

Table: Modified stepwise Poisson regression models showing prevalence ratios (PR) and 95% confidence intervals for co-morbidities by demographic characteristics among Bangladeshi adults.

	Group-A (Diabetes and hypertension)	Group-B (Diabetes and overweight/obesity)	Group-C (Hypertension and overweight/obesity)	Group-D (Diabetes, hypertension and overweight/obesity)
Model-1 (Wealth index)				
<i>Wealth index</i>				
Richest	3.94 (2.42-6.41)**	9.69 (4.84-19.4) **	6.83 (4.66-10) **	8.67 (3.65-20.56) **
Richer	1.52 (0.88-2.61)	3.39 (1.61-7.16) **	3.78 (2.53-5.64) **	2.44 (0.95-6.31)
Middle	0.9 (0.47-1.71)	1.63 (0.69-3.81)	1.3 (0.81-2.07)	1.17 (0.37-3.7)
Poorer	0.9 (0.47-1.73)	0.81 (0.31-2.16)	1.13 (0.7-1.84)	0.79 (0.24-2.64)
Poorest	Ref	Ref	Ref	Ref
Model-2 (Wealth index + sex)				
<i>Wealth index</i>				
Richest	3.93 (2.42-6.39) **	9.68 (4.84-19.35) **	6.88 (4.7-10.08) **	8.69 (3.68-20.5) **
Richer	1.51 (0.88-2.6)	3.39 (1.61-7.14) **	3.82 (2.56-5.69) **	2.45 (0.96-6.3)
Middle	0.9 (0.47-1.71)	1.62 (0.69-3.8)	1.31 (0.82-2.09)	1.17 (0.37-3.69)
Poorer	0.89 (0.47-1.71)	0.81 (0.31-2.15)	1.16 (0.72-1.89)	0.8 (0.24-2.63)
Poorest	Ref	Ref	Ref	Ref
<i>Sex</i>				
Female	0.85 (0.43-1.66)	0.95 (0.49-1.85)	1.66 (1.22-2.26) **	1.21 (0.53-2.74)
Male	Ref	Ref	Ref	Ref
Model-3 (Wealth index + sex+ age)				
<i>Wealth index</i>				
Richest	4.04 (2.49-6.56) **	9.65 (4.82-19.3) **	6.92 (4.73-10.13) **	8.82 (3.74-20.82) **
Richer	1.51 (0.88-2.59)	3.4 (1.61-7.14) **	3.81 (2.55-5.67) **	2.44 (0.95-6.26)
Middle	0.88 (0.46-1.67)	1.63 (0.7-3.81)	1.3 (0.81-2.07)	1.15 (0.37-3.65)
Poorer	0.86 (0.45-1.64)	0.82 (0.31-2.15)	1.15 (0.71-1.87)	0.78 (0.24-2.57)
Poorest	Ref	Ref	Ref	Ref
<i>Sex</i>				
Female	0.75 (0.39-1.46)	0.97 (0.5-1.88)	1.61 (1.18-2.19) **	1.13 (0.5-2.54)
Male	Ref	Ref	Ref	Ref
<i>Age</i>				
Older	2.34 (1.71-3.2) **	0.88 (0.65-1.2)	1.23 (1.03-1.47) **	1.6 (1.05-2.42) **
Younger	Ref	Ref	Ref	Ref
Model-4 (Wealth index + sex+ age + education)				

Wealth index				
Richest	3.62 (2.16-6.07) **	7.84 (3.74-16.45) **	6.76 (4.55-10.03) **	7.56 (3.11-18.42) **
Richer	1.45 (0.84-2.51)	2.98 (1.37-6.5)	3.77 (2.53-5.63) **	2.24 (0.87-5.8)
Middle	0.87 (0.46-1.64)	1.5 (0.65-3.5)	1.28 (0.81-2.05)	1.1 (0.36-3.36)
Poorer	0.85 (0.45-1.63)	0.78 (0.29-2.09)	1.15 (0.71-1.86)	0.77 (0.23-2.51)
Poorest	Ref	Ref	Ref	Ref
Sex				
Female	0.76 (0.39-1.49)	1.04 (0.53-2.05)	1.62 (1.18-2.22) **	1.19 (0.52-2.71)
Male	Ref	Ref	Ref	Ref
Age				
Older	2.45 (1.79-3.36) **	0.97 (0.7-1.34)	1.25 (1.04-1.51) **	1.72 (1.11-2.65) **
Younger	Ref	Ref	Ref	Ref
Education				
College or higher	1.54 (0.96-2.5)	1.73 (1.06-2.83) **	1.21 (0.91-1.61)	1.59 (0.85-2.97)
Secondary	0.97 (0.62-1.51)	1.22 (0.74-2.01)	0.84 (0.64-1.12)	1.12 (0.59-2.15)
Primary	0.96 (0.64-1.42)	1.35 (0.85-2.14)	1.13 (0.9-1.43)	1.17 (0.65-2.11)
No education, preschool	Ref	Ref	Ref	Ref
Model-5 (Wealth index + sex+ age + education+ occupation)				
Wealth index				
Richest	2.72 (1.6-4.61) **	5.3 (2.54-11.05) **	4.97 (3.37-7.33) **	5.47 (2.32-12.91) **
Richer	1.18 (0.69-2.04)	2.29 (1.06-4.95) **	3.06 (2.06-4.53) **	1.79 (0.71-4.49)
Middle	0.75 (0.4-1.41)	1.24 (0.54-2.85)	1.11 (0.7-1.76)	0.93 (0.31-2.76)
Poorer	0.78 (0.41-1.49)	0.72 (0.27-1.88)	1.06 (0.65-1.7)	0.7 (0.22-2.26)
Poorest	Ref	Ref	Ref	Ref
Sex				
Female	0.67 (0.35-1.31)	0.91 (0.47-1.78)	1.44 (1.06-1.96) **	1.05 (0.47-2.37)
Male	Ref	Ref	Ref	Ref
Age				
Older	2.13 (1.54-2.94) **	0.86 (0.62-1.19)	1.11 (0.91-1.34)	1.54 (1.00-2.38) **
Younger	Ref	Ref	Ref	Ref
Education				
College or higher	1.4 (0.86-2.28)	1.54 (0.94-2.51)	1.09 (0.82-1.45)	1.44 (0.77-2.71)
Secondary	1.05 (0.67-1.64)	1.32 (0.8-2.18)	0.9 (0.68-1.2)	1.22 (0.63-2.35)
Primary	1.03 (0.69-1.53)	1.41 (0.89-2.25)	1.18 (0.93-1.49)	1.24 (0.68-2.26)
No education, preschool	Ref	Ref	Ref	Ref
Occupational				
Non-manual	3.32 (1.97-5.59) **	4.25 (2.27-7.97) **	3.04 (2.19-4.23) **	3.79 (1.67-8.61) **

Manual	Ref	Ref	Ref	Ref
Model-5 (Wealth index + sex+ age + education+ occupation+ place of residence)				
Wealth index				
Richest	2.32 (1.32-4.1) **	4.84 (2.26-10.4) **	4.85 (3.25-7.24) **	3.99 (1.58-10.11) **
Richer	1.12 (0.66-1.91)	2.22 (1.02-4.8)	3.03 (2.04-4.49)	1.59 (0.65-3.92)
Middle	0.74 (0.39-1.38)	1.23 (0.54-2.82)	1.1 (0.69-1.75)	0.9 (0.31-2.64)
Poorer	0.78 (0.41-1.48)	0.71 (0.27-1.88)	1.06 (0.65-1.7)	0.7 (0.22-2.24)
Poorest	Ref	Ref	Ref	Ref
Sex				
Female	0.67 (0.35-1.31)	0.91 (0.47-1.78)	1.44 (1.06-1.96) **	1.05 (0.46-2.36)
Male	Ref	Ref	Ref	Ref
Age				
Older	2.17 (1.58-2.99) **	0.87 (0.62-1.21)	1.11 (0.91-1.35)	1.61 (1.05-2.49) **
Younger	Ref	Ref	Ref	Ref
Education				
College or higher	1.38 (0.85-2.25)	1.53 (0.93-2.5)	1.09 (0.82-1.45)	1.4 (0.74-2.63)
Secondary	1.06 (0.68-1.65)	1.33 (0.8-2.19)	0.91 (0.68-1.2)	1.24 (0.65-2.38)
Primary	1.03 (0.69-1.53)	1.42 (0.89-2.26)	1.18 (0.93-1.5)	1.25 (0.69-2.28)
No education, preschool	Ref	Ref	Ref	Ref
Occupational				
Non-manual	3.27 (1.94-5.52) **	4.22 (2.26-7.9) **	3.04 (2.19-4.22) **	3.69 (1.63-8.36) **
Manual	Ref	Ref	Ref	Ref
Place of residence				
Urban	1.33 (0.9-1.95)	1.17 (0.8-1.72)	1.04 (0.85-1.27)	1.72 (0.99-3.01)
Rural	Ref	Ref	Ref	Ref