

## Supplemental Information

**SUPPLEMENTAL TABLE 5** NHANES 1999–2010 Characteristics: ALT and MetS Information, by Race/Ethnicity and Weight Category

	<i>n</i>	Mean ALT (95% CI)	Percent With High (>30) ALT (95% CI)	Percent With MetS (95% CI)
Non-Hispanic white				
Underweight/normal	821	17.3 (16.7–17.8)	3.2 (2.0–4.4)	1.5 (0.6–2.4)
Overweight	179	19.8 (18.7–21.0)	10.4 (5.8–15.0)	8.0 (3.3–12.6)
Obese	205	25.6 (23.6–27.7)	27.9 (20.9–34.9)	35.6 (28.6–42.6)
Non-Hispanic black				
Underweight/normal	730	16.5 (15.7–17.2)	3.6 (1.7–5.6)	0.2 (0.0–0.5)
Overweight	223	18.2 (17.2–19.3)	5.8 (2.5–9.2)	2.0 (0.0–4.3)
Obese	280	20.2 (18.7–21.6)	9.4 (5.2–13.7)	15.8 (11.4–20.1)
Hispanic				
Underweight/normal	994	18.1 (17.5–18.7)	6.8 (4.6–9.0)	1.1 (0.1–2.0)
Overweight	317	24.3 (19.5–29.2)	12.4 (8.2–16.7)	8.0 (5.0–11.1)
Obese	372	29.6 (27.2–32.0)	32.4 (26.3–38.5)	37.5 (30.1–44.9)

CI, confidence interval.

**SUPPLEMENTAL TABLE 6** NHANES 1999–2010 Characteristics: Mean (95% Confidence Interval) Values of Relevant Measures Among Children Aged 12 to 19 Years

	n	Mean (95% Confidence Interval)										
		Waist, cm	High-Density Lipoprotein	Triglycerides	SBP	Glucose	Insulin	HOMA-IR	ALT	AST	hsCRP	GGT
Overall	4124	81.3 (80.6–82.0)	51.3 (50.8–51.9)	88.6 (86.0–91.2)	109.5 (108.9–110.2)	93.1 (92.6–93.5)	11.4 (10.9–11.8)	2.7 (2.5–2.8)	19.4 (18.9–19.8)	23.8 (23.4–24.1)	1.6 (1.4–1.8)	15.1 (14.4–15.8)
By Gender												
Females	1946	80.7 (79.7–81.7)	53.6 (52.8–54.4)	86.3 (82.5–90.1)	106.6 (105.8–107.3)	91.2 (90.6–91.9)	11.6 (11.0–12.2)	2.7 (2.5–2.8)	16.6 (16.2–17.0)	21.4 (21.0–21.8)	1.8 (1.5–2.2)	13.0 (12.5–13.5)
Males	2178	81.8 (80.9–82.8)	49.2 (48.4–49.9)	90.8 (87.3–94.2)	112.4 (111.6–113.1)	94.8 (94.4–95.3)	11.1 (10.5–11.8)	2.7 (2.5–2.8)	22.0 (21.3–22.8)	26.0 (25.4–26.5)	1.4 (1.2–1.5)	17.1 (16.1–18.1)
P <sup>a</sup>		.0837	<.0001	.0819	<.0001	<.0001	.3045	.9214	<.0001	<.0001	.0174	<.0001
By race/ethnicity												
Non-Hispanic white	1207	81.0 (80.0–82.0)	50.6 (49.8–51.3)	92.1 (88.6–95.5)	109.2 (108.3–110.0)	93.2 (92.7–93.7)	10.5 (10.0–11.1)	2.5 (2.3–2.6)	19.1 (18.5–19.7)	23.5 (23.1–24.0)	1.5 (1.2–1.7)	14.4 (13.5–15.4)
Non-Hispanic black	1233	80.6 (79.3–81.8)	55.6 (54.5–56.7)	67.3 (64.9–69.7)	111.9 (111.1–112.6)	91.2 (90.6–91.8)	12.6 (11.9–13.4)	2.9 (2.7–3.1)	17.7 (17.1–18.3)	24.0 (23.4–24.5)	1.7 (1.5–1.9)	17.1 (16.1–18.0)
Hispanic	1684	82.9 (81.9–84.0)	50.6 (49.9–51.3)	93.3 (88.0–98.5)	108.8 (108.0–109.6)	94.2 (93.4–95.0)	13.3 (12.5–14.1)	3.1 (2.9–3.3)	21.8 (20.7–23.0)	24.4 (23.8–24.9)	2.0 (1.7–2.2)	15.9 (14.8–16.9)
P <sup>a</sup>		.0054	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	.0923	.0296	.0013

AST, aspartate aminotransferase.

<sup>a</sup> t test/analysis of variance comparing mean values by gender and race/ethnicity, respectively.