Supplemental Material

[1. Directed-Acyclic Graph 2](#_Toc96096594)

[2. Study participant flow per inclusion criteria 3](#_Toc96096595)

[3. Questions from country questionnaires for outcome, exposure and effect modifier 4](#_Toc96096596)

[Table 3-1. Transactional sex 4](#_Toc96096597)

[Table 3-2. Mobility 5](#_Toc96096598)

[Table 3-3. Food insecurity 8](#_Toc96096599)

[4. Sensitivity analysis excluding those who reported selling sex (presumably excluding commercial sex work) 9](#_Toc96096600)

[Table 4-1. Adjusted odds ratios for associations with transactional sex (excluding “selling sex”) within the last 12 months among women aged 15-59 in a domestic or marital partnership in six sub-Saharan African countries, 2016-2017, Model 2 (N = 19,317) 9](#_Toc96096601)

[Table 4-2. Adjusted odds ratios for associations with “selling sex” within the last 12 months among women aged 15-59 in a domestic or marital partnership in six sub-Saharan African countries, 2016-2017, Model 2 (N = 19,317) 9](#_Toc96096602)

[5. Sensitivity analysis repeating analysis with only women whose matched partner was not an eligible respondent 10](#_Toc96096603)

[Table 5-1. Women’s partner’s individual response status prior to restricting inclusion criteria 10](#_Toc96096604)

[Table 5-2. Number women with partners who were non-defacto respondents by country 10](#_Toc96096605)

[Table 5-3. Adjusted odds ratios for transactional sex, pooled, Model 2, women with partners who were non-defacto respondents (N=748 with complete data out of 3,080) 11](#_Toc96096606)

[Table 5-4. Number and percent in each mobility category by partner’s respondent status 11](#_Toc96096607)

[6. Sub-analysis of sexual behaviors among women who reported transactional sex in the last 12 months 13](#_Toc96096608)

[Table 6. Percentage of women reporting transactional sex in the last 12 months who also reported sex with multiple partners or non-regular partners in the last 12 months, women in a domestic or marital partnership in six sub-Saharan African countries, 2016-2017 (N = 1,665) 13](#_Toc96096609)

[7. Country-level results 14](#_Toc96096610)

[Table 7-1. Sociodemographic characteristics among women aged 15-59 in a domestic or marital partnership in six sub-Saharan African countries, 2016-2017 (N = 20,616) 14](#_Toc96096611)

[Table 7-2. Odds ratios for associations with transactional sex within the last 12 months among women aged 15-59 in a domestic or marital partnership in six sub-Saharan African countries, 2016-2017 (N = 19,317) 17](#_Toc96096612)

[Table 7-3. Adjusted odds ratios for associations with transactional sex within the last 12 months among women aged 15-59 in a domestic or marital partnership in six sub-Saharan African countries, 2016-2017, Model 2 (N = 19,317) 20](#_Toc96096613)

[8. Adjusted stratified pooled model results 23](#_Toc96096614)

[Table 8. Adjusted odds ratios for associations with transactional sex in the last 12 months among women aged 15-59 in a domestic or marital partnership in six sub-Saharan African countries, stratified by food insecurity, 2016-2017 (N = 19,317) 23](#_Toc96096615)

[9. Sub-group analysis: adjusted pooled model results among 15-24-year-old women 24](#_Toc96096616)

[Table 9. Adjusted odds ratios for associations with transactional sex within the last 12 months among women aged 15-24 in a domestic or marital partnership in six sub-Saharan African countries, 2016-2017, Models 1 – 3 (N = 4,567) 24](#_Toc96096617)

## Directed-Acyclic Graph









## Study participant flow per inclusion criteria

## Questions from country questionnaires for outcome, exposure and effect modifier

### Table 3-1. Transactional sex

|  |
| --- |
| transaction\_all = 1 if soldsex = 1 or transaction = 1 ; transaction\_all = 0 if soldsex = 0 and transaction = 0 |
| **Variable** | **Survey Module** | **Survey Question** | **Values** | **Derived Variable** | **Derivation** |
| sellsxever | Adult questionnaire - Module 5: sexual activity | Have you ever sold sex for money? | 1 - YES2 - NO-8 - DON'T KNOW-9 - REFUSED |  |  |
| sellsx12mo | Adult questionnaire - Module 5: sexual activity | In the last 12 months, have you sold sex for money? | 1 - YES2 - NO-8 - DON'T KNOW-9 - REFUSED | soldsex | soldsex = 0 if sellsx12mo = 2 or sellsxever = 2soldsex = 1 if sellsx12mo = 1 |
| partlastsup1 | Adult questionnaire - Module 5: sexual activity | Did you enter into a sexual relationship with [PARTNER'S NAME] because [PARTNER'S NAME] provided you with or you expected that [PARTNER'S NAME] would provide you with material support or help you in other ways? | 1 - YES2 - NO-8 - DON'T KNOW-9 - REFUSED |  |  |
| partlastsup2 | Adult questionnaire - Module 5: sexual activity | Did you enter into a sexual relationship with [PARTNER'S NAME] because [PARTNER'S NAME] provided you with or you expected that [PARTNER'S NAME] would provide you with material support or help you in other ways? | 1 - YES2 - NO-8 - DON'T KNOW-9 - REFUSED |  |  |
| partlastsup3 | Adult questionnaire - Module 5: sexual activity | Did you enter into a sexual relationship with [PARTNER'S NAME] because [PARTNER'S NAME] provided you with or you expected that [PARTNER'S NAME] would provide you with material support or help you in other ways? | 1 - YES2 - NO-8 - DON'T KNOW-9 - REFUSED | transaction | transaction=0 if (partlastsup1=. or partlastsup1=2 ) & (partlastsup2=. or partlastsup2=2) & (partlastsup3=. or partlastsup3=2)transaction=1 if partlastsup1=1 or partlastsup2=1 or partlastsup3=1\*partlastsup was skipped if the respondent did not report a sexual partner, so those who did not have sex were classified as "did not have transactional sex" |

### Table 3-2. Mobility

|  |
| --- |
| couple\_away = 0 (neither mobile) if hus\_away = 0 and away = 0 |
| couple\_away = 1 (woman mobile) if hus\_away = 0 and away = 1 |
| couple\_away = 2 (partner mobile) if hus\_away = 1 and away = 0 |
| couple\_away = 3 (both mobile) if hus\_away = 1 and away = 1 |
| **Variable** | **Country** | **Survey Module** | **Survey Question** | **Values** | **Derived Variable** | **Derivation** |
| huslivew | all | Men's quesionnaire - Module 2: marriage | Is your husband or partner living with you now or is he staying elsewhere? | 1 - LIVING TOGETHER2 - STAYING ELSEWHERE-8 - DON'T KNOW-9 - REFUSE TO ANSWER |  |  |
| mont12away | Eswatini | Men's questionnaire - Module 1: respondent background | In the last 12 months, how many times have you been away from home for one or more nights? | number |  |  |
| mo12away | Eswatini | Men's questionnaire - Module 1: respondent background | In the last 12 months, have you been away from home for more than one month at a time? | 1 - YES2 - NO-8 - DON'T KNOW-9 - REFUSED | hus\_away | hus\_away=0 if country="Eswatini" & (((mont12away=0 & mo12away=.) or mo12away=2) or hhr12moaway=2)hus\_away=1 if country="Eswatini" & (mo12away=1 or hhr12moaway=1) or huslivew=2 |
| outside | Lesotho | Men's questionnaire - Module A: Migration | Have you ever lived outside Lesotho? | 1 - YES2 - NO-8 - DON'T KNOW-9 - REFUSED |  |  |
| monthout12 | Lesotho | Men's questionnaire - Module A: Migration | In the last 12 months, have you been away from home for more than one month at a time? | 1 - YES2 - NO-8 - DON'T KNOW-9 - REFUSED | hus\_away | hus\_away=1 if country="Lesotho"& monthout12=1 or huslivew=2hus\_away=0 if country="Lesotho" & (outside=2 or monthout12=2) |
| monthout12 | Namibia | Men's questionnaire - Module 11: Migration | In the last 3 years, have you been away from home for more than one month at a time? | 1 - YES2 - NO-8 - DON'T KNOW-9 - REFUSED-7 - Out of Range | hus\_away | hus\_away=1 if country="Namibia" & monthout12=1 or huslivew=2hus\_away=0 if country="Namibia" & (monthout12=.or monthout12=2) |
| awaynight12m | Tanzania | Men's questionnaire - Module 1: respondent background | In the last 12 months, how many times have you been away from home for one or more nights? | number |  |  |
| awaynight12mmonth | Tanzania | Men's questionnaire - Module 1: respondent background | In the last 12 months, have you been away from home for more than one month at a time? | 1 - YES2 - NO-8 - DON'T KNOW-9 - REFUSED | hus\_away | hus\_away=1 if country="Tanzania" & awaynight12mmonth=1 or huslivew=2hus\_away=0 if country="Tanzania" & ((awaynight12m=0 & awaynight12mmonth=.) or awaynight12mmonth=2) |
| away12mo | Uganda | Men's questionnaire - Module 1: respondent background | In the last 12 months, have you been away from home for more than one month at a time? | 1 - YES2 - NO-8 - DON'T KNOW-9 - REFUSED | hus\_away | hus\_away=1 if country="Uganda" & away12mo=1 or huslivew=2hus\_away=0 if country="Uganda" & away12mo=2 |
| awy12mont | Zambia | Men's questionnaire - Module 1: respondent background | In the last 12 months, on how many separate occasions have you been away from home for one or more nights? | number |  |  |
| awy12moms | Zambia | Men's questionnaire - Module 1: respondent background | In the last 12 months, have you been away from your home for more than one month at a time? | 1 - YES2 - NO-8 - DON'T KNOW-9 - REFUSED | hus\_away | hus\_away=1 if country="Zambia" & awy12moms=1 or huslivew=2hus\_away=0 if country="Zambia" & ((awy12mont=0 & awy12moms=.) or awy12moms=2) |
| mont12away | Eswatini | Women's questionnaire - Module 1: respondent background | In the last 12 months, how many times have you been away from home for one or more nights? | number |  |  |
| mo12away | Eswatini | Women's questionnaire - Module 1: respondent background | In the last 12 months, have you been away from home for more than one month at a time? | 1 - YES2 - NO-8 - DON'T KNOW-9 - REFUSED | away | away=0 if country="Eswatini" & (((mont12away=0 & mo12away=.) or mo12away=2) or hhr12moaway=2)away=1 if country="Eswatini" & (mo12away=1 or hhr12moaway=1) |
| outside | Lesotho | Women's questionnaire - Module A: Migration | Have you ever lived outside Lesotho? | 1 - YES2 - NO-8 - DON'T KNOW-9 - REFUSED |  |  |
| monthout12 | Lesotho | Women's questionnaire - Module A: Migration | In the last 12 months, have you been away from home for more than one month at a time? | 1 - YES2 - NO-8 - DON'T KNOW-9 - REFUSED | away | away=1 if country="Lesotho"& monthout12=1 away=0 if country="Lesotho" & (outside=2 or monthout12=2) |
| monthout12 | Namibia | Women's questionnaire - Module 11: Migration | In the last 3 years, have you been away from home for more than one month at a time? | 1 - YES2 - NO-8 - DON'T KNOW-9 - REFUSED-7 - Out of Range | away | away=1 if country="Namibia" & monthout12=1 away=0 if country="Namibia" & (monthout12=.or monthout12=2) |
| awaynight12m | Tanzania | Women's questionnaire - Module 1: respondent background | In the last 12 months, how many times have you been away from home for one or more nights? | number |  |  |
| awaynight12mmonth | Tanzania | Women's questionnaire - Module 1: respondent background | In the last 12 months, have you been away from home for more than one month at a time? | 1 - YES2 - NO-8 - DON'T KNOW-9 - REFUSED | away | away=1 if country="Tanzania" & awaynight12mmonth=1away=0 if country="Tanzania" & ((awaynight12m=0 & awaynight12mmonth=.) or awaynight12mmonth=2) |
| away12mo | Uganda | Women's questionnaire - Module 1: respondent background | In the last 12 months, have you been away from home for more than one month at a time? | 1 - YES2 - NO-8 - DON'T KNOW-9 - REFUSED | away | away=1 if country="Uganda" & away12mo=1away=0 if country="Uganda" & away12mo=2 |
| awy12mont | Zambia | Women's questionnaire - Module 1: respondent background | In the last 12 months, on how many separate occasions have you been away from home for one or more nights? | number |  |  |
| awy12moms | Zambia | Women's questionnaire - Module 1: respondent background | In the last 12 months, have you been away from your home for more than one month at a time? | 1 - YES2 - NO-8 - DON'T KNOW-9 - REFUSED | away | away=1 if country="Zambia" & awy12moms=1away=0 if country="Zambia" & ((awy12mont=0 & awy12moms=.) or awy12moms=2) |

### Table 3-3. Food insecurity

|  |
| --- |
| Food insecurity score = hungry + noeat + nofood |
| Food insecurity variable = little to none if score 0 or 1; moderate to severe if score > 1 |
| **Variable** | **Survey Module** | **Survey Question** | **Values** | **Derived Variable** | **Derivation** |
| hungry4wkfreq | Household questionnaire | How often did this happen in the past 4 weeks? | 1 - RARELY (1-2 TIMES)2 - SOMETIMES (3-10 TIMES)3 - OFTEN (MORE THAN 10 TIMES) |  |  |
| hungry4wkyn | Household questionnaire | In the past 4 weeks, did you or any household member go to sleep at night hungry because there was not enough food? | 1 - YES2 - NO3 - DON'T KNOW | hungry | if hungry4wkyn = 2 then 0if hungry4wkyn = 1 & hungry4wkfreq = 1 then 1if hungry4wkyn = 1 & hungry4wkfreq = 2 then 1if hungry4wkyn = 1 & hungry4wkfreq = 3 then 2 |
| noeat4wkfreq | Household questionnaire | How often did this happen in the past 4 weeks? | 1 - RARELY (1-2 TIMES)2 - SOMETIMES (3-10 TIMES)3 - OFTEN (MORE THAN 10 TIMES) |  |  |
| noeat4wkyn | Household questionnaire | In the past 4 weeks, did you or any household member go a whole day and night without eating anything because there was not enough food? | 1 - YES2 - NO3 - DON'T KNOW | noeat | if noeat4wkyn = 2 then 0if noeat4wkyn = 1 & noeat4wkfreq = 1 then 1if noeat4wkyn = 1 & noeat4wkfreq = 2 then 1if noeat4wkyn = 1 & noeat4wkfreq = 3 then 2 |
| nofood4wkfreq | Household questionnaire | How often did this happen in the past 4 weeks? | 1 - RARELY (1-2 TIMES)2 - SOMETIMES (3-10 TIMES)3 - OFTEN (MORE THAN 10 TIMES) |  |  |
| nofood4wkyn | Household questionnaire | In the past 4 weeks, was there ever no food to eat of any kind inf your household because of lack of resources to get food? | 1 - YES2 - NO3 - DON'T KNOW | nofood | if nofood4wkyn = 2 then 0if nofood4wkyn = 1 & nofood4wkfreq = 1 then 1if nofood4wkyn = 1 & nofood4wkfreq = 2 then 1if nofood4wkyn = 1 & nofood4wkfreq = 3 then 2 |

## Sensitivity analysis excluding those who reported selling sex (presumably excluding commercial sex work)

In PHIAs, questions on sex work and transactional sex behaviors are similar and thus are unlikely to reliably distinguish between the two forms (see table of questionnaire and variable creation in Table 3-1). Table 4 shows no substantial differences in the results when considering transactional sex alone vs. commercial sex work. This is likely due to the fact that there is substantial overlap of reporting transactional sex and selling sex.

### Table 4-1. Adjusted odds ratios for associations with transactional sex (excluding “selling sex”) within the last 12 months among women aged 15-59 in a domestic or marital partnership in six sub-Saharan African countries, 2016-2017, Model 2 (N = 19,317)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Characteristic** |  **aOR**  |  **p-value**  |  **Lower**  |  **Upper**  |
| **Couple-level mobility** |  |  |  |  |
| Neither mobile |  ref  |  |  |  |
| Woman only mobile |  1.31  |  0.019  |  1.05  |  1.65  |
| Partner only mobile |  0.91  |  0.363  |  0.74  |  1.12  |
| Both mobile |  1.41  |  0.070  |  0.97  |  2.04  |
| **Food insecurity** |  |  |  |  |
|  Little to none  |  ref  |  |  |  |
|  Moderate or severe  |  1.20  |  0.024  |  1.02  |  1.41  |

### Table 4-2. Adjusted odds ratios for associations with “selling sex” within the last 12 months among women aged 15-59 in a domestic or marital partnership in six sub-Saharan African countries, 2016-2017, Model 2 (N = 19,317)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Characteristic** |  **aOR**  |  **p-value**  |  **Lower**  |  **Upper**  |
| **Couple-level mobility** |  |  |  |  |
| Neither mobile |  ref  |  |  |  |
| Woman only mobile |  1.49  |  0.257  |  0.75  |  2.97  |
| Partner only mobile |  1.04  |  0.923  |  0.50  |  2.16  |
| Both mobile |  205  |  0.211  |  0.66  |  6.36  |
| **Food insecurity** |  |  |  |  |
|  Little to none  |  ref  |  |  |  |
|  Moderate or severe  |  1.68  |  0.032  |  1.04  |  |

## Sensitivity analysis repeating analysis with only women whose matched partner was not an eligible respondent

When the analysis was repeated among women with non-de facto participating partners (n=3,083), mobile women with mobile partners were 7.19 (1.59 – 32.48) times more likely to engage in transactional sex (Supplemental material). In this sample, partner’s mobility was more common (42.6% [38.0 – 47.4]) than in the sample included in the study (12.6% [11.8 – 13.3]).Table 5-4 shows non-de facto participating partners were more likely to be mobile than those who were eligible respondents, though there is substantial missing data on mobility among non-de facto participating partners. Also, 34.9% of women with partners who were non-de facto respondents were in Tanzania, so it may be skewed towards the trends in that country.

This sensitivity analysis which repeated Model 2 among women with non-de facto participating partners suggests that we may have systematically excluded a group who are potentially at greater risk for transactional sex. We were unable to perform the same sensitivity analysis for mobile women or mobile partners who were not present at the time of the survey.

### Table 5-1. Women’s partner’s individual response status prior to restricting inclusion criteria

|  |  |  |
| --- | --- | --- |
| **Partner’s individual response status** | **Number** | **Percent** |
| Eligible Respondent | 20,616 | 75.3 |
| Eligible Non-respondent | 2,691 | 9.83 |
| Non-de facto Participant | 3,080 | 11.25 |
| Not sampled (over age) | 617 | 2.25 |
| Unknown Eligibility | 1 | < 0.01 |
| Collected in another tablet | 2 | 0.01 |
| Rostered in error | 6 | 0.02 |
| Not Sampled | 365 | 1.33 |

### Table 5-2. Number women with partners who were non-defacto respondents by country

|  |  |  |  |
| --- | --- | --- | --- |
| **Country** | **Number** | **Percent** | **Proportion of all countries** |
| Eswatini | 106 | 7.5 | 3.44 |
| Lesotho | 368 | 16.2 | 11.95 |
| Namibia | 228 | 9.65 | 7.4 |
| Tanzania | 1074 | 12.08 | 34.87 |
| Uganda | 615 | 9.33 | 19.9 |
| Zambia | 689 | 11.78 | 22.37 |
| Total | 3,080 | 11.25 | 100 |

### Table 5-3. Adjusted odds ratios for transactional sex, pooled, Model 2, women with partners who were non-defacto respondents (N=748 with complete data out of 3,080)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Characteristic** | **aOR** | **p-value** | **Lower** | **Upper** |
| **Couple-level mobility** |  |  |  |  |
| Neither mobile | ref |  |  |  |
| Woman only mobile |  0.50  |  0.490  |  0.07  |  3.70  |
| Partner only mobile |  1.26  |  0.752  |  0.30  |  5.32  |
| Both mobile |  7.19  |  0.011  |  1.59  |  32.48  |
| **Food insecurity** |  |  |  |  |
|  Little to none  |  ref  |  |  |  |
|  Moderate or severe  |  3.58  |  0.036  |  1.09  |  11.78 |

### Table 5-4. Number and percent in each mobility category by partner’s respondent status

|  |  |
| --- | --- |
|  | **Mobility** |
| **Partner's respondent status** | **Neither mobile** | **Woman only mobile** | **Partner only mobile** | **Both mobile** | **Missing data** | **Total** |
| Eligible Respondent |  |  |  |  |  |  |
| Number | 15,257 | 1,746 | 2,575 | 609 | 429 | 20,616 |
| Percent | 74.01 | 8.47 | 12.49 | 2.95 | 2.08 | 100 |
| Eligible Non-Respondent |  |  |  |  |  |  |
| Number | 317 | 65 | 58 | 9 | 2,242 | 2,691 |
| Percent | 11.78 | 2.42 | 2.16 | 0.33 | 83.31 | 100 |
| Non-defacto Participant |  |  |  |  |  |  |
| Number | 708 | 104 | 705 | 116 | 1,447 | 3,080 |
| Percent | 22.99 | 3.38 | 22.89 | 3.77 | 46.98 | 100 |
| Not Sampled (over age) |  |  |  |  |  |  |
| Number | 104 | 19 | 13 | 2 | 479 | 617 |
| Percent | 16.86 | 3.08 | 2.11 | 0.32 | 77.63 | 100 |
| Unknown Eligibility |  |  |  |  |  |  |
| Number | 0 | 0 | 0 | 0 | 1 | 1 |
| Percent | 0 | 0 | 0 | 0 | 100 | 100 |
| Collected in another tablet |  |  |  |  |  |
| Number | 0 | 1 | 0 | 0 | 1 | 2 |
| Percent | 0 | 50 | 0 | 0 | 50 | 100 |
| Rostered in Error |  |  |  |  |  |  |
| Number | 3 | 0 | 2 | 0 | 1 | 6 |
| Percent | 50 | 0 | 33.33 | 0 | 16.67 | 100 |
| Not Sampled |  |  |  |  |  |  |
| Number | 0 | 0 | 0 | 0 | 365 | 365 |
| Percent | 0 | 0 | 0 | 0 | 100 | 100 |

## Sub-analysis of sexual behaviors among women who reported transactional sex in the last 12 months

### Table 6. Percentage of women reporting transactional sex in the last 12 months who also reported sex with multiple partners or non-regular partners in the last 12 months, women in a domestic or marital partnership in six sub-Saharan African countries, 2016-2017 (N = 1,665)

|  |  |  |  |
| --- | --- | --- | --- |
| Sexual behavior | % | Lower | Upper |
| Multiple sexual partners in the last month | 23.1 | 20.2 | 26.4 |
| Non-regular sexual partners in the last month | 25.6 | 22.6 | 29.0 |

## Country-level results

### Table 7-1. Sociodemographic characteristics among women aged 15-59 in a domestic or marital partnership in six sub-Saharan African countries, 2016-2017 (N = 20,616)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|   |  Eswatini (N=1,131)  |  Lesotho (N=1,421)  |  Namibia (N=1,763)  |  Tanzania (N=6,993)  |  Uganda (N=5,399)  |  Zambia (N=3,909)  |
| **Characteristic** |  n  |  %  |  n  |  %  |  n  |  %  |  n  |  %  |  n  |  %  |  n  |  %  |
| **Couple-level mobility** |
| Neither mobile |  860  |  76.0 (73.3,78.5)  |  1,127  |  86.3 (84.2,88.2)  |  1,097  |  61.5 (58.6,64.3)  |  5,491  |  79.7 (78.3,81.1)  |  3,807  |  70.4 (69.1,71.7)  |  2,875  |  76.6 (74.9,78.2)  |
| Woman only mobile |  83  |  7.5 (6.1,9.2)  |  37  |  2.7 (1.9,3.8)  |  205  |  13.6 (11.6,15.8)  |  508  |  8.0 (7.1,8.9)  |  552  |  10.1 (9.3,10.9)  |  361  |  9.6 (8.6,10.8)  |
| Partner only mobile |  136  |  11.8 (9.8,14.2)  |  140  |  10.3 (8.7,12.3)  |  280  |  16.1 (14.2,18.1)  |  734  |  10.8 (9.6,12)  |  853  |  16.2 (15.1,17.4)  |  432  |  11.4 (10.2,12.7)  |
| Both mobile |  51  |  4.7 (3.6,5.9)  |  9  |  0.7 (0.3,1.4)  |  155  |  8.9 (7.4,10.6)  |  119  |  1.6 (1.2,2)  |  187  |  3.2 (2.8,3.8)  |  88  |  2.4 (1.9,3)  |
| Don't know/Missing |  1  |  0.1 (0,0.6)  |  108  |  7.3 (5.9,9)  |  26  |  1.7 (1.1,2.6)  |  141  |  1.9 (1.5,2.5)  | 0 |  0.0 (0,0)  |  153  |  3.9 (3.1,4.9)  |
| **Household level**  |   |   |   |   |   |   |   |   |   |   |   |   |
| **Food insecurity** |  |  |  |  |  |  |  |  |  |  |  |  |
| Little to none  |  839  |  75.8 (72.7,78.7)  |  1,050  |  75.0 (72.4,77.5)  |  1,301  |  78.1 (75.3,80.7)  |  5,777  |  82. (80.2,83.6)  |  4,059  |  79.1 (77.6,80.5)  |  3,466  |  88.7 (87.3,90)  |
| Moderate to severe  |  288  |  24.2 (21.3,27.3)  |  369  |  25.0 (22.5,27.6)  |  461  |  21.9 (19.3,24.7)  |  1,205  |  18. (16.4,19.8)  |  1,335  |  20.9 (19.5,22.4)  |  436  |  11.3 (10,12.7)  |
| **Economic support in past 3 months** |
| No |  649  |  59.9 (55.9,63.7)  |  1,175  |  83.7 (81,86.1)  |  1,225  |  72.6 (69.6,75.4)  |  6,666  |  95.6 (94.7,96.3)  |  5,102  |  94.5 (93.6,95.4)  |  3,782  |  96.8 (95.8,97.5)  |
| Yes |  482  |  40.1 (36.3,44.1)  |  246  |  16.3 (13.9,19)  |  538  |  27.4 (24.6,30.4)  |  327  |  4.4 (3.7,5.3)  |  297  |  5.5 (4.6,6.4)  |  127  |  3.2 (2.5,4.2)  |
| **Gender of head of household-**  |
| Male |  816  |  72.0 (68.6,75.2)  |  1,095  |  77.8 (75,80.4)  |  1,327  |  74.5 (71.7,77.2)  |  6,670  |  95.6 (95,96.2)  |  4,938  |  92.8 (91.8,93.6)  |  3,790  |  96.9 (96.1,97.5)  |
| Female |  315  |  28.0 (24.8,31.4)  |  326  |  22.2 (19.6,25)  |  436  |  25.5 (22.8,28.3)  |  323  |  4.4 (3.8,5)  |  461  |  7.2 (6.4,8.2)  |  119  |  3.1 (2.5,3.9)  |
| **Wealth Quintile** |  |  |  |  |  |  |  |  |  |  |  |  |
| Q1 |  256  |  21.1 (18,24.4)  |  298  |  18.7 (16.1,21.6)  |  492  |  20.9 (17.9,24.2)  |  1,649  |  22.0 (19.5,24.7)  |  1,666  |  24.2 (22.5,26)  |  704  |  18.1 (16.4,19.9)  |
| Q2 |  238  |  20.1 (17.6,22.8)  |  262  |  17.3 (15.2,19.7)  |  389  |  18.2 (15.5,21.1)  |  1,662  |  23.1 (21.1,25.2)  |  1,189  |  22.1 (20.4,23.9)  |  904  |  23.3 (21.6,25.2)  |
| Q3 |  265  |  21.7 (18.8,24.9)  |  257  |  18.7 (16.5,21.2)  |  329  |  16.9 (14.2,19.9)  |  1,624  |  21.7 (20,23.6)  |  1,054  |  21.0 (19.5,22.7)  |  898  |  22.9 (21,24.9)  |
| Q4 |  170  |  16.9 (14.6,19.6)  |  274  |  20.3 (17.9,23)  |  278  |  18.5 (15.3,22.2)  |  1,149  |  17.4 (15.4,19.6)  |  790  |  18.0 (16.5,19.6)  |  750  |  19.1 (17.2,21.2)  |
| Q5 |  202  |  20.2 (17.2,23.6)  |  328  |  24.9 (22.1,27.9)  |  275  |  25.5 (19.8,32.2)  |  905  |  15.8 (13.7,18.1)  |  700  |  14.7 (12.8,16.9)  |  630  |  16.5 (14.5,18.8)  |
| **Individual level** |   |   |   |   |   |   |   |   |   |   |   |   |
| **Transactional sex** |  |  |  |  |  |  |  |  |  |  |  |  |
| No |  1,093  |  96.8 (95.4,97.8)  |  1,318  |  97.3 (96,98.2)  |  1,462  |  92.2 (90.1,93.9)  |  6,592  |  95.7 (95,96.2)  |  4,616  |  86.6 (85.2,87.8)  |  3,095  |  87.9 (86.3,89.3)  |
| Yes |  32  |  3.2 (2.2,4.6)  |  35  |  2.7 (1.8,4.0)  |  110  |  7.8 (6.1,9.9)  |  282  |  4.3 (3.8,5.0)  |  765  |  13.4 (12.2,14.8)  |  441  |  12.1 (10.7,13.7)  |
| Commercial sex\* |  2  |  0.1 (0,0.6)  |  12  |  1.0 (0.5,2.0)  |  1  |  0.2 (0.0,0.2)  |  155  |  2.4 (2.0,2.9)  | 0 |  0.0 (0,0)  |  8  |  0.2 (0.1,0.4)  |
| Other transactional\* |  31  |  3.2 (2.2,4.6)  |  33  |  2.4 (1.7,3.4)  |  109  |  6.8 (5.4,8.6)  |  221  |  3.3 (2.9,3.9)  |  765  |  13.4 (12.2,14.8)  |  436  |  10.8 (9.5,12.3)  |
| Don't know/Missing |  6.0  |  0.6 (0.3,1.5)  |  68.0  |  5.0 (3.8,6.6)  |  191  |  9.5 (7.8,11.4)  |  119.0  |  1.8 (1.5,2.3)  |  18  |  0.4 (0.2,0.6)  |  373  |  9.7 (8.5,11.0)  |
| **Age group** |  |  |  |  |  |  |  |  |  |  |  |  |
| 15-24 |  112  |  10.2 (8.6,12.2)  |  309  |  20.6 (18.3,23.0)  |  235  |  12.7 (11.1,14.6)  |  1,735  |  24.7 (23.2,26.2)  |  1,500  |  29.2 (27.8,30.5)  |  926  |  25.1 (23.6,26.6)  |
| 25-34 |  386  |  35.1 (31.8,38.5)  |  558  |  40.8 (37.8,43.8)  |  537  |  32.7 (28.7,37.0)  |  2,425  |  34.4 (32.9,35.9)  |  1,912  |  35.8 (34.4,37.2)  |  1,466  |  38.7 (37.0,40.4)  |
| 35-44 |  304  |  30.3 (26.7,34.1)  |  327  |  23.3 (20.8,25.9)  |  524  |  28.8 (25.9,31.9)  |  1,640  |  23.1 (21.8,24.4)  |  1,227  |  22.4 (21.2,23.7)  |  1,041  |  24.6 (23.3,26)  |
| 45-59 |  329  |  24.4 (21.5,27.6)  |  227  |  15.4 (13.6,17.4)  |  467  |  25.8 (22.7,29.1)  |  1,193  |  17.8 (16.5,19.2)  |  760  |  12.7 (11.7,13.7)  |  476  |  11.6 (10.6,12.8)  |
| **Geography** |  |  |  |  |  |  |  |  |  |  |  |  |
| Rural |  905  |  74.5 (70.9,77.8)  |  752  |  49.6 (45.5,53.6)  |  1,007  |  41.5 (37.2,46.0)  |  5,135  |  69.9 (66.1,73.4)  |  4,257  |  77.7 (74.2,81.0)  |  2,599  |  66.2 (62.8,69.6)  |
| Urban |  226  |  25.5 (22.2,29.1)  |  669  |  50.4 (46.4,54.5)  |  756  |  58.5 (54.0,62.8)  |  1,858  |  30.1 (26.6,33.9)  |  1,142  |  22.3 (19.0,25.8)  |  1,310  |  33.8 (30.4,37.2)  |
| **Type of partnership** |
| Married |  976  |  85.3 (82.4,87.7)  |  1,388  |  97.5 (96.4,98.3)  |  894  |  54.8 (50.7,58.8)  |  5,494  |  79.1 (77.7,80.4)  |  4,042  |  72.7 (70.9,74.5)  |  3,886  |  99.5 (99.2,99.7)  |
| Living together |  155  |  14.7 (12.3,17.6)  |  33  |  2.5 (1.7,3.6)  |  869  |  45.2 (41.2,49.3)  |  1,499  |  20.9 (19.6,22.3)  |  1,357  |  27.3 (25.5,29.1)  |  23  |  0.5 (0.3,0.8)  |
| **Educational level** |  |  |  |  |  |  |  |  |  |  |  |  |
| None |  73  |  5.9 (4.6,7.7)  |  16  |  1.0 (0.6,1.7)  |  227  |  9.3 (7.7,11.0)  |  1,599  |  20.9 (19.2,22.8)  |  3,449  |  61.1 (59.2,62.9)  |  330  |  8.9 (7.7,10.3)  |
| Primary |  372  |  30.2 (27.6,32.9)  |  619  |  42.5 (39.8,45.2)  |  566  |  25.9 (22.9,29.2)  |  4,513  |  65.6 (63.8,67.4)  |  1,674  |  33.5 (31.9,35.2)  |  2,225  |  56.3 (54.0,58.5)  |
| Secondary or greater |  686  |  63.9 (60.8,66.9)  |  786  |  56.5 (53.7,59.2)  |  967  |  64.8 (60.7,68.8)  |  876  |  13.5 (12.3,14.7)  |  259  |  5.4 (4.7,6.3)  |  1,353  |  34.8 (32.5,37.2)  |
| **Employed in past 12 months** |
| No |  722  |  61.7 (58.5,64.9)  |  885  |  59.7 (56.9,62.4)  |  1,055  |  53.5 (49.3,57.5)  |  4,903  |  70.8 (69.5,72.2)  |  2,913  |  53. (51.3,54.7)  |  3,048  |  78.2 (76.5,79.9)  |
| Yes |  409  |  38.3 (35.1,41.5)  |  536  |  40.3 (37.6,43.1)  |  708  |  46.5 (42.5,50.7)  |  2,090  |  29.2 (27.8,30.5)  |  2,486  |  47. (45.3,48.7)  |  861  |  21.8 (20.1,23.5)  |
| **Partner level** |   |   |   |   |   |   |   |   |   |   |   |   |
| **Age group** |  |  |  |  |  |  |  |  |  |  |  |  |
| 15-24 |  19  |  1.6 (1.0,2.6)  |  86  |  5.5 (4.4,6.9)  |  79  |  3.4 (2.6,4.5)  |  565  |  7.3 (6.5,8.1)  |  525  |  10.1 (9.2,11.0)  |  268  |  7.5 (6.6,8.5)  |
| 25-34 |  245  |  22.9 (20.1,26)  |  487  |  34.5 (31.7,37.5)  |  404  |  25.3 (22,28.9)  |  2,141  |  30.3 (28.8,32)  |  1,735  |  32.8 (31.4,34.2)  |  1,270  |  34.0 (32.2,35.7)  |
| 35-44 |  333  |  31.4 (28.4,34.6)  |  435  |  32.0 (29.3,34.8)  |  575  |  32.7 (30.2,35.4)  |  1,960  |  27.7 (26.4,29)  |  1,476  |  27.7 (26.3,29.1)  |  1,296  |  33.0 (31.2,34.7)  |
| 45-59 |  344  |  30.3 (27.1,33.6)  |  413  |  28.0 (25.5,30.6)  |  582  |  32.5 (29.1,36)  |  1,701  |  24.6 (23,26.2)  |  1,373  |  24.5 (23.2,26)  |  1,075  |  25.6 (24.1,27.1)  |
| 60+ |  190  |  13.7 (11.8,15.9)  | 0 |  0.0 (0,0)  |  123  |  6.1 (4.8,7.6)  |  626  |  10.1 (9.1,11.2)  |  290  |  4.9 (4.3,5.7)  | 0 |  0.0 (0,0)  |
| **Age difference** |  |  |  |  |  |  |  |  |  |  |  |  |
| <10 years |  797  |  71.3 (68.3,74.1)  |  1,191  |  83.8 (81.6,85.8)  |  1,410  |  81.8 (79.1,84.1)  |  5,077  |  71.1 (69.4,72.7)  |  4,029  |  74.3 (73,75.6)  |  3,228  |  82.9 (81.5,84.1)  |
| 10+ years older |  334  |  28.7 (25.9,31.7)  |  230  |  16.2 (14.2,18.4)  |  353  |  18.2 (15.9,20.9)  |  1,916  |  28.9 (27.3,30.6)  |  1,370  |  25.7 (24.4,27)  |  681  |  17.1 (15.9,18.5)  |
| **Partner's educational level** |
| None |  98  |  7.7 (6.2,9.7)  |  180  |  11.9 (10.2,13.7)  |  223  |  9.8 (8.3,11.6)  |  965  |  13.2 (11.7,14.9)  |  2,622  |  47.4 (45.5,49.3)  |  163  |  4.8 (3.9,5.9)  |
| Primary |  398  |  34.0 (31.0,37.2)  |  641  |  44.5 (41.6,47.4)  |  586  |  27.3 (24.1,30.8)  |  4,919  |  70.4 (68.5,72.1)  |  2,098  |  40.1 (38.5,41.7)  |  1,750  |  44.7 (42.7,46.7)  |
| Secondary or greater |  632  |  58.2 (54.7,61.7)  |  596  |  43.7 (40.7,46.7)  |  950  |  62.8 (58.6,66.9)  |  1,105  |  16.4 (14.9,18.0  |  646  |  12.5 (11.3,13.8)  |  1,991  |  50.5 (48.3,52.7)  |
| **Partner employed in past 12 months** |
| No |  471  |  39.2 (36.1,42.5)  |  634  |  42.3 (39.5,45.2)  |  613  |  30.3 (27.3,33.4)  |  2,949  |  42.0 (39.8,44.2)  |  1,726  |  30.1 (28.3,32.0)  |  1,825  |  46.6 (44.3,49.0)  |
| Yes |  660  |  60.8 (57.5,63.9)  |  787  |  57.7 (54.8,60.5)  |  1,149  |  69.7 (66.6,72.7)  |  4,044  |  58.0 (55.8,60.2)  |  3,673  |  69.9 (68.0,71.7)  |  2,083  |  53.4 (51.0,55.7)  |

\*Some women reported both commercial and other transactional sex.

### Table 7-2. Odds ratios for associations with transactional sex within the last 12 months among women aged 15-59 in a domestic or marital partnership in six sub-Saharan African countries, 2016-2017 (N = 19,317)

|  |  |  |  |
| --- | --- | --- | --- |
|   | Eswatini (N=1,117) | Lesotho (N=1,245) | Namibia (N=1,541) |
| Characteristic | OR | p-value | Lower | Upper | OR | p-value | Lower | Upper | OR | p-value | Lower | Upper |
| **Couple-level mobility** |  |  |  |  |  |  |  |  |  |  |  |
| Neither mobile | ref |  |  |  |  |  |  |  |  |  |  |  |
| Woman only mobile | 3.67 | 0.002 | 1.65 | 8.16 | 1.30 | 0.826 | 0.12 | 13.72 | 1.08 | 0.825 | 0.53 | 2.24 |
| Partner only mobile | 1.30 | 0.628 | 0.44 | 3.83 | 2.76 | 0.075 | 0.90 | 8.45 | 0.65 | 0.280 | 0.29 | 1.43 |
| Both mobile | 1.90 | 0.422 | 0.39 | 9.28 | empty |  |  |  | 1.73 | 0.157 | 0.81 | 3.71 |
|  **Household covariates**  |   |   |   |   |   |   |   |   |   |   |   |
| **Food insecurity x** |  |  |  |  |  |  |  |  |  |  |  |  |
|  Little to none  | ref |  |  |  |  |  |  |  |  |  |  |  |
|  Moderate or severe  | 2.21 | 0.079 | 0.91 | 5.34 | 2.08 | 0.096 | 0.88 | 4.94 | 1.03 | 0.903 | 0.60 | 1.80 |
| **Economic support in past 3 months** |  |  |  |  |  |  |  |  |  |  |
| No | ref |  |  |  |  |  |  |  |  |  |  |  |
| Yes | 0.93 | 0.870 | 0.41 | 2.13 | 2.15 | 0.047 | 1.01 | 4.58 | 0.94 | 0.810 | 0.56 | 1.58 |
| **Gender of head of household** |  |  |  |  |  |  |  |  |  |  |  |
| Male | ref |  |  |  |  |  |  |  |  |  |  |  |
| Female | 1.19 | 0.639 | 0.57 | 2.50 | 1.41 | 0.519 | 0.49 | 4.02 | 0.54 | 0.067 | 0.28 | 1.05 |
| **Wealth quintile y** |  |  |  |  |  |  |  |  |  |  |  |  |
| Q1 | ref |  |  |  |  |  |  |  |  |  |  |  |
| Q2 | 0.73 | 0.613 | 0.21 | 2.48 | 0.87 | 0.781 | 0.33 | 2.30 | 0.84 | 0.595 | 0.44 | 1.59 |
| Q3 | 0.79 | 0.660 | 0.28 | 2.26 | 0.44 | 0.265 | 0.11 | 1.86 | 0.71 | 0.371 | 0.34 | 1.51 |
| Q4 | 0.44 | 0.210 | 0.12 | 1.59 | 0.42 | 0.228 | 0.10 | 1.72 | 0.64 | 0.212 | 0.32 | 1.29 |
| Q5 | 0.24 | 0.092 | 0.04 | 1.27 | 0.95 | 0.926 | 0.31 | 2.91 | 0.60 | 0.232 | 0.26 | 1.38 |
|  **Individual level**  |   |   |   |   |   |   |   |   |   |   |   |   |
| **Age group** |  |  |  |  |  |  |  |  |  |  |  |  |
| 15-24 | 4.72 | 0.019 | 1.29 | 17.21 | 1.69 | 0.499 | 0.37 | 7.71 | 3.34 | 0.001 | 1.63 | 6.84 |
| 25-34 | 5.17 | 0.002 | 1.87 | 14.33 | 1.15 | 0.859 | 0.25 | 5.27 | 0.90 | 0.772 | 0.43 | 1.86 |
| 35-44 | 2.40 | 0.166 | 0.69 | 8.34 | 1.69 | 0.488 | 0.38 | 7.55 | 1.27 | 0.588 | 0.54 | 3.00 |
| 45-59 | ref |  |  |  |  |  |  |  |  |  |  |  |
| **Geography** |  |  |  |  |  |  |  |  |  |  |  |  |
| Rural | ref |  |  |  |  |  |  |  |  |  |  |  |
| Urban | 0.94 | 0.887 | 0.41 | 2.17 | 1.20 | 0.645 | 0.55 | 2.64 | 0.88 | 0.622 | 0.53 | 1.47 |
| **Type of partnership** |  |  |  |  |  |  |  |  |  |  |  |
| Married | ref |  |  |  |  |  |  |  |  |  |  |  |
| Living together | 1.35 | 0.674 | 0.33 | 5.42 | 1.71 | 0.637 | 0.18 | 15.94 | 1.70 | 0.050 | 1.00 | 2.90 |
| **Educational level** |  |  |  |  |  |  |  |  |  |  |  |  |
| None | ref |  |  |  |  |  |  |  |  |  |  |  |
| Primary | 0.81 | 0.783 | 0.19 | 3.56 | 0.19 | 0.153 | 0.02 | 1.87 | 0.58 | 0.140 | 0.28 | 1.20 |
| Secondary or greater | 0.75 | 0.691 | 0.18 | 3.18 | 0.23 | 0.206 | 0.02 | 2.28 | 0.53 | 0.065 | 0.27 | 1.04 |
| **Employed in past 12 months** |  |  |  |  |  |  |  |  |  |  |  |
| No | ref |  |  |  |  |  |  |  |  |  |  |  |
| Yes | 1.93 | 0.056 | 0.98 | 3.79 | 1.17 | 0.754 | 0.44 | 3.08 | 0.81 | 0.425 | 0.47 | 1.37 |
|  **Partner level**  |   |   |   |   |   |   |   |   |   |   |   |   |
| **Age group** |  |  |  |  |  |  |  |  |  |  |  |  |
| 15-24 | 3.33 | 0.313 | 0.32 | 35.02 | 2.19 | 0.394 | 0.36 | 13.33 | 1.50 | 0.492 | 0.47 | 4.78 |
| 25-34 | 1.87 | 0.328 | 0.53 | 6.59 | 1.87 | 0.343 | 0.51 | 6.91 | 1.29 | 0.507 | 0.60 | 2.79 |
| 35-44 | 2.39 | 0.111 | 0.82 | 6.97 | 2.14 | 0.164 | 0.73 | 6.28 | 1.04 | 0.912 | 0.55 | 1.94 |
| 45-59 | ref |  |  |  |  |  |  |  |  |  |  |  |
| 60+ | 1.36 | 0.683 | 0.30 | 6.11 | empty |  |  |  | 2.03 | 0.126 | 0.82 | 5.03 |
| **Age difference** |  |  |  |  |  |  |  |  |  |  |  |  |
| <10 years | ref |  |  |  |  |  |  |  |  |  |  |  |
| 10+ years older | 2.35 | 0.037 | 1.06 | 5.24 | 0.53 | 0.360 | 0.13 | 2.09 | 2.06 | 0.007 | 1.22 | 3.50 |
| **Partner's educational level** |  |  |  |  |  |  |  |  |  |  |  |
| None | ref |  |  |  |  |  |  |  |  |  |  |  |
| Primary | 1.46 | 0.657 | 0.27 | 7.92 | 1.00 | 0.998 | 0.31 | 3.18 | 0.66 | 0.187 | 0.36 | 1.22 |
| Secondary or greater | 1.30 | 0.735 | 0.28 | 6.10 | 0.61 | 0.495 | 0.14 | 2.58 | 0.73 | 0.249 | 0.42 | 1.25 |
| **Partner is employed in past 12 months** |  |  |  |  |  |  |  |  |  |  |  |
| No | ref |  |  |  |  |  |  |  |  |  |  |  |
| Yes | 1.37 | 0.478 | 0.57 | 3.28 | 1.29 | 0.567 | 0.54 | 3.09 | 0.97 | 0.905 | 0.60 | 1.57 |

…continued

|  |  |  |
| --- | --- | --- |
| Tanzania (N=6,716) | Uganda (N=5,328) | Zambia (N=3,370) |
| OR | p-value | Lower | Upper | OR | p-value | Lower | Upper | OR | p-value | Lower | Upper |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 1.21 | 0.486 | 0.71 | 2.04 | 1.47 | 0.005 | 1.12 | 1.92 | 1.64 | 0.012 | 1.12 | 2.42 |
| 0.89 | 0.668 | 0.53 | 1.51 | 0.97 | 0.790 | 0.76 | 1.24 | 1.26 | 0.183 | 0.89 | 1.79 |
| 1.75 | 0.227 | 0.70 | 4.37 | 1.43 | 0.104 | 0.93 | 2.19 | 2.11 | 0.016 | 1.15 | 3.89 |
|   |   |   |   |   |   |   |   |   |   |   |   |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 1.67 | 0.001 | 1.22 | 2.27 | 1.28 | 0.011 | 1.06 | 1.56 | 1.44 | 0.047 | 1.01 | 2.07 |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 1.31 | 0.368 | 0.73 | 2.36 | 1.32 | 0.127 | 0.92 | 1.88 | 0.94 | 0.843 | 0.48 | 1.81 |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 1.71 | 0.107 | 0.89 | 3.30 | 1.73 | 0.000 | 1.31 | 2.29 | 2.20 | 0.001 | 1.38 | 3.50 |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 0.67 | 0.060 | 0.44 | 1.02 | 0.77 | 0.027 | 0.61 | 0.97 | 0.82 | 0.330 | 0.55 | 1.23 |
| 0.70 | 0.101 | 0.46 | 1.07 | 0.70 | 0.015 | 0.53 | 0.93 | 0.84 | 0.311 | 0.59 | 1.18 |
| 0.53 | 0.036 | 0.30 | 0.96 | 0.71 | 0.022 | 0.53 | 0.95 | 0.67 | 0.037 | 0.46 | 0.98 |
| 0.45 | 0.009 | 0.25 | 0.82 | 0.60 | 0.008 | 0.41 | 0.87 | 0.30 | 0.000 | 0.19 | 0.48 |
|   |   |   |   |   |   |   |   |   |   |   |   |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 2.70 | 0.000 | 1.63 | 4.46 | 2.15 | 0.000 | 1.59 | 2.91 | 1.80 | 0.004 | 1.21 | 2.68 |
| 1.71 | 0.030 | 1.05 | 2.78 | 1.45 | 0.023 | 1.05 | 1.98 | 1.28 | 0.220 | 0.86 | 1.91 |
| 2.01 | 0.016 | 1.14 | 3.54 | 1..47 | 0.015 | 1.08 | 2.01 | 1.03 | 0.886 | 0.68 | 1.56 |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 0.69 | 0.041 | 0.49 | 0.99 | 0.88 | 0.401 | 0.66 | 1.18 | 0.59 | 0.001 | 0.44 | 0.80 |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 1.73 | 0.000 | 1.28 | 2.35 | 1.20 | 0.102 | 0.96 | 1.49 | 0.64 | 0.552 | 0.15 | 2.80 |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 1.22 | 0.274 | 0.86 | 1.73 | 0.86 | 0.120 | 0.71 | 1.04 | 1.44 | 0.095 | 0.94 | 2.20 |
| 0.57 | 0.084 | 0.30 | 1.08 | 0.52 | 0.013 | 0.31 | 0.87 | 1.29 | 0.306 | 0.79 | 2.10 |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 1.76 | 0.001 | 1.28 | 2.43 | 1.03 | 0.725 | 0.86 | 1.25 | 1.13 | 0.386 | 0.86 | 1.47 |
|   |   |   |   |   |   |   |   |   |   |   |   |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 2.25 | 0.002 | 1.34 | 3.76 | 2.21 | 0.000 | 1.66 | 2.94 | 1.89 | 0.003 | 1.25 | 2.86 |
| 1.31 | 0.222 | 0.85 | 2.02 | 1.14 | 0.288 | 0.89 | 1.45 | 1.38 | 0.022 | 1.05 | 1.81 |
| 1.34 | 0.156 | 0.89 | 2.01 | 1.07 | 0.593 | 0.84 | 1.35 | 1.12 | 0.442 | 0.84 | 1.47 |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 0.64 | 0.227 | 0.30 | 1.33 | 0.55 | 0.036 | 0.32 | 0.96 | empty |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 1.23 | 0.227 | 0.88 | 1.74 | 1.06 | 0.555 | 0.88 | 1.26 | 0.87 | 0.320 | 0.66 | 1.15 |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 0.75 | 0.178 | 0.50 | 1.14 | 1.17 | 0.062 | 0.99 | 1.39 | 1.22 | 0.510 | 0.68 | 2.18 |
| 0.35 | 0.006 | 0.17 | 0.74 | 0.86 | 0.339 | 0.63 | 1.17 | 1.06 | 0.834 | 0.59 | 1.92 |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 1.43 | 0.009 | 1.09 | 1.87 | 0.92 | 0.480 | 0.74 | 1.15 | 0.85 | 0.230 | 0.66 | 1.11 |

### Table 7-3. Adjusted odds ratios for associations with transactional sex within the last 12 months among women aged 15-59 in a domestic or marital partnership in six sub-Saharan African countries, 2016-2017, Model 2 (N = 19,317)

|  |  |  |  |
| --- | --- | --- | --- |
|  | Eswatini (N=1,117) | Lesotho (N=1,245) | Namibia (N=1,541) |
| Characteristic | aOR | p-value | Lower | Upper | aOR | p-value | Lower | Upper | aOR | p-value | Lower | Upper |
| **Couple-level mobility** |  |  |  |  |  |  |  |  |  |  |  |
| Neither mobile | ref |  |  |  |  |  |  |  |  |  |  |  |
| Woman only mobile | 2.84 | 0.010 | 1.28 | 6.27 | 1.00 | 0.999 | 0.07 | 13.76 | 1.10 | 0.805 | 0.51 | 2.40 |
| Partner only mobile | 1.00 | 0.994 | 0.40 | 2.50 | 3.16 | 0.045 | 1.03 | 9.71 | 0.68 | 0.349 | 0.30 | 1.53 |
| Both mobile | 1.80 | 0.475 | 0.35 | 9.19 | empty |  |  | 1.82 | 0.097 | 0.90 | 3.71 |
|  **Household covariates**  |   |   |   |   |   |   |   |   |   |   |   |
| **Food insecurity** |  |  |  |  |  |  |  |  |  |  |  |  |
|  Little to none  | ref |  |  |  |  |  |  |  |  |  |  |  |
|  Moderate or severe  | 1.93 | 0.109 | 0.86 | 4.34 | 2.27 | 0.124 | 0.80 | 6.44 | 0.84 | 0.540 | 0.47 | 1.49 |
| **Gender of head of household** |  |  |  |  |  |  |  |  |  |  |  |
| Male | ref |  |  |  |  |  |  |  |  |  |  |  |
| Female | 0.94 | 0.893 | 0.37 | 2.36 | 1.37 | 0.576 | 0.45 | 4.12 | 0.49 | 0.029 | 0.26 | 0.93 |
| **Wealth quintile** |  |  |  |  |  |  |  |  |  |  |  |  |
| Q1 | ref |  |  |  |  |  |  |  |  |  |  |  |
| Q2 | 0.70 | 0.499 | 0.25 | 1.96 | 0.73 | 0.571 | 0.25 | 2.15 | 0.70 | 0.300 | 0.35 | 1.38 |
| Q3 | 1.03 | 0.960 | 0.34 | 3.08 | 0.17 | 0.068 | 0.03 | 1.14 | 0.51 | 0.167 | 0.20 | 1.33 |
| Q4 | 0.34 | 0.190 | 0.07 | 1.72 | 0.20 | 0.054 | 0.04 | 1.03 | 0.48 | 0.174 | 0.17 | 1.38 |
| Q5 | 0.20 | 0.058 | 0.04 | 1.06 | 0.52 | 0.462 | 0.09 | 3.03 | 0.58 | 0.364 | 0.17 | 1.91 |
| **Geography** |  |  |  |  |  |  |  |  |  |  |  |  |
| Rural | ref |  |  |  |  |  |  |  |  |  |  |  |
| Urban | 1.66 | 0.377 | 0.54 | 5.10 | 3.19 | 0.059 | 0.96 | 10.63 | 1.33 | 0.312 | 0.77 | 2.29 |
|  **Individual level**  |   |   |   |   |   |   |   |   |   |   |   |   |
| **Age group** |  |  |  |  |  |  |  |  |  |  |  |  |
| 15-24 | 9.19 | 0.027 | 1.29 | 65.36 | 0.41 | 0.477 | 0.03 | 4.87 | 7.96 | 0.002 | 2.15 | 29.50 |
| 25-34 | 10.27 | 0.012 | 1.69 | 62.52 | 0.32 | 0.306 | 0.04 | 2.85 | 1.67 | 0.349 | 0.57 | 4.89 |
| 35-44 | 3.11 | 0.216 | 0.51 | 18.84 | 0.72 | 0.771 | 0.08 | 6.57 | 1.64 | 0.320 | 0.62 | 4.33 |
| 45-59 | ref |  |  |  |  |  |  |  |  |  |  |  |
| **Type of partnership** |  |  |  |  |  |  |  |  |  |  |  |
| Married | ref |  |  |  |  |  |  |  |  |  |  |  |
| Living together | 0.74 | 0.668 | 0.19 | 2.91 | 1.47 | 0.727 | 0.17 | 13.16 | 1.50 | 0.141 | 0.87 | 2.59 |
| **Educational level** |  |  |  |  |  |  |  |  |  |  |  |  |
| None | ref |  |  |  |  |  |  |  |  |  |  |  |
| Primary | 0.59 | 0.580 | 0.09 | 3.81 | 0.16 | 0.143 | 0.01 | 1.88 | 0.55 | 0.127 | 0.26 | 1.18 |
| Secondary or greater | 0.51 | 0.485 | 0.08 | 3.44 | 0.26 | 0.271 | 0.02 | 2.93 | 0.62 | 0.159 | 0.32 | 1.20 |
| **Employed in past 12 months** |  |  |  |  |  |  |  |  |  |  |  |
| No | ref |  |  |  |  |  |  |  |  |  |  |  |
| Yes | 2.67 | 0.005 | 1.36 | 5.25 | 1.24 | 0.640 | 0.50 | 3.07 | 1.01 | 0.963 | 0.64 | 1.60 |
|  **Partner level**  |   |   |   |   |   |   |   |   |   |   |   |   |
| **Age group** |  |  |  |  |  |  |  |  |  |  |  |  |
| 15-24 | 1.14 | 0.906 | 0.12 | 10.65 | 4.89 | 0.231 | 0.36 | 66.11 | 0.28 | 0.096 | 0.06 | 1.25 |
| 25-34 | 0.61 | 0.559 | 0.11 | 3.27 | 4.43 | 0.131 | 0.64 | 30.86 | 0.44 | 0.161 | 0.14 | 1.38 |
| 35-44 | 1.09 | 0.902 | 0.28 | 4.18 | 3.96 | 0.129 | 0.67 | 23.44 | 0.69 | 0.368 | 0.31 | 1.54 |
| 45-59 | ref |  |  |  |  |  |  |  |  |  |  |  |
| 60+ | 2.59 | 0.298 | 0.43 | 15.67 | empty |  |  | 2.72 | 0.029 | 1.11 | 6.65 |
| **Partner's educational level** |  |  |  |  |  |  |  |  |  |  |  |
| None | ref |  |  |  |  |  |  |  |  |  |  |  |
| Primary | 1.66 | 0.536 | 0.33 | 8.35 | 0.87 | 0.829 | 0.24 | 3.13 | 0.76 | 0.413 | 0.39 | 1.47 |
| Secondary or greater | 1.66 | 0.538 | 0.33 | 8.47 | 0.37 | 0.290 | 0.06 | 2.32 | 1.18 | 0.632 | 0.59 | 2.38 |
| **Partner's employment in past 12 months** |  |  |  |  |  |  |  |  |  |  |
| No |  |  |  |  |  |  |  |  |  |  |  |  |
| Yes | 1.20 | 0.678 | 0.50 | 2.89 | 1.52 | 0.342 | 0.64 | 3.59 | 0.98 | 0.950 | 0.57 | 1.70 |

…continued

|  |  |  |
| --- | --- | --- |
| Tanzania (N=6,716) | Uganda (N=5,328) | Zambia (N=3,370) |
| aOR | p-value | Lower | Upper | aOR | p-value | Lower | Upper | aOR | p-value | Lower | Upper |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 1.21 | 0.466 | 0.72 | 2.02 | 1.35 | 0.034 | 1.02 | 1.79 | 1.71 | 0.009 | 1.15 | 2.54 |
| 0.77 | 0.350 | 0.44 | 1.34 | 0.90 | 0.381 | 0.70 | 1.15 | 1.21 | 0.283 | 0.85 | 1.72 |
| 1.65 | 0.293 | 0.65 | 4.24 | 1.22 | 0.384 | 0.78 | 1.93 | 2.01 | 0.031 | 1.07 | 3.80 |
|   |   |   |   |   |   |   |   |   |   |   |   |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 1.53 | 0.009 | 1.11 | 2.11 | 1.18 | 0.079 | 0.98 | 1.43 | 1.27 | 0.199 | 0.88 | 1.85 |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 1.46 | 0.274 | 0.74 | 2.86 | 1.60 | 0.001 | 1.20 | 2.12 | 2.02 | 0.006 | 1.23 | 3.34 |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 0.70 | 0.091 | 0.47 | 1.06 | 0.87 | 0.265 | 0.68 | 1.11 | 0.84 | 0.406 | 0.56 | 1.27 |
| 0.83 | 0.411 | 0.53 | 1.29 | 0.81 | 0.184 | 0.60 | 1.10 | 0.85 | 0.402 | 0.58 | 1.25 |
| 0.74 | 0.388 | 0.37 | 1.47 | 0.84 | 0.262 | 0.62 | 1.14 | 0.68 | 0.111 | 0.42 | 1.09 |
| 0.79 | 0.567 | 0.35 | 1.77 | 0.76 | 0.194 | 0.50 | 1.15 | 0.31 | 0.000 | 0.17 | 0.55 |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 0.83 | 0.466 | 0.50 | 1.37 | 1.04 | 0.805 | 0.77 | 1.41 | 0.85 | 0.399 | 0.58 | 1.24 |
|   |   |   |   |   |   |   |   |   |   |   |   |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 2.13 | 0.036 | 1.05 | 4.29 | 1.62 | 0.031 | 1.04 | 2.50 | 1.62 | 0.154 | 0.83 | 3.14 |
| 1.45 | 0.275 | 0.74 | 2.84 | 1.38 | 0.136 | 0.90 | 2.10 | 1.38 | 0.289 | 0.76 | 2.48 |
| 1.61 | 0.111 | 0.90 | 2.90 | 1.37 | 0.075 | 0.97 | 1.95 | 1.03 | 0.898 | 0.64 | 1.65 |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 1.57 | 0.004 | 1.16 | 2.13 | 1.12 | 0.322 | 0.90 | 1.39 | 0.47 | 0.378 | 0.09 | 2.55 |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 1.28 | 0.183 | 0.89 | 1.84 | 0.81 | 0.056 | 0.65 | 1.01 | 1.42 | 0.108 | 0.92 | 2.19 |
| 0.76 | 0.408 | 0.39 | 1.47 | 0.56 | 0.055 | 0.31 | 1.01 | 1.64 | 0.053 | 0.99 | 2.70 |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 1.82 | 0.001 | 1.30 | 2.55 | 1.13 | 0.234 | 0.92 | 1.38 | 1.33 | 0.042 | 1.01 | 1.74 |
|   |   |   |   |   |   |   |   |   |   |   |   |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 1.38 | 0.393 | 0.66 | 2.87 | 1.60 | 0.020 | 1.08 | 2.38 | 1.00 | 0.996 | 0.53 | 1.87 |
| 1.08 | 0.825 | 0.56 | 2.06 | 0.93 | 0.677 | 0.66 | 1.32 | 0.92 | 0.727 | 0.57 | 1.48 |
| 1.20 | 0.442 | 0.76 | 1.90 | 0.95 | 0.731 | 0.72 | 1.26 | 0.95 | 0.791 | 0.64 | 1.40 |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 0.78 | 0.534 | 0.35 | 1.72 | 0.60 | 0.079 | 0.34 | 1.06 | empty |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 0.74 | 0.188 | 0.48 | 1.16 | 1.31 | 0.003 | 1.10 | 1.56 | 1.20 | 0.529 | 0.68 | 2.10 |
| 0.39 | 0.020 | 0.18 | 0.86 | 1.20 | 0.303 | 0.85 | 1.68 | 1.26 | 0.425 | 0.71 | 2.23 |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 1.30 | 0.081 | 0.97 | 1.73 | 0.91 | 0.421 | 0.07 | 0.16 | 0.96 | 0.729 | 0.75 | 1.23 |

Model 2 is adjusted for food insecurity, gender of household head, wealth quintile, country, urban geography, woman and partner's age, type of partnership, woman and partner's education, and woman and partner’s employment

## Adjusted stratified pooled model results

### Table 8. Adjusted odds ratios for associations with transactional sex in the last 12 months among women aged 15-59 in a domestic or marital partnership in six sub-Saharan African countries, stratified by food insecurity, 2016-2017 (N = 19,317)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|   |  |  **Little to no food insecurity**  |  | **Moderate to severe food insecurity** |
| Couple-level mobility |  n TS  | n No TS |  % TS (95% CI)  | aOR (95% CI); p |  n TS  | n No TS |  % TS (95% CI)  | aOR (95% CI); p |
| Neither mobile | 864 | 10,992 |  6.9 (6.3 - 7.6)  | reference |  258  | 2,472 |  10.1 (8.4 - 12.0)  | reference |
| Woman only mobile | 157 | 1,154 |  11.2 (9.1 - 13.6)  | 1.51 (1.18 - 1.95); p = 0.001 |  49  | 327 |  10.7 (6.5 - 17.2)  | 0.91 (0.50 - 1.66); p = 0.766 |
| Partner only mobile | 151 | 1,739 |  7.7 (6.3 - 9.6)  | 0.94 (0.74 - 1.20); p = 0.611 |  70  | 505 |  10.2 (6.9 - 15.1)  | 0.83 (0.49 - 1.41); p = 0.482 |
| Both mobile | 54 | 371 |  12.2 (8.6 - 16.9)  | 1.34 (0.88 - 2.04); p = 0.166 |  22  | 132 |  18.8 (8.8 - 35.8)  | 1.33 (0.50 - 3.55); p = 0.569 |

TS = Transactional Sex

aOR adjusted for covariates in Model 1: gender of household head, wealth quintile, country, urban geography, woman and partner's age, type of partnership, woman and partner's education, and woman and partner’s employment

## Sub-group analysis: adjusted pooled model results among 15-24-year-old women

### Table 9. Adjusted odds ratios for associations with transactional sex within the last 12 months among women aged 15-24 in a domestic or marital partnership in six sub-Saharan African countries, 2016-2017, Models 1 – 3 (N = 4,567)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Model 1.** |  | **Model 2. Adjusting for food insecurity** | **Model 3. Adjusting for food insecurity and its interaction effect with mobility** |
| **Characteristic** |  aOR  | p-value |  Lower  |  Upper  |   |  aOR  | p-value |  Lower  |  Upper  |  aOR  | p-value |  Lower  |  Upper  |
| **Couple-level mobility** |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Neither mobile |  ref  |  |  |  |  |  ref  |  |  |  |  |  |  |  |
| Woman only mobile | 1.36 | 0.137 | 0.91 | 2.05 |  | 1.35 | 0.150 | 0.90 | 2.03 |  |  |  |  |
| Partner only mobile | 0.89 | 0.598 | 0.58 | 1.37 |  | 0.88 | 0.578 | 0.57 | 1.37 |  |  |  |  |
| Both mobile | 1.14 | 0.727 | 0.55 | 2.36 |  | 1.14 | 0.728 | 0.55 | 2.35 |  |  |  |  |
|  **Household level** |   |   |   |   |   |   |   |   |   |   |   |   |   |
| **Food insecurity (FI) in the last month** |  |  |   |   |  |  |  |   |   |  |  |   |   |
|  Little to none  |   |   |   |   |  |  ref  |  |  |  |  ref  |  |  |  |
|  Moderate or severe  |   |   |   |   |  | 1.14 | 0.503 | 0.78 | 1.65 | 1.24 | 0.333 | 0.80 | 1.95 |
| **Mobility and FI** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Neither mobile |   |   |   |   |   |   |   |   |   |  ref  |  |  |  |
| Woman only mobile, no FI |   |   |   |   |   |   |   |   |   | 1.47 | 0.083 | 0.95 | 2.27 |
| Partner only mobile, no FI |   |   |   |   |   |   |   |   |   | 0.96 | 0.880 | 0.58 | 1.59 |
| Both mobile, no FI |   |   |   |   |   |   |   |   |   | 1.00 | 0.999 | 0.45 | 2.20 |
| Woman only mobile, FI |   |   |   |   |   |   |   |   |   | 0.68 | 0.462 | 0.24 | 1.92 |
| Partner only mobile, FI |   |   |   |   |   |   |   |   |   | 0.68 | 0.388 | 0.29 | 1.63 |
| Both mobile, FI |   |   |   |   |   |   |   |   |   | 1.74 | 0.531 | 0.31 | 9.94 |
| **Gender of head of household** |  |   |   |  |  |  |   |   |  |  |   |   |
| Male |  ref  |  |   |   |  |  ref  |  |   |   |  ref  |  |   |   |
| Female | 1.62 | 0.041 | 1.02 | 2.57 |  | 1.60 | 0.047 | 1.01 | 2.54 | 1.60 | 0.049 | 1.00 | 2.54 |
| **Wealth quintile** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Q1 |  ref  |  |   |   |  |  ref  |  |   |   |  ref  |  |   |   |
| Q2 | 0.86 | 0.456 | 0.58 | 1.27 |  | 0.87 | 0.470 | 0.58 | 1.28 | 0.86 | 0.451 | 0.58 | 1.27 |
| Q3 | 0.85 | 0.392 | 0.57 | 1.24 |  | 0.85 | 0.432 | 0.58 | 1.26 | 0.86 | 0.448 | 0.58 | 1.27 |
| Q4 | 0.88 | 0.635 | 0.52 | 1.49 |  | 0.90 | 0.687 | 0.52 | 1.53 | 0.89 | 0.668 | 0.52 | 1.52 |
| Q5 | 0.99 | 0.974 | 0.45 | 2.16 |  | 1.01 | 0.979 | 0.46 | 2.22 | 1.00 | 0.992 | 0.46 | 2.21 |
| **Country** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Eswatini |  ref  |  |  |  |  |  ref  |  |  |  |  ref  |  |  |  |
| Lesotho | 0.77 | 0.576 | 0.31 | 1.91 |  | 0.76 | 0.552 | 0.31 | 1.88 | 0.76 | 0.552 | 0.31 | 1.88 |
| Namibia | 4.26 | 0.001 | 1.77 | 10.22 |  | 4.19 | 0.001 | 1.74 | 10.06 | 4.16 | 0.001 | 1.73 | 9.99 |
| Tanzania | 1.46 | 0.404 | 0.60 | 3.52 |  | 1.45 | 0.406 | 0.60 | 3.50 | 1.46 | 0.399 | 0.60 | 3.53 |
| Uganda | 4.02 | 0.002 | 1.64 | 9.84 |  | 4.01 | 0.002 | 1.64 | 9.79 | 4.05 | 0.002 | 1.66 | 9.89 |
| Zambia | 4.97 | 0.000 | 2.17 | 11.40 |  | 5.00 | 0.000 | 2.19 | 11.44 | 5.00 | 0.000 | 2.19 | 11.46 |
| **Geography** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Rural |  ref  |  |   |   |  |  ref  |  |   |   |  ref  |  |   |   |
| Urban | 0.70 | 0.137 | 0.43 | 1.12 |  | 0.69 | 0.133 | 0.43 | 1.12 | 0.69 | 0.134 | 0.43 | 1.12 |
| **Individual level**  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Type of partnership** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Married |  ref  |  |   |   |  |  ref  |  |   |   |  ref  |  |   |   |
| Living together | 1.28 | 0.188 | 0.89 | 1.84 |  | 1.28 | 0.181 | 0.89 | 1.85 | 1.28 | 0.184 | 0.88 | 1.85 |
| **Educational level** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| None |  ref  |  |   |   |  |  ref  |  |   |   |  ref  |  |   |   |
| Primary | 0.89 | 0.529 | 0.62 | 1.28 |  | 0.89 | 0.534 | 0.62 | 1.28 | 0.90 | 0.562 | 0.63 | 1.29 |
| Secondary or greater | 0.82 | 0.473 | 0.47 | 1.42 |  | 0.82 | 0.484 | 0.47 | 1.43 | 0.82 | 0.495 | 0.47 | 1.44 |
| **Employed in past 12 months** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| No |  ref  |  |   |   |  |  ref  |  |   |   |  ref  |  |   |   |
| Yes | 1.54 | 0.006 | 1.13 | 2.11 |  | 1.54 | 0.007 | 1.13 | 2.11 | 1.55 | 0.006 | 1.13 | 2.11 |
|  **Partner level**  |   |   |   |   |   |   |   |   |   |   |   |   |   |
| **Age group** |  |  |   |   |  |  |  |   |   |  |  |   |   |
| 15-24 | 4.86 | 0.035 | 1.12 | 21.09 |  | 4.93 | 0.033 | 1.14 | 21.28 | 5.02 | 0.030 | 1.16 | 21.66 |
| 25-34 | 3.29 | 0.116 | 0.74 | 14.57 |  | 3.34 | 0.110 | 0.76 | 14.69 | 3.40 | 0.104 | 0.78 | 14.91 |
| 35-44 | 3.94 | 0.078 | 0.86 | 18.07 |  | 3.98 | 0.074 | 0.87 | 18.14 | 4.05 | 0.071 | 0.89 | 18.49 |
| 45-59 |  ref  |  |  |  |  |  ref  |  |  |  |  ref  |  |  |  |
| 60+ |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Partner's educational level** |  |  |   |   |  |  |  |   |   |  |  |   |   |
| None |  ref  |  |   |   |  |  ref  |  |   |   |  ref  |  |   |   |
| Primary | 1.33 | 0.105 | 0.94 | 1.88 |  | 1.34 | 0.098 | 0.95 | 1.90 | 1.34 | 0.097 | 0.95 | 1.90 |
| Secondary or greater | 1.17 | 0.552 | 0.69 | 1.98 |  | 1.18 | 0.535 | 0.70 | 2.00 | 1.19 | 0.520 | 0.70 | 2.02 |
| **Partner employed in past 12 months** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| No |  ref  |  |   |   |  |  ref  |  |   |   |  ref  |  |   |   |
| Yes | 1.06 | 0.692 | 0.79 | 1.42 |  | 1.06 | 0.684 | 0.79 | 1.42 | 1.06 | 0.703 | 0.79 | 1.42 |

Model 1 is adjusted for gender of household head, wealth quintile, country, urban geography, woman and partner's age, type of partnership, woman and partner's education, and woman and partner’s employment

Model 2 is adjusted for food insecurity, gender of household head, wealth quintile, country, urban geography, woman and partner's age, type of partnership, woman and partner's education, and woman and partner’s employment

Model 3 is adjusted for the main effect of food insecurity and the interaction effect of mobility and food insecurity, gender of household head, wealth quintile, country, urban geography, woman and partner's age, type of partnership, woman and partner's education, and woman and partner’s employment

Goodness-of-fit tests

Model 1: F = 0.47, p = 0.895

Model 2: F = 0.51, p = 0.866

Model 3: F = 0.75, p = 0.670

Adjusted wald test for interaction of mobility and food insecurity: F = 0.76, p = 0.6204