (95%)
Obese, ≥95th percentile for age and sex	18.7 (17.2–20.3)	69.6 (54.5–84.7)	8.9 (4.4–17.7)*
Metabolic syndrome ^b	10.6 (9.5–11.8)	42.9 (26.3–59.4)	7.4 (3.7–14.9)*
Waist circumference ≥90th percentile	31.8 (30.0–33.6)	68.4 (53.1–83.6)	6.8 (3.1–14.9)*
Hypertension, ≥130/≥85	3.7 (2.9–4.4)	26.7 (11.4–41.9)	7.8 (3.1–19.5)*
Triglycerides ≥150 mg/dL	9.1 (8.1–10.2)	— ^c	— ^c
HDL-C <40 mg/dL	13.9 (12.6–15.2)	35.1 (15.4–54.8)	— ^c
LDL-C ≥130 mg/dL	7.5 (6.5–8.5)	— ^c	— ^c

HDL-C, high-density lipoprotein; LDL-C, low-density lipoprotein; —, not estimated.

^a Adjusted for age, sex, and race.

^b Metabolic syndrome is defined as waist circumference ≥90th percentile for age, sex, and race and 1 of hypertension, hypertriglyceridemia, or hypoalbuminemia.

^c Sample size was too small to estimate with precision (SE ≥30% of estimate).

* $P < .05$

SUPPLEMENTAL TABLE 6 Diagnostic Performance of HbA1c $\geq 5.7\%$ or FPG ≥ 100 mg/dL for Detecting Cardiometabolic Risk Factors, US Children and Adolescents Without Diagnosed Diabetes, NHANES 1999–2016

	HbA1c $\geq 5.7\%$ or FPG ≥ 100 mg/dL			
	Sensitivity, % (95% CI)	Specificity, % (95% CI)	PPV, % (95% CI)	NPV, % (95% CI)
Obese, ≥ 95 th percentile for age and sex	18.3 (14.8–21.8)	89.7 (88.4–90.9)	29.4 (24.1–34.7)	82.3 (80.8–83.9)
Metabolic syndrome ^a	21.1 (16.6–25.5)	89.2 (87.9–90.5)	19.1 (14.7–23.6)	90.3 (89.2–91.4)
Waist circumference ≥ 90 th percentile	13.4 (11.1–15.6)	88.7 (87.2–90.1)	35.7 (30.5–40.9)	68.5 (66.6–70.3)
Hypertension, $\geq 130/\geq 85$	32.4 (23.4–41.4)	89.0 (87.7–90.3)	10.4 (7.0–13.8)	97.1 (96.4–97.8)
Triglycerides ≥ 150 mg/dL	20.2 (15.5–24.8)	88.8 (87.5–90.0)	15.5 (11.8–19.1)	91.6 (90.6–92.7)
HDL-C < 40 mg/dL	19.6 (15.6–23.6)	89.2 (87.9–90.5)	22.9 (18.7–27.2)	87.2 (85.8–88.5)
LDL-C ≥ 130 mg/dL	17.1 (11.4–22.8)	88.4 (87.1–89.6)	10.6 (6.9–14.3)	93.0 (92.0–93.9)

HDL-C, high-density lipoprotein; LDL-C, low-density lipoprotein.

^a Metabolic syndrome is defined as waist circumference ≥ 90 th percentile for age, sex, and race and 1 of hypertension, hypertriglyceridemia, or hypoalphalipoproteinemia.

SUPPLEMENTAL TABLE 7 Diagnostic Performance of HbA1c $\geq 5.7\%$ and FPG ≥ 100 mg/dL for Detecting Cardiometabolic Risk Factors, US Children and Adolescents Without Diagnosed Diabetes, NHANES 1999–2016

	HbA1c $\geq 5.7\%$ and FPG ≥ 100 mg/dL			
	Sensitivity, % (95% CI)	Specificity, % (95% CI)	PPV, % (95% CI)	NPV, % (95% CI)
Obese, ≥ 95 th percentile for age and sex	2.3 (1.3–3.3)	99.8 (99.6–99.9)	69.6 (54.5–84.7)	81.3 (79.7–82.8)
Metabolic syndrome ^a	2.5 (1.2–3.9)	99.6 (99.4–99.8)	42.9 (26.3–59.4)	89.4 (88.2–90.5)
Waist circumference ≥ 90 th percentile	1.3 (0.8–1.9)	99.7 (99.5–99.9)	68.4 (53.1–83.6)	68.2 (66.4–70.0)
Hypertension, $\geq 130/\geq 85$	— ^b	— ^b	26.7 (11.4–41.9)	96.3 (95.6–97.1)
Triglycerides ≥ 150 mg/dL	— ^b	— ^b	— ^b	90.9 (89.8–91.9)
HDL-C < 40 mg/dL	— ^b	— ^b	35.1 (15.4–54.8)	86.1 (84.8–87.4)
LDL-C ≥ 130 mg/dL	— ^b	— ^b	— ^b	92.5 (91.5–93.5)

HDL-C, high-density lipoprotein; LDL-C, low-density lipoprotein; —, estimated.

^a Metabolic syndrome is defined as waist circumference ≥ 90 th percentile for age, sex, and race and 1 of hypertension, hypertriglyceridemia, or hypoalphalipoproteinemia.

^b Sample size was too small to estimate with precision (SE $\geq 30\%$ of estimate).