

Additional file 4

Table A3: Logistic regression models of factors associated with first-time HIV testing between 2010 and 2012 among black African populations living in urban informal areas and among black African women by reported pregnancy

Model	Urban informal sample	African women pregnancy reported	African women no pregnancy
	1 aOR [95%CI]	2 aOR [95%CI]	3 aOR [95%CI]
Female	1.991** [1.007 - 3.940]	na na	na na
Age	1.071 [0.976 - 1.176]	0.972 [0.860 - 1.098]	1.062*** [1.022 - 1.103]
Age squared	0.999 [0.998 - 1.000]	1.000 [0.998 - 1.001]	0.999*** [0.999 - 0.999]
Log real pc household income	0.894 [0.539 - 1.481]	1.125 [0.849 - 1.490]	0.896 [0.786 - 1.022]
Years of education	1.096* [0.993 - 1.209]	1.078 [0.975 - 1.192]	1.091*** [1.053 - 1.130]
Currently enrolled in school	1.213 [0.468 - 3.146]	0.848 [0.237 - 3.036]	0.434*** [0.269 - 0.698]
Unemployed (base = employed)	1.095 [0.350 - 3.419]	2.304 [0.574 - 9.249]	1.091 [0.705 - 1.687]
Economically inactive (base = employed)	1.453 [0.457 - 4.621]	1.511 [0.606 - 3.769]	1.037 [0.735 - 1.465]
Married/cohabitating	0.983 [0.500 - 1.934]	1.001 [0.479 - 2.095]	1.226 [0.897 - 1.674]
Religion very important	1.539** [1.043 - 2.272]	1.359 [0.825 - 2.238]	1.138 [0.940 - 1.377]
Poor/fair health (base = good/excellent)	0.887 [0.329 - 2.389]	1.365 [0.422 - 4.418]	0.739* [0.518 - 1.055]
CESD 8 scale	0.928** [0.875 - 0.984]	0.952 [0.882 - 1.027]	1.006 [0.978 - 1.036]
Drinks alcohol	1.118 [0.649 - 1.927]	1.891 [0.716 - 4.995]	1.111 [0.690 - 1.789]
Rural (base = urban formal)	na	1.008 [0.397 - 2.559]	1.151 [0.787 - 1.683]
Urban Informal (base = urban formal)	na	1.240 [0.294 - 5.237]	1.586 [0.724 - 3.473]
Days between interview	1.000 [0.997 - 1.003]	1.001 [0.997 - 1.006]	0.999 [0.998 - 1.001]
Pregnant between waves	1.909** [1.137 - 3.204]	na na	na na
Controls for Province of residence	No [^]	Yes	Yes
Observations	419	655	2,712

Notes: *** p<0.01, ** p<0.05, * p<0.1. 95% Confidence Intervals in brackets. Each column represents a separate logistic regression. The sample of interest is described in the header. The sample for Model 2 is all women who

reported having been pregnant during the study period. The sample for Model 3 is all women who did not report having been pregnant during the study period. All samples are restricted to those individuals surveyed both in 2010/2011 and 2012 who reported never having been tested for HIV in the former survey wave. As such, these regressions assess the determinants of first-time testing by 2012 among the sample of never testers in 2010/2011.

^Province controls not included due to insufficient sample size.