Table S1: Bivariate associations between individual demographic and psychosocial factors with early ANC initiation among the women (N=829).

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| --- | --- | --- | --- | --- | --- |
| **Urban site**  | **N****(% Early ANC initiation)** | **OR****(95%CI)** | **Rural site** | **N****(% Early ANC initiation)** | **OR****(95%CI)** |
| **Age**18-24 25-34 35-44  | n=75(16%)n=203(44%)n=188(40%) | 27 (36)86 (42)103 (55) | -1.3(0.8-2.3)2.2(1.2-3.7) | **Age**18-2425-3435-44 | n=75(21%)n=149(39%)n=139(38%) | 31 (41)64 (43)70 (50) | -1.1(0.6-1.9)1.4(0.8-2.5) |
| **Marital Status**Married Not married  | n=120(27%)n=326(73%) | 69 (58)134 (41) | 1.9(1.3-3.0) | **Marital Status**MarriedNot married | n=119(33%)n=244(67%) | 64 (54)101 (41) | 1.7(1.1-2.6) |
| **Employed**Yes No  | n=211(45%)n=255(55%) | 113 (54)103 (40) |  1.7(1.2-2.5) | **Employed**YesNo | n=295(81%)n=68(19%) | 131 (44)34 (50) |  0.8(0.5-1.4) |
| **Education**Below Grade 9 Grade 9 and above  | n=426(91%)n=40(9%) | 196 (46)20 (50)  | 1.2(0.6-2.2) | **Education**Below Grade 9Grade 9 and above | n=262(72%)n=101(28%) | 117 (45)48 (48) | 1.1(0.7-1.8) |
| **Race**Black/African Coloured  | n=378(87%)n=56(13%) | 166 (44)28 (50) | 1.3(0.7-2.2) | **Race**Black/AfricanColoured | n=30(8%)n=329(92%) | 11 (37)152 (46) | 1.5(0.7-3.2) |
| **Miscarriage**Never Previous miscarriage  | n=363(78%)n=103(22%)  | 160 (44)56 (54) | 1.5(1.0-2.4) | **Miscarriage**NeverAt least 1 miscarriage | n=283(78%)n= 79(22%) | 125 (44)39 (49) | 1.2(0.8-2.0) |
| **Parity**0-1 child More than one child  | n=168(36%)n=298(64%) | 72 (48)144 (43) | 1.3(0.9-1.8) | **Parity**0-1 childMore than one child | n=123(34%)n=240(66%) | 50 (41)115 (48) | 1.3(0.9-2.1) |
| **Desire**Yes No  | n=321(69%)n=145(31%) | 161 (50)55 (38) | 1.7(1.1-2.5) | **Desire**YesNo | n=290(80%)n=73(20%) | 142 (49)23 (32) | 2.1(1.2-3.6) |
| **Social Support***Positive social interaction*Strong Weak *Affectional support*Strong Weak *Emotional support*Strong Weak  | n=190(41%)n=276(59%)n=192(41%)n=274(59%)n=111(24%)n=355(76%) | 95 (50)121 (44)97 (51)119 (44)51 (46)165 (46) | 1.3(0.9-1.9)1.3(0.9-1.9)1.0(0.6-1.5) | **Social Support***Positive social interaction*StrongWeak*Affectional support*StrongWeak*Emotional support*StrongWeak | n=139(38%)n=224(62%)n=155(43%)n=208(57%)n=84 23%)n=279(77%) | 72 (52)93 (42)78 (50)87 (42)46 (50)119 (42) | 1.5(1.0-2.3)1.4(0.9-2.1)1.6(1.0-2.7) |
| **Social Capital**Strong Weak  | n=121(26%)n=345(74%) | 59 (49)157 (46) | 1.1(0.8-1.7) | **Social Capital**StrongWeak | n=146(40%)n=217(60%) | 62 (43)103 (48) | 0.8(0.5-1.3) |
| **Mental Health**High Low  | n=133(29%)n=333(71%) | 64 (48)152 (46) | 1.1(0.7-1.7) | **Mental Health**HighLow | n=270(74%)n=93(26%) | 119 (44)46 (49) | 0.8(0.5-1.3) |
| **Cultural Influences***Male entitlement*Agree Disagree *Wrong to not have children*Agree Disagree *Female Worth*Agree Disagree *Male Worth*Agree Disagree  | n=176(38%)n=289(62%)n=190(41%)n=274(59%)n=310(67%)n=155(33%)n=297(64%)n=168(36%) | 78 (44)138 (48)92 (48)124 (45)145 (47)71 (46)138 (47)78 (47) | 0.9(0.6-1.3)1.1(0.8-1.7)1.0(0.7-1.5)1.0(0.7-1.5) | **Cultural Influences***Male entitlement*AgreeDisagree*Wrong to not have children*AgreeDisagree*Female Worth*AgreeDisagree*Male Worth*AgreeDisagree | n=88(24%)n=275(76%)n=120(33%)n=243(67%)n=306(84%)n=57(16%)n=299(82%)n=64(18%) | 42 (48)123 (45)114 43)51 (47)143 (47)22 (39)139 (46)26 (41) | 1.1(0.7-1.8)0.8(0.5-1.3)1.4(0.8-2.5)1.3(0.7-2.2) |
| **Self Esteem**High Low  | n=116(25%)n=350(75%) | 54 (47)162 (46) | 1.0(0.7-1.5) | **Self Esteem**HighLow | n=93(26%)n=270(74%) | 43 (46)122 (45) | 1.0(0.7-1.7) |
| **Religious Orientation**Highly religious Not religious  | n=131(28%)n=355(76%) | 69 (53)146 (44) | 1.4(1.0-2.1) | **Religious Orientation**Highly religiousNot religious | n=122(31%)n=247(69%) | 41 (37)123 (50) | 0.6(0.4-0.9) |
| **Partner Characteristics***Age*Older than 29yrs Younger than 29yrs *Employed*Yes No *Education*Below Grade 9 Grade 9 and above  | n=419 (90%)n=47 (10%)n=319 (68%)n=147 (32%)n=91 (21%)n=342(79%) | 202 (48)14 (30)165 (52)51 (35)44 (48)157 (46) | 2.2(1.1-4.2)2.0(1.4-3.0)0.9(0.6-1.4) | **Partner Characteristics***Age*Older than 29yrsYounger than 29yrs*Employed*YesNo*Education*Below Grade 9Grade 9 and above | n=182(50%)n=181(50%)n=305(84%)n=58(16%)n=221(68%)n=103(32%) | 87 (48)78 (43)143 (47)22 (38)91 (41)56 (54) | 1.2(0.8-1.8)1.4(0.8-2.6)1.5(0.9-2.5) |
| *Father of the child present*Yes No  | n=418 (90%)n=48 (10%) | 17 (48)199 (35) | 1.7(0.9-3.1) | *Father of the child present*YesNo | n=327(90%)n=36(10%) | 154 (47)11 (31) | 2.0(1.0-4.3) |
| **Substance Use***Ever smoked*YesNo*Ever drank alcohol*Yes No  *AUDIT*Score$ \geq 8$ Score$ <8$  | n=86(19%)n=378(81%)n=177(38%)n=288(62%)n=31(7%)n=435(93%) | 43 (50)173 (46)86 (49)129 (45)14 (45)202 (46) | 1.2(0.7-1.9)1.2(0.8-1.7)0.9(0.5-2.0) | **Substance Use***Ever smoked*YesNo*Ever drank alcohol*YesNo*AUDIT*Score$ \geq 8$Score$ <8$ | n=104(29%)n=259(71%)n=265(73%)n=98(27%)n=318(88%)n=45(12%) | 110 (42)55 (53)115 (43)50 (51)140 (44)25 (56) | 0.7(0.4-1.0)0.7(0.5-1.2)0.6(0.3-1.2) |

Note: Bivariate analyses of associations between individual demographic and psychosocial factors with early initiation among the women aged 18-44 years who reported ever being pregnant (N=829): comparison for early booking.