## Supplementary

**Table S1** Covariates associated with hypertension in children and adolescents

| Variables | OR (95% CI) | P |
|---|---|---|
| Age | 1.15 (1.11-1.19) | <0.001 |
| Gender | | |
| Male | Ref | |
| Female | 0.51 (0.40-0.65) | <0.001 |
| Race | | |
| Non-Hispanic White | Ref | |
| Non-Hispanic Black | 1.62 (1.21-2.16) | 0.001 |
| Mexican American | 1.15 (0.84-1.59) | 0.38 |
| Other Race | 1.03 (0.79-1.36) | 0.81 |
| PIR | | |
| <1 | Ref | |
| ≥1 | 0.70 (0.57-0.87) | 0.002 |
| Unknown | 0.92 (0.60-1.40) | 0.68 |
| The highest parents' education level | | |
| Below high school | Ref | |
| High school/GED or some college/AA degree | 1.04 (0.81-1.33) | 0.78 |
| College graduate or above | 0.45 (0.30-0.66) | <0.001 |
| Unknown | 0.74 (0.31-1.77) | 0.49 |
| BMI | | |
| Underweight/normal | Ref | |
| Overweight | 2.55 (1.86-3.51) | <0.001 |
| Obesity | 4.44 (3.49-5.64) | <0.001 |
| Birth weight, lbs | | |
| <5.5 | Ref | |
| ≥5.5 | 0.58 (0.38-0.91) | 0.02 |
| Unknown | 1.69 (1.08-2.64) | 0.02 |
| Ideal physical activity | | |
| No | Ref | |
| Yes | 1.01 (0.75-1.35) | 0.96 |
| Unknown | 0.82 (0.54-1.26) | 0.37 |
| Cotinine, ng/mL | | |
| <0.05 | Ref | |
| ≥0.05 | 1.81 (1.39-2.36) | <0.001 |
| Inhaled corticosteroids | | |
| No | Ref | |
| Yes | 0.47 (0.17-1.33) | 0.15 |
| Total energy intake | 1.00 (1.00-1.00) | 0.05 |
| Carbohydrate | 1.00 (1.00-1.00) | 0.31 |
| Protein | 1.00 (1.00-1.00) | 0.04 |
| Total fat | 1.00 (1.00-1.00) | 0.03 |
| VE | 0.99 (0.98-1.01) | 0.28 |
| VC | 1.00 (1.00-1.00) | 0.04 |
| Zn | 1.00 (0.99-1.02) | 0.44 |
| Se | 1.00 (1.00-1.00) | 0.06 |
| Na | 1.00 (1.00-1.00) | 0.005 |
| K | 1.00 (1.00-1.00) | 0.69 |
| Fasting blood glucose, mg/dL | | |
| <100 | Ref | |
| ≥100 | 2.20 (1.43-3.39) | <0.001 |
| Unknown | 1.07 (0.77-1.48) | 0.68 |
| TC, mg/dL | | |
| <200 | Ref | |
| ≥200 | 1.16 (0.85-1.60) | 0.35 |
| Unknown | 1.64 (0.41-6.49) | 0.48 |
| TG, mg/dL | | |
| <150 | Ref | |
| ≥150 | 2.54 (1.51-4.28) | 0.001 |
| Unknown | 1.00 (0.76-1.31) | 0.99 |
| LDL, mg/dL | | |
| <130 | Ref | |
| ≥130 | 1.87 (1.05-3.31) | 0.03 |
| Unknown | 0.97 (0.75-1.25) | 0.79 |
| HDL, mg/dL | | |
| ≤35 | Ref | |
| >35 | 0.39 (0.28-0.53) | <0.001 |
| Unknown | 0.68 (0.17-2.73) | 0.59 |
| HOMA-IR | | |
| <4.39 | Ref | |
| ≥4.39 | 2.45 (1.64-3.66) | <0.001 |
| Unknown | 1.13 (0.81-1.56) | 0.48 |

OR, odds ratio; CI, confidence interval; PIR, poverty-to-income ratio; BMI, body mass index; VE, vitamin E; VC, vitamin C; Zn, Zinc; Se, selenium; Na, sodium; K, potassium; TC, total cholesterol; TG, triglyceride; LDL, low density lipoprotein; HDL, high density lipoprotein; HOMA-IR, homeostasis model assessment of insulin resistance.


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