

**Associations of Insulin Resistance with Systolic and Diastolic Blood Pressure: A Study
from the Hispanic Community Health Study/Study of Latinos (HCHS/SOL)**

SUPPLEMENTAL MATERIAL

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Table S1: Demographics and Clinical Characteristics by ACC/AHA Blood Pressure Categories in the Hispanic Community

Health Study/Study of Latinos at Visit 1 (2008-2011)

Characteristics at Visit 1	Normal BP	Elevated BP	Stage 1 HTN	Stage 2 HTN
Demographics				
Female, %	61.6	30.4	41.2	44.8
Age, yrs, mean (SD)	33.8 (11.6)	37.7 (14.3)	41.7 (12.7)	50.6 (13.1)
Annual Family Income \geq \$40,000, %	22.1	25.0	21.3	19.5
Years living in U.S., yrs, mean (SD)	17.5 (12.2)	18.2 (13.6)	20.8 (14.7)	22.4 (16.4)
Health Insurance, %	46.6	44.8	47.0	46.1
Hispanic/Latin Background, %				
Dominican	9.5	9.7	11.4	9.6
Central/South American	13.4	13.2	12.1	14.2
Cuban	15.6	18.8	25.0	31.8
Mexican	43.1	38.1	32.7	24.9
Puerto-Rican	13.2	16.1	14.7	17.6
Other or more than 1 heritage	5.1	4.0	4.2	1.9
Clinical Characteristics				
CKD, %	1.1	3.0	3.7	6.1
Metabolic Syndrome, %	12.6	17.9	38.8	54.7
Current smoker, %	21.2	23.2	21.5	21.9
Alcohol use, drinks/week, mean (SD)	4.4 (7.1)	6.2 (8.0)	6.8 (9.7)	7.0 (0.0)
TPA, metabolic min/day, mean (SD)	144.4 (199.0)	176.9 (205.5)	134.8 (184.3)	116.5 (176.6)
Clinical Measures				
Body mass index, kg/m ² , mean (SD)	27.9 (5.9)	28.5 (4.9)	30.4 (5.8)	30.3 (5.5)
Waist/hip ratio, mean (SD)	0.9 (0.1)	0.9 (0.1)	0.9 (0.1)	0.9 (0.1)
Heart rate, bpm, mean (SD)	64.7 (9.0)	63.1 (9.3)	66.7 (10.1)	66.5 (10.4)
Systolic BP, mmHg, mean (SD)	107.3 (7.8)	123.6 (2.7)	127.9 (7.1)	147.4 (12.2)
Diastolic BP, mmHg, mean (SD)	65.5 (6.9)	71.8 (5.6)	80.5 (5.9)	88.2 (10.1)
MAP, mmHg, mean (SD)	79.4 (6.4)	89.1 (3.9)	96.3 (4.0)	107.9 (8.4)

Pulse pressure, mmHg, mean (SD)	41.8 (7.0)	51.8 (6.0)	47.3 (10.5)	59.3 (14.6)
Laboratory Measures				
Total cholesterol, mg/dL, mean (SD)	184.0 (39.0)	195.2 (40.6)	203.0 (42.5)	214.4 (45.0)
HDL cholesterol, mg/dL, mean (SD)	49.5 (12.5)	47.4 (12.3)	47.8 (13.0)	49.9 (15.2)
LDL cholesterol, mg/dL, mean (SD)	112.8 (33.2)	122.1 (34.7)	127.3 (36.5)	135.4 (39.2)
Triglycerides, mg/dL, mean (SD)	109.1 (74.9)	131.8 (89.6)	143.8 (111.6)	158.5 (122.8)
Proteinuria, %	4.7	4.2	5.4	12.9
HbA1c, %, mean (SD)	5.3 (0.3)	5.4 (0.4)	5.5 (0.4)	5.6 (0.4)
Fasting glucose, mg/dL, mean (SD)	91.5 (7.7)	94.1 (7.4)	95.5 (8.1)	96.8 (9.1)
HOMA-IR, mean (SD)	2.5 (2.1)	2.7 (2.2)	3.4 (2.4)	3.3 (2.1)

BP, pressure; Normal BP (<120 mmHg and DBP <80 mmHg), elevated BP (SBP 120-129 mmHg and DBP <80 mmHg), stage 1 hypertension (SBP 130-139 mmHg or DBP 80-89 mmHg), stage 2 hypertension (SBP ≥140 mmHg or DBP ≥90 mmHg); CKD, chronic kidney disease (eGFR <60 mL/min/1.73m²); MAP, mean arterial BP; HDL, high density lipoprotein; LDL, low density lipoprotein; proteinuria (urine albumin/creatinine >30mg/g); HbA1c, hemoglobin A1c; HOMA-IR, Homeostatic model assessment-Insulin Resistance; Global Physical Activity Questionnaire was used to derive total physical activity (TPA) in min/day