

Table 4 Multivariable logistic regression model for association of hypertension and different variables

Variables		Hypertension (+)			Awareness (+)			Control (uncontrolled)			Stage (II)						
		OR	95% CI		P <sup>a</sup>	OR	95% CI		P <sup>a</sup>	OR	95% CI		P <sup>a</sup>				
			Lower	Upper			Lower	Upper			Lower	Upper		Lower	Upper		
Age category, yr	40-49	1.00			1.00				1.00				1.00				
	50-59	2.35	1.85	2.98	0.001	1.02	0.72	1.45	0.915	1.73	1.00	3.01	0.051	1.40	0.76	2.61	0.277
	60-69	4.01	2.88	5.58	0.001	1.86	1.12	3.31	0.018	1.96	1.10	3.50	0.023	1.03	0.45	2.33	0.951
	70-80	7.01	4.01	12.24	0.001	1.73	1.06	2.84	0.029	1.43	0.74	2.78	0.280	0.55	0.25	1.22	0.139
Sex	Male	1.00			1.00				1.00				1.00				
	Female	0.98	0.75	1.28	0.860	2.21	1.56	3.12	0.001	0.77	0.48	1.26	0.293	1.39	0.85	2.27	0.182
Area	Urban	1.00			1.00				1.00				1.00				
	Rural	1.57	1.00	2.45	0.049	0.82	0.53	1.26	0.360	0.99	0.55	1.80	0.977	1.12	0.48	2.61	0.796
Education	Illiterate	1.00			1.00				1.00				1.00				
	< 6 yr	0.91	0.65	1.28	0.581	0.62	0.40	0.98	0.040	0.87	0.55	1.35	0.522	1.07	0.46	2.51	0.868
	6-12 yr	0.88	0.63	1.23	0.449	0.60	0.34	1.06	0.080	0.90	0.49	1.64	0.720	1.48	0.56	3.90	0.417
	> 12 yr	0.75	0.48	1.15	0.181	0.71	0.36	1.38	0.303	0.73	0.29	1.81	0.490	1.30	0.50	3.40	0.584
Duration of smoking, yr		0.99	0.97	1.00	0.065	1.02	1.00	1.04	0.020	0.99	0.97	1.02	0.629	1.00	0.96	1.04	0.966
Amount of smoking per day <sup>b</sup>		0.99	0.96	1.02	0.469	0.94	0.90	0.98	0.009	0.97	0.91	1.03	0.274	0.99	0.93	1.05	0.765
BMI	Normal	1.00			1.00				1.00				1.00				
	Over weight	1.97	1.53	2.56	0.001	1.01	0.69	1.48	0.967	1.11	0.72	1.71	0.628	1.57	0.89	2.77	0.118
	Obese	2.78	2.06	3.75	0.001	1.17	0.79	1.73	0.418	1.59	0.94	2.71	0.084	1.24	0.63	2.45	0.524
Hyperlipidaemia	No	1.00			1.00				1.00				1.00				
	Yes	1.60	1.26	2.03	0.001	2.36	1.71	3.25	0.001	0.81	0.54	1.21	0.305	1.06	0.63	1.80	0.811
Physical activity	Yes	1.00			1.00				1.00				1.00				
	No	1.02	0.80	1.30	0.874	0.97	0.67	1.41	0.878	0.93	0.63	1.38	0.715	1.41	0.71	2.80	0.324
Diabetes	No	1.00			1.00				1.00				1.00				
	Yes	1.46	1.12	1.89	0.005	1.63	1.24	2.16	0.001	1.61	1.06	2.42	0.025	1.16	0.65	2.07	0.615

<sup>a</sup>Based on logistic regression considering the cluster effect by multilevel analysis<sup>b</sup>Number of cigarettes per day.

BMI = body mass index; CI = confidence interval; OR = odds ratio.