

Appendices for
**What a (Young) Woman Wants: Concurrent Effects of Desire to Avoid Pregnancy and
Desire for Sex on Sexual Intercourse and Contraceptive Use**

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Table A1 Multivariable Linear Regression with Random Effects Predicting Sexual Intercourse and Hormonal and Coital Contraceptive Use, Relationship Dynamics and Social Life

	Had Sex This Week		Used Hormonal Method		If Had Sex Used Coital Method	
Desire to avoid pregnancy ^a	-0.01*** (0.002)	-0.01*** (0.002)	0.02*** (0.002)	0.02*** (0.002)	0.05*** (0.004)	0.04*** (0.004)
Desire for sex in the next year ^a	0.03*** (0.003)	0.03*** (0.003)	0.02*** (0.002)	0.02*** (0.002)	-0.02*** (0.01)	-0.02** (0.01)
Interaction						
Desire to avoid pregnancy * Desire for sex	-	0.001 (0.002)	-	0.01*** (0.002)	-	0.01*** (0.003)
Constant	1.02 (0.62)	1.02 (0.62)	-5.40*** (0.57)	-5.38*** (0.57)	-0.79 (1.61)	-0.73 (1.60)
Observations	54,872	54,872	54,069	54,069	9,345	9,345
Number of respondents	924	924	923	923	636	636

Notes: Models control for all time-varying and time-invariant demographic background and social environmental characteristics. Models predicting coital contraceptive use include women who were not using a hormonal contraceptive method. Standard errors in parentheses.

^a Measured as 0-5 in increasing desire and standardized to make coefficients comparable in terms of standard deviations.

*** p<0.001, ** p<0.01— (two-tailed tests)

Table A2 Multivariable Linear Regression with Fixed Effects Predicting Sexual Intercourse and Hormonal and Coital Contraceptive Use by Desire to Avoid Pregnancy and Desire for Sex, Among Women with Varying Outcome Reports, Relationship Dynamics and Social Life Study

	Had Sex This Week		Used Hormonal Method		If Had Sex Used Coital Method	
Desire to avoid pregnancy ^a	-0.01** (0.003)	-0.01*** (0.003)	0.02*** (0.003)	0.02*** (0.003)	0.05*** (0.01)	0.04*** (0.01)
Desire for sex in the next year ^a	0.04*** (0.003)	0.04*** (0.003)	0.02*** (0.004)	0.02*** (0.004)	-0.04*** (0.01)	-0.04** (0.01)
Desire to avoid pregnancy x Desire for sex	-	0.006* (0.002)	-	0.01*** (0.003)	-	0.01 (0.005)
Constant	1.35 (0.83)	1.36 (0.83)	-7.74*** (0.93)	-7.66*** (0.93)	-0.15 (2.66)	-0.02 (2.66)
Observations	41,065	41,065	33,184	33,184	5,587	5,587
Number of respondents	699	699	541	541	254	254

Notes: Models include only women who vary in their outcome reports during the study; for example, the model predicting sex only includes women who reported having sex and reported not having sex in at least one week each during the study. This allows each woman to act as her own control case. Models control for all time-varying and time-invariant demographic background and social environmental characteristics. Models predicting coital contraceptive use include women who were not using a hormonal contraceptive method. Standard errors in parentheses.

^a Measured as 0-5 in increasing desire and standardized to make coefficients comparable in terms of standard deviations.

*** p<.001, ** p<.01— (two-tailed tests)

Figure A1 Predicted Probabilities of Sexual Intercourse, Hormonal Contraceptive Use, and Coital Contraceptive Use by Desire to Avoid Pregnancy and Desire for Sex, Among Women with Varying Outcome Reports, Relationship Dynamics and Social Life Study

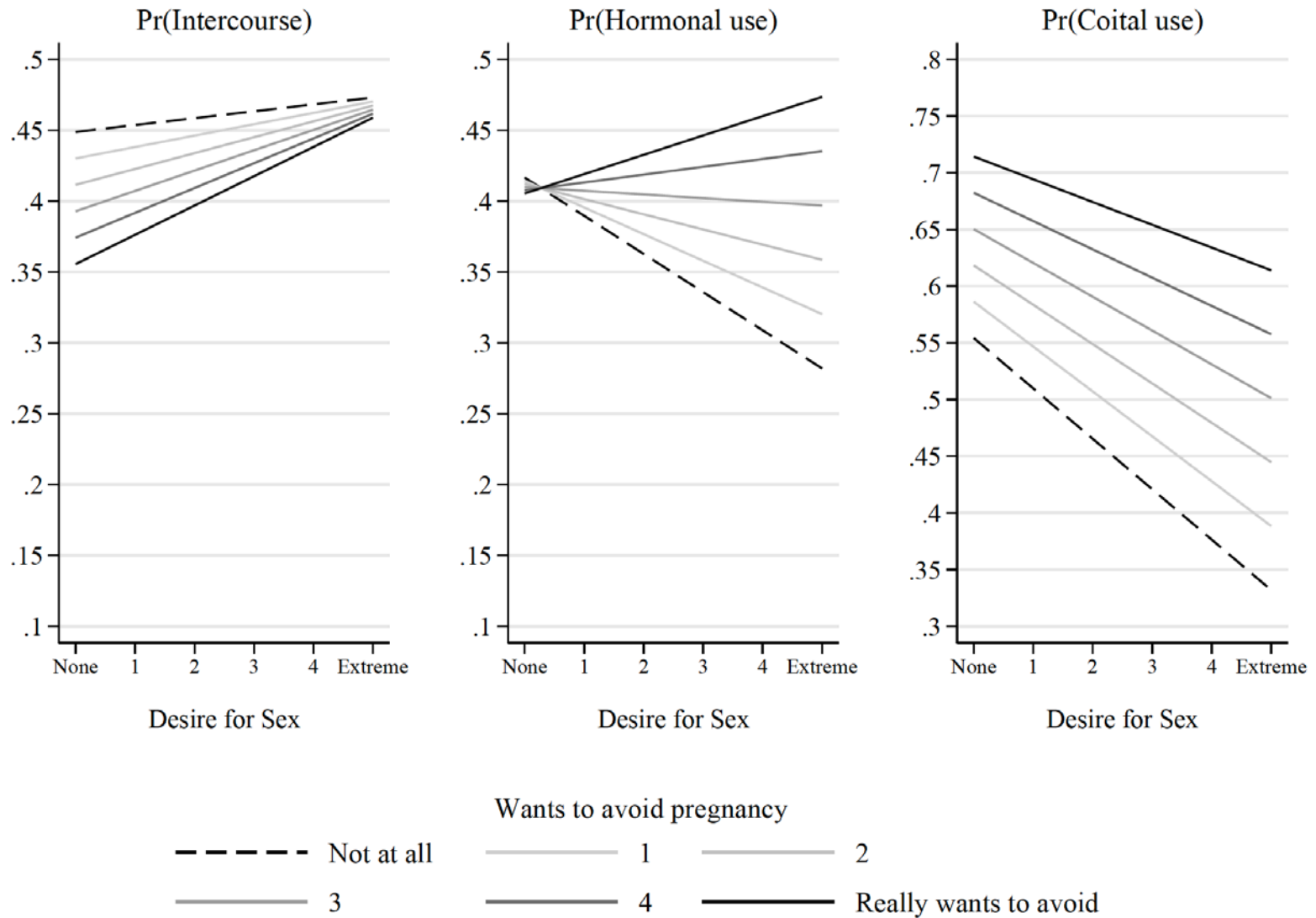


Table A3 Multivariable Linear Regression with Fixed Effects Predicting Sexual Intercourse and Hormonal and Coital Contraceptive Use, Among Black Respondents, Relationship Dynamics and Social Life Study

	Had Sex This Week		Used Hormonal Method		If Had Sex Used Coital Method	
Desire to avoid pregnancy ^a	-0.01 (0.004)	-0.01 (0.004)	0.01* (0.003)	0.01* (0.004)	0.02** (0.01)	0.02** (0.01)
Desire for sex in the next year ^a	0.03*** (0.01)	0.03*** (0.01)	0.01** (0.004)	0.01** (0.003)	-0.05*** (0.01)	-0.05*** (0.01)
Desire to avoid pregnancy x Desire for sex	-	0.003 (0.004)	-	0.001 (0.003)	-	0.002 (0.01)
Constant	-0.06* (0.03)	-0.06* (0.03)	0.05 (0.03)	0.05 (0.03)	1.04*** (0.14)	1.04*** (0.14)
Observations	14,685	14,685	14,334	14,334	2,609	2,609
Number of respondents	314	314	314	314	219	219

Notes: Models control for all time-varying demographic background and social environmental characteristics. Models predicting coital contraceptive use include women who were not using a hormonal contraceptive method. Standard errors in parentheses.

^a Measured as 0-5 in increasing desire and are standardized to make coefficients comparable in terms of standard deviations.

*** p<0.001, ** p<0.01, * p<0.05— (two-tailed tests)

Table A4 Multivariable Linear Regression with Fixed Effects Predicting Sexual Intercourse and Hormonal and Coital Contraceptive Use, Among White Respondents ^a, Relationship Dynamics and Social Life Study

	Had Sex This Week		Used Hormonal Method		If Had Sex Used Coital Method	
Desire to avoid pregnancy ^b	-0.01*** (0.003)	-0.01*** (0.003)	0.02*** (0.002)	0.02*** (0.003)	0.05*** (0.004)	0.05*** (0.01)
Desire for sex in the next year ^b	0.03*** (0.003)	0.03*** (0.003)	0.02*** (0.003)	0.02*** (0.02)	-0.02* (0.01)	-0.01 (0.01)
Desire to avoid pregnancy x Desire for sex	-	0.004 (0.003)	-	0.01*** (0.002)	-	0.01** (0.004)
Constant	-0.08*** (0.02)	-0.07*** (0.02)	0.04* (0.02)	0.04* (0.02)	0.82*** (0.09)	0.83*** (0.09)
Observations	40,179	40,179	39,733	39,733	6,735	6,735
Number of respondents	610	610	609	609	417	417

Notes: Models control for all time-varying demographic background and social environmental characteristics. Models predicting coital contraceptive use include women who were not using a hormonal contraceptive method. Standard errors in parentheses.

^a Women who identify neither as Black nor White constitute 3% of the sample and are included with white women. Results are substantively the same with only white women. ^b Measured as 0-5 in increasing desire and are standardized to make coefficients comparable in terms of standard deviations.

*** p<0.001, ** p<0.01, * p<0.05— (two-tailed tests)

Table A5 Multivariable Multinomial Regression Predicting Sexual Intercourse and Hormonal and Coital Contraceptive Use Jointly, Relationship Dynamics and Social Life Study

	No Sex This Week	Had Sex, No Contra- ception	Sex With Coital Method Only	Sex With Hormonal Method Only	Sex with Hormonal & Coital Method
<i>Reference: No sex this week</i>					
Desire to avoid pregnancy	--	-0.31*** (0.06)	0.01 (0.06)	0.29* (0.14)	0.30*** (0.08)
Desire for sex in the next year	--	0.74*** (0.12)	0.37*** (0.06)	0.83*** (0.13)	0.55*** (0.08)
Constant	--	42.28 (29.12)	10.54 (19.59)	-5.20 (27.77)	-20.63 (21.04)
<i>Reference: Sex without contraceptives</i>					
Desire to avoid pregnancy	0.31*** (0.06)	--	0.32*** (0.06)	0.60*** (0.14)	0.61*** (0.08)
Desire for sex in the next year	-0.74*** (0.12)	--	-0.37** (0.11)	0.09 (0.15)	-0.20 (0.13)
Constant	-42.28 (29.12)	--	-31.74 (30.56)	-47.48 (39.70)	-62.91 (34.41)
<i>Reference: Sex with coital method only</i>					
Desire to avoid pregnancy	-0.01 (0.06)	-0.32*** (0.06)	--	0.28* (0.14)	0.29*** (0.08)
Desire for sex in the next year	-0.37*** (0.06)	0.37** (0.11)	--	0.46*** (0.13)	0.17* (0.08)
Constant	-10.54 (19.59)	31.74 (30.56)	--	-15.74 (32.54)	-31.17 (25.98)
<i>Reference: Sex with hormonal method only</i>					
Desire to avoid pregnancy	-0.29* (0.14)	-0.60*** (0.14)	-0.28* (0.14)	--	0.02 (0.13)
Desire for sex in the next year	-0.83*** (0.13)	-0.09 (0.15)	-0.46*** (0.13)	--	-0.28* (0.13)
Constant	5.20 (27.77)	47.48 (39.70)	15.74 (32.54)	--	15.43 (31.23)
<i>Reference: Sex with hormonal & coital</i>					
Desire to avoid pregnancy	-0.30*** (0.08)	-0.61*** (0.08)	-0.29*** (0.08)	-0.02 (0.13)	--
Desire for sex in the next year	-0.55*** (0.08)	0.20 (0.13)	-0.17* (0.08)	0.28* (0.13)	--
Constant	20.63 (21.04)	62.91 (34.41)	31.17 (25.98)	15.43 (31.23)	--
Observations	54,872	54,872	54,872	54,872	54,872
Number of respondents	924	924	924	924	924

Notes: Models control for all time-varying demographic background and social environmental characteristics. Desire to avoid pregnancy (i.e. pregnancy disinclination) and desire for sex are measured as 0-5 in increasing desire and are standardized to make coefficients comparable in terms of standard deviations. Standard errors in parentheses.

*** p<0.001, ** p<0.01, * p<0.05— (two-tailed tests)