

S3 Table.

Crude and adjusted logistic regression analysis of hypertension unawareness (SBP/DBP \geq 140/90 mmHg without a self-reported medical history of hypertension) in hypertensive participants aged between 30 and 75 years in the provinces of Panama and Colon using merged data from the PREFREC (2010) and ENSPA (2019) studies. Odds ratio (OR) and 95% confidence intervals (CIs).

	Crude analysis	Adjusted analysis	
	OR (95% CI)	Model A	Model B
Study Year			
PREFREC (2010) study (reference)	1 (ref)	1 (ref)	1 (ref)
ENSPA (2019) study	2.68 (2.05–3.50)	1.81 (1.25–2.63)	1.7 (1.15–2.51)
Demographic Factors			
Sex			
Women (reference)	1 (ref)	1 (ref)	1 (ref)
Men	2.50 (1.95–3.21)	2.05 (1.48–2.83)	2.06 (1.47–2.88)
Age group			
\geq 50 years (reference)	1 (ref)	1 (ref)	1 (ref)
<50 years	1.93 (1.49–2.51)	2.01 (1.47–2.74)	2.05 (1.47–2.86)
Ethnicity			
Caucasian (reference)	1 (ref)	1 (ref)	1 (ref)
Afro-Panamanian	1.24 (0.83–1.87)	1.40 (0.85–2.31)	1.32 (0.79–2.23)
Mestizo	0.81 (0.56–1.17)	1.05 (0.68–1.62)	1.01 (0.65–1.59)
Indigenous	1.83 (0.81–4.15)	1.49 (0.69–3.20)	1.24 (0.55–2.79)
Others (including Asians)	1.89 (0.84–4.25)	1.34 (0.58–3.10)	1.07 (0.42–2.74)
Established risk factors for hypertension			
Tabaco consumption			
Non-smoker (reference)	1 (ref)	1 (ref)	1 (ref)
Ex-smoker	0.65 (0.44–0.96)	1.02 (0.60–1.74)	0.95 (0.55–1.63)
Current smoker	1.31 (0.74–2.33)	0.62 (0.27–1.41)	0.53 (0.22–1.25)
Body mass index categories¹			
Underweight	1.28 (0.30–5.44)	0.95 (0.32–2.79)	0.96 (0.33–2.83)
Normal weight (reference)	1 (ref)	1 (ref)	1 (ref)
Overweight	0.93 (0.65–1.31)	0.85 (0.58–1.26)	0.86 (0.58–1.29)
Obesity	0.68 (0.48–0.95)	0.61 (0.40–0.91)	0.60 (0.39–0.91)
Physical inactivity			
No (reference)	1 (ref)	1 (ref)	1 (ref)
Yes	1.59 (1.21–2.08)	0.94 (0.67–1.32)	0.90 (0.63–1.27)
Family history of hypertension			
No (reference)	1 (ref)	1 (ref)	1 (ref)
Yes	0.21 (0.16–0.27)	0.28 (0.21–0.38)	0.28 (0.20–0.39)
Self-reported medical history of diabetes			
No (reference)	1 (ref)	1 (ref)	1 (ref)
Yes	0.44 (0.29–0.66)	0.39 (0.28–0.54)	0.39 (0.28–0.55)
BP assessment in the year before study enrollment			
No (reference)	1 (ref)	1 (ref)	1 (ref)
Yes	0.22 (0.17–0.29)	0.48 (0.27–0.86)	0.46 (0.25–0.87)
Socioeconomic Factors			
Region			
Urban (reference)	1 (ref)		1 (ref)
Non-urban	1.76 (1.35–2.30)		1.34 (0.97–1.83)
Education			
Higher education (reference)	1 (ref)		1 (ref)
Secondary education	1.29 (0.89–1.86)		1.38 (0.86–2.21)
No/primary education	1.08 (0.73–1.59)		1.34 (0.78–2.30)
Monthly Family Income			
\geq 1,000 PAB (reference)	1 (ref)		1 (ref)
250–999 PAB	1.33 (0.92–1.93)		1.05 (0.63–1.76)
<250 PAB	1.19 (0.80–1.78)		0.87 (0.50–1.54)

SBP=systolic blood pressure. DBP=diastolic blood pressure. OR=odds ratio. CIs=confidence intervals. BP=blood pressure. BMI=body mass index. PAB=Panamanian Balboa.

Model A= adjusted by study year, sex, age group, ethnicity, BMI categories, physical inactivity, family history of hypertension, self-reported medical history of diabetes, tobacco consumption, and BP assessment in the year before study enrollment.

Model B= further adjusted by region, education, and monthly family income.

¹According to World Health Organization (WHO).