

Supplementary file 1: Survey weighted population profile of 2012 HSRC survey participants by sub-district in Ekurhuleni, South Africa

	Overall (N=1189) Proportion estimate (95% CI)	East (n=402) Proportion estimate (95% CI)	North (n=259) Proportion estimate (95% CI)	South (n=528) Proportion estimate (95% CI)	p-value
Mean age (years)	37.6 (36.6-38.6)	40.9 (36.7-45.1)	38.8 (36.7-40.8)	35.0 (34.2-35.8)	0.003
Gender					
Male	48.8 (47.1-50.7)	45.7 (44.9-46.6)	49.6 (43.3-56.0)	50.3 (48.4-52.3)	0.004
Female	51.2 (49.3-53.0)	54.3 (53.4-55.1)	50.4 (44.0-56.7)	49.9 (47.7-51.6)	
Race					
Black	79.1 (71.3-85.1)	77.9 (51.8-92.0)	71.2 (61.0-79.7)	83.7 (72.7-90.9)	0.167
Non-Black	20.9 (14.9-28.6)	22.1 (8.0-48.1)	28.8 (20.3-39.0)	16.3 (9.1-27.3)	
Relationship status					
Currently Married	63.6 (62.4-64.8)	61.5 (58.0-64.9)	74.3 (73.0-75.5)	59.8 (58.4-61.2)	<0.0001
Previously Married	12.1 (11.3-12.9)	15.9 (13.5-18.7)	7.4 (7.2-7.6)	12.0 (10.9-13.3)	
Not Married	24.3 (22.9-25.7)	22.6 (18.0-27.9)	18.3 (17.0-19.8)	28.2 (26.5-29.9)	
Education level					
Primary school	8.2 (7.3-9.2)	11.4 (9.4-13.8)	5.2 (4.3-6.2)	7.8 (6.4-10.0)	0.004
Secondary school	78.7 (77.1-80.3)	83.0 (81.7-84.2)	78.5 (71.9-83.9)	76.6 (75.2-77.9)	
Post-secondary	13.0 (11.3-15.0)	5.6 (3.0-10.1)	16.3 (11.6-22.5)	15.4 (12.9-18.3)	
Employment status					
Unemployed n (%)	45.9 (43.1-48.7)	53.0 (51.6-54.4)	46.3 (44.0-48.7)	41.5 (36.1-47.0)	0.0002
Unemployed, student n (%)	16.9 (15.8-18.1)	14.6 (12.6-16.9)	10.0 (9.9-10.2)	21.6 (19.7-23.6)	
Employed n (%)	37.2 (34.1-40.3)	32.4 (30.5-34.3)	43.6 (41.1-46.2)	36.9 (31.0-43.3)	
Mean age at coital debut	18.3 (18.1-18.6)	18.4 (17.6-19.3)	18.9 (18.4-19.5)	18.0 (17.9-18.1)	0.024
Mean number of lifetime partners (IQR)	4.87 (4.6-5.1)	4.2 (3.2-5.3)	4.7 (4.1-5.3)	5.3 (5.1-5.6)	0.024
Condom use					
Yes n (%)	26.4 (24.2-28.8)	24.4 (20.4-28.9)	19.4 (15.9-23.7)	31.0 (27.0-35.4)	0.003
Sometimes n (%)	21.7 (19.6-24.0)	28.5 (23.6-34.0)	13.6 (11.1-16.5)	21.7 (20.7-22.7)	
No n (%)	51.9 (19.6-24.0)	47.1 (42.8-51.8)	66.9 (60.1-73.2)	47.3 (42.8-51.8)	
Circumcised					0.048
Yes n (%)	51.5 (48.3-54.6)	54.0 (48.8-59.0)	46.5 (44.4-48.7)	52.3 (47.1-57.4)	
No n (%)	48.5 (45.4-51.7)	46.0 (41.0-51.2)	53.4 (51.3-55.6)	47.6 (42.6-52.9)	
Alcohol use (ever)					0.527
Yes n (%)	50.7 (47.5-54.2)	52.7 (46.7-57.8)	52.8 (49.1-56.5)	48.8 (41.9-55.7)	

	Overall (N=1189)	East (n=402)	North (n=259)	South (n=528)	p-value
	Proportion estimate (95% CI)	Proportion estimate (95% CI)	Proportion estimate (95% CI)	Proportion estimate (95% CI)	
No n (%)	49.3 (45.8-52.7)	47.7 (42.2-53.3)	47.2 (43.5-50.9)	51.2 (44.3-58.1)	
Drug use (past 3 months)					0.001
Yes n (%)	19.3 (17.3-21.3)	12.3 (7.2-20.2)	27.4 (24.6-30.3)	19.6 (16.6-23.1)	
No n (%)	80.7 (78.7-82.7)	87.7 (79.8-92.8)	72.7 (69.7-75.4)	80.4 (76.9-83.4)	
HIV status*					0.126
Positive n (%)	16.6 (15.1-18.1)	18.9 (16.5-21.6)	13.6 (11.3-16.4)	15.8 (12.9-19.2)	
Negative n (%)	83.4 (81.9-84.9)	81.1 (78.4-83.5)	86.4 (83.6-88.7)	84.2 (80.8-87.1)	
On ART**					
Yes n (%)	28.7 (27.5-29.9)	43.3 (-)	7.0 (-)	21.6 (-)	0.001
No n (%)	71.3 (70.1-72.5)	56.7 (-)	93.0 (-)	78.4 (-)	

*Almost 50% missing HIV status; ** sub-districts confidence intervals not calculated due to small sample