

Supplementary Table 2. Cardiometabolic risk factors based on BMI category and sex

CMRF	BMI category	All			Boys			Girls		
		Participants	Mean±SE	P-value	Participants	Mean±SE	P-value	Participants	Mean±SE	P-value
TC (mg/dL)	NW	6,874	155.7±0.4	<0.001	3,583	151.1±0.5	<0.001	3,291	160.9±0.5	<0.001
	OW	843	161.3±1.1		473	159.1±1.6		370	164.1±1.4	
	Class I OB	649	167.2±1.3		362	163.8±1.8		287	171.1±1.8	
	Class II/III OB	183	171.3±2.9		121	171.2±3.5		62	171.5±5.5	
HDL-C (mg/dL)	NW	6,872	51.1±0.2	<0.001	3,582	49.9±0.2	<0.001	3,290	52.4±0.2	<0.001
	OW	843	47.0±0.3		473	45.3±0.4		370	49.2±0.5	
	Class I OB	649	44.9±0.4		362	43.8±0.5		287	46.3±0.6	
	Class II/III OB	183	42.0±0.6		121	42.1±0.7		62	41.8±1.1	
LDL-C (mg/dL)	NW	6,872	87.5±0.3	<0.001	3,582	84.6±0.4	<0.001	3,290	90.8±0.5	<0.001
	OW	843	93.0±1.1		473	91.1±1.6		370	95.5±1.3	
	Class I OB	649	100.4±1.1		421	98.6±1.6		287	102.5±1.6	
	Class II/III OB	183	105.4±2.7		62	105.5±3.5		62	105.3±4.3	
Triglycerides (mg/dL)	NW	6,874	71.2±0.5	<0.001	3,583	68.5±0.7	<0.001	3,291	74.3±0.7	<0.001
	OW	843	88.9±2.0		473	92.6±3.0		370	84.5±2.5	
	Class I OB	649	99.3±2.2		362	97.4±2.8		287	101.5±3.4	
	Class II/III OB	183	111.5±4.7		121	110.4±5.7		62	114.0±8.2	
Non-HDL-C (mg/dL)	NW	6,872	103.1±0.4	<0.001	3,582	99.7±0.5	<0.001	3,290	107.1±0.5	<0.001
	OW	843	112.8±1.0		473	112.4±1.5		370	113.4±1.4	
	Class I OB	649	120.8±1.2		362	118.6±1.7		287	123.3±1.8	
	Class II/III OB	183	127.9±2.8		121	127.9±3.3		62	128.0±5.4	
Systolic BP (mmHg)	NW	8,020	105.4±0.1	<0.001	4,161	107.3±0.2	<0.001	3,859	103.3±0.2	<0.001
	OW	997	109.7±0.4		562	112.6±0.5		435	106.1±0.5	
	Class I OB	756	112.4±0.5		425	115.2±0.6		331	109.2±0.7	
	Class II/III OB	211	119.2±0.9		141	121.0±1.1		70	115.2±1.6	
Diastolic BP (mmHg)	NW	8,020	65.3±0.1	<0.001	4,161	65.7±0.2	<0.001	3,859	64.9±0.2	<0.001
	OW	997	66.8±0.4		562	67.3±0.5		435	66.2±0.4	
	Class I OB	756	67.8±0.4		425	68.3±0.6		331	67.3±0.5	
	Class II/III OB	211	72.5±0.8		141	72.5±1.0		70	72.6±1.2	
Fasting glucose (mg/dL)	NW	6,847	89.7±0.1	<0.001	3,568	90.3±0.1	<0.001	3,279	89.0±0.2	<0.001
	OW	839	91.1±0.3		471	92.1±0.5		368	89.9±0.4	
	Class I OB	649	91.9±0.6		361	92.1±0.4		288	91.7±1.2	
	Class II/III OB	182	92.8±0.7		121	92.2±0.8		61	94.3±1.5	
HbA1c (%)	NW	4,128	5.39±0.01	<0.001	2,157	5.40±0.01	<0.001	1,971	5.38±0.01	<0.001
	OW	495	5.41±0.02		276	5.45±0.03		219	5.35±0.02	
	Class I OB	429	5.48±0.03		234	5.43±0.02		195	5.53±0.07	
	Class II/III OB	124	5.53±0.03		81	5.52±0.03		3,843	5.55±0.06	

BMI, body mass index; CMRF, cardiometabolic risk factor; SE, standard error; TC, total cholesterol; HDL-C, high-density lipoprotein cholesterol; LDL-C, low-density lipoprotein cholesterol; HbA1c, glycated hemoglobin; BP, blood pressure; NW, normal weight; OW, overweight; OB, obesity.