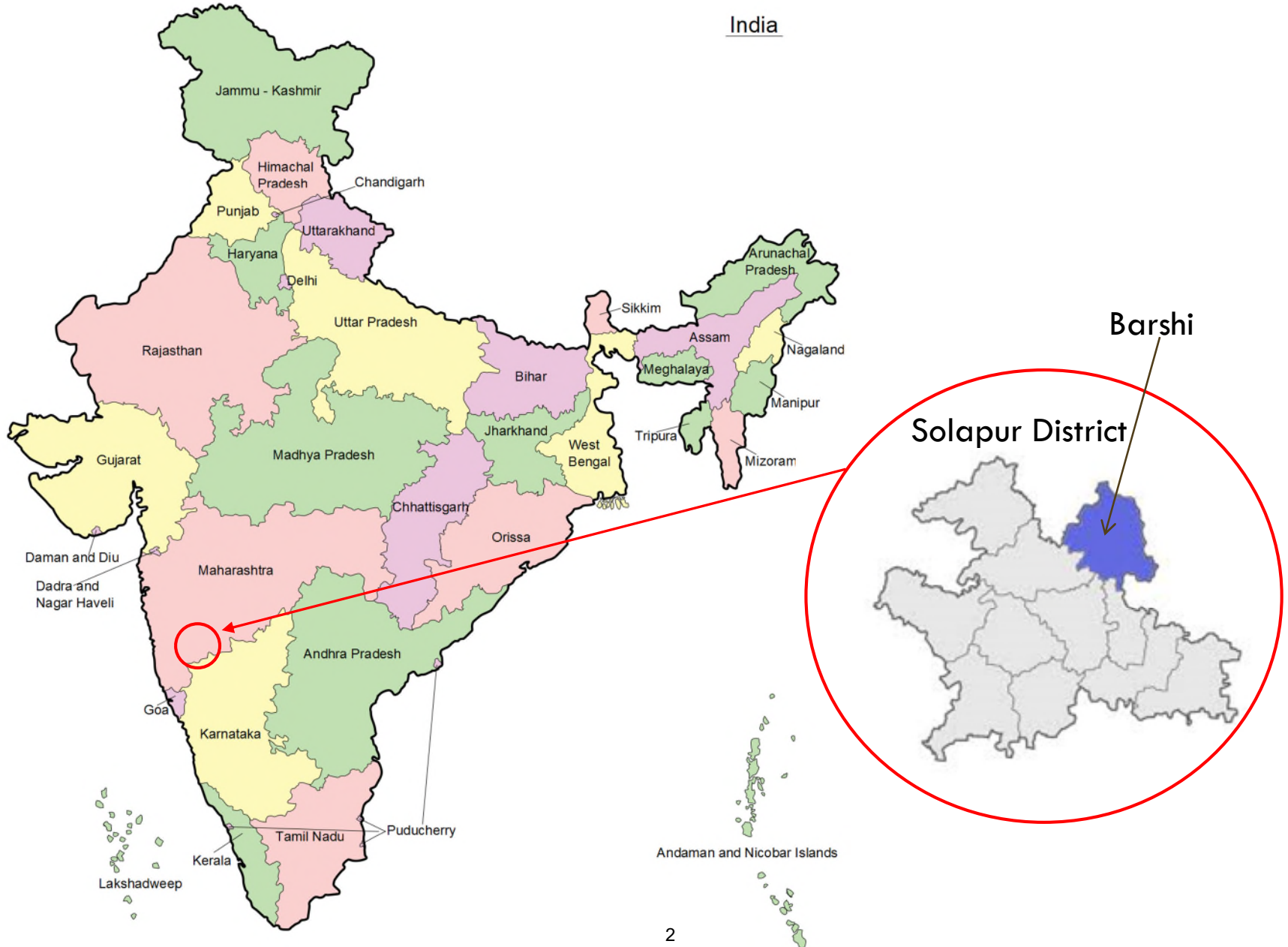


Prevalence, diagnosis, treatment and control of hypertension among adults in rural India: results from the Indian Study of Healthy Ageing (Barshi)

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Supplementary Figure S1. Map showing locations of Solapur District and Barshi



Supplementary Table S1. Prevalence, diagnosis, treatment and control of hypertension, by selected characteristics (unadjusted)^a

Characteristic	Number of participants	Prevalence of hypertension, %	Proportion of hypertension diagnosed, %	Proportion of diagnosed hypertension treated, %	Controlled hypertension, %		
					Among treated	Among all hypertension	
Sex							
Men	17 954	30	13	72	42	4.1	
Women	20 476	32	22	73	37	5.8	
Age (years)							
30-39	12 541	17	9.4	48	46	2.1	
40-49	10 076	29	14	62	50	4.2	
50-59	8 773	39	20	77	38	5.9	
60-69	7 040	49	25	81	34	6.8	
Educational level							
Less than primary school	14 105	35	19	72	36	4.8	
Primary/middle school	14 179	29	18	73	40	5.2	
More than middle school	10 146	29	17	73	42	5.2	
Prior CVD							
No	37 899	31	17	72	39	4.7	
Yes	531	57	56	82	42	19	
Season of data collection^b							
Spring	3 260	22	18	76	35	4.8	
Summer	3 210	24	19	66	48	5.9	
Autumn	5 419	32	16	69	41	4.5	
Winter	26 541	33	18	74	38	5.1	
Overall	38 430	31	18	73	39	5.0^c	

Data are presented as unstandardised proportions. CVD = cardiovascular disease, defined as self-reported diagnosis of heart disease or stroke.

^aHypertension: measured systolic blood pressure (BP) \geq 140 mmHg, diastolic BP \geq 90 mmHg or self-reported hypertension. ^bSpring = March to May; summer = June to August; autumn = September to November; winter = December to February. ^cIn addition 1.4% were diagnosed with hypertension but systolic BP measured < 140 mmHg and diastolic BP < 90 mmHg without treatment.

Supplementary Table S2. Prevalence, diagnosis, treatment and control of hypertension, by selected characteristics (using 2017 American Heart Association definition^a)

Characteristic	Number of participants	Prevalence of hypertension, %	Proportion of hypertension diagnosed, %	Proportion of diagnosed hypertension treated, %	Controlled hypertension, %	
					Among treated	Among all hypertension
Sex						
Men	17 954	64 (63-65)	6.3 (5.9-6.8)	71 (68-75)	12.1 (9.3-14.9)	0.6 (0.4-0.7)
Women	20 476	66 (65-66)	10.5 (10.0-11.1)	73 (71-75)	10.2 (8.4-12.1)	0.8 (0.6-0.9)
Age (years)						
30-39	12 541	53 (52-54)	3.1 (2.6-3.5)	47 (40-54)	14.9 (8.0-21.8)	0.2 (0.1-0.4)
40-49	10 076	66 (65-67)	6.0 (5.4-6.6)	62 (57-67)	15.0 (10.5-19.4)	0.6 (0.4-0.7)
50-59	8773	72 (71-73)	10.8 (10.1-11.6)	77 (73-80)	10.6 (7.9-13.2)	0.9 (0.6-1.1)
60-69	7040	76 (75-77)	16.1 (15.1-17.1)	81 (78-83)	9.0 (6.9-11.2)	1.2 (0.9-1.5)
Educational level						
Less than primary school	14 105	63 (62-64)	7.1 (6.6-7.6)	69 (65-73)	11.8 (8.3-15.4)	0.5 (0.4-0.7)
Primary/middle school	14 179	64 (64-65)	9.1 (8.5-9.8)	73 (70-77)	11.7 (8.9-14.5)	0.8 (0.6-1.0)
More than middle school	10 146	68 (67-69)	12.9 (11.3-14.4)	81 (76-85)	11.1 (6.4-15.7)	1.2 (0.6-1.7)
Prior CVD						
No	37 899	64 (64-65)	6.3 (5.9-6.8)	72 (70-74)	10.4 (8.8-12.0)	0.6 (0.5-0.7)
Yes	531	71 (66-76)	37.0 (31.6-42.4)	80 (73-86)	16.6 (9.5-23.6)	5.0 (2.6-7.5)
Season of data collection^b						
Spring	3260	54 (52-55)	7.9 (6.6-9.2)	76 (69-83)	11.3 (4.9-17.6)	0.7 (0.3-1.1)
Summer	3210	62 (60-64)	9.3 (7.8-10.8)	68 (60-76)	18.7 (10.6-26.9)	1.1 (0.6-1.7)
Autumn	5419	67 (66-68)	7.3 (6.5-8.2)	68 (63-74)	13.5 (8.7-18.3)	0.7 (0.4-1.0)
Winter	26 541	66 (65-66)	8.9 (8.5-9.3)	73 (71-76)	10.0 (8.3-11.7)	0.7 (0.5-0.8)
Overall	38 430	65 (64-65)	8.6 (8.2-8.9)	73 (71-74)	11.0 (9.4-12.5)	0.7 (0.6-0.8)^c

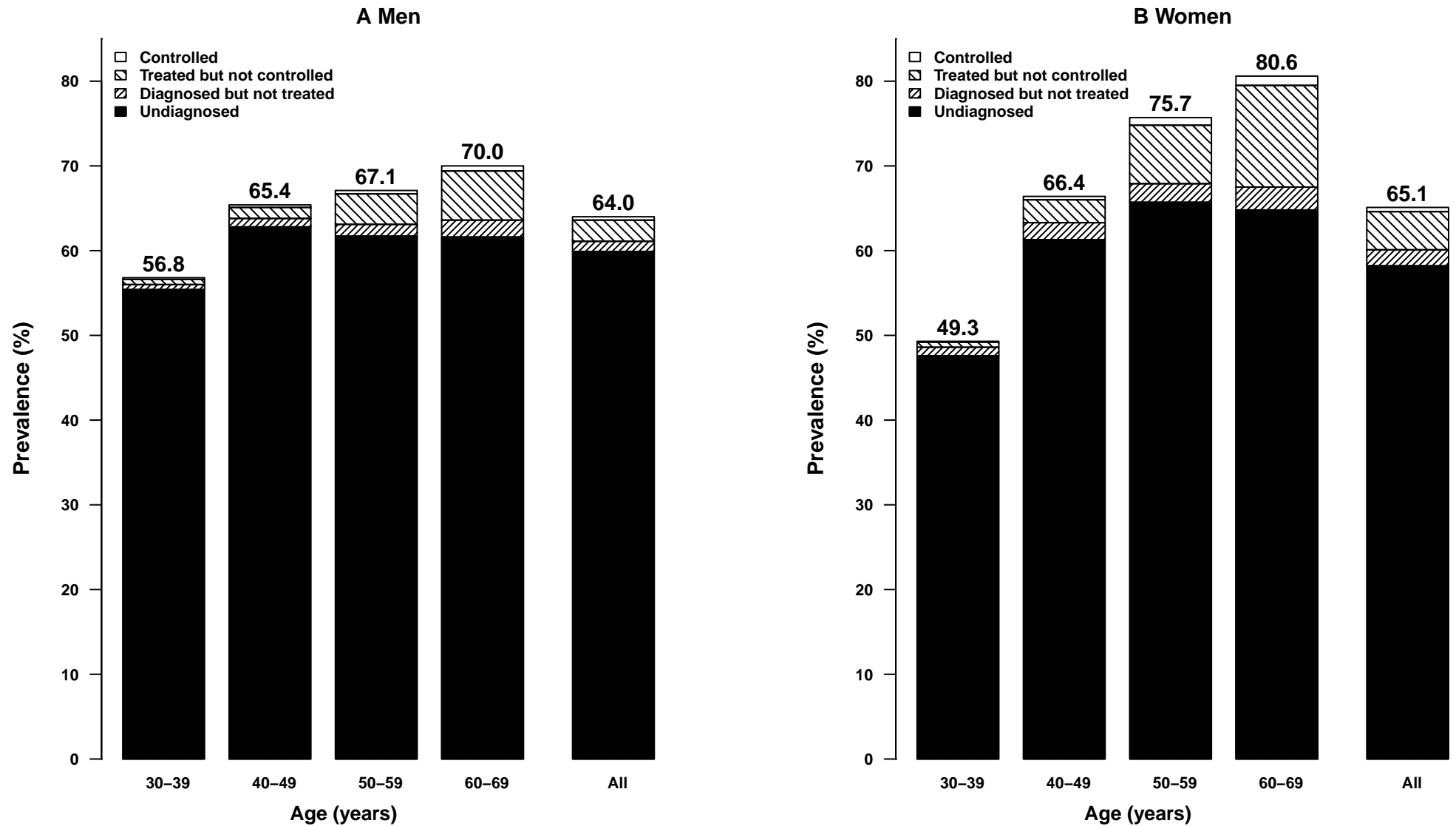
Data are presented as proportions with 95% confidence intervals in brackets. CVD = cardiovascular disease, defined as self-reported diagnosis of heart disease or stroke. ^aHypertension: measured systolic blood pressure (BP) \geq 130 mmHg, diastolic BP \geq 80 mmHg or self-reported hypertension. Proportions are standardised for age and sex where appropriate. ^bSpring = March to May; summer = June to August; autumn = September to November; winter = December to February. ^cIn addition 0.2% were diagnosed with hypertension but systolic BP measured < 130 mmHg and diastolic BP < 80 mm Hg without treatment.

Supplementary Table S3. Prevalence, diagnosis, treatment and control of hypertension, by age and sex (using 2017 American Heart Association definition)^a

Population	Prevalence of hypertension		Proportion of hypertension diagnosed		Proportion of diagnosed hypertension treated		Controlled hypertension				
	Number of participants	Prevalence, %	Number of participants	Proportion, %	Number of participants	Proportion, %	Among treated		Among all hypertension		
							Number of participants	Proportion, %	Number of participants	Proportion, %	
Men											
30-39 (years)	5679	3224	57	80	2.5	44	55	11	25	11	0.3
40-49 (years)	4486	2933	65	118	4.0	74	63	13	18	13	0.4
50-59 (years)	4080	2736	67	220	8.0	165	75	16	10	16	0.6
60-69 (years)	3709	2596	70	310	12	238	77	24	10	24	0.9
All	17 954	11 489	64	728	6.3	521	72	64	12	64	0.6^b
Women											
30-39 (years)	6862	3380	49	120	3.6	51	43	5	10	5	0.1
40-49 (years)	5590	3714	66	286	7.7	176	62	24	14	24	0.6
50-59 (years)	4693	3553	76	471	13	364	77	40	11	40	1.1
60-69 (years)	3331	2685	81	527	20	437	83	37	8.5	37	1.4
All	20 476	13 332	65	1404	11	1028	73	106	10	106	0.8^b

^aHypertension: measured systolic blood pressure (BP) \geq 130 mmHg, diastolic BP \geq 80 mmHg or self-reported hypertension. ^bIn addition 22 (0.1%) men and 36 (0.3%) women were diagnosed with hypertension but systolic BP measured $<$ 130 mmHg and diastolic BP $<$ 80 mmHg without treatment.

Supplementary Figure S2. Prevalence, diagnosis, treatment and control of hypertension, by age and sex (using 2017 American Heart Association definition)



Hypertension: measured systolic blood pressure (BP) ≥ 130 mmHg, diastolic BP ≥ 80 mmHg or self-reported hypertension. Diagnosed hypertension: self-reported diagnosis of hypertension among those with hypertension. Treated hypertension: self-reported use of antihypertensive medication among those with diagnosed hypertension. Controlled hypertension: measured systolic BP <130 mmHg and measured diastolic BP <80 mmHg among those with treated hypertension. Numbers above the bars indicate the cumulative total prevalence of undiagnosed, diagnosed but not treated, treated but not controlled, and controlled hypertension.