Table A1. Results of formal mediation analysis estimated with seemingly unrelated regressions with bootstrapped standard errors accounting for past behavior

	Sexual Intercourse (N = 39,806 weeks)			Hormonal Use (N = 40,433 weeks)			Condom Only (N = 11,645 weeks)		
	β	SE	Sig	β	SE	Sig	β	SE	Sig
Sexual and Contraceptive History Mediators									
Had sex before this week				-.033	0.001	***			
Ever used hormonal methods before	-.011	0.001	***				.015	0.002	***
Total indirect effect (through mediators)	-.011	0.001	***	-.033	0.001	***	.015	0.002	***
Religiosity's direct effect	-.051	0.002	***	-.053	0.003	***	.003	0.006	

Notes: Condom use is estimated in weeks when women are not using hormonal contraception. All models adjust for denomination and the full set of controls listed in Table 1 and use 100 bootstrap replications and bias corrected and accelerated confidence intervals. Predictors are lagged by one week. †$p < .10$; *$p < .05$; **$p < .01$; ***$p < .001$

Table A2. Results of multinomial logistic regression estimating intercourse and contraceptive use jointly

	No sex this week			Sex without contra.			Sex with condoms only			Sex with hormonal only			Sex with condoms & hormonal		
	RRR	SE	Sig.	RRR	SE	Sig.	RRR	SE	Sig.	RRR	SE	Sig.	RRR	SE	Sig.
Reference: No Sex this Week															
Religiosity (range, 1-5)	--	--		0.60	0.10	**	0.71	0.08	**	0.62	0.09	**	0.58	0.08	***
Constant	--	--		0.00	0.01	*	0.01	0.01	**	0.03	0.06	†	17.54	31.88	
Reference: Sex without contraception															
Religiosity (range, 1-5)	1.65	0.28	**	--	--		1.17	0.19		1.03	0.18		0.96	0.18	
Constant	260.39	726.69	*	--	--		2.02	5.96		7.69	23.22		4566.97	14317.48	**
Reference: Sex with condom only															
Religiosity (range, 1-5)	1.42	0.15	**	0.86	0.14		--	--		0.88	0.13		0.82	0.11	†
Constant	129.14	206.58	**	0.50	1.47		--	--		3.81	8.19		2264.95	4594.78	***
Reference: Sex with hormonal only															
Religiosity (range, 1-5)	1.60	0.22	**	0.97	0.17		1.13	0.17		--	--		0.93	0.14	
Constant	33.87	64.01	†	0.13	0.39		0.26	0.56		--	--		593.96	1310.50	**
Reference: Sex with condom & hormonal															
Religiosity (range, 1-5)	1.72	0.22	***	1.04	0.19		1.22	0.16		1.07	0.16		--	--	
Constant	0.06	0.10		0.00	0.00	**	0.00	0.00	***	0.00	0.00	**	--	--	
Weeks	28,333			1,309			2,704			3,414			2,215		
Women	454			25			77			63			58		

Notes: Results presented as relative risk ratios. N = 37,975 weeks across 677 women. Model controls for women's denomination and demographic controls. Standard errors clustered by respondent. †$p < .10$; *$p < .05$; **$p < .01$; ***$p < .001$

Table A3. Results of linear probability models with random effects estimating sexual intercourse

	Model 1			Model 2			Model 3			Model 4			Model 5			Model 6			Model 7		
	β	SE	Sig.	β	SE	Sig.	β	SE	Sig.	β	SE	Sig.	β	SE	Sig.	β	SE	Sig.	β	SE	Sig.
Religiosity and Religion																					
Religiosity (range, 1-5)	-0.06	0.01	***	-0.05	0.01	***	-0.05	0.01	***	-0.06	0.01	***	-0.05	0.01	***	-0.01	0.01		-0.05	0.01	***
Denomination (ref: Other Christian)																					
Catholic	0.02	0.03		0.02	0.03		0.02	0.03		0.02	0.03		0.02	0.03		0.04	0.03		0.02	0.03	
Baptist	-0.01	0.03		-0.01	0.03		-0.01	0.02		-0.01	0.03		-0.02	0.02		0.00	0.02		-0.02	0.02	
Lutheran	0.00	0.05		0.00	0.05		-0.01	0.05		0.00	0.05		0.00	0.05		0.00	0.05		0.00	0.05	
Methodist	0.03	0.05		0.03	0.04		0.04	0.04		0.03	0.04		0.03	0.04		0.02	0.04		0.03	0.04	
Evangelical	-0.12	0.06	*	-0.11	0.06	†	-0.10	0.06	†	-0.11	0.06	†	-0.12	0.06	*	-0.08	0.06		-0.11	0.06	†
Pentecostal	-0.06	0.04		-0.06	0.04		-0.05	0.04		-0.06	0.04		-0.06	0.04		-0.02	0.04		-0.04	0.04	
Protestant	-0.01	0.04		0.00	0.04		0.00	0.04		-0.01	0.04		-0.01	0.04		0.01	0.04		-0.01	0.04	
Mediators:																					
Family Environment																					
Parents' approval of sex (range, 0-5)				0.01	0.00	***															
Parents at home after school (range, 1-5)				0.00	0.01																
Two parent household				0.01	0.02																
Lived with parent at baseline				-0.07	0.02	***															
Number of sex topics covered by parents (range, 0-5)				0.01	0.01	*															
Friend Environment																					
Friends' approval of sex (range, 0-5)							0.01	0.00	***												
Many or all friends are having sex							0.05	0.01	***												
Friends' approval of sex no birth control (range, 0-5)							0.01	0.00	***												
Moral Order and Learned Competencies																					
Stop herself if aroused (range, 0-3)										-0.01	0.00	***									
Willingness to refuse sex (range, 0-5)										0.00	0.00	*									
Self-esteem (range, 0-4)										-0.02	0.02										
Attitudes																					
Birth control is morally wrong (range, 0-4)													0.00	0.00							
Birth control takes too much planning (range, 0-4)													0.01	0.00	*						
Disapproves of premarital sex (range, 1-5)													-0.01	0.00	***						
Motherhood is most fulfilling role (range, 1-5)													0.00	0.00	†						
Desire for pregnancy (range, 0-5)													0.02	0.00	***						
Emotions																					
Anticipated guilt after sex (range, 1-5)																-0.07	0.01	***			
Sexual and Contraceptive History																					
Ever used hormonal methods before																			0.10	0.01	***
Controls																					
Black	-0.01	0.02		-0.02	0.02		-0.02	0.02		0.00	0.02		-0.01	0.02		-0.04	0.02	†	-0.01	0.02	
Age	0.01	0.00	**	0.01	0.00	*	0.00	0.00		0.01	0.00	**	0.01	0.00	**	0.01	0.00	**	-0.01	0.00	*
Mother was teenage mom	0.04	0.02	†	0.03	0.02		0.03	0.02		0.04	0.02	†	0.03	0.02		0.00	0.02		0.03	0.02	
Mother had some college or less	0.04	0.02	†	0.03	0.02		0.04	0.02	†	0.04	0.02	†	0.04	0.02	†	0.04	0.02	*	0.04	0.02	*
Relationship status (ref: no relationship)																					
Engaged	0.39	0.01	***	0.39	0.01	***	0.39	0.01	***	0.39	0.01	***	0.39	0.01	***	0.39	0.01	***	0.39	0.01	***
Special Relationship	0.37	0.00	***	0.37	0.00	***	0.37	0.00	***	0.37	0.00	***	0.37	0.00	***	0.37	0.00	***	0.37	0.00	***
Relationship duration in weeks	0.00	0.00	*	0.00	0.00	*	0.00	0.00	**	0.00	0.00	*	0.00	0.00	*	0.00	0.00	*	0.00	0.00	*
Enrolled in college	-0.02	0.01	***	-0.02	0.01	***	-0.02	0.01	**	-0.02	0.01	**	-0.02	0.01	**	-0.02	0.01	**	-0.02	0.01	***
Constant	0.18	0.07	*	0.20	0.08	**	0.21	0.07	**	0.24	0.09	**	0.17	0.07	*	0.24	0.07	***	0.34	0.07	***
sigma_u	0.22			0.22			0.21			0.22			0.22			0.21			0.22		
sigma_e	0.31			0.31			0.31			0.31			0.31			0.31			0.31		
rho	0.22			0.22			0.21			0.22			0.22			0.21			0.22		

Notes: N=39,806 weeks and 680 women. All predictors are lagged one week. †p<.10; *p < .05; **p < .01; ***p < .001

Table A4. Results of linear probability models with random effects estimating hormonal contraceptive use

	Model 8			Model 9			Model 10			Model 11			Model 12			Model 13			Model 14		
	β	SE	Sig.	β	SE	Sig.	β	SE	Sig.	β	SE	Sig.	β	SE	Sig.	β	SE	Sig.	β	SE	Sig.
Religiosity and Religion																					
Religiosity (range, 1-5)	-0.07	0.02	***	-0.07	0.02	***	-0.06	0.02	***	-0.07	0.02	***	-0.06	0.02	***	-0.04	0.02	*	-0.04	0.02	*
Denomination (ref: Other Christian)																					
Catholic	-0.01	0.04		-0.02	0.04		-0.01	0.04		0.00	0.04		-0.01	0.04		0.00	0.04		-0.01	0.04	
Baptist	-0.02	0.04		-0.02	0.04		-0.02	0.04		-0.02	0.04		-0.02	0.03		-0.01	0.04		-0.01	0.04	
Lutheran	0.05	0.07		0.03	0.07		0.05	0.07		0.04	0.07		0.04	0.07		0.05	0.07		0.05	0.07	
Methodist	-0.03	0.07		-0.04	0.06		-0.03	0.06		-0.02	0.07		-0.03	0.06		-0.04	0.06		-0.01	0.06	
Evangelical	-0.08	0.08		-0.07	0.08		-0.08	0.08		-0.10	0.08		-0.07	0.08		-0.06	0.08		-0.02	0.08	
Pentecostal	-0.17	0.06	**	-0.17	0.06	**	-0.17	0.06	**	-0.18	0.06	**	-0.16	0.06	**	-0.14	0.06	*	-0.16	0.06	*
Protestant	0.00	0.05		0.00	0.05		0.01	0.05		0.01	0.05		0.01	0.05		0.02	0.05		0.01	0.05	
Mediators:																					
Family Environment																					
Parents' approval of sex (range, 0-5)				0.01	0.00	**															
Parents at home after school (range, 1-5)				0.00	0.01																
Two parent household				0.07	0.03	*															
Lived with parent at baseline				-0.02	0.03																
Number of sex topics covered by parents (range, 0-5)				0.03	0.01	***															
Friend Environment																					
Friends' approval of sex (range, 0-5)							0.01	0.00	***												
Many or all friends are having sex							0.03	0.01	***												
Friends' approval of sex no birth control (range, 0-5)							-0.01	0.00	***												
Moral Order and Learned Competencies																					
Stop herself if aroused (range, 0-3)										0.02	0.00	***									
Willingness to refuse sex (range, 0-5)										0.00	0.00										
Self-esteem (range, 0-4)										0.07	0.02	**									
Attitudes																					
Birth control is morally wrong (range, 0-4)													-0.01	0.00	**						
Birth control takes too much planning (range, 0-4)													-0.01	0.00	*						
Disapproves of premarital sex (range, 1-5)													-0.01	0.00	***						
Motherhood is most fulfilling role (range, 1-5)													0.00	0.00	*						
Desire for pregnancy (range, 0-5)													-0.02	0.00	***						
Emotions																					
Anticipated guilt after sex (range, 1-5)																-0.05	0.01	***			
Sexual and Contraceptive History																					
Had sex before this week																			0.22	0.01	***
Controls																					
Black	-0.03	0.03		-0.01	0.03		-0.03	0.03		-0.03	0.03		-0.02	0.03		-0.05	0.03		-0.07	0.03	*
Age	0.00	0.00	*	0.00	0.00		0.00	0.00		0.00	0.00	*	0.00	0.00		0.00	0.00	*	-0.01	0.00	***
Mother was teenage mom	0.00	0.03		0.00	0.03		0.00	0.03		0.00	0.03		0.00	0.03		-0.02	0.03		-0.03	0.03	
Mother had some college or less	-0.05	0.03		-0.05	0.03	†	-0.05	0.03		-0.05	0.03		-0.05	0.03		-0.05	0.03		-0.06	0.03	*
Relationship status (ref: no relationship)																					
Engaged	0.08	0.01	***	0.08	0.01	***	0.08	0.01	***	0.08	0.01	***	0.08	0.01	***	0.08	0.01	***	0.07	0.01	***
Special Relationship	0.06	0.00	***	0.06	0.00	***	0.06	0.00	***	0.06	0.00	***	0.06	0.00	***	0.06	0.00	***	0.05	0.00	***
Relationship duration	0.00	0.00	**	0.00	0.00	**	0.00	0.00	**	0.00	0.00	**	0.00	0.00	**	0.00	0.00	**	0.00	0.00	*
Enrolled in college	0.03	0.01	***	0.03	0.01	***	0.04	0.01	***	0.03	0.01	***	0.03	0.01	***	0.04	0.01	***	0.04	0.01	***
Constant	0.49	0.09	***	0.40	0.10	***	0.49	0.09	***	0.22	0.11	†	0.58	0.08	***	0.53	0.09	***	0.55	0.09	***
sigma_u	0.33			0.33			0.33			0.33			0.31			0.33			0.32		
sigma_e	0.28			0.28			0.28			0.28			0.28			0.28			0.28		
rho	0.58			0.57			0.57			0.57			0.55			0.57			0.57		

Notes: N=40,433 weeks and 681 women. All predictors are lagged one week. †p<.10; *p < .05; **p < .01; ***p < .001

Table A5. Results of linear probability models with random effects estimating condom use in weeks when women had intercourse but did not use a hormonal method

	Model 15			Model 16			Model 17			Model 18			Model 19			Model 20			Model 21		
	β	SE	Sig.	β	SE	Sig.	β	SE	Sig.	β	SE	Sig.	β	SE	Sig.	β	SE	Sig.	β	SE	Sig.
Religiosity and Religion																					
Religiosity (range, 1-5)	0.04	0.02		0.04	0.02	†	0.03	0.02		0.04	0.02		0.03	0.02		0.02	0.02		0.03	0.02	
Denomination (ref: Other Christian)																					
Catholic	0.03	0.04		0.03	0.04		0.03	0.04		0.03	0.04		0.03	0.04		0.02	0.04		0.04	0.04	
Baptist	-0.04	0.04		-0.04	0.04		-0.04	0.04		-0.04	0.04		-0.03	0.04		-0.04	0.04		-0.03	0.04	
Lutheran	-0.05	0.08		-0.04	0.08		-0.05	0.08		-0.05	0.08		-0.05	0.08		-0.05	0.08		-0.03	0.07	
Methodist	-0.15	0.08	*	-0.14	0.08	†	-0.14	0.08	†	-0.15	0.08	†	-0.14	0.08	†	-0.13	0.08	†	-0.12	0.07	†
Evangelical	-0.01	0.11		-0.01	0.11		0.01	0.11		0.00	0.11		0.00	0.11		-0.01	0.11		0.03	0.10	
Pentecostal	0.12	0.08		0.12	0.08		0.13	0.08	†	0.13	0.08		0.11	0.08		0.10	0.08		0.08	0.07	
Protestant	-0.05	0.06		-0.04	0.06		-0.04	0.06		-0.04	0.06		-0.04	0.06		-0.04	0.06		-0.04	0.06	
Mediators:																					
Family Environment																					
Parents' approval of sex (range, 0-5)				0.00	0.00																
Parents at home after school (range, 1-5)				-0.01	0.01																
Two parent household				-0.04	0.03																
Lived with parent at baseline				0.01	0.03																
Number of sex topics covered by parents range, (0-5)				-0.01	0.01	†															
Friend Environment																					
Friends' approval of sex (range, 0-5)							-0.01	0.00	†												
Many or all friends are having sex							-0.01	0.01													
Friends' approval of sex no birth control (range, 0-5)							0.02	0.00	***												
Moral Order and Learned Competencies																					
Stop herself if aroused (range, 0-3)										0.00	0.00										
Willingness to refuse sex (range, 0-5)										-0.01	0.00	*									
Self-esteem (range, 0-4)										0.00	0.03										
Attitudes																					
Birth control is morally wrong (range, 0-4)													0.01	0.01							
Birth control takes too much planning (range, 0-4)													0.00	0.01							
Disapproves of premarital sex (range, 1-5)													0.01	0.00	**						
Motherhood is most fulfilling role (range, 1-5)													-0.01	0.00	†						
Desire for pregnancy (range, 0-5)													-0.03	0.00	***						
Emotions																					
Anticipated guilt after sex (range, 1-5)																0.04	0.01	**			
Sexual and Contraceptive History																					
Ever used hormonal methods before																			-0.26	0.01	***
Controls																					
Black	0.09	0.04	*	0.09	0.04	*	0.09	0.04	*	0.09	0.04	*	0.09	0.04	*	0.11	0.04	**	0.09	0.03	**
Age	-0.02	0.00	***	-0.02	0.01	***	-0.02	0.01	***	-0.02	0.00	***	-0.02	0.00	***	-0.02	0.00	***	0.01	0.01	*
Mother was teenage mom	0.02	0.03		0.02	0.03		0.02	0.03		0.02	0.03		0.03	0.03		0.04	0.03		0.03	0.03	
Mother had some college or less	-0.01	0.04		0.00	0.04		-0.01	0.04		-0.01	0.04		0.00	0.04		-0.02	0.04		-0.03	0.03	
Relationship status																					
Engaged	-0.05	0.02	**	-0.05	0.02	**	-0.05	0.02	**	-0.05	0.02	**	-0.04	0.02	†	-0.05	0.02	**	-0.05	0.02	**
Special Relationship	-0.03	0.01	†	-0.03	0.01	†	-0.03	0.01	†	-0.03	0.01	†	-0.03	0.01	†	-0.03	0.01	†	-0.03	0.01	†
Relationship duration in weeks	0.00	0.00	**	0.00	0.00	**	0.00	0.00	**	0.00	0.00	**	0.00	0.00	**	0.00	0.00	*	0.00	0.00	***
Enrolled in college	-0.01	0.01		-0.01	0.01		-0.01	0.01		-0.01	0.01		-0.01	0.01		-0.01	0.01		0.00	0.01	
Constant	0.57	0.13	***	0.65	0.14	***	0.61	0.13	***	0.59	0.16	***	0.60	0.13	***	0.54	0.13	***	0.19	0.12	
sigma_u	0.32			0.32			0.32			0.32			0.31			0.32			0.28		
sigma_e	0.31			0.31			0.31			0.31			0.31			0.31			0.31		
rho	0.51			0.51			0.51			0.51			0.51			0.51			0.46		

Notes: N=11,645 weeks and 528 women. All predictors are lagged one week. †p<.10; *p < .05; **p < .01; ***p < .001