

Supplementary Table 1: Factors associated with hypertension among elderly Bangladeshi people stratified by gender (adjusted for age, BMI, and waist circumference as continuous variables)

Variables	Male				Female			
	COR	95% CI	AOR	95% CI	COR	95% CI	AOR	95% CI
Age (years) [§]	1.02***	1.01, 1.03	1.03***	1.01, 1.04	1.02***	1.01, 1.03	1.03***	1.02, 1.04
Place of Residence								
Rural	Ref		Ref		Ref		Ref	
Non-slum urban	1.72***	1.38, 2.15	0.90	0.67, 1.20	1.87***	1.48, 2.37	1.10	0.81, 1.49
Slum	0.76	0.58, 1.00	0.69*	0.50, 0.93	0.88	0.69, 1.13	0.88	0.67, 1.17
Educational status								
No education	Ref		Ref		Ref		Ref	
Up to primary	1.07	0.84, 1.37	0.90	0.69, 1.17	1.00	0.75, 1.33	0.92	0.68, 1.26
Up to SSC	1.62***	1.32, 1.98	1.20	0.96, 1.5	1.71***	1.30, 2.25	1.21	0.9, 1.64
Above SSC	3.12***	2.44, 3.99	1.69***	1.26, 2.26	3.79**	1.68, 8.57	2.14	0.85, 5.36
Wealth Quintile								
Least wealthy (Q1)	Ref		Ref		Ref		Ref	
Lower (Q2)	0.95	0.74, 1.23	0.91	0.70, 1.2	1.28	0.98, 1.66	1.26	0.95, 1.66
Middle (Q3)	1.37*	1.07, 1.75	1.14	0.87, 1.49	1.41*	1.08, 1.84	1.32	0.99, 1.75
Upper (Q4)	1.23	0.96, 1.57	0.85	0.65, 1.13	1.19	0.91, 1.55	0.91	0.68, 1.22
Wealthiest (Q5)	1.75***	1.36, 2.25	0.83	0.61, 1.14	1.66***	1.27, 2.16	1	0.73, 1.39
Marital Status								
Currently married	Ref		Ref		Ref		Ref	
Others [£]	1.37*	1.03, 1.82	1.16	0.84, 1.61	1.23*	1.02, 1.49	1.00	0.81, 1.24
Religion								
Muslim	Ref		Ref		Ref		Ref	
Others ^{££}	1.28*	1.03, 1.60	1.17	0.92, 1.50	0.99	0.79, 1.24	NA	NA
Physical Activity								
>=150 Minutes/week	Ref		Ref		Ref		Ref	
<150 Minutes/week	1.95***	1.66, 2.29	1.44***	1.19, 1.74	1.72***	1.45, 2.03	1.31**	1.09, 1.59
Fruits & Vegetables Consumption								
>=5 servings/day	Ref		Ref		Ref		Ref	
<5 servings/day	1.35*	1.06, 1.72	1.24	0.95, 1.61	0.98	0.68, 1.40	NA	NA
Currently smoking								
No	Ref		Ref		Ref		Ref	
Yes	0.55***	0.47, 0.65	0.81*	0.67, 0.97	0.65	0.41, 1.05	0.73	0.44, 1.23
Smokeless tobacco use								
No	Ref		Ref		Ref		Ref	
Yes	0.80**	0.68, 0.94	0.84	0.70, 1.00	0.74**	0.63, 0.88	0.87	0.73, 1.05
Body Mass Index (Kg/M ²) [§]	1.18***	1.15, 1.21	NA	NA	1.14***	1.11, 1.17	NA	NA

Waist Circumference (cm) [§]	1.06***	1.05, 1.07	1.06***	1.05, 1.07	1.05***	1.04, 1.06	1.05***	1.04, 1.05
Self-reported diabetes								
No	Ref		Ref		Ref		Ref	
Yes	2.22***	1.72, 2.88	1.26	0.94, 1.69	2.45***	1.85, 3.23	1.59**	1.18, 2.16

* p < 0.05, ** p < 0.01, *** p < 0.001; CI: Confidence Interval; COR: Crude Odds Ratio; AOR: Adjusted Odds Ratio;

NA: Not applicable, these variables were not included in the adjusted analysis as these were dropped due to the significance level was >0.2 in the crude analysis

§: Continuous variables

[£]Never married, widow/widower, divorced and separated

^{££}Hindu, Buddhist, Christian and others

Supplementary Table 2: Factors associated with hypertension among elderly Bangladeshi people stratified by gender (adjusted for body mass index instead of waist circumference)

Variables	Male				Female			
	COR	95% CI	AOR	95% CI	COR	95% CI	AOR	95% CI
Age (years) [§]	1.02***	1.01, 1.03	1.02***	1.01, 1.04	1.02***	1.01, 1.03	1.03***	1.02, 1.04
Place of Residence								
Rural	Ref		Ref		Ref		Ref	
Non-slum urban	1.72***	1.38, 2.15	0.90	0.67, 1.20	1.87***	1.48, 2.37	1.11	0.81, 1.50
Slum	0.76	0.58, 1.00	0.68*	0.50, 0.92	0.88	0.69, 1.13	0.90	0.68, 1.19
Educational status								
No education	Ref		Ref		Ref		Ref	
Up to 5 th grade	1.07	0.84, 1.37	0.94	0.72, 1.22	1.00	0.75, 1.33	0.98	0.72, 1.33
Up to 10 th grade	1.62***	1.32, 1.98	1.23	0.98, 1.54	1.71***	1.30, 2.25	1.29	0.95, 1.75
Above 10 th grade	3.12***	2.44, 3.99	1.76***	1.32, 2.36	3.79***	1.68, 8.57	2.33	0.93, 5.81
Wealth Quintile								
Least wealthy	Ref		Ref		Ref		Ref	
Lower	0.95	0.74, 1.23	0.94	0.72, 1.23	1.28	0.98, 1.66	1.28	0.97, 1.69
Middle	1.37*	1.07, 1.75	1.17	0.89, 1.53	1.41*	1.08, 1.84	1.35	1.02, 1.81
Upper	1.23	0.96, 1.57	0.93	0.7, 1.23	1.19	0.91, 1.55	0.92	0.68, 1.24
Wealthiest	1.75***	1.36, 2.25	0.94	0.69, 1.28	1.66***	1.27, 2.16	1.03	0.74, 1.43
Marital Status								
Currently married	Ref		Ref		Ref		Ref	
Others [£]	1.37*	1.03, 1.82	1.11	0.80, 1.55	1.23*	1.02, 1.49	1.03	0.83, 1.27
Religion								
Muslim	Ref		Ref		Ref			
Others ^{££}	1.28*	1.03, 1.60	1.12	0.88, 1.43	0.99	0.79, 1.24	NA	NA

Physical Activity								
≥150 minutes/week	Ref		Ref		Ref		Ref	
<150 minutes/week	1.95***	1.66, 2.29	1.46***	1.21, 1.76	1.72***	1.45, 2.03	1.34**	1.10, 1.62
Fruits & Vegetables								
≥5 servings/day	Ref		Ref		Ref			
<5 servings/day	1.35*	1.06, 1.72	1.22	0.94, 1.59	0.98	0.68, 1.40	NA	NA
Currently smokers								
No	Ref		Ref		Ref		Ref	
Yes	0.55***	0.47, 0.65	0.79*	0.65, 0.95	0.65	0.41, 1.05	0.8	0.47, 1.35
Smokeless tobacco use								
No	Ref		Ref		Ref		Ref	
Yes	0.80**	0.68, 0.94	0.83*	0.7, 1	0.74**	0.63, 0.88	0.87	0.72, 1.04
Body Mass Index (BMI)								
Normal	Ref		Ref		Ref		Ref	
Underweight	0.62***	0.50, 0.77	0.61***	0.49, 0.77	0.56***	0.45, 0.69	0.53***	0.42, 0.66
Overweight	2.25***	1.83, 2.77	1.96***	1.57, 2.45	1.69***	1.35, 2.12	1.62***	1.28, 2.05
Obese	4.53***	2.96, 6.93	3.7***	2.37, 5.79	2.99***	2.10, 4.25	2.59***	1.78, 3.75
Waist Circumference								
Male: <90 cm/ Female: <80 cm	Ref		Ref		Ref		Ref	
Male: ≥90 cm/ Female: ≥80 cm	3.39***	2.78, 4.14	\$	\$	2.46***	2.06, 2.94	\$	\$
Self-reported Diabetes								
No	Ref		Ref		Ref		Ref	
Yes	2.22***	1.72, 2.88	1.32	0.98, 1.77	2.45***	1.85, 3.23	1.73***	1.28, 2.34

* p < 0.05, ** p < 0.01, *** p < 0.001; CI: Confidence Interval; COR: Crude Odds Ratio; AOR: Adjusted Odds Ratio;

NA: Not applicable, these variables were not included in the adjusted analysis as these were dropped due to the significance level was >0.2 in the crude analysis

\$: Although waist circumference was used in the final model, BMI is used here to produce a supplementary table to show to results of the analysis using BMI instead of waist circumference.

‡Never married, widow/widower, divorced and separated

‡‡Hindu, Buddhist, Christian and others