

Supplementary Tables

Table S1: *Age-group-wise prevalence of overweight and obesity in females by SES*

Background Variables	Age 20-29 Years	Age 30-39 Years	Age 40-49 Years	Age 50-59 Years	Age 60-69 Years	Age >=70+ Years
Place of residence	%	%	%	%	%	%
Urban	22.9	42.3	49.2	58.9	49.7	38.6
Rural	14.2	26.7	30.7	27	21.3	12.2
Wealth Index						
Poorest	7.2	13.7	16.2	26.4	19	11.8
Poor	12.1	23.0	25.4	33.5	25	12.8
Middle	17.1	31.9	35.8	37.2	28.9	19
Rich	21.0	40.8	44.9	39.3	40.1	24.8
Richest	25.8	48.0	56.5	50.5	40.3	36.4
Social Groups						
SC	15.4	29.7	33.2	27.9	23.8	10.1
ST	8.8	17.1	19.8	19.6	8.8	6.6
OBC	17.3	32.8	38.2	40.2	31.3	23.7
Others	20.6	37.8	43.4	44.9	39.6	24.4
Education in years						
No schooling	10.3	20.7	27.2	27.2	21.3	13.2
<5 years	12.8	25.9	34.6	33.4	35.2	29.3
5-9 years	16.2	33.5	43.0	51.6	51.5	37.8
10+ years	18.9	41.5	50.7	69.3	62.8	70.3
Total	16.9	32.0	36.9	36.9	29.9	20

Note- N is the weighted total sample.

Table S2: *Age-group-wise prevalence of overweight and obesity in Males by SES*

Background Variables	Age 20-29 Years	Age 30-39 Years	Age 40-49 Years	Age 50-59 Years	Age 60-69 Years	Age >=70+ Years
Place of residence	%	%	%	%	%	%
Urban	22.1	38.6	41.4	22.1	34.9	24.3
Rural	15.7	25.8	27.2	15.7	14.8	10
Wealth Index						
Poorest	8.2	13.3	13.8	8.2	13.1	9.3
Poor	12.2	21.0	20.7	12.2	16.3	13.4
Middle	16.8	29.8	30.0	16.8	20.7	15
Rich	22.7	37.8	40.9	22.7	22.2	13.8
Richest	28.0	45.7	50.8	28.0	30.3	18.1
Social Groups						
SC	17.9	26.7	27.8	17.9	13.9	8.2
ST	11.2	20.4	22.8	11.2	8.9	4.2
OBC	18.6	32.8	34.2	18.6	20.7	13.8
Others	19.1	32.4	34.7	19.1	27.8	19.7
Education in years						
No schooling	10.1	18.9	20.2	10.1	10.3	7.5
<5 years	9.3	18.6	24.6	9.3	16	13
5-9 years	14.8	26.5	29.1	14.8	21	13.2
10+ years	20.6	37.8	41.8	20.6	35.5	29.5
Total	17.8	30.1	32.0	17.8	20.1	13.7

Table S3: Concentration index values by sex

Age group	Female				Male			
	Index value	Std. error	p-value	No. of obs.	Index value	Std. error	p-value	No. of obs.
1 to 4 years	0.22	0.04	0.00	15955	0.25	0.03	0.00	17515
5 to 9 years	0.41	0.02	0.00	19040	0.36	0.02	0.00	17391
10 to 19 years	0.39	0.02	0.00	16407	0.46	0.02	0.00	15533
20 to 29 years	0.21	0.00	0.00	205031	0.22	0.01	0.00	27123

30 to 39 years	0.21	0.00	0.00	187492	0.21	0.01	0.00	248 63
40 to 49 years	0.21	0.00	0.00	160183	0.23	0.01	0.00	207 80
50 to 59 years	0.11	0.01	0.00	8443	0.18	0.01	0.00	104 45
60 to 69 years	0.15	0.01	0.00	8050	0.15	0.01	0.00	904 3
70+ years	0.23	0.02	0.00	5319	0.11	0.02	0.00	538 8

Table S4: Logistic regression on overweight and obesity in Females by SES

Background Variables	Age 20-29 Years	Age 30-39 Years	Age 40-49 Years	Age 50-59 Years	Age 60-69 Years	Age >=70+ Years
Place of residence						
Rural	1	1	1	1	1	1
Urban	1.19*** [1.15,1.22]	1.15*** [1.12, 1.18]	1.21*** [1.17, 1.24]	2.61*** [2.37,2.87]	2.51*** [2.26,2.79]	2.78*** [2.40,3.23]
Wealth Index						
Poorest	1	1	1	1	1	1
Poor	1.71*** [1.63,1.80]	1.78*** [1.71, 1.85]	1.64*** [1.57, 1.70]	1.26** [1.09,1.45]	1.22* [1.04,1.44]	1.24 [0.98,1.58]
Middle	2.47*** [2.35,2.60]	2.59*** [2.50, 2.70]	2.47*** [2.37, 2.57]	1.44*** [1.25,1.67]	1.57*** [1.34,1.84]	1.53*** [1.22,1.94]
Rich	3.16*** [3.01,3.33]	3.44*** [3.30, 3.58]	3.36*** [3.22, 3.50]	1.66*** [1.44,1.91]	1.98*** [1.69,2.32]	2.00*** [1.59,2.52]
Richest	3.99*** [3.78,4.22]	4.42*** [4.23, 4.62]	4.80*** [4.59, 5.03]	2.40*** [2.08,2.77]	2.27*** [1.92,2.68]	2.36*** [1.87,3.00]
Social Groups						
SC	1	1	1	1	1	1
ST	0.79*** [0.76,0.83]	0.72*** [0.69, 0.74]	0.78*** [0.75, 0.81]	0.58*** [0.50,0.67]	0.57*** [0.47,0.68]	0.75* [0.56,0.99]
OBC	1.01 [0.98,1.05]	0.94*** [0.91, 0.97]	0.98 [0.95, 1.01]	1.09 [0.96,1.24]	1.21* [1.05,1.39]	1.36** [1.08,1.70]
Others	1.18*** [1.14,1.23]	1.08*** [1.05, 1.12]	1.10*** [1.07, 1.14]	1.36*** [1.18,1.56]	1.35*** [1.16,1.58]	1.56*** [1.23,1.98]
Education in years						
No schooling	1	1	1	1	1	1
<5 years	1.10* [1.01,1.20]	1.14*** [1.09, 1.20]	1.19*** [1.14, 1.25]	1.28*** [1.11,1.49]	1.58*** [1.35,1.86]	1.42** [1.14,1.76]
5-9 years	1.18*** [1.12,1.24]	1.32*** [1.28, 1.36]	1.33*** [1.30, 1.37]	1.81*** [1.62,2.03]	1.95*** [1.71,2.23]	1.71*** [1.38,2.12]
10+ years	1.06* [1.01,1.11]	1.32*** [1.28, 1.36]	1.36*** [1.32, 1.41]	1.98*** [1.72,2.29]	2.65*** [2.21,3.17]	2.18*** [1.62,2.93]

Note- P <0.01***, P <0.05** and *<0.10, ® = Reference

Table S5: Logistic regression on overweight and obesity in Males by SES

Backg round Variab les	Age 0-4 years	Age 5-9 years	Age 10-19 years	Age 20-29 Years	Age 30-39 Years	Age 40-49 Years	Age 50-59 Years	Age 60-69 Years	Age >=70+ Years
Place of residence	OR [95%, C.I.]								
Rural	1	1	1	1	1	1	1	1	1
Urban	1.26* [1.05, 1.52]	1.62** * [1.44, 1.82]	1.31** * [1.15, 1.48]	1.16** * [1.08, 1.25]	1.08* [1.01, 1.16]	1.13** [1.05, 1.22]	1.16** * [1.08,1 .25]	2.22** * [1.97,2 .50]	2.38** * [2.01,2 .82]
Wealt h Index									
Poorest	1	1	1	1	1	1	1	1	1
Poor	1.85* [1.14, 3.00]	1.51 [0.99, 2.29]	1.08 [0.72, 1.62]	1.55** * [1.36, 1.77]	1.70** * [1.53, 1.89]	1.76** * [1.57, 1.97]	1.55** * [1.36, 1.77]	1.24* [1.02,1 .50]	1.35* [1.02,1 .79]

Middle	1.83* [1.15, 2.91]	2.24** * [1.53, 3.29]	1.65** [1.15, 2.37]	2.09** * [1.83, 2.38]	2.50** * [2.24, 2.78]	2.51** * [2.24, 2.82]	2.09** * [1.83, 2.38]	1.32** [1.09,1 .60]	1.43* [1.09,1 .89]
Rich	2.11** [1.34, 3.32]	2.87** * [1.98, 4.16]	2.65** * [1.88, 3.74]	2.73** * [2.39, 3.11]	3.29** * [2.94, 3.68]	3.48** * [3.09, 3.92]	2.73** * [2.39, 3.11]	1.77** * [1.47,2 .14]	2.08** * [1.59,2 .72]
Richest	2.72** * [1.74, 4.27]	5.56** * [3.85, 8.02]	5.30** * [3.78, 7.43]	3.65** * [3.17, 4.20]	4.25** * [3.76, 4.81]	5.04** * [4.42, 5.76]	3.65** * [3.17, 4.20]	2.19** * [1.82,2 .64]	2.27** * [1.73,2 .99]
Social Group s									
SC	1	1	1	1	1	1	1	1	1
ST	2.92** * [2.19, 3.89]	1.81** * [1.52, 2.16]	1.2 [0.98, 1.46]	1.02 [0.92, 1.14]	1.06 [0.97, 1.17]	1.22** * [1.10, 1.35]	1.02 [0.92, 1.14]	1.07 [0.86,1 .32]	0.85 [0.63,1 .17]
OBC	0.98 [0.72, 1.32]	0.99 [0.84, 1.17]	1.01 [0.85, 1.20]	0.99 [0.90, 1.08]	1.02 [0.94, 1.11]	1.04 [0.95, 1.14]	0.99 [0.90, 1.08]	1.22* [1.02,1 .45]	0.97 [0.75,1 .25]
Others	1.72** * [1.30, 2.27]	1.42** * [1.21, 1.66]	1.36** * [1.15, 1.61]	1.1 [0.99, 1.21]	1.10* [1.01, 1.20]	1.12* [1.02, 1.23]	1.1 [0.99, 1.21]	1.32** [1.10,1 .59]	1.21 [0.93,1 .58]
Educati on in years									
No schooli ng	NA	NA	NA	1	1	1	1	1	1
<5 years	NA	NA	NA	0.93 [0.71, 1.24]	0.98 [0.83, 1.15]	1.21** [1.05, 1.39]	0.93 [0.71, 1.24]	1.34** [1.09,1 .64]	1.46** [1.14,1 .87]
5-9 years	NA	NA	NA	1.2 [1.00, 1.45]	1.19** [1.06, 1.33]	1.27** * [1.15, 1.40]	1.2 [1.00, 1.45]	1.88** * [1.60,2 .21]	1.48** * [1.18,1 .85]
10+ years	NA	NA	NA	1.42** * [1.18, 1.70]	1.42** * [1.27, 1.59]	1.66** * [1.50, 1.84]	1.42** * [1.18, 1.70]	2.67** * [2.26,3 .15]	2.37** * [1.89,2 .97]

Note- P <0.01***, P <0.05** and *<0.10, ® = Reference

Table S6: Logistic regression of Interactions between years of schooling and wealth index for females on obesity

Schooling years and wealth	20-29 years	30-39 years	40-49 years	50-59 years	60-69 years	70+ years
	OR [95%, C.I.]	OR [95%, C.I.]	OR [95%, C.I.]	OR [95%, C.I.]	OR [95%, C.I.]	OR [95%, C.I.]
No school & poorest	1	1	1	1	1	1
No school & poorer	1.75***[1.57, 1.95]	1.97***[1.86, 2.09]	1.71***[1.63, 1.80]	0.92[0.79,1.07]	0.9[0.77,1.04]	0.97[0.81,1.17]
No school & middle	2.63***[2.33, 2.97]	2.92***[2.74, 3.10]	2.69***[2.56, 2.83]	1[0.86,1.17]	0.92[0.79,1.08]	0.97[0.81,1.17]
No school & richer	4.07***[3.55, 4.67]	4.48***[4.17, 4.81]	3.86***[3.66, 4.08]	0.93[0.79,1.09]	0.95[0.81,1.12]	0.94[0.77,1.13]
No school & richest	4.98***[4.09, 6.07]	6.03***[5.44, 6.68]	6.09***[5.68, 6.53]	1.04[0.87,1.22]	0.98[0.82,1.16]	0.83[0.67,1.02]
<5 years & poorest	0.98[0.83, 1.16]	1.22***[1.10, 1.35]	1.12[1.00, 1.25]	1.01[0.75,1.36]	1.03[0.75,1.41]	0.8[0.51,1.28]
<5 years & poorer	2.03***[1.75, 2.36]	2.10***[1.92, 2.30]	2.08***[1.91, 2.26]	1.15[0.87,1.53]	1.21[0.90,1.65]	0.79[0.53,1.20]
<5 years & middle	2.98***[2.51, 3.52]	3.51***[3.20, 3.86]	3.17***[2.93, 3.45]	0.98[0.73,1.32]	0.95[0.71,1.27]	0.93[0.62,1.40]
<5 years & richer	4.42***[3.61, 5.41]	4.77***[4.26, 5.35]	4.75***[4.35, 5.20]	1.01[0.75,1.36]	1.09[0.79,1.51]	0.87[0.59,1.29]
<5 years & richest	7.10***[5.17, 9.77]	6.26***[5.15, 7.60]	7.24***[6.31, 8.31]	1.43*[1.05,1.95]	1.24[0.88,1.75]	1.07[0.73,1.57]
5 9years & poorest	1.14**[1.03, 1.25]	1.43***[1.34, 1.53]	1.42***[1.30, 1.54]	1.03[0.80,1.32]	1.17[0.86,1.59]	0.91[0.56,1.46]
5 9years & poorer	2.07***[1.90, 2.26]	2.49***[2.35, 2.63]	2.22***[2.09, 2.36]	1.37**[1.10,1.71]	1.44**[1.10,1.88]	1.03[0.67,1.58]
5 9years & middle	3.31***[3.03, 3.61]	3.89***[3.69, 4.10]	3.53***[3.34, 3.73]	1.4**[1.12,1.74]	1.17[0.91,1.50]	1.02[0.69,1.51]
5 9years & richer	4.35***[3.98, 4.76]	5.46***[5.17, 5.76]	5.13***[4.87, 5.41]	1.4**[1.14,1.73]	1.41**[1.10,1.82]	1.08[0.73,1.59]
5 9years & richest	5.69***[5.14, 6.30]	7.55***[7.10, 8.04]	8.16***[7.71, 8.64]	1.78***[1.43, 2.20]	1.49**[1.16,1.91]	0.97[0.65,1.44]
10+more & poorest	1.18**[1.05, 1.31]	1.72***[1.52, 1.94]	1.57***[1.30, 1.89]	1.56[0.99,2.47]	1.84*[1.03,3.30]	0.71[0.22,2.24]
10+more & poorer	1.95***[1.79, 2.13]	2.82***[2.62, 3.03]	2.65***[2.41, 2.91]	1.94***[1.36, 2.77]	1.67*[1.07,2.61]	1.26[0.56,2.80]
10+more & middle	2.80***[2.57, 3.04]	3.92***[3.69, 4.15]	3.95***[3.68, 4.23]	1.45*[1.08,1.94]	1.83***[1.28, 2.62]	1.32[0.67,2.60]
10+more & richer	3.79***[3.50, 4.11]	5.23***[4.96, 5.51]	5.32***[5.02, 5.62]	1.88***[1.46, 2.42]	2.04***[1.47, 2.85]	1.85*[1.10, 3.11]
10+more & richest	5.22***[4.83, 5.66]	7.37***[7.01, 7.74]	8.03***[7.65, 8.42]	2.1***[1.69,2.60]	2.24***[1.70, 2.94]	1.38[0.90,2.12]

Note- P <0.01***, P <0.05** and *<0.10, ® = Reference

Table S7: *State-wise estimates of standard-deviation*

	Male	Female
Andhra Pradesh (28)	0.76	1.93
Arunachal Pradesh (12)	5.94	4.02
Assam (18)	5.95	4.15
Bihar (10)	0.72	0.4
Chhattisgarh (22)	0.76	0.96
Goa (30)	3.5	2.87
Gujarat (24)	2	1.45
Haryana (6)	1.83	0.98
Himachal Pradesh (2)	3.61	1.8
Jammu and Kashmir (1)	6.09	6.02
Jharkhand (20)	0.39	0.57
Karnataka (29)	0.52	0.96
Kerala (32)	1.9	1.48
Madhya Pradesh (23)	0.53	0.19
Maharashtra (27)	3.44	4.47
Manipur (14)	7.07	4.86
Meghalaya (17)	2.18	3.36
Mizoram (15)	7.39	3.42
Nagaland (13)	10.78	6.87
NCT of Delhi (7)	1.73	2.22
Odisha (21)	2.08	0.32
Punjab (3)	2.74	5.23
Rajasthan (8)	1.83	0.87
Sikkim (11)	5.89	4.76
Tamil Nadu (33)	2.2	3.52
Telangana (99)	1.1	1.84
Tripura (16)	5.28	6.5
Uttar Pradesh (9)	1.21	0.86
Uttarakhand (5)	3.66	2.14
West Bengal (19)	1.7	1.64
Total	1.62	1.53