

TABLE S1. Adjusted odds ratios predicting diabetes and adults age 35 and older by gender and survey year in Bangladesh, BDHS 2011-2018.

Variables	2011 BDHS-Male		2018 BDHS-Male		2011 BDHS-Female		2018 BDHS-Female	
	OR (95% CI)	p-value	OR (95% CI)	p-value	OR (95% CI)	p-value	OR (95% CI)	p-value
Age groups								
35-44	Ref		Ref		Ref		Ref	
45-54	1.56 (1.1, 2.21)	0.013	1.41 (0.98, 2.03)	0.065	1.18 (0.87, 1.62)	0.288	1.41 (1.06, 1.86)	0.018
55-64	2.36 (1.6, 3.47)	<0.001	1.58 (1.09, 2.29)	0.015	1.84 (1.15, 2.94)	0.012	1.53 (1.09, 2.14)	0.013
65-74	1.79 (1.14, 2.8)	0.011	1.80 (1.18, 2.75)	0.007	1.35 (0.76, 2.39)	0.304	1.44 (0.9, 2.33)	0.132
75+	1.52 (0.85, 2.72)	0.153	1.41 (0.79, 2.51)	0.24	1.92 (0.98, 3.76)	0.059	1.11 (0.62, 1.99)	0.727
Marital status								
Not married	Ref				Ref			
Married	0.66 (0.35, 1.26)	0.205	1.83 (0.96, 3.47)	0.064	1.00 (0.75, 1.34)	0.992	1.17 (0.89, 1.56)	0.263
Educational level								
No education	Ref		Ref		Ref		Ref	
Primary	1.22 (0.88, 1.68)	0.236	1.48 (1.06, 2.06)	0.022	1.37 (1, 1.86)	0.047	1.12 (0.84, 1.48)	0.434
Secondary	1.14 (0.80, 1.63)	0.47	1.15 (0.78, 1.69)	0.482	1.53 (1.05, 2.23)	0.029	1.37 (0.97, 1.92)	0.071
Higher	1.99 (1.31, 3.01)	0.001	1.19 (0.76, 1.86)	0.449	1.85 (1.1, 3.11)	0.02	0.98 (0.59, 1.64)	0.941
Place of residence								
Urban	1.03 (0.76, 1.4)	0.838	0.71 (0.55, 0.93)	0.012	1.1 (0.83, 1.45)	0.497	1.24 (0.96, 1.61)	0.097
Rural	Ref		Ref		Ref		Ref	
Geographic region								
Barisal	1.42 (0.91, 2.22)	0.121	0.83 (0.53, 1.30)	0.415	1.44 (0.97, 2.14)	0.072	0.72 (0.46, 1.12)	0.148
Chittagong	1.55 (1.05, 2.27)	0.027	0.88 (0.62, 1.26)	0.484	1.36 (0.97, 1.91)	0.071	0.88 (0.61, 1.26)	0.48
Dhaka	Ref		Ref		Ref		Ref	
Khulna	0.75 (0.50, 1.12)	0.159	0.56 (0.39, 0.82)	0.003	0.61 (0.4, 0.92)	0.02	0.65 (0.46, 0.93)	0.019
Rajshahi	1.14 (0.73, 1.77)	0.569	0.78 (0.52, 1.2)	0.259	1.21 (0.82, 1.77)	0.338	0.71 (0.46, 1.09)	0.116
Rangpur	1.04 (0.64, 1.68)	0.885	0.60 (0.39, 0.92)	0.019	0.99 (0.63, 1.57)	0.975	0.53 (0.34, 0.82)	0.004
Sylhet	1.41 (0.92, 2.15)	0.112	0.66 (0.41, 1.07)	0.091	1.11 (0.77, 1.6)	0.58	0.82 (0.54, 1.22)	0.325
Wealth index								
Poorest	Ref		Ref		Ref		Ref	
Poorer	0.81 (0.51, 1.30)	0.389	1.20 (0.72, 2.00)	0.485	0.96 (0.58, 1.59)	0.88	0.87 (0.58, 1.32)	0.522
Middle	0.75 (0.46, 1.21)	0.239	1.90 (1.16, 3.12)	0.011	0.99 (0.63, 1.57)	0.981	1.02 (0.66, 1.57)	0.945

TABLE S1. Adjusted odds ratios predicting diabetes and adults age 35 and older by gender and survey year in Bangladesh, BDHS 2011-2018.

Variables	2011 BDHS-Male		2018 BDHS-Male		2011 BDHS-Female		2018 BDHS-Female	
	OR (95% CI)	p-value	OR (95% CI)	p-value	OR (95% CI)	p-value	OR (95% CI)	p-value
Richer	0.95 (0.59, 1.51)	0.815	2.58 (1.53, 4.34)	<0.001	1.43 (0.9, 2.25)	0.129	1.44 (0.94, 2.21)	0.093
Richest	1.54 (0.94, 2.53)	0.088	5.47 (3.25, 9.19)	<0.001	2.38 (1.49, 3.79)	<0.001	2.03 (1.33, 3.09)	0.001
Body Mass Index								
Underweight	0.86 (0.6, 1.22)	0.382	0.76 (0.51, 1.13)	0.177	0.69 (0.44, 1.08)	0.101	0.78 (0.52, 1.18)	0.238
Normal weight	Ref		Ref		Ref		Ref	
Overweight	1.54 (1.13, 2.12)	0.007	1.25 (0.94, 1.66)	0.122	1.63 (1.09, 2.42)	0.016	1.15 (0.86, 1.52)	0.343
Obese	1.71 (1.1, 2.68)	0.018	1.82 (1.22, 2.69)	0.003	1.31 (0.86, 1.98)	0.207	1.29 (0.95, 1.76)	0.105
Currently working								
No	Ref		Ref		Ref		Ref	
Yes	0.71 (0.48, 1.06)	0.09	0.80 (0.54, 1.17)	0.249	0.84 (0.55, 1.26)	0.394	0.79 (0.61, 1.03)	0.076
Hypertension								
No	Ref		Ref		Ref		Ref	
Yes	1.17 (0.88, 1.56)	0.269	1.42 (1.1, 1.83)	0.007	1.77 (1.4, 2.24)	<0.001	1.70 (1.33, 2.18)	<0.001

TABLE S2. Adjusted odds ratios predicting diabetes and adults age 35 and older by rural-urban and survey year in Bangladesh, BDHS 2011-2018.

Variables	2011 BDHS-Urban		2018 BDHS-Urban		2011 BDHS-Rural		2018 BDHS-Rural	
	OR (95% CI)	p-value	OR (95% CI)	p-value	OR (95% CI)	p-value	OR (95% CI)	p-value
Age groups								
35-44	Ref		Ref		Ref		Ref	
45-54	1.58 (1.07, 2.36)	0.023	1.19 (0.85, 1.65)	0.312	1.22 (1.66, 0.9)	0.194	1.59 (1.18, 2.13)	0.002
55-64	3.57 (2.16, 5.9)	<0.001	1.50 (0.98, 2.29)	0.059	1.60 (2.3, 1.11)	0.011	1.67 (1.24, 2.27)	0.001
65-74	2.25 (1.24, 4.1)	0.008	1.50 (0.84, 2.66)	0.168	1.32 (2.04, 0.86)	0.200	1.75 (1.19, 2.57)	0.004
75+	2.54 (1.17, 5.5)	0.018	1.89 (1.01, 3.51)	0.045	1.45 (2.45, 0.85)	0.171	1.14 (0.65, 2.01)	0.645
Sex								
Female	0.82 (0.49, 1.38)	0.461	1.29 (0.9, 1.85)	0.173	0.76 (1.11, 0.52)	0.15	0.8 (0.63, 1.03)	0.087
Male	Ref		Ref		Ref		Ref	
Marital status								
Not married	Ref				Ref			
Married	0.8 (0.52, 1.24)	0.322	1.07 (0.7, 1.62)	0.759	1.01 (1.38, 0.74)	0.962	1.39 (1.01, 1.92)	0.043
Educational level								
No education	Ref		Ref		Ref		Ref	
Primary	1.44 (0.96, 2.14)	0.076	1 (0.69, 1.45)	0.992	1.26 (1.64, 0.97)	0.086	1.30 (1.00, 1.69)	0.048
Secondary	1.46 (0.94, 2.27)	0.089	1.35 (0.89, 2.03)	0.155	1.22 (1.72, 0.86)	0.272	1.15 (0.83, 1.59)	0.394
Higher	1.9 (1.13, 3.19)	0.015	1.19 (0.74, 1.93)	0.465	1.85 (2.94, 1.16)	0.009	1.15 (0.74, 1.81)	0.532
Geographic region								
Barisal	0.93 (0.58, 1.49)	0.76	0.99 (0.54, 1.83)	0.982	1.63 (2.45, 1.09)	0.018	0.70 (0.46, 1.06)	0.088
Chittagong	1.04 (0.69, 1.58)	0.845	0.58 (0.4, 0.84)	0.004	1.66 (2.41, 1.15)	0.007	1.04 (0.72, 1.5)	0.841
Dhaka	Ref		Ref		Ref		Ref	
Khulna	0.82 (0.52, 1.28)	0.381	0.70 (0.5, 1.00)	0.05	0.61 (0.91, 0.4)	0.017	0.57 (0.4, 0.81)	0.002
Rajshahi	0.94 (0.60, 1.48)	0.802	0.74 (0.51, 1.06)	0.095	1.28 (1.9, 0.86)	0.228	0.75 (0.51, 1.12)	0.165
Rangpur	0.77 (0.46, 1.29)	0.318	0.5 (0.33, 0.78)	0.002	1.07 (1.71, 0.67)	0.775	0.58 (0.4, 0.84)	0.005
Sylhet	1.43 (0.89, 2.31)	0.143	0.71 (0.47, 1.09)	0.115	1.22 (1.79, 0.83)	0.318	0.77 (0.5, 1.18)	0.226
Wealth index								
Poorest	Ref		Ref		Ref		Ref	

TABLE S2. Adjusted odds ratios predicting diabetes and adults age 35 and older by rural-urban and survey year in Bangladesh, BDHS 2011-2018.

Variables	2011 BDHS-Urban		2018 BDHS-Urban		2011 BDHS-Rural		2018 BDHS-Rural	
	OR (95% CI)	p-value	OR (95% CI)	p-value	OR (95% CI)	p-value	OR (95% CI)	p-value
Poorer	1.23 (0.49, 3.07)	0.653	0.87 (0.36, 2.08)	0.754	0.87 (1.27, 0.6)	0.468	0.98 (0.67, 1.42)	0.896
Middle	1.05 (0.49, 2.24)	0.900	0.67 (0.3, 1.51)	0.335	0.84 (1.2, 0.58)	0.327	1.42 (0.97, 2.08)	0.07
Richer	0.92 (0.49, 1.72)	0.787	1.74 (0.81, 3.76)	0.155	1.27 (1.85, 0.87)	0.218	1.64 (1.08, 2.47)	0.019
Richest	1.67 (0.89, 3.11)	0.108	2.54 (1.21, 5.34)	0.014	2.05 (3.05, 1.38)	<0.001	3.05 (2.03, 4.60)	<0.001
Body Mass Index								
Underweight	0.96 (0.55, 1.68)	0.884	1.24 (0.73, 2.1)	0.422	0.77 (1.07, 0.55)	0.119	0.68 (0.49, 0.94)	0.02
Normal weight	Ref		Ref		Ref		Ref	
Overweight	2.27 (1.47, 3.5)	<0.001	0.99 (0.7, 1.41)	0.971	1.32 (1.8, 0.97)	0.077	1.36 (1.06, 1.73)	0.015
Obese	2.86 (1.88, 4.34)	<0.001	1.5 (1.04, 2.16)	0.029	1.1 (1.55, 0.78)	0.581	1.36 (0.98, 1.89)	0.068
Currently working								
No	Ref		Ref		Ref		Ref	
Yes	0.91 (0.6, 1.38)	0.664	1.04 (0.73, 1.48)	0.828	0.69 (0.49, 0.99)	0.044	0.73 (0.57, 0.95)	0.02
Hypertension								
No	Ref		Ref		Ref		Ref	
Yes	1.52 (1.15, 2.02)	0.004	1.58 (1.18, 2.11)	0.002	1.50 (1.91, 1.18)	0.001	1.6 (1.29, 1.99)	<0.001