**Contraception Biographies: Women’s Contraceptive Method Switching & Union Status**

**Background**
- Women are at risk of pregnancy for nearly half of their life span.  
- Approximately 70% of women of reproductive age are at risk of unintended pregnancy.  
- Maintaining a current total Fertility Rate of 1.9 children per woman requires effective use of contraception for about 30 years.  
- A large proportion of women tend to practice contraceptive switching over their reproductive life course.

**Rationale**
- Public health perspective  
- Increased rates of unintended pregnancies and high rates of abortions for women.  
- Family formation and child wellbeing perspective  
- Unintended pregnancies produce negative outcomes that affect mothers, children, and family and community quality and stability.

**Research Contributions**
- Provide contemporary portrait of contraceptive method switching patterns among reproductive age women.  
- Examine method switching behavior based on union status, marital status.  
- Account for all methods of contraception.

**Research Questions**
- RQ1: Do married women differ from single and cohabiting women in terms of contraceptive method switching?  
- RQ2: Among contraceptive method switchers, do married women differ from single and cohabiting women by type of contraceptive used?

**Data**
- The National Survey of Family Growth 2006-10.  
- Female file based interviews with 12,279 women.  
- Use of relationship and contraceptive histories.  
- Retrospective dates to Transform data for event history analysis.  
- Independent variable (RQ1) switches, stable users, and stable nonusers.  
- Dependent variable (RQ2), most effective, and least effective, and total effective methods of contraception.  
- Analytic sample (RQ1): 2,539 women  
- Analytic sample (RQ2): 1,604 women  
- 1,682,803 person-months.

**Methods of Contraception**
- Most effective methods (sterilization and hormonal methods)  
- Effective methods (pill and condom)  
- Least effective methods (other and none)  
- Union Status - at the start of the 3-year observation period  
- Married  
- Cohabiting  
- Single  
- Control variables:  
  - Religious affiliation, family structure, mother’s education, age, race/ethnicity, education, poverty, union history, age at menarche, parity, and fertility intentions

**Descriptive & Multivariate Results: RQ1**

**Descriptive & Multivariate Results: RQ2**

**Conclusion**
- Contraceptive method switching is significantly associated with union status.  
- Single women, relative to married and cohabiting women, are at greater risk of unintended pregnancy due to high probability of switching.  
- Contraceptive and reproductive behaviors of married and cohabiting women are becoming even more similar over time.  
- Among women who switch contraception, there are no statistical differences in the types of contraception used.

**Future Research**
- Examining method switching behavior of women across union status based on type of contraception used at start of observation period.  
- Estimating the time (in months) for switching to occur from:  
  - Nonuse to any contraceptive use.  
  - Any use to most effective, effective and least effective use.

**Summary of Results**
- Almost 40% of all women switch contraception during a 3-year period.  
- Single and cohabiting women compared to married women are more likely to switch contraception than remain as stable nonusers.  
- Most women (45%) switch to least effective methods (i.e., none and other methods).  
- There are 3 distinctive patterns of contraceptive use among switchers:  
  - Married women are more likely to switch to most effective methods (i.e., sterilization and hormonal methods).  
  - Cohabiting women are more likely to switch to least effective methods (i.e., other and none).  
- Single women are more likely to switch to effective methods (i.e., pill and condom).

**References**

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