

S4 Table. Demographic characteristics of HIV negative males aged 15-54 in Manicaland, prior to and during three periods of the Covid-19 pandemic survey.

	Pre-Covid-19 % (95%CI)*	During Covid-19 - Period 1 % (95%CI)	AOR† (95%CI)	p	During Covid-19 - Period 2 % (95%CI)	AOR‡ (95%CI)	p	During Covid-19 - Period 3 % (95%CI)	AOR‡ (95%CI)	p
A) Males	N=3181	N=418			N=1233			N=1122		
Age Group										
15-19	26.4 (25.0 - 27.9)	25.1 (21.2 - 29.5)	-	-	25.1 (22.7 - 27.6)	-	-	26.9 (24.4 - 29.6)	-	-
20-24	17.6 (16.4 - 18.9)	14.1 (11.1 - 17.8)	-	-	17.3 (15.3 - 19.5)	-	-	15.6 (13.6 - 17.8)	-	-
25-29	11.7 (10.7 - 12.8)	12.2 (9.39 - 15.7)	-	-	11.7 (10.0 - 13.6)	-	-	12.9 (11.1 - 15.0)	-	-
30-34	12.3 (11.1 - 13.7)	10.8 (8.13 - 14.1)	-	-	10.5 (8.95 - 12.4)	-	-	10.2 (8.52 - 12.1)	-	-
35-44	20.2 (18.7 - 21.8)	21.5 (17.8 - 25.7)	-	-	21.7 (19.4 - 24.0)	-	-	22.1 (19.8 - 24.6)	-	-
45-54	11.8 (10.6 - 13.1)	16.3 (13.0 - 20.1)	-	-	13.8 (12.0 - 15.8)	-	-	12.3 (10.5 - 14.4)	-	-
Site type										
Urban	14.5 (13.3 - 15.7)	25.6 (21.6 - 30.0)	2.07 (1.62 - 2.63)	<0.001	29.9 (27.4 - 32.5)	2.54 (2.17 - 2.97)	<0.001	8.47 (6.97 - 10.2)	0.54 (0.43 - 0.68)	<0.001
Periurban	23.1 (21.6 - 24.6)	23.2 (19.4 - 27.5)	1.00 (0.79 - 1.28)	0.97	22.0 (19.8 - 24.4)	0.94 (0.80 - 1.10)	0.45	35.8 (33.1 - 38.7)	1.86 (1.61 - 2.16)	<0.001
Estates	32.6 (30.9 - 34.3)	29.9 (25.7 - 34.5)	0.88 (0.70 - 1.10)	0.27	28.4 (25.9 - 31.0)	0.82 (0.71 - 0.95)	0.01	19.1 (16.9 - 21.5)	0.49 (0.41 - 0.58)	<0.001
Rural	29.9 (28.3 - 31.5)	21.3 (17.6 - 25.5)	0.63 (0.49 - 0.81)	<0.001	19.7 (17.6 - 22.0)	0.57 (0.49 - 0.67)	<0.001	36.6 (33.9 - 39.5)	1.35 (1.17 - 1.56)	<0.001
Marital Status										
Never Married	43.7 (42.0 - 45.5)	39.2 (34.7 - 44.0)	0.87 (0.61 - 1.25)	0.47	43.8 (41.0 - 46.6)	1.15 (0.91 - 1.44)	0.23	44.3 (41.4 - 47.2)	1.10 (0.87 - 1.39)	0.43
Married/cohabiting	52.5 (50.8 - 54.3)	57.2 (52.4 - 61.9)	1.14 (0.82 - 1.57)	0.44	52.3 (49.5 - 55.1)	0.88 (0.71 - 1.08)	0.21	53.2 (50.3 - 56.1)	1.02 (0.82 - 1.26)	0.88
Divorced/separated	3.51 (2.88 - 4.28)	2.87 (1.63 - 4.99)	0.81 (0.43 - 1.49)	0.49	3.41 (2.53 - 4.58)	0.99 (0.67 - 1.45)	0.95	2.41 (1.65 - 3.49)	0.74 (0.48 - 1.15)	0.18
Widowed	0.23 (0.10 - 0.51)	0.72 (0.23 - 2.21)	2.64 (0.64 - 10.81)	0.18	0.49 (0.22 - 1.08)	1.95 (0.61 - 6.24)	0.26	0.09 (0.01 - 0.63)	0.32 (0.04 - 2.68)	0.29
Household Wealth Index										
Poorest	9.81 (8.79 - 10.9)	11.0 (8.34 - 14.4)	1.47 (1.03 - 2.08)	0.03	6.17 (4.96 - 7.66)	0.80 (0.61 - 1.05)	0.11	2.94 (2.10 - 4.11)	0.21 (0.15 - 0.31)	<0.001
2nd Poorest	46.5 (44.8 - 48.3)	46.7 (41.9 - 51.5)	1.31 (1.05 - 1.65)	0.02	38.0 (35.3 - 40.8)	0.93 (0.80 - 1.08)	0.34	44.9 (42.0 - 47.8)	0.94 (0.81 - 1.09)	0.42
3rd Poorest	22.3 (20.8 - 23.8)	34.0 (29.6 - 38.7)	1.66 (1.33 - 2.08)	<0.001	30.2 (27.7 - 32.8)	1.36 (1.17 - 1.58)	<0.001	26.6 (24.1 - 29.3)	1.37 (1.17 - 1.61)	<0.001
4th Poorest	20.1 (18.8 - 21.6)	8.37 (6.07 - 11.4)	0.22 (0.15 - 0.31)	<0.001	24.5 (22.1 - 26.9)	0.82 (0.69 - 0.98)	0.03	24.9 (22.4 - 27.5)	1.45 (1.21 - 1.74)	<0.001
Least Poor	1.25 (0.91 - 1.70)	0	-	-	1.14 (0.67 - 1.91)	0.80 (0.43 - 1.50)	0.49	0.62 (0.30 - 1.30)	0.41 (0.18 - 0.93)	0.03
Highest Level of Education Achieved†										
None/Primary	10.4 (9.31 - 11.5)	16.5 (13.2 - 20.4)	1.90 (1.42 - 2.54)	<0.001	15.2 (13.3 - 17.4)	1.78 (1.46 - 2.17)	<0.001	14.3 (12.3 - 16.4)	1.49 (1.21 - 1.84)	<0.001
Secondary/Higher	89.6 (88.5 - 90.7)	83.5 (79.6 - 86.8)	0.53 (0.39 - 0.70)	<0.001	84.8 (82.6 - 86.7)	0.56 (0.46 - 0.69)	<0.001	85.7 (83.6 - 87.7)	0.67 (0.54 - 0.83)	<0.001
Employment										
Professional or managerial	4.03 (3.35 - 4.85)	4.31 (2.73 - 6.74)	0.93 (0.55 - 1.56)	0.78	6.41 (5.17 - 7.92)	1.52 (1.11 - 2.07)	0.01	6.95 (5.60 - 8.60)	1.67 (1.22 - 2.29)	0.001
Self-employed: small business	1.17 (0.83 - 1.63)	0.48 (0.12 - 1.90)	0.34 (0.08 - 1.42)	0.14	1.14 (0.67 - 1.91)	0.86 (0.45 - 1.64)	0.64	1.87 (1.22 - 2.85)	1.27 (0.73 - 2.21)	0.40
Skilled labour	7.40 (6.48 - 8.43)	9.33 (6.88 - 12.5)	1.30 (0.89 - 1.88)	0.17	15.1 (13.2 - 17.2)	2.36 (1.88 - 2.95)	<0.001	15.3 (13.3 - 17.6)	3.09 (2.45 - 3.90)	<0.001
Manual / unskilled labour	18.8 (17.5 - 20.3)	8.37 (6.07 - 11.4)	0.36 (0.24 - 0.53)	<0.001	16.8 (14.8 - 19.0)	0.99 (0.80 - 1.21)	0.89	16.8 (14.7 - 19.1)	1.39 (1.12 - 1.72)	0.003
Informal employment	15.0 (13.7 - 16.3)	21.5 (17.8 - 25.7)	1.46 (1.11 - 1.92)	0.01	12.0 (10.3 - 13.9)	0.68 (0.55 - 0.84)	<0.001	13.5 (11.7 - 15.7)	0.74 (0.60 - 0.92)	0.01
Student	22.2 (20.8 - 23.6)	17.5 (14.1 - 21.4)	0.62 (0.42 - 0.90)	0.01	18.5 (16.4 - 20.8)	0.67 (0.53 - 0.85)	0.001	22.2 (19.9 - 24.7)	0.96 (0.76 - 1.23)	0.77
Unemployed	24.8 (23.3 - 26.4)	38.5 (34.0 - 43.3)	2.21 (1.76 - 2.78)	<0.001	30.1 (27.6 - 32.7)	1.42 (1.21 - 1.66)	<0.001	23.4 (21.0 - 25.9)	0.79 (0.67 - 0.93)	0.01
Other: unspecified‡	6.61 (5.76 - 7.57)	-	-	-	-	-	-	-	-	-
Currently Enrolled in Education	24.3 (22.9 - 25.7)	16.5 (13.2 - 20.4)	0.44 (0.31 - 0.64)	0.000	17.44 (15.42 - 19.66)	0.48 (0.38 - 0.60)	0.000	21.1 (18.8 - 23.6)	0.70 (0.55 - 0.88)	0.002
Alcohol/Drugs										
Drank Alcohol in the past year	26.9 (25.3 - 28.5)	27.3 (23.2 - 31.8)	1.02 (0.80 - 1.30)	0.89	23.5 (21.2 - 26.0)	0.84 (0.71 - 1.00)	0.05	17.6 (15.4 - 19.9)	0.54 (0.45 - 0.65)	<0.001
Visited Bar, beerhall or shebeen in past month	31.0 (29.3 - 32.7)	19.9 (16.3 - 24.0)	0.55 (0.43 - 0.72)	<0.001	18.0 (16.0 - 20.3)	0.51 (0.43 - 0.60)	<0.001	14.6 (12.7 - 16.8)	0.35 (0.29 - 0.42)	<0.001
Using drugs for pleasure	4.78 (4.08 - 5.61)	4.07 (2.54 - 6.45)	0.85 (0.50 - 1.42)	0.53	2.84 (2.04 - 3.93)	0.58 (0.39 - 0.84)	0.005	2.58 (1.80 - 3.70)	0.53 (0.35 - 0.79)	0.002
Males 15-19	N=986	N=105			N=309			N=302		
Currently Enrolled in Education	73.2 (70.4 - 75.9)	61.9 (52.2 - 70.8)	0.51 (0.31 - 0.84)	0.008	58.58 (52.98 - 63.96)	0.46 (0.34 - 0.64)	0.63	70.2 (64.8 - 75.1)	1.71 (0.94 - 3.10)	0.08

* In the cross-sectional analysis of the pre-covid survey, proportions are weighted to account for age bias in selection

† Odds ratios are adjusted for 5 year age group and site type. For variables limited to 15-19 year olds odds ratios are adjusted for site type only.

‡ Household wealth was estimated for each individual by assessing asset ownership within their household and attributing a score as described by Schur et al.19 Each asset variable was transformed into scores between 0 and 1. The values of each asset variable were then summed and divided by the total number of assets giving an overall score between 0 and 1. Equally spaced cut offs (0,0.2, 0.4, 0.6, 0.8) were used to categorise the overall wealth of a household into five groups.

§ Education variable inconsistently coded in during covid survey - for cohort individuals (in both analyses), education was updated based on answer pre-covid if level of education was higher in R7.

|| These individuals answered 'other' for their category of employment but then did not specify in the follow up question so they could not be recoded to any of the other categories.