

Table S1. Statistical comparison of the reference populations.

	The North American reference population ²⁶		The local reference population 1 ^{27, 28}		The local reference population 2	
Subjects, n	1160		129		18	
Sex	55.2% men		45.7% men		100% men	
Ethnicity	88% non-Hispanic white		100% non-Hispanic white		100% non-Hispanic white	
	Men (n=640) A	Women (n=520) B	Men (n=59) C	Women (n=70) D	Men (n=18) E	Women (n=0) (n=0)
Age, years	56.0±11.4 <i>A vs. C **</i> <i>A vs. E ns</i>	57.0±11.2 <i>B vs. D **</i>	34.9±6.2 <i>C vs. A **</i> <i>C vs. E **</i>	36.4±6.4 <i>D vs. B **</i>	53.4±3.2 <i>E vs. A ns</i> <i>E vs. C **</i>	<i>NA</i>
VAT area, cm ²	99.6±44.4 <i>A vs. C **</i> <i>A vs. E ns</i>	54.2±34.3 <i>B vs. D **</i>	125.1±67.8 <i>C vs. A **</i> <i>C vs. E ns</i>	85.0±11.9 <i>D vs. B **</i>	118.3±75.9 <i>E vs. A ns</i> <i>E vs. C ns</i>	<i>NA</i>
BMI, kg/m ²	27.8±3.9 <i>A vs. C **</i> <i>A vs. E *</i>	25.6±4.8 <i>B vs. D ns</i>	26.0±3.5 <i>C vs. A **</i> <i>C vs. E ns</i>	26.3±5.4 <i>D vs. B ns</i>	25.0±3.1 <i>E vs. A *</i> <i>E vs. C ns</i>	<i>NA</i>
Total cholesterol, mg/dl	197.9±37.3 <i>A vs. C ns</i> <i>A vs. E ns</i>	204.3±37.1 <i>B vs. D **</i>	195.3±34.4 <i>C vs. A ns</i> <i>C vs. E *</i>	184.8±33.3 <i>D vs. B **</i>	215.1±41.8 <i>E vs. A ns</i> <i>E vs. C *</i>	<i>NA</i>
HDL-cholesterol, mg/dl	44.3±12.8 <i>A vs. C ns</i> <i>A vs. E **</i>	62.3±16.0 <i>B vs. D **</i>	44.1±8.5 <i>C vs. A ns</i> <i>C vs. E **</i>	53.0±10.8 <i>D vs. B **</i>	59.9±17.6 <i>E vs. A **</i> <i>E vs. C **</i>	<i>NA</i>
LDL-cholesterol, mg/dl	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	136.5±35.5	<i>NA</i>
Triglycerides, mg/dl	<i>NA</i>	<i>NA</i>	119.6±62.0 <i>C vs. E ns</i>	86.8±43.4	92.2±45.8 <i>E vs. C ns</i>	<i>NA</i>

VAT, visceral adipose tissue; BMI, body mass index; HDL, high density lipoprotein; LDL, low density lipoprotein

* Statistically significant difference at level $p < 0.05$, ** statistically significant difference at level $p < 0.01$