

Supplementary Table S1. Prevalence of hypertension in the study population

	Population			HIV-infected			HIV-uninfected			Unknown HIV-status ¹		
	2004	2010	P-value	2004	2010	P-value	2004	2010	P-value	2004	2010	P-value
<i>Women</i>	1,557	1,825		335	706		580	778		634	341	
Hypertension (%)²	24.1 (22.0 – 26.3)	24.1 (22.1 – 26.1)	0.979	21.1 (16.8 – 25.5)	19.3 (16.4 – 22.2)	0.480	26.2 (22.6 – 29.8)	27.6 (24.5 – 30.8)	0.558	24.0 (20.7 – 27.3)	26.1 (21.4 – 30.8)	0.472
Stage 2 hypertension (%)³	8.3 (7.0 – 9.7)	9.5 (8.2 – 10.9)	0.230	7.1 (4.4 – 9.9)	7.1 (5.2 – 9.0)	0.972	10.3 (7.9 – 12.8)	11.6 (9.3 – 13.8)	0.477	7.3 (5.2 – 9.3)	10.0 (6.8 – 13.2)	0.143
<i>Men</i>	761	759		157	239		332	336		268	184	
Hypertension (%)²	26.8 (23.7 – 30.0)	25.0 (22.0 – 28.1)	0.430	22.9 (16.4 – 29.5)	19.2 (14.2 – 24.2)	0.376	27.7 (22.9 – 32.5)	26.8 (22.1 – 31.5)	0.788	28.4 (23.0 – 33.8)	29.3 (22.8 – 35.9)	0.819
Stage 2 hypertension (%)³	8.8 (6.8 – 10.8)	7.5 (5.6 – 9.4)	0.357	5.7 (2.1 – 9.4)	5.4 (2.6 – 8.3)	0.901	8.7 (5.7 – 11.8)	9.2 (6.1 – 12.3)	0.824	10.8 (7.1 – 14.5)	7.1 (3.4 – 10.8)	0.177

95% confidence intervals are shown in brackets. Means were compared with the student's t-test and proportions using a z-test.

¹ HIV status was recorded as unknown if a participant could not be linked to the Africa Centre for Population Health's HIV surveillance data, most commonly because he/she did not consent to HIV testing during past surveillance rounds.

² Hypertension was defined as systolic BP \geq 140mmHg and/or diastolic BP \geq 90mmHg.

³ Stage 2 hypertension was defined as systolic BP \geq 160mmHg and/or diastolic BP \geq 100mmHg.

Supplementary Table S2. BMI and blood pressure in 2010 among women living with HIV, by length on ART¹

	Initiated on ART after the survey		Initiated on ART before the survey			
	In 1-3 years	In 0-1 year	0-1 year ago	1-2 years ago	2-3 years ago	3-6 years ago
n	54	54	52	48	42	68
Mean BMI (kg/m ²)	27.5 (25.9 – 29.0)	27.2 (25.5 – 28.8)	25.0 (23.6 – 26.4)	26.1 (24.0 – 28.2)	25.1 (23.6 – 26.6)	25.7 (24.3-27.1)
Overweight or obese ² (%)	64.8 (52.1 – 77.6)	59.3 (46.2 – 72.4)	38.5 (25.2 – 51.7)	45.8 (31.7 – 59.9)	47.6 (32.5 – 62.7)	47.1 (35.2 – 58.9)
Obese ³ (%)	25.9 (14.2 – 37.6)	25.9 (14.2 – 37.6)	15.4 (5.6 – 25.2)	14.6 (4.6 – 24.6)	16.7 (5.4 – 27.9)	17.6 (8.6 – 26.7)
n	61	63	60	59	52	85
Mean systolic BP (mmHg)	117.5 (113.3 – 121.6)	113.0 (108.6 – 117.5)	112.1 (108.4 – 115.8)	115.5 (111.3 – 119.6)	115.3 (111.2 – 119.5)	116.1 (112.1 – 120.1)
Mean diastolic BP (mmHg)	81.6 (78.5 – 84.7)	78.0 (74.8 – 81.1)	77.6 (74.9 – 80.3)	78.3 (75.5 – 81.2)	79.6 (76.8 – 82.4)	79.5 (76.7 – 82.4)
Hypertension ⁴ (%)	23.0 (12.4 – 33.5)	17.5 (8.1 – 26.8)	13.3 (4.7 – 21.9)	15.3 (6.1 – 24.4)	19.2 (8.5 – 29.9)	21.2 (12.5 – 29.9)
Stage 2 hypertension ⁵ (%)	9.8 (2.4 – 17.3)	7.9 (1.3 – 14.6)	5.0 (0.0 – 10.5)	5.1 (0.0 – 10.7)	5.8 (0.0 – 12.1)	5.9 (0.9 – 10.9)

Abbreviations: BMI = Body Mass Index; ART = antiretroviral therapy; BP = blood pressure

¹ 95% confidence intervals are provided in brackets after the point estimate.

² Defined as a BMI ≥ 25 kg/m².

³ Obesity was defined as a BMI ≥ 30 kg/m².

⁴ Hypertension was defined as systolic BP ≥ 140 mmHg or diastolic BP ≥ 90 mmHg.

⁵ Stage 2 hypertension was defined as systolic BP ≥ 160 mmHg and/or diastolic BP ≥ 100 mmHg.

Supplementary Table S3. BMI and blood pressure in 2010 among men living with HIV, by length on ART

	Initiated on ART after the survey		Initiated on ART before the survey			
	In 1-3 years	In 0-1 year	0-1 year ago	1-2 years ago	2-3 years ago	3-6 years ago
n	11	13	16	15	10	21
Mean BMI (kg/m ²)	22.1 (19.7 – 24.5)	20.2 (19.0 – 21.5)	20.2 (19.1 – 21.2)	21.1 (19.3 – 22.8)	22.0 (20.4 – 23.7)	22.2 (20.2 – 24.2)
Overweight or obese ² (%)	18.2 (0.0 – 41.0)	0.0 (0.0 – 0.0)	0.0 (0.0 – 0.0)	6.7 (0.0 – 19.3)	10.0 (0.0 – 28.6)	19.0 (2.3 – 35.8)
Obese ³ (%)	0.0 (0.0 – 0.0)	0.0 (0.0 – 0.0)	0.0 (0.0 – 0.0)	0.0 (0.0 – 0.0)	0.0 (0.0 – 0.0)	4.8 (0.0 – 13.9)
n	13	15	25	16	14	26
Mean systolic BP (mmHg)	120.3 (110.9 – 129.8)	113.5 (106.5 – 120.5)	113.8 (108.5 – 119.0)	114.8 (107.2 – 122.3)	123.6 (116.6 – 130.7)	122.0 (117.6 – 126.5)
Mean diastolic BP (mmHg)	82.8 (76.6 – 89.0)	74.1 (69.0 – 79.3)	75.4 (70.9 – 79.9)	74.0 (68.9 – 79.1)	78.6 (73.8 – 83.3)	79.4 (75.7 – 83.1)
Hypertension ⁴ (%)	30.8 (5.7 – 55.9)	13.3 (0.0 – 30.5)	12.0 (0.0 – 24.7)	6.3 (0.0 – 18.1)	21.4 (0.0 – 42.9)	26.9 (9.9 – 44.0)
Stage 2 hypertension ⁵ (%)	7.7 (0.0 – 22.2)	0.0 (0.0 – 0.0)	4.0 (0.0 – 11.7)	6.3 (0.0 – 18.1)	0.0 (0.0 – 0.0)	0.0 (0.0 – 0.0)

Abbreviations: BMI = Body Mass Index; ART = antiretroviral therapy; BP = blood pressure

¹ 95% confidence intervals are provided in brackets after the point estimate.

² defined as a BMI ≥ 25 kg/m².

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