Title:

Diverging Patterns of Union Transition among Cohabitators by Race-Ethnicity and Education:
Trends and Marital Intentions

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Abstract

The rise of cohabitation in family process among American young adults and declining rates of marriage among cohabitators are considered by some scholars as evidence for the importance of society-wide ideational shifts propelling recent changes in family. With data on two cohabiting cohorts from the NSFG 1995 and 2006-10, the current study finds that marriage rates among cohabitators have declined steeply among those with no college degree, resulting in growing educational disparities over time. Moreover, there are no differences in marital intentions by education (or race-ethnicity) among recent cohabitators. We discuss how findings of this study speak to the changes in the dynamics of social stratification system in the United States and suggest that institutional and material constraints are at least as important as ideational accounts in understanding family change and family behavior of contemporary young adults.

Introduction

The rise of cohabitation in the courtship process has made it the modal pathway to marriage. About two-fifths of women who married in the early 1980s cohabited first, but today approaching two-thirds of first marriages are preceded by cohabitation (Kennedy and Bumpass 2011; Manning 2010). Even as cohabitation has increasingly become a part of the marriage process, a declining proportion of cohabitations transition into marriage and an increasing proportion dissolve within three years of initiation (Guzzo 2014; Kennedy and Bumpass 2008). Some suggest that these trends represent a broader process of deinstitutionalization of marriage at least partly due to ideational change that emphasizes individual autonomy and gender equality (Cherlin 2004; Lesthaeghe 1995; Lesthaeghe and Kaa 1986).

Yet, trends in marriage and marital stability indicate that the consequences of these society-wide shifts in expectations about marriage are realized differently across the socioeconomic spectrum (Ellwood and Jencks 2004; McLanahan 2004). The proportion of women who will ever marry is declining across all socioeconomic groups, but these declines are projected to be much more pronounced for women without a college degree and African Americans than for college-educated whites (Goldstein and Kenney 2001; Martin, Astone and Peters 2014). Similarly, education has long been negatively associated with divorce, but this difference is growing over time (Martin 2006; Raley and Bumpass 2003). In fact, the proportion projected to marry by age 40 has declined little for college educated women and men (Martin, Astone and Peters 2014), and marital stability appears to have increased for this group as well (Martin 2006). Thus, in the context of society-wide shifts in gender norms and marriage expectations, recent divergence in marriage and divorce may be strongly linked to inequalities in the opportunity structure.

The goal of this research is to investigate whether trends in cohabitation outcomes are similarly diverging, and if so, whether socioeconomic differentials in these outcomes are related to lower expectations for marriage among disadvantaged cohabitators. The rise in cohabitation has been a signature theme of the Second Demographic Transition and Deinstitutionalization of Marriage arguments and the weakening link between cohabitation and marriage supports the predictions of these accounts of family change. But past research also indicates that economic constraints are a key factor in cohabitators' decisions to marry (Manning and Smock 2005; Manning and Smock 1995; Oppenheimer 2003; Smock, Manning and Porter 2005). As widespread social changes have made marriage optional, the standards for marriage have risen so that it is a capstone rather than cornerstone of economic security (Cherlin 2004). This may be an additional contributor to recent declines in marriage among cohabitators. To achieve these goals, we use data from the National Survey of Family Growth (NSFG) 1995 and 2006-2010.

Background

Two perspectives on recent changes in family behavior lay the foundation for developing expectations about trends in union transitions among cohabitators and how these trends diverge across race-ethnic and educational groups. One is the Second Demographic Transition (SDT) perspective (Lesthaeghe 1995; Lesthaeghe and Kaa 1986; van de Kaa 1987); the other is the diverging-destines thesis that emphasizes the fact that family change is not uniform for all Americans but reflects a growing social divide in family formation behavior between the socioeconomically advantaged and disadvantaged (McLanahan 2004).

Model of Second Demographic Transition

Developed by Lesthaeghe and van de Kaa to differentiate recent trends in family formation and fertility from patterns described in the first demographic transition, the Second

Demographic Transition (SDT) is characterized by changes in a wide array of family behavior that began in 1960s in Nordic countries, including the rise of cohabitation (see Lesthaeghe and Neidert 2006). The SDT perspective suggests that the trends in different aspects of family behavior such as the rise of cohabitation, increasing postponement of marriage, and increase in nonmarital childbearing, are all due to the growing emphasis on individualism, fueled by such social changes as modernization and women's growing economic independence (Lesthaeghe 1995).

Based on the experiences in Sweden and other Nordic countries, the SDT model outlines a developmental course for cohabitation, suggesting that cohabitation may first emerge as a deviant status; however, as it becomes more prevalent, it moves to a prelude to marriage, and then ultimately cohabitation becomes a union setting equivalent to marriage. Cohabitation has been established as a normal (even normative) stage in the marriage process for at least 20 years as over half of marriages initiated in the early 1990s were preceded by cohabitation (Kennedy and Bumpass 2008). Since the 1990s, a declining proportion of unions transition into marriage (Guzzo 2014), a fact consistent with the predictions of the SDT that serves as evidence for the continued deinstitutionalization of marriage (Cherlin 2004).

The Diverging-Destinies Perspective

Building on the SDT perspective, which emphasizes the role of ideas in contributing to social change, the diverging-destinies thesis (McLanahan 2004) contends that economic and other institutional forces condition the influence of ideational change. Over the past century our social understandings of marriage increasingly emphasize the importance of romantic love, emotional satisfaction, personal compatibility, self-development, and gender equality instead of procreation and interdependence (Cherlin 2004; Goldscheider and Waite 1991). Achieving these

new standards takes resources. For example, successfully negotiating household tasks might benefit from flexible jobs (Gerstel and Clawson 2014). Moreover, finding a compatible partner likely benefits from wide, supportive social networks, something associated with higher levels of education and majority white racial status (Kao and Joyner 2004; McPherson, Smith-Lovin and Brashears 2006). Whereas the socially and economically advantaged have the resources to meet these new demands of marriage, the less-educated and minorities may not. Consequently, under the SDT the socioeconomically disadvantaged experience sharper declines in marriage as well as greater increases in divorce and non-marital fertility. Building on prior studies showing declines in marriage among cohabitators, this study examines educational and race-ethnic differences in these declines, focusing on the relationship outcomes of first premarital cohabiting unions. In sum, as the SDT theory leads us to expect to see an overall decline in the odds of marriage among more recent cohabiting cohorts, the diverging-destinies perspective predicts that the decline is accompanied by growing differentials among cohabitators of different race-ethnic and educational backgrounds.

Marital Intentions

The SDT and deinstitutionalization of marriage arguments suggest that decreases in the desire to marry are an important contributor to declines in marriage. Consistent with such explanations, a declining proportion of cohabitators intend to marry their partners (Vespa 2014). Minority women and those with lower levels of education are more likely to have experienced single-parent families while growing up (McLanahan and Percheski 2008). Such experiences might reinforce broader ideational changes leading to weaker attachments to marriage. Even disadvantaged women who have not themselves experienced single-parent families have grown up in contexts with fewer examples of healthy marriage. Consequently, greater declines in

marriage among less-educated and minority cohabitators might arise because of their weaker attachment to the institution. If so, we expect that these cohabitators have lower intentions to marry and that this could explain any difference in marriage rates we might observe.

The diverging destinies argument notes that material constraints condition the influence of ideas. Marriage in the U.S hinges on couples' ability to establish an independent household above some culturally acceptable level, which involves stable employment, persistent sources of income, and the ability to ensure long-term financial stability (Gibson-Davis, Edin and McLanahan 2005; Smock, Manning and Porter 2005). Thus, differences in marriage might not be due to lower attachment to marriage, but to differences in their ability to achieve the material and social requirements of acceptable marriage. Less-educated women might have similar intentions to marry their cohabiting partner as more highly educated women.

Prior studies on marital intentions or marital expectations—a proxy of marital intentions but with a weaker link to marital behavior than intentions (Manning and Smock 2002)—have predominantly focused on race-ethnic differences rather than educational differences, likely because of the more substantial decline in marriage among African Americans. These studies, however, provide inconsistent findings. Manning and Smock (2002) find that African American female cohabitators are less likely to expect to marry their cohabiting partners as compared with their non-Hispanic white counterparts, whereas Guzzo (2009) suggests that African American female as well as male cohabitators are more likely to report being engaged or having a definite plan for marriage at the start of union than their non-Hispanic white counterparts. Brown (2000) finds that there are no race-ethnic differences among cohabitators in reporting having marriage plans (also see Brown and Booth 1996; Bumpass, Sweet and Cherlin 1991).

Additionally, some scholars speculate that racial differences with respect to marital intentions might lie in non-Hispanic white cohabitators' greater ability to carry out their plans for marriage when compared with African American and other race-ethnic groups. Findings from previous studies are also mixed. Specifically, while Brown (2000) shows that African American cohabitators with marital plans had 85 percent lower odds of marrying their partners than non-Hispanic white cohabitators with a marriage plan, Guzzo (2009) finds that the effect of marital intention on the odds of transitioning to marriage does not differ between African Americans and non-Hispanic whites.

The inconsistencies in these past findings likely originate from differences in the measurement (i.e., engagement, marriage plan, marriage expectation), analytic samples (i.e., all cohabitations, first premarital cohabitations), the timing at which marital intentions or expectations were measured (i.e., at the start of union or at the moment of interviewing), and birth cohorts of cohabitators. In our analysis of marital intention, we focus only on the first premarital cohabitations that were initiated in recent years between 2005 and 2010 and operationalize marriage intentions as (retrospectively reported) engagement status at the start of cohabiting unions.

Altogether, our analyses address two research questions. First, are race-ethnic and educational differences in the outcomes of cohabiting unions growing? Second, are differences in cohabitation outcomes explained by lower intentions to marry among the disadvantaged? If we find evidence of educational and/or race-ethnic divergence and differences cannot be explained by marriage intentions, this suggests that ideational accounts of changes in cohabitation miss an important source of family change.

Data and Methods

Data for the analysis are from the National Study of Family Growth 1995 (NSFG Cycle 5) and 2006-2010 (NSFG 2006-2010). Interviewing for the National Survey of Family Growth (NSFG) Cycle 5 was conducted in January through October of 1995. In-person interviews were conducted with a nationally representative sample of 10,847 women 15-44 years of age, of all marital statuses. Interviewing for the 2006-2010 NSFG was conducted from June 2006 through June 2010. In-person interviews were conducted with a nationally representative sample of 12,279 women 15-44 years of age and a nationally representative sample of 10,403 men 15-44 years of age, of all marital status.

Although the NSFG 2006-2010 collected information from both men and women, because the NSFG 1995 only provides information on women, in this study we only use female respondents' information from both surveys. We also limit our samples to those first premarital cohabitations that were initiated no more than five years prior to the interviews. We observe relationship outcomes of first premarital cohabitations that were initiated in two periods of time: years between 1990 and 1995 and between 2005 and 2010. We restrict the sample to first premarital cohabitations. This likely produces conservative estimates of educational and race-ethnic differences in cohabitation outcomes given that disadvantaged individuals are more likely to have second and higher-order cohabitations and these unions tend to be less stable and less likely to result in marriage than first cohabitations (Lichter and Qian 2008). We also excluded 30 premarital cohabitations that last for less than a month from the analytic sample for such a short co-residential arrangement is more ambiguous in its status as a union. Our samples are comprised of 929 premarital cohabitations initiated between 1990 and 1995 and 1,142 between 2005 and 2010.

Samples

Table 1 displays descriptive information for the analytic samples of cohabiting relationships, from the NSFG 1995 and NSFG 2006-2010, respectively, in comparison to the original full samples from which they are extracted. The two analytic samples are rather similar to the original NSFG samples from which they are drawn with respect to racial/ethnic and educational compositions. The analytic samples of first-time never-married cohabitators have a median age of 23 at the time of interview, which is younger than the full NSFG samples. The median ages at cohabitation are 21 years old for both analytic samples. In the analytic sample of first premarital cohabitations initiated between 1990 and 1995, 340 marriages occurred, 347 cohabitators broke up, and 242 stayed together at the time of interview; the corresponding figures in the sample of cohabitations initiated between 2005 and 2010 are 194, 504, and 444.

[Table 1 inserted here]

Measures

We construct educational groups as those with *less than high school diploma, a high school diploma, some college, and college or more*. Race-ethnic groups in the analysis include non-Hispanic Whites, African Americans, Hispanics, and other non-Hispanic race-ethnic groups. We construct measures that indicate the relationship outcome of the union as the dependent variable with three mutually exclusive categories (marriage, separation, and stay intact).

We measure marital intention with a dichotomous variable based on female cohabiting respondents' answer to the question: "At the time you began living together, were you and your partner engaged to be married or have definite plans to get married?" from the NSFG 2006-10 data set. This measure is based on respondents' retrospective reports and may not be completely accurate. We return to this concern in the discussion. In the analysis, we control for information

on *duration of union* and cohabitor's *age at union initiation* (and *its squared term*) because these two factors are associated with cohabitators' union outcomes (Brown 2003; Cohen and Manning 2010; King and Scott 2005; Stanley, Rhoades and Markman 2006) and they may vary by race-ethnicity and education (Kennedy and Bumpass 2008; Manning, Brown and Payne 2014).

Empirical Strategy

First, we convert data into person-month data sets with the first month indicating the month when cohabitation started and last month the month when cohabitation was ended either by marriage or separation or the month when interview was conducted for those whose first premarital cohabitation remained intact at the time of interview (i.e., censoring). Then, we estimate multivariate discrete-time event history models with multinomial logistic regression to investigate how educational disparities in the odds of transitioning to marriage and the odds of separation, as opposed to staying cohabiting, differ between the two cohabiting cohorts. Second, focusing on recent female cohabitators, we demonstrate whether/how marital intentions vary across race-ethnic and educational groups. Then, employing multivariate multinomial logistic models, we investigate whether controlling for marital intentions attenuates the race-ethnic and educational differences in cohabitators' union transition behavior.

Results

Trends of Educational and Race-ethnic Disparities in Union Transitions

Multi-decrement life-table estimates (available upon request) show that among cohabitations initiated between 1990 and 1995, 41 percent of cohabiting unions transitioned to marriage and 35 percent separated by the end of third year following union formation, whereas among the 2005-2010 cohabiting cohort, only 24 percent transitioned to marriage but 41 percent dissolved within three years. The results are consistent with findings from prior studies

indicating a decline in the probabilities of transitioning to marriage among more recent cohabiting cohorts (e.g., Guzzo 2014; Kennedy and Bumpass 2011; Kennedy and Bumpass 2008; Manning 2010).

[Table 2 inserted here]

Table 2 displays the results from multinomial logistic regression analysis to statistically test the significance of changes in race-ethnic and educational disparities. Model 1 includes interactions between education and period and thus the main education coefficients represent differences in 1990-1995. These education coefficients are not significant, indicating that there were no educational differences in the likelihood of marriage versus remaining cohabiting in the earlier period. The significant coefficients for the interaction between education and period indicate that educational differences increased significantly.

Figure 1 provides a visual representation of the growing educational disparities. This figure presents the average estimated probability of transitioning to marriage in a given year for each educational group from 1990-1995 and 2005-2010 cohabiting cohorts. For college-educated cohabitators from the 1990-1995 cohort, the average probability of transitioning into marriage in any given year is about 27 percentage points and for the college-educated cohabitators from the 2005-2010 cohort, it is 24 percentage points, an insignificant decline. Additionally, the overlapping confidence intervals of all educational groups in the 1990-1995 cohort indicate that there are no significant educational disparities in transitioning to marriage in this early period. However, educational disparities in the probabilities of transitioning to marriage have become statistically significant among the 2005-2010 cohabiting cohort due to drastic drops in the probabilities of transitioning to marriage among all non-college educated cohabitators in the recent cohabiting cohort. The average annual probabilities of transitioning to marriage for the 2005-

2010 non-college educated cohabitators are less than half of those for their similarly educated counterparts in the early cohort.

[Figure1 inserted here]

In Table 2, Model 2 shows the results for the interaction between race-ethnicity and period. The main effects of race-ethnicity show the results for the 1990-95 cohabiting cohort. African Americans who initiated the unions in 1990-95, as compared with their non-Hispanic white counterparts, have lower odds of transitioning to marriage but have higher odds of breaking up. The product terms between race-ethnicity and period indicate that differences in union outcomes between African Americans and non-Hispanic whites did not significantly change over time. In fact, the direction of the coefficient suggests that differences between African Americans and non-Hispanic whites might have declined slightly for the recent cohort. An analysis using data from only the more recent period shows no significant race-ethnic differences in cohabitation outcomes.

Marital Intention and Differentials in Union Transitions

Our study suggests that union transition pattern among cohabitators in the recent cohabiting cohort is significantly contingent on cohabitators' educational attainment. Does accounting for marital intention help attenuate the educational disparities in union transitions among cohabitators from the 2005-2010 cohabiting cohort? Results displayed in Table 3 show that college-educated cohabitators are no more likely than their less-educated peers to enter cohabiting unions engaged or with a definite plan for marriage despite the fact that they are, on average, older than their lower-educated peers at the start of union. That is, cohabitators with less-than high school entered their unions at an average age as young as age 19 and yet 42% of them were engaged at the start of union, which is no smaller than that for the college-educated cohabitators (43%), although the

latter entered the union at an average age of 25. Also, there are no significant differences in marital intentions by cohabitators' race-ethnicity. Specifically, 45% of African American and non-Hispanic cohabitators reported being engaged at the start of union.

[Table 3 inserted here]

The estimates of the average marginal effects (AME) on union transitions from the multivariate multinomial logistic regression models also show that although marital intention is positively associated with the probability of transitioning to marriage and negatively associated with the probability of relationship dissolution, controlling for marital intention does not attenuate the educational (or racial) differences in union transition patterns of recent cohabitators (results not shown, available upon request). Figure 2 displays the predicted probability of transitioning into marriage for educational and race-ethnic groups, with marital intention controlled. Figure 2 shows that on average, compared with their similarly educated counterparts (or peers from the same race-ethnic background) without marital intentions, cohabitators with marital intentions have higher probabilities of transitioning to marriage. Yet, with marital intention controlled, the predicted probability of transitioning into marriage for college-educated women is still significantly higher than for less-educated women.

[Figure 2 inserted here]

Conclusions

Focusing on union transition experience of first premarital cohabitations in two periods, 1990-1995 and 2005-2010, we first examined whether trends in educational and race-ethnic disparities in cohabitation outcomes—transitioning into marriage (or breaking up)—have become larger over time. Our findings conform to predictions from the SDT perspective as well as the diverging-destinies thesis. In line with the SDT perspective and findings from previous

studies (e.g., Kennedy and Bumpass 2008), the results of current analysis suggest that cohabitators have increasingly become less likely to progress to marriage. Following the diverging-destinies prediction, the current analysis shows that educational disparities in the odds of transitioning into marriage have become larger over time, primarily the result of sharp declines in marriage among some-college or high-school educated cohabitators in the recent period. Moreover, casting doubt on a purely ideational explanation for these trends, we find no educational (or racial) differences in the marriage intentions of cohabitators.

Americans without a college degree have experienced real declines in earnings and rises in unemployment since the 1970s, when the US economy began to move toward globalization in product, capital, and labor markets (Cherlin 2014; Kalleberg 2011; Levy 1998; Marshall and Tucker 1992; Reich 2002; Sweet and Meiksins 2008). The massive reduction of manufacturing jobs in the American economy largely eliminated an important means for those who do not have college degrees to maintain stable employment and consistently earn wages sufficient to support a family securely above the poverty line (also see Kalleberg 2011; Sweet and Meiksins 2008). As career success and the ability to provide for the family has become greatly dependent on the attainment of a college or graduate degree, many scholars (e.g., Cherlin 2014; McLanahan 2004; Oppenheimer 2003) have linked contemporary variation in family behavior to employment, earnings, and other resources that are stratified by educational attainment. The findings of the current analysis add to the body of research indicating that contemporary family changes are, at least in the short term, considerably related to economic opportunity. Notably, it is possible that the growing educational variation we observed could be due to educational differences in for example, family-related values and attitudes that undermine trust between men and women and the attachment to marriage. Future research should further investigate educational differences in

a broader spectrum of family-related attitudes among cohabitators. Our analyses were unable to detect educational variation in the one attitudinal measure we were able to evaluate with the NSFG.

Admittedly, our retrospective measure of marriage intentions is likely flawed. Cohabitators whose unions dissolve may remember their marriage intentions as lower than they really were at the start of their cohabiting union and cohabitators that marry may tend to remember their marriage intentions as higher. The cohabiting unions of African Americans and the less-educated are more likely to dissolve than those of non-Hispanic whites and the college-educated. Thus, we believe that retrospective reports of marriage intentions are *downwardly* biased for African Americans and the less-educated relative to whites and the college educated. Yet, despite this bias, we found that there are no educational or race-ethnic differentials in marital intentions at the start of union. This supports the idea that the lower rates of transition into marriage among disadvantaged cohabitators are not due to a weaker attachment to marriage.

Even though the current analysis shows that race-ethnic disparities in union outcomes did not change significantly, it would be reckless to conclude that the significance of race in family behavior has declined. Rather, it may be that disadvantaged blacks are unable even to form cohabiting unions today due to mass imprisonment and other factors that reduce the number of available men. Recent research shows that while nearly two-thirds of white nonmarital births occur to cohabiting women, only 37% of black non-marital births occur to mothers living with the father (Lichter, Sassler and Turner 2014). Future research should examine race-ethnic variation in patterns of union formation, especially among the most disadvantaged.

Overall, the results of this study indicate that SDT accounts of family change are incomplete. We argue that declines in marriage (at least recently) are the result of rising

standards for marriage in the context of substantial economic and social inequality. We observed no decline in the likelihood that college educated women's cohabiting union transitioned into marriage. Moreover, the changes in outcomes of cohabiting unions of less educated women are not obviously linked to declines in marriage intentions. By stressing the importance of structural barriers in preventing some people from securing resources for stable family life, the diverging-destines thesis provides valuable insights into declines in marriage among cohabitators. As the marriage has become optional and the standards for marriage have risen, those on the lower half of the socioeconomic spectrum are finding it difficult to meet these standards.

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Table 1 Descriptive information on analytical samples by data sources

	NSFG 1995		NSFG 2006-10	
	Complete NSFG sample	Analytic sample	Complete NSFG sample	Analytic sample
Birth years of respondents	1950-1980	1951-1979	1961-1995	1962 - 1994
Ages at interview				
Range	14-45	15 - 43	15-45	15 - 44
Median	31	23	29	23
Mean	30	24	30	24
Year when first premarital cohabitation initiated	--	1990 - 1995	--	2005-2010
Ages at initiating first premarital cohabitation				
Range	--	12 - 42	--	13-42
Median	--	21	--	21
Mean	--	22	--	22
Std Dev.	--	5	--	4.33
Total sample size	10,847	929	12,279	1,142
Less than high school	16.75%	16.37%	16.19%	16.08%
High school or GED	36.52%	36.12%	33.55%	33.78%
Some college	25.83%	26.32%	28.22%	28.39%
College or more	20.89%	21.18%	22.04%	21.75%
Non-Hispanic Whites	72.31%	72.49%	58.09%	58.04%
African Americans	13.99%	14.06%	16.72%	17.02%
Hispanics	10.50%	10.20%	19.11%	18.96%
Non-Hispanic others	3.19%	3.25%	6.08%	5.98%
Share of first premarital cohabitation with marriage intention	--	--	--	44.35%
Marriage	--	340	--	194
Separation	--	347	--	504
Censored	--	242	--	444

Notes: Samples from NSFG 1995 and NSFG 2006-10, respectively, are comprised of respondents whose first premarital cohabitations were initiated no more than 5 years before the interview dates. Cohabiting sample from NSFG 2006-10 is further restricted to those between 2005 and 2010.

Table 2 Coefficients from multinomial logistic regression models predicting cohabiting union transitions (weighted results)

	Model 1				Model 2			
	Marry vs. Stay intact		Break up vs Stay intact		Marry vs. Stay intact		Break up vs Stay intact	
Period								
1990-95	--	--	--	--	--	--	--	--
2005-10	-0.137	(0.18)	-0.343	(0.26)	-0.683***	(0.14)	0.071	(0.14)
Non-Hispanic White	--	--	--	--	--	--	--	--
African American	-0.427**	(0.15)	0.363**	(0.12)	-0.546**	(0.18)	0.517***	(0.13)
Hispanic	-0.325†	(0.18)	-0.201	(0.15)	-0.182	(0.20)	-0.252	(0.19)
Other non-Hispanic	-0.466	(0.34)	0.265	(0.21)	-0.058	(0.30)	0.683*	(0.33)
Less than HS (High school)	0.096	(0.26)	-0.220	(0.24)	-0.222	(0.21)	0.061	(0.20)
High school or GED	0.316†	(0.17)	-0.088	(0.21)	-0.005	(0.14)	0.109	(0.17)
Some college	0.202	(0.18)	0.236	(0.22)	-0.073	(0.14)	0.304†	(0.16)
College+	--	--	--	--	--	--	--	--
Less than HS X Period	-0.963**	(0.34)	0.564†	(0.32)				
HS or GED X Period	-1.017***	(0.30)	0.432	(0.29)				
Some college X Period	-0.725**	(0.27)	0.168	(0.31)				
African American X Period					0.297	(0.31)	-0.336	(0.22)
Hispanic X Period					-0.450	(0.35)	0.073	(0.28)
Other non-Hispanic X Period					-0.912	(0.64)	-0.671	(0.46)
Constant	-5.815***	(1.15)	-1.660	(1.06)	-5.820***	(1.12)	-1.943†	(1.05)
Number of person-months	54291				54291			

† $p < .10$ * $p < .05$ ** $p < .01$ *** $p < .001$

Standard errors in parentheses. Models control for duration of the union and age at the start of union

Table 3. Percentage starting cohabitation with marital intention by race-ethnicity and education (weighted %)

	% engaged at the start of union	Mean age at the start of union
<i>Educational attainment</i>		
College +	42.71	24.71
Some college	45.91	21.75*
High school	46.43	20.61*
Less than high school	41.52	19.09*
<i>Race-ethnicity</i>		
Non-Hispanic whites	44.85	21.49
African Americans	45.16	22.64*
Hispanics	42.89	20.71
Other non-Hispanic racial/ethnic groups	43.56	20.95

* indicates significant differences from Non-Hispanic whites or the college educated at .05

Fig. 1 Predicted annual probabilities of transitioning into marriage by education for 1990-1995 and 2005-2010 cohabiting cohorts with 95% CIs (weighted results)

Fig. 2 95% C.I. of predicted average probability of transitioning to marriage in a given month for 2005-2010 cohabiting cohort by education (or race-ethnicity) and marital intention status (weighted results).

Notes: Race-ethnic differences in the probability of transitioning into marriage for 2005-2010 cohabiting cohort are not statistically significant before taking into account marital intention (results from multinomial logistic models are available upon request).