**Table A1. Transformation and recoding of empowerment items**

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| **Household Decision-Making** | | | | | | | | |
| **item** | **Questions** | | **Codes** | | **Recording** | | | **Scale** |
| decision\_medical | Who usually decides on women’s health care? | | Respondent alone=1; husband/partner alone=2 Respondent and husband/partner jointly=3; Someone else=4 | | Respondent alone =1; Jointly= 0; Partner or other alone­= -1 | | | Nominale |
| decision\_major | Who usually makes decisions about making large household purchases? | | Respondent alone=1; husband/partner alone=2 Respondent and husband/partner jointly=3; Someone else=4 | | Respondent alone =1; Jointly= 0; Partner or other alone­= -1 | | | Nominale |
| decision\_daily | Who usually makes decisions about making household purchases for daily needs? | | Respondent alone=1; husband/partner alone=2 Respondent and husband/partner jointly=3; Someone else=4 | | Respondent alone =1; Jointly= 0; Partner or other alone­= -1 | | | Nominale |
| decision\_clothes | Who usually makes decisions about buying women’s clothes? | | Respondent alone=1; husband/partner alone=2 Respondent and husband/partner jointly=3; Someone else=4 | | Respondent alone =1; Jointly= 0; Partner or other alone­= -1 | | | Nominale |
| Decide\_spending\_partner | Who usually makes decisions about how husband’s earnings will be used? | | Respondent alone=1; husband/partner alone=2 Respondent and husband/partner jointly=3; Someone else=4 | | Respondent alone =1; Jointly= 0; Partner or other alone­= -1 | | | Nominale |
| **Partner/husband influence** | | | | | | | | |
| **item** | **Questions** | | **Codes** | | **Recording** | | **Scale** | |
| partner\_fp\_sad\_12m | Has your husband/partner made you feel bad or treated you badly for wanting to use a FP method to delay or prevent pregnancy? | | No=0 ; Yes=1 | | No=1 ;  Don’t Know=0 ; Yes=-1 | | Nominale | |
| partner\_force\_sex\_12m | Has your husband/partner Tried to force or pressure you to become pregnant? | | No=0 ; Yes=1 | | No=1 ; Don’t Know=0 ; Yes=-1 | | Nominale | |
| partner\_abandon\_12m | Has your husband/partner Said he would leave you if you did not get pregnant? | | No=0 ; Yes=1 | | No=1 ; Don’t Know=0 ; Yes=-1 | | Nominale | |
| partner\_cheat\_12m | Has your husband/partner Told you he would have a baby with someone else if you did not get pregnant? | | No=0 ; Yes=1 | | No=1 ; Don’t Know=0 ; Yes=-1 | | Nominale | |
| partner\_fp\_take\_12m | Taken away your family planning or kept you from going to the clinic to get family planning? | | No=0 ; Yes=1 | | No=1 ; Don’t Know=0 ; Yes=-1 | | Nominale | |
| last\_sex\_not\_want | At the last time you had sex, did you want to have it at that time? | | No=0 ; Yes=1 | | No=1 ; Don’t Know=0 ; Yes=-1 | | Nominale | |
| last\_sex\_pressured | At the last time you had sex, were you felt pressured by your husband / partner to have sex then? | | No=0 ; Yes=1 | | No=1 ; Don’t Know=0 ; Yes=-1 | | Nominale | |
| last\_sex\_not\_consent | At the last time you had sex, do you consent (was forced) to have sex then? | | No=0 ; Yes=1 | | No=1 ; Don’t Know=0 ; Yes=-1 | | Nominale | |
| last\_sex\_duress | At the last time you had sex, have you felt at risk of physical violence if you declined to have sex at that time? | | No=0 ; Yes=1 | | No=1 ; Don’t Know=0 ; Yes=-1 | | Nominale | |
| **Contraception utilization** | | | | | | | | |
| **item** | | **Questions** | | **Codes** | **Recoding** | **Scale** | | |
| Seek\_partner | | If I use family planning, my husband/partner may seek another sexual partner | | Strongly disagree =1; Disagree= 2; Neither agree nor disagree= 3; Agree=4; Strongly agree= 5; Do not know=-88; No response=-99 | Strongly disagree or disagree=1; Neither agree or don’t know=0; Agree or strongly agree=-1 | Nominale | | |
| trouble\_preg | | If I use family planning, I may have trouble getting pregnant the next time I want to | | Strongly disagree =1; Disagree= 2; Neither agree nor disagree= 3; Agree=4; Strongly agree= 5; Do not know=-88; No response=-99 | Strongly disagree or disagree=1; Neither agree or don’t know=0; Agree or strongly agree=-1 | Nominale | | |
| will\_conflict | | There will be conflict in my relationship/marriage if I use family planning | | Strongly disagree =1; Disagree= 2; Neither agree nor disagree= 3; Agree=4; Strongly agree= 5; Do not know=-88; No response=-99 | Strongly disagree or disagree=1; Neither agree or don’t know=0; Agree or strongly agree=-1 | Nominale | | |
| abnormal\_birth | | If I use family planning, my children may not be born normal | | Strongly disagree =1; Disagree= 2; Neither agree nor disagree= 3; Agree=4; Strongly agree= 5; Do not know=-88; No response=-99 | Strongly disagree or disagree=1; Neither agree or don’t know=0; Agree or strongly agree=-1 | Nominale | | |
| body\_side\_effects | | If I use family planning, my body may experience side effects that will disrupt my relations with my husband/partner | | Strongly disagree =1; Disagree= 2; Neither agree nor disagree= 3; Agree=4; Strongly agree= 5; Do not know=-88; No response=-99 | Strongly disagree or disagree=1; Neither agree or don’t know=0; Agree or strongly agree=-1 | Nominale | | |
| switch\_fp | | I can decide to switch from one family planning method to another if I want to | | Strongly disagree =1; Disagree= 2; Neither agree nor disagree= 3; Agree=4; Strongly agree= 5; Do not know=-88; No response=-99 | Strongly disagree or disagree=1; Neither agree or don’t know=0; Agree or strongly agree=-1 | Nominale | | |