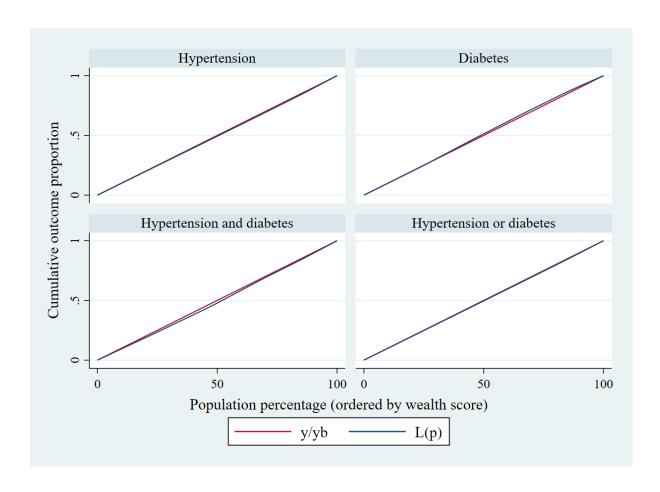
Supplement to: Malik BK, Goyal AK, Maiti S, Mohanty SK. Care cascades of diabetes and hypertension among late adolescents in India. J Glob Health. 2025;15:04101.

Supplementary Material

Table of Contents

Figure S1: Concentration curves of hypertension, diabetes, and comorbid hypertensiand or diabetes among late adolescents in India, 2019-21	
Figure S2: Concentration curves of awareness, treatment and control of diabetes am late adolescents in India, 2019-21	_
Figure S3: Concentration curves of awareness, treatment and control of hypertenermong late adolescents in India, 2019-21	
Figure S4: Average values of diastolic blood pressure, systolic blood pressure and bl glucose among late adolescents by age, 2019-21	
Figure S5: Comparison of diabetes prevalence, awareness, treatment and control am late adolescents and 20+ population in India. 2019-21	0
Figure S6: Comparison of hypertension prevalence, awareness, treatment and con among late adolescents and 20+ population in India. 2019-21	
Table S1: Blood Pressure cut-offs across various ages	5
Table S2: Sample characteristics of late adolescents in India, 2019-21 (N=204,346)	6
Table S3: Mean systolic blood pressure, diastolic blood pressure and blood glucose lamong the late adolescents in India, 2019-21	evel
Table S4: Age-sex adjusted prevalence of diabetes and/or hypertension among adolescents in India, 2019-21	
Table S5: Prevalence, awareness, treatment and control of Stage 1 and Stag hypertension among the late adolescents in India, 2019-21	
Table S6: Mean of systolic blood pressure, diastolic blood pressure and blood glucose l for self-reports and measured among the late adolescents in India, 2019-21	
Table S7: State-wise estimates of age-sex-adjusted prevalence of diabetes hypertension among late adolescents in India, 2019-21	
Table S8: Average marginal effects on the probability of diabetes among late adolesce in India, 2019-21	
Table S9: Average marginal effects on the probability of hypertension among adolescents in India, 2019-21	



Figure~S1: Concentration~curves~of~hypertension,~diabetes,~and~comorbid~hypertension~and~/or~diabetes~among~late~adolescents~in~India,~2019-21

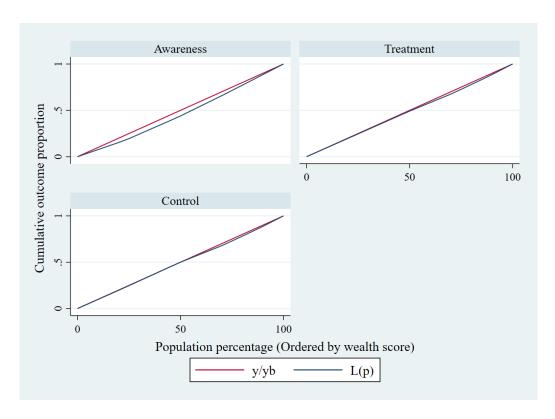


Figure S2: Concentration curves of awareness, treatment and control of diabetes among late adolescents in India, 2019-21

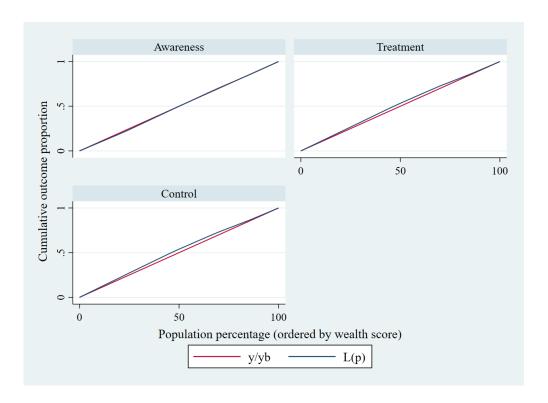
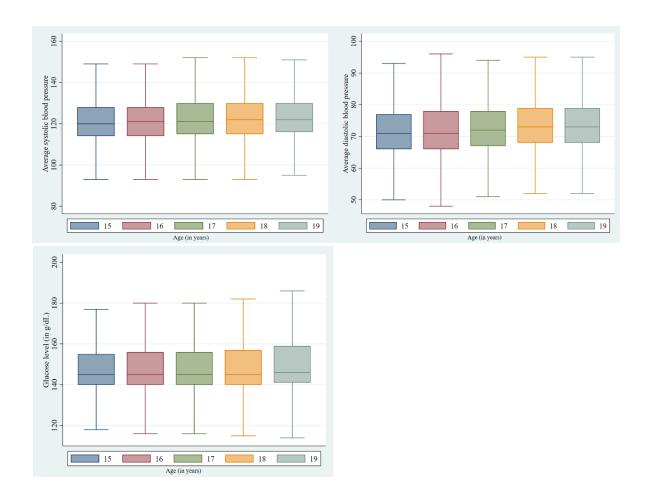


Figure S3: Concentration curves of awareness, treatment and control of hypertension among late adolescents in India, 2019-21



 $Figure \ S4: Average \ values \ of \ diastolic \ blood \ pressure, systolic \ blood \ pressure \ and \ blood \ glucose \ among \ late \ adolescents \ by \ age, \ 2019-21$

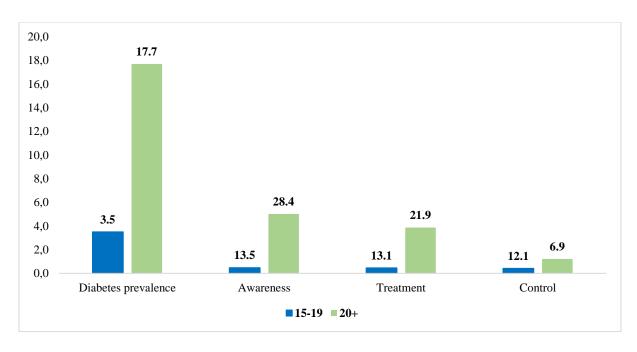


Figure S5: Comparison of diabetes prevalence, awareness, treatment and control among late adolescents and 20+ population in India. 2019-21

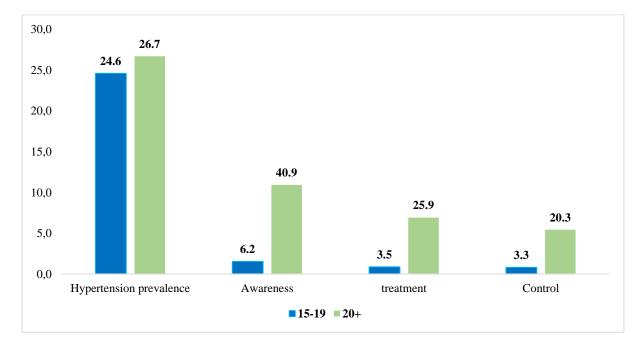


Figure S6: Comparison of hypertension prevalence, awareness, treatment and control among late adolescents and 20+ population in India. 2019-21

Table S1: Blood Pressure cut-offs across various ages

	For children 13 years to 19 years	For adults 18+
Normal BP	Systolic BP < 120 and diastolic	Systolic BP < 120 and
	BP < 80 mmHg	diastolic BP < 80 mmHg
Elevated BP	Systolic BP 120 to 129 and	Systolic BP 120 to 139 and
	diastolic BP < 80 mmHg	diastolic BP < 89 mm of Hg
Stage 1 hypertension	130/80 mmHg to 139/89 mmHg	140/90 mm of Hg to 159/99 of Hg
Stage 2 hypertension	≥ 140/90 mmHg	$\geq 160/110 \text{ mm of Hg}$
Source	i) Flynn et al. (2017)	
	ii) Pediatrics (2022)	

Table S2: Sample characteristics of late adolescents in India, 2019-21 (N=204,346)

Socio-demographic characteristics	N	0/0°a
Age		
15	41977	20.4
16	40846	19.8
17	39485	19.4
18	46150	22.7
19	35888	17.8
Household Size		
<3	24086	11.9
4-6	128777	62.5
7+	51483	25.5
Sex		
Female	108166	53.2
Male	96180	46.8
Residence		
Urban	45571	28.4
Rural	158775	71.6
Education Level		
No Education	7236	3.6
Primary	11234	5.4
Secondary	173910	84.2
Higher Secondary and above	11966	6.8
Caste		
Schedule Caste (SC)	44919	24.5
Schedule Tribe (ST)	40559	10.5
OBC	81814	45.0
Others	37054	20.0
Religion		
Hindu	158984	83.0
Muslim	21943	12.4
Christan	14353	2.2
Others	9066	2.4
Currently Married		
No	190343	92.4
Yes	14003	7.6
Wealth quintile		
Poorest	47839	21.5
Poorer	49746	22.6
Middle	43698	21.4
Richer	35657	19.1
Richest	27406	15.5
Tobacco Use		
No	195152	96.4
Yes	9194	3.6
Alcohol Consumption		
No	201189	98.9
Yes	3157	1.1
Health Insurance		
No	113074	58.0
Yes	91272	42.0

Note: Percentages are weighted, sample size is unweighted

Table S3: Mean systolic blood pressure, diastolic blood pressure and blood glucose level among the late adolescents in India, 2019-21

Socio-Demographic Characteristics	Systolic Blood Pressure mm of Hg	Diastolic Blood Pressure mm of Hg	Blood Glucose Level mg per dL
	x̄ (SE)	x̄ (SE)	x̄ (SE)
Overall	136.7 (0.1)	82.0 (0.0)	158.5 (0.6)
Age			
15	136.5 (0.3)	83.9 (0.1)	156.5 (1.3)
16	136.8 (0.3)	83.9 (0.1)	159.6 (1.4)
17	137.1 (0.3)	84.0 (0.1)	156.7 (1.1)
18	136.7 (0.2)	84.0 (0.1)	158.4 (1.4)
19	136.6 (0.2)	84.2 (0.1)	161.0 (1.7)
Household Size			
<3	136.4 (0.3)	84.1 (0.1)	157.6 (1.9)
4-6	136.8 (0.1)	84.0 (0.0)	158.7 (0.8)
7+	136.6 (0.3)	84.0 (0.1)	158.6 (1.2)
Sex			
Female	137.3 (0.3)	84.0 (0.0)	159.6 (0.9)
Male	136.5 (0.1)	84.0 (0.0)	157.4 (0.9)
Residence			
Urban	136.5 (0.2)	84.0 (0.1)	158.2 (1.1)
Rural	136.8 (0.1)	84.0 (0.0)	158.7 (0.8)
Education Level			
No Education	136.6 (0.6)	84.0 (0.2)	157.8 (2.0)
Primary	136.6 (0.5)	84.0 (0.1)	158.1 (2.2)
Secondar	136.7 (0.1)	84.0 (0.0)	158.5 (0.7)
Higher Secondary and above Caste	137.1 (0.4)	84.3 (0.1)	159.6 (2.6)
Schedule Caste	136.8 (0.3)	84.0 (0.1)	158.8 (1.4)
Schedule Tribe	136.5 (0.3)	84.0 (0.1)	157.1 (1.5)
OBC	136.9 (0.2)	84.1 (0.0)	158.3 (0.9)
Others	136.5 (0.2)	83.9 (0.1)	159.4 (1.5)
Religion		(3.2)	
Hindu	136.8 (0.1)	84.0 (0.0)	157.9 (0.7)
Muslim	136.4 (0.3)	84.0 (0.1)	160.5 (1.6)
Christan	136.5 (0.7)	83.8 (0.2)	165.0 (7.7)
Others	137.6 (0.6)	84.0 (0.1)	164.9 (4.8)
Currently Married	()	2 (3.2)	
No	136.7 (0.1)	84.0 (0.0)	158.5 (0.6)
Yes	136.8 (0.4)	84.0 (0.1)	159.4 (3.0)
Wealth quintile		2 (3.2)	
Poorest	136.8 (0.3)	84.0 (0.1)	156.9 (0.9)
Poorer	137.1 (0.3)	84.0 (0.1)	157.5 (1.1)
Middle	136.4 (0.2)	84.1 (0.1)	158.2 (1.2)
Richer	136.6 (0.3)	84.0 (0.1)	160.8 (2.1)
Richest	136.8 (0.3)	84.0 (0.1)	160.8 (2.1)
Tobacco Use	150.5 (0.5)	0.1.0 (0.1)	100.0 (1.7)
No	136.8 (0.1)	84.0 (0.0)	158.6 (0.7)
Yes	136.1 (0.4)	84.1 (0.2)	157.1 (2.7)
Alcohol Use	130.1 (0.7)	07.1 (0.2)	137.1 (2.7)
No	136.8 (0.1)	84.0 (0.0)	158.6 (0.6)
Yes	135.5 (0.5)	84.0 (0.0)	152.5 (1.9)
Health Insurance	155.5 (0.5)	04.0 (0.2)	132.3 (1.7)
No	136.7 (0.2)	84.0 (0.0)	158.1 (0.8)
Yes	136.8 (0.2)	84.0 (0.0) 84.0 (0.1)	159.2 (1.0)

Table S4: Age-sex adjusted prevalence of diabetes and/or hypertension among late adolescents in India, 2019-21

2019-21	Prevalence (N=204,346)			
Socio-Demographic	Diabetes and		Diabetes or	
Characteristics	Hypertension	(95% CI)	Hypertension	(95% CI)
	(%)		(%)	
Overall	1.06	0.99, 1.12	27.87	27.60, 28.15
Age				
15	0.72	0.62, 0.83	23.24	22.73, 23.75
16	0.91	0.78, 1.03	25.48	24.96, 26.00
17	0.87	0.74, 0.99	27.3	26.77, 27.87
18	1.3	1.15, 1.46	30.6	30.08, 31.11
19	1.51	1.33, 1.68	33	32.41, 33.62
Household Size				
<3	1.24	1.04, 1.45	28.68	27.96, 29.39
4-6	1.00	0.93, 1.07	27.57	27.26, 27.89
7+	1.18	1.02, 1.34	28.71	28.06, 29.36
Sex				
Female	0.91	0.83, 0.99	24.8	24.44, 25.11
Male	1.22	1.12, 1.32	31.3	30.95, 31.73
Residence				
Urban	1.13	0.98, 1.27	28.12	27.51, 28.74
Rural	1.03	0.96, 1.10	27.78	27.47, 28.09
Education Level				
No Education	0.86	0.57, 1.15	30.24	28.93, 31.55
Primary	0.96	0.75, 1.16	29.47	28.42, 30.52
Secondary	1.07	1.00, 1.14	27.74	27.44, 28.04
Higher Secondary and above	1.05	0.81, 1.29	27.12	26.15, 28.10
Caste				
Schedule Caste	1.03	0.90, 1.15	27.44	26.91, 27.97
Schedule Tribe	1.07	0.90, 1.24	30.26	29.58, 30.93
OBC	1.08	0.99, 1.18	26.78	26.37, 27.19
Others	1.02	0.89, 1.16	28.52	27.91, 29.14
Religion				
Hindu	1.06	0.98, 1.13	27.24	26.94, 27.55
Muslim	1.04	0.86, 1.22	28.9	28.04, 29.77
Christian	1.21	0.80, 1.61	29.91	28.73, 31.08
Others	1.08	0.78, 1.39	33.62	32.27, 34.96
Currently Married				
No	1.03	0.97, 1.10	27.91	27.62, 28.20
Yes	1.34	1.08, 1.60	27.44	26.52, 28.36
Wealth quintile				
Poorest	1.03	0.90, 1.15	27.73	27.21, 28.25
Poorer	0.95	0.83, 1.07	27.73	27.23, 28.24
Middle	1.13	0.99, 1.27	27.69	27.14, 28.23
Richer	1.08	0.93, 1.23	27.74	27.14, 28.34
Richest	1.12	0.94, 1.30	28.68	27.95, 29.40
Tobacco Use				
No	1.06	0.99, 1.13	27.86	27.58, 28.15
Yes	1.00	0.74, 1.26	28.17	27.03, 29.31
Alcohol Use				
No	1.06	0.99, 1.12	27.83	27.54, 28.11
Yes	0.88	0.49, 1.27	30.97	29.03, 32.91
Health Insurance				
No	1.03	0.95, 1.12	28.61	28.24, 28.97
Yes	1.09	0.99, 1.18	26.9	26.56, 27.34

Table S5: Prevalence, awareness, treatment and control of Stage 1 and Stage 2 hypertension among the late adolescents in India, 2019-21

Hypertension	Stage 1 (%, 95% CI)	Stage 2 (%, 95% CI)
Prevalence	24.3% (24.0, 24.6)	5.2 (5.1 - 5.4)
Awareness	6.2 (5.8, 6.5)	27.1 (25.8 - 28.4)
Treatment	3.5 (3.3, 3.7)	15.8 (14.8 - 16.8)
Control	3.3 (3.1, 3.5)	15.5 (14.6 - 16.5)

Note: CI: confidence interval

 $Table \ S6: Mean \ of \ systolic \ blood \ pressure, \ diastolic \ blood \ pressure \ and \ blood \ glucose \ level \ for \ self-reports \ and \ measured \ among \ the \ late \ adolescents \ in \ India, \ 2019-21$

Average	Only Measured (95% CI)	Only Self-reported (95% CI)
Systolic Blood pressure	122.8 (122.7, 123.0)	112.2 (111.6, 112.8)
Diastolic Blood Pressure	82.8 (82.8, 82.9)	73.2 (72.7, 73.6)
Glucose Level	160.1 (158.8, 161.4)	114.6 (110.1, 119.1)

Note: CI: confidence interval

Table S7: State-wise estimates of age-sex-adjusted prevalence of diabetes and hypertension among late adolescents in India, 2019-21

States	Diabetes % (95% CI)	Hypertension % (95% CI)	Diabetes or Hypertension % (95% CI)	Diabetes and Hypertension % (95% CI)
Jammu & Kashmir	1.8 (1.3, 2.2)	27.9 (25.4, 30.3)	28.9 (26.4, 31.4)	0.7 (0.4, 1.0)
Himachal Pradesh	2.8 (1.9, 3.7)	24.6 (21.7, 27.5)	26.6 (23.8, 29.5)	0.7 (0.3, 1.2)
Punjab	2.4 (1.9, 2.9)	29.2 (27.6, 30.8)	30.8 (29.1, 32.4)	0.8 (0.5, 1.1)
Chandigarh	1.0 (0.0, 2.5)	24.3 (16.1, 32.5)	24.9 (16.8, 32.9)	0.4 (0.0, 1.3)
Uttarakhand	2.3 (1.7, 2.8)	33.6 (31.6, 35.7)	34.9 (32.8, 36.9)	1.0 (0.6, 1.4)
Haryana	3.7 (3.1, 4.2)	29.6 (28.2, 31.1)	32.1 (30.6, 33.5)	1.2 (0.9, 1.5)
Delhi	1.8 (1.0, 2.5)	32.7 (30.6, 34.7)	33.7 (31.6, 35.7)	0.8 (0.4, 1.1)
Rajasthan	2.1 (1.8, 2.4)	27.8 (26.7, 28.8)	29.1 (28.0, 30.2)	0.7 (0.6, 0.9)
Uttar Pradesh	3.1 (2.9, 3.4)	29.4 (28.7, 30.1)	31.4 (30.8, 32.1)	1.1 (1.0, 1.2)
Bihar	4.4 (4.1, 4.8)	19.0 (18.2, 19.9)	22.4 (21.5, 23.3)	1.1 (0.9, 1.3)
Sikkim	4.7 (1.7, 7.6)	36.8 (30.2, 43.4)	38.3 (31.7, 44.8)	3.2 (0.5, 5.9)
Arunachal Pradesh	3.4 (2.7, 4.1)	36.1 (34.1, 38.1)	37.5 (35.5, 39.6)	1.9 (1.4, 2.5)
Nagaland	2.2 (1.3, 3.0)	26.7 (24.0, 29.5)	28.2 (25.4, 30.9)	0.8 (0.3, 1.2)
Manipur	3.9 (2.9, 4.8)	29.1 (26.2, 32.0)	31.8 (28.9, 34.7)	1.2 (0.7, 1.8)
Mizoram	3.1 (1.6, 4.5)	32.2 (28.3, 36.1)	34.2 (30.2, 38.2)	1.1 (0.4, 1.8)
Tripura	5.2 (3.9, 6.4)	23.4 (20.7, 26.2)	27.0 (24.1, 29.9)	1.6 (0.9, 2.3)
Meghalaya	3.6 (2.8, 4.3)	29.1 (27.0, 31.2)	31.3 (29.2, 33.4)	1.4 (0.9, 1.9)
Assam	4.3 (3.6, 5.0)	20.4 (19.0, 21.8)	23.5 (22.1, 25.0)	1.2 (0.9, 1.5)
West Bengal	5.9 (5.1, 6.7)	18.1 (16.6, 19.6)	22.7 (21.0, 24.5)	1.3 (0.9, 1.7)
Jharkhand	3.5 (3.0, 4.1)	27.6 (26.3, 28.9)	29.5 (28.1, 30.8)	1.7 (1.2, 2.1)
Odisha	3.7 (3.1, 4.2)	23.7 (22.4, 25.0)	26.4 (25.2, 27.7)	0.9 (0.7, 1.2)
Chhattisgarh	2.6 (2.2, 3.0)	30.5 (28.9, 32.0)	32.1 (30.5, 33.6)	1.0 (0.8, 1.3)
Madhya Pradesh	3.1 (2.8, 3.4)	25.4 (24.4, 26.3)	27.6 (26.6, 28.6)	0.9 (0.7, 1.1)
Gujarat	4.7 (4.0, 5.3)	18.9 (17.7, 20.0)	22.6 (21.4, 23.7)	0.9 (0.7, 1.2)
Dadra and Nagar Haveli	5.2 (2.8, 7.6)	21.4 (16.8, 25.9)	25.6 (20.7, 30.5)	0.9 (0.0, 1.9)
Maharashtra	3.0 (2.6, 3.5)	24.7 (23.3, 26.0)	26.8 (25.5, 28.2)	0.9 (0.6, 1.1)
Andhra Pradesh	4.1 (3.2, 4.9)	16.6 (14.9, 18.3)	19.8 (18.1, 21.5)	0.9 (0.5, 1.3)
Karnataka	3.4 (2.8, 4.0)	22.1 (20.5, 23.6)	24.0 (22.5, 25.6)	1.4 (0.9, 1.9)
Goa	4.4 (1.4, 7.4)	22.8 (16.1, 29.6)	26.0 (18.8, 33.1)	1.3 (0.0, 3.3)
Lakshadweep	3.2 (1.4, 5.0)	16.0 (11.2, 20.8)	18.4 (13.6, 23.2)	0.8 (0.0, 2.0)
Kerala	2.9 (2.2, 3.5)	17.6 (15.9, 19.4)	19.8 (18.1, 21.6)	0.7 (0.4, 1.0)
Tamil Nadu	4.0 (3.4, 4.6)	22.9 (21.5, 24.3)	25.1 (23.6, 26.6)	1.8 (1.4, 2.2)
Puducherry	4.0 (1.8, 6.1)	21.0 (16.4, 25.5)	24.5 (19.7, 29.2)	0.5 (0.0, 1.1)
Andaman and Nicobar	2.2 (0.4, 3.9)	24.3 (17.5, 31.0)	25.2 (18.2, 32.2)	1.2 (0.0, 2.5)
Telangana	3.4 (2.8, 4.0)	20.8 (19.4, 22.2)	23.3 (21.9, 24.6)	0.9 (0.6, 1.3)
Ladakh	4.4 (1.6, 7.2)	41.6 (33.9, 49.2)	42.7 (35.4, 50.1)	3.2 (0.6, 5.8)

Note: CI: confidence interval

Table S8: Average marginal effects on the probability of diabetes among late adolescents in India, 2019-21

SES Chamastanistics	Diabetes Prevalence	Awareness	Treatment	Control
SES Characteristics	AME (95% CI)	AME (95% CI)	AME (95% CI)	AME (95% CI)
Age	0.003*** (0.002, 0.004)	-0.005 (-0.013, 0.003)	-0.005 (-0.015, 0.004)	-0.006(-0.016,0.003)
Sex				
Female	ref	ref	ref	ref
Male	0.003** (0.000, 0.005)	-0.002 (-0.024, 0.020)	0.003 (-0.021, 0.027)	0.005(-0.018,0.028)
Education level				
No Education	ref	ref	ref	ref
Primary	-0.001 (-0.008, 0.006)	0.079** (0.019, 0.020)	0.028 (-0.025, 0.081)	0.029(-0.023,0.080)
Secondary	0.003 (-0.003, 0.009)	0.051** (0.010, 0.092)	0.054** (0.012, 0.095)	0.047** (0.006,0.087)
Higher Secondary and above	0.004 (-0.004, 0.011)	0.063** (0.005, 0.121)	0.019 (-0.034, 0.072)	0.018(-0.035,0.070)
Marital Status	, , ,		, , ,	, , ,
Unmarried	ref	ref	ref	ref
Married	0.003 (-0.002, 0.007)	0.043 (-0.003, 0.090)	-0.035(-0.072,0.002)	-0.027(-0.065,0.010)
Place of residence	,,			(,,
Urban	ref	ref	ref	ref
Rural	0.001 (-0.003, 0.004)	-0.003 (-0.035, 0.028)	-0.004(-0.041,0.033)	-0.010(-0.047,0.027)
Religion	0.001 (0.005, 0.00 1)	0.000 (0.000, 0.020)	0.00 (0.0 11,0.000)	0.010(0.017,0.027)
Hindu	ref	ref	ref	ref
Muslim	0.001 (-0.003, 0.006)	-0.016 (-0.051, 0.019)	-0.003(-0.042,0.035)	-0.010(-0.048,0.027)
Christian	-0.003 (-0.010, 0.003)	0.087 (-0.016, 0.190)	0.038(-0.046,0.123)	0.017(-0.060,0.095)
Others	-0.003 (-0.010, 0.003)	0.022(-0.049,0.093)	0.032(-0.038,0.102)	0.006(-0.058,0.071)
Caste	-0.002 (-0.008, 0.004)	0.022(-0.045,0.055)	0.032(-0.030,0.102)	0.000(-0.030,0.071)
Schedule Caste	ref	ref	ref	ref
Schedule Tribe	-0.001 (-0.005, 0.003)	0.000 (-0.045,0.046)	-0.006(-0.043,0.031)	0.001(-0.035,0.038)
Other Backward Class	0.002 (-0.001, 0.005)	-0.001(-0.030,0.028)	0.005(-0.024,0.034)	0.001(-0.035,0.038)
Others	0.002** (0.001, 0.009)	-0.036** (-0.071,-0.001)	0.007(-0.030,0.044)	0.009(-0.028,0.046)
Household Size	0.003 (0.001, 0.009)	-0.030** (-0.071,-0.001)	0.007(-0.030,0.044)	0.009(-0.028,0.040)
1-3	ref	ref	ref	ref
1-3 4-6	-0.002 (-0.006, 0.002)	-0.027(-0.063,0.009)	-0.008(-0.044,0.028)	-0.007(-0.042,0.028)
7+	0.003 (-0.002, 0.007)		. , , ,	
	0.003 (-0.002, 0.007)	-0.031(-0.074,0.012)	0.003(-0.047,0.053)	-0.001(-0.050,0.049)
Wealth quintile	£	.	£	£
Poorest	ref 0.000 (-0.004, 0.003)	ref 0.031** (0.005,0.058)	ref	ref
Poorer			0.001(-0.033,0.034)	0.009(-0.024,0.042)
Middle	-0.004 (-0.008, 0.000)	0.060*** (0.028,0.092)	-0.010(-0.047,0.028)	-0.011(-0.048,0.026)
Richer	-0.006** (-0.010, -0.002)	0.075*** (0.039,0.111)	-0.011(-0.053,0.031)	-0.012(-0.052,0.029)
Richest	-0.008** (-0.013, -0.004)	0.078** (0.033,0.122)	0.011(-0.040,0.062)	0.011(-0.039,0.061)
Tobacco Use				
No	ref	ref	ref	ref
Yes	-0.001 (-0.007, 0.004)	0.051(-0.019,0.121)	0.068(-0.003,0.140)	0.057(-0.012,0.125)
Alcohol Use	_	_	_	_
No	ref	ref	ref	ref
Yes	-0.006 (-0.016, 0.003)	-0.047(-0.128,0.033)	-0.077** (-0.141, -0.013)	-0.068** (-0.132, -0.003)
Health Insurance				
No	ref	ref	ref	ref
Yes	0.000 (-0.003, 0.002)	0.020(-0.004,0.043)	0.004(-0.020,0.028)	0.003(-0.021,0.026)

Yes 0.000 (-0.003, 0.002) 0.002 (-0.007, 0.012) Note: CI-Confidence Interval; Marginal effects in bold are significant; AME: Average Marginal Effect *** p < 0.001, ** p < 0.05, * p < 0.10

Table S9: Average marginal effects on the probability of hypertension among late adolescents in India, 2019-21

SES Characteristics	Hypertension Prevalence	Awareness	Treatment	Control
SES Characteristics	AME (95% CI)	AME (95% CI)	AME (95% CI)	AME (95% CI)
Age	0.025*** (0.023,0.027)	0.000(-0.002,0.002)	-0.003(-0.005,-0.001)	-0.003(-0.004,-0.001)
Sex				
Female	ref	ref	ref	ref
Male	0.062*** (0.057,0.067)	-0.033*** (-0.039,-0.027)	-0.016*** (-0.021,-0.011)	-0.017*** (-0.022,-0.013)
Education level				
No Education	ref	ref	ref	ref
Primary	0.000(-0.017,0.016)	0.011(-0.003,0.026)	0.003(-0.009,0.015)	0.002(-0.009,0.014)
Secondary	-0.014* (-0.028,0.000)	0.018** (0.007,0.029)	0.007(-0.002,0.016)	0.006(-0.003,0.015)
Higher Secondary and above	-0.019** (-0.036,-0.001)	0.023** (0.007,0.039)	0.004(-0.009,0.017)	0.002(-0.011,0.014)
Marital Status				
Unmarried	ref	ref	ref	ref
Married	-0.011(-0.021,-0.001)	0.077*** (0.061,0.093)	0.018** (0.007,0.029)	0.017** (0.007,0.028)
Place of residence				
Urban	ref	ref	ref	ref
Rural	-0.006(-0.014,0.002)	-0.002(-0.012,0.008)	0.003(-0.004,0.009)	0.001(-0.006,0.007)
Religion				
Hindu	ref	ref	ref	ref
Muslim	0.008(-0.002,0.018)	-0.007(-0.017,0.002)	-0.002(-0.009,0.005)	-0.001(-0.008,0.006)
Christian	-0.025** (-0.041, -0.009)	0.010(-0.014,0.034)	0.027** (0.005,0.050)	0.028** (0.006,0.051)
Others	0.044*** (0.028,0.060)	0.024** (0.005,0.043)	0.001(-0.014,0.016)	0.001(-0.014,0.016)
Caste	. , , , , , , , , , , , , , , , , , , ,		` ' '	` ' '
Schedule Caste	ref	ref	ref	ref
Schedule Tribe	0.027*** (0.017,0.037)	-0.010(-0.021,0.000)	-0.001(-0.008,0.007)	-0.002(-0.009,0.006)
Other Backward Class	-0.007(-0.014,0.000)	0.008* (0.000,0.016)	0.007** (0.001,0.012)	0.006** (0.001,0.012)
Others	0.000(-0.009,0.009)	-0.004(-0.013,0.006)	0.005(-0.003,0.012)	0.004(-0.003,0.011)
Household Size	, , ,	. , , ,	` ' '	` ' '
1-3	ref	ref	ref	ref
4-6	-0.008(-0.016,0.000)	0.000(-0.008,0.009)	0.002(-0.005,0.010)	0.001(-0.006,0.009)
7+	-0.002(-0.012,0.008)	0.002(-0.009,0.012)	-0.004(-0.013,0.005)	-0.006(-0.015,0.003)
Wealth quintile	(,,	(,,)	(,,,	***************************************
Poorest	ref	ref	ref	ref
Poorer	0.003(-0.004,0.010)	0.005(-0.004,0.014)	-0.005(-0.012,0.002)	-0.005(-0.012,0.002)
Middle	0.010** (0.002,0.018)	0.004(-0.005,0.013)	-0.009** (-0.016, -0.001)	-0.009** (-0.017, -0.002)
Richer	0.018*** (0.008,0.027)	-0.007(-0.017,0.004)	-0.011** (-0.019, -0.002)	-0.012** (-0.020, -0.003)
Richest	0.030*** (0.019,0.041)	0.003(-0.009,0.016)	-0.010** (-0.019,0.000)	-0.011** (-0.020, -0.001)
Tobacco Use	(01013,01011)	0.005(0.005,0.010)	(0.015,0.000)	0.011 (0.020, 0.001)
No	ref	ref	ref	ref
Yes	-0.003(-0.016,0.010)	0.001(-0.016,0.017)	-0.007(-0.019,0.005)	-0.007(-0.019,0.005)
Alcohol Use	2.002(0.010,0.010)	5.001(0.010,0.017)	2.007(0.012,0.000)	3.007(0.017,0.003)
No	ref	ref	ref	ref
Yes	0.026** (0.003,0.050)	0.000(-0.032,0.032)	-0.015** (-0.028, -0.002)	-0.015** (-0.027, -0.003)
Health Insurance	(0.000,0.000)	0.000(-0.032,0.032)	0.015 (-0.020, -0.002)	0.015 (-0.027, -0.005)
No	ref	ref	ref	ref
Yes	-0.009** (-0.015, -0.004)	-0.007(-0.013,0.000)	-0.001(-0.005,0.004)	-0.001(-0.006,0.003)

Note: CI- confidence interval; Marginal effects in bold are significant; AME: Average Marginal Effect *** p < 0.001, ** p < 0.05, * p < 0.10

References

- 1. Flynn JT, Kaelber DC, Baker-Smith CM, Blowey D, Carroll AE, Daniels SR, et al. Clinical Practice Guideline for screening and Management of high blood pressure in children and adolescents. Pediatrics. 2017;140(3). Available from: https://doi.org/10.1542/peds.2017-1904
- 2. Indian Academy of Pediatrics (IAP), Kumar R, Saxena V, Gupta P, Kinjawadekar U, Soans S, et al. STANDARD TREATMENT GUIDELINES 2022: Hypertension. Indian Academy of Pediatrics. 2022. https://iapindia.org/pdf/Ch-057-stg-hypertension.pdf