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Family Instability, Multipartner Fertility,
and Behavior in Middle Childhood

Two concepts capture the dynamic and complex nature of contemporary family structure: family instability and multipartner fertility. Although these circumstances are likely to co-occur, their respective literatures have proceeded largely independently. The authors used data from the Fragile Families and Child Wellbeing Study (N = 3,062) to consider these dimensions of dynamic family structure together, asking whether they independently predict children's behavior problems at age 9. Frequent family instability was consistently predictive of higher predicted levels of behavior problems for children born to mothers who were unmarried, an association largely attenuated by factors related to family stress. Multipartner fertility was robustly related to self-reported delinquency and teacher-reported behavior problems among children born to mothers who were married.

Two concepts capture the increasingly dynamic and complex nature of contemporary family structure: family instability and multipartner fertility. *Family instability* is defined as repeated changes in a child's family structure and is often measured as a count of the entrances and exits by a biological parent's romantic partners or spouses into or out of a child's household (Fomby & Cherlin, 2007; Osborne & McLanahan, 2007; Wu & Martinson, 1993). *Multipartner fertility* is defined as a parent's experience of having biological children with more than one partner during his or her lifetime (Carlson & Furstenberg, 2006; Guzzo, 2014).

Children's experience of family instability and multipartner fertility has become more frequent in the last half-century in response to rising and then plateauing rates of divorce and remarriage and a steady increase in the prevalence of nonmarital childbearing among unpartnered or cohabiting parents (Cancian, Meyer, & Cook, 2011; Cavanagh, 2008; Osborne & McLanahan, 2007; Ryan & Claessens, 2012). These aspects of family structure change have largely been considered separately, but it is likely that family instability and multipartner fertility co-occur. For example, when a child's parent dissolves one union and begins another, the parent may have an additional child with his or her new partner. Under those circumstances, a child experiences family instability (the dissolution of one union and the formation of another) and multipartner fertility (the addition of a half-sibling to his or her family tree). Each type of family change is associated with children's compromised well-being and particularly with higher rates of externalizing behavior problems, delinquency, and risky behavior across the early life course (Bronte-Tinkew, Horowitz, & Scott, 2009; Carlson & Furstenberg, 2006;

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Cavanagh & Huston, 2008; Fomby & Cherlin, 2007; Gennetian, 2005; Halpern-Meekin & Tach, 2008; Lee & McLanahan, 2015; Osborne & McLanahan, 2007).

Despite the potential co-occurrence of these phenomena and their shared association with compromised behavior outcomes, little scholarship has considered their independent or common association with child well-being. Rather, these two literatures have developed in parallel, considering separate but related reasons that family instability or multipartner fertility would be associated with children's behavior. We propose that a comprehensive view of dynamic family structure accounting for parents' union status change and multipartner fertility will better characterize children's family systems and potentially expose circumstances in complex families where children may experience diminished access to family-based resources or lower relationship quality with parents and siblings.

We assess the independent association of family instability and multipartner fertility with children's externalizing and delinquent behavior in middle childhood, at age 9. We draw on two theoretical perspectives to consider why family instability and multipartner fertility may each relate to children's behavior: family stress and family boundary ambiguity. Children's externalizing behavior and delinquency are outcomes of particular interest because of their robust association with family instability and multipartner fertility across a range of age groups and social contexts (Bronte-Tinkew et al., 2009; Cavanagh & Huston, 2006; Fomby, 2011; Fomby & Cherlin, 2007; Ryan & Claessens, 2012).

Background

Family instability and multipartner fertility occur among a significant share of U.S. children. Approximately 18% of adolescents interviewed in the mid-1990s had experienced two or more changes in family structure (Cavanagh, 2008), and estimates from a nationally representative sample of children born in 2001 indicate that the prevalence of family instability has held steady or increased since then: About 10% of children had experienced two or more changes in family structure by school entry (Fomby & Cavanagh, 2011). Family instability is more common among children born to parents who were unmarried. Using data from the Fragile Families and Child Wellbeing Study (FFS), Osborne and McLanahan (2007) found that more than one third of children born to mothers who were unmarried had experienced two or more changes in union status by age 3, including the mother's dating relationships.

Drawing on a variety of data sources and methodologies, scholars have established a robust association between the experience of family instability and externalizing behavior, aggressive behavior, and delinquency across childhood and adolescence (Cavanagh, 2008; Cavanagh & Huston, 2006, 2008; Cooper, Meadows, McLanahan, & Brooks-Gunn, 2011; Fomby, 2011; Fomby & Cherlin, 2007; Lee & McLanahan, 2015; Magnuson & Berger, 2009; Osborne & McLanahan, 2007; Ryan & Claessens, 2012). Hypotheses concerning income volatility (Wu, 1996), relationship quality between parents and children (Cavanagh & Huston, 2006), parental selection into unstable unions (Fomby & Cherlin, 2007), and maternal stress (Osborne & McLanahan, 2007) have partially explained this association.

Another literature has documented the increase in multipartner fertility in the United States and its association with children's behavior. Using data from the FFS to describe children born in large U.S. cities, Carlson and Furstenberg (2006) reported that more than one third of births occurred to parents in which the mother or father had at least one child with a previous partner. Administrative data from Wisconsin show that 60% of firstborn children with parents who were unmarried in 1997 had at least one half-sibling through their mother or father by age 10 (Cancian et al., 2011). Nationally, at least one in eight children resides in a complex household with half- or stepsiblings (Manning, Brown, & Stykes, 2014), and one in six children in a recent birth cohort was is in a complex household at age 4 (Fomby, Goode, & Mollborn, 2016).

As with family instability, multipartner fertility is associated with children's aggressive behavior across the early life course. Using data from the FFS, Bronte-Tinkew et al. (2009) found that father's multipartner fertility was associated with children's aggressive behavior at age 3, directly and indirectly through paternal depression. In research on nationally representative samples, coresidence with half-siblings has also been positively associated with children's aggressive behavior at school entry and

with poorer academic performance and higher levels of delinquency, school detachment, and depression in adolescence (Fomby et al., 2016 ; Halpern-Meekin & Tach, 2008).

Theoretical Perspectives

Research in the areas of family instability and multipartner fertility is largely informed by theoretical perspectives on family stress and family boundary ambiguity. These perspectives predict that both types of family change will precipitate the retreat of some primary relationships in children's lives and the formation of others while influencing the nature of ongoing relationships.

Family Stress Theory

Family stress theory asserts that stressful events, such as a union transition or the addition of a new sibling in a household, may destabilize the family system and lead to negative child outcomes because of the associated changes in household resources and routines (George, 1989, 1993; Hill, 1949; McCubbin & Patterson, 1982). Over time, in the absence of additional stressful events, families may adapt to these changes (Acock & Demo, 1994; Williams & Umberson, 2004). Yet families who experience repeated changes in partnerships or who have children with multiple partners may be at the greatest risk of negative outcomes because the stress associated with each event is cumulative, and families may have relatively little time to adapt before a new change occurs (Rutter & Rutter, 1993). Family stress theory predicts that a parent's changing union status or the presence of a new sibling through multipartner fertility will disproportionately challenge children to adapt to family disequilibrium if unstable or complex families have fewer resources or a narrower set of coping strategies compared to children in stable families or children whose siblings share a biological father.

One line of family stress theory has considered how parenting and parent–child relationship quality co-occur with or condition the experience of family change. Using data from the FFS, Osborne and McLanahan (2007) found that maternal stress and parenting behavior almost entirely attenuated the association between family instability and aggressive behavior when children were age 3 years. In the same sample, Beck, Cooper, McLanahan,

and Brooks-Gunn (2010) documented that more frequent and more recent union status transitions were associated with higher levels of harsh maternal parenting and, among mothers who were highly educated, with reduced literacy activities when children were age 5 years. Using data from a sample that included more suburban households, Cavanagh and Huston (2006) found that mothers' supportiveness and encouragement during mother-child interactions moderated the association of family instability with disruptive behavior in school at age 6 years.

Family stress theory has also provided a framework for documenting that maternal well-being is associated with family instability and multipartner fertility and with children's early behavior problems. In the family instability literature, research drawing on the FFS has shown that coresidential and dating transitions are associated with material hardship, frequent residential mobility, maternal parenting stress, and poorer maternal physical and mental health (Beck et al., 2010; Cooper et al., 2009; Fomby and Sennott, 2013; Meadows, McLanahan, & Brooks-Gunn, 2008; Osborne, Berger, & Magnuson, 2012). Fomby (2016) found that women who engaged in multipartner fertility were more likely to experience increased parenting stress and depression compared to mothers whose children shared the same biological father. Turney and Carlson (2011) found that mothers and fathers who experienced multipartner fertility had a higher likelihood of depression.

Family Boundary Ambiguity

Family boundary ambiguity is defined by a lack of clarity about who is in and who is outside of a family system and about the roles and responsibilities of individuals within a family system (Stewart, 2005). This perspective highlights that for biological and social parents, complex family organization introduces uncertainty about roles, relationships, and responsibilities to each other and to children (Berger & Bzostek, 2014; Cherlin, 1978; McLanahan, 2010). When a parent (most often the mother in extant research) has a child with a new partner, she negotiates changing dynamics within the reconstituted family, particularly where the new partner becomes a social father to older children. For example, the biological father may become less certain of his role and identity when a new father figure assumes his former responsibilities (Berger & Bzostek,

2014; Guzzo, 2009). Second, the social parent may introduce competing ideas about child rearing or provide different levels of care for his or her biological children compared to nonbiological children in the household (Hofferth & Anderson, 2003), a circumstance that may influence relationship quality between siblings as well as between parents and children (Hetherington et al., 1999; Sweeney, 2010). Third, a parent's relationship with older children may change in response to new caregiving responsibilities as well as the management of relationships with their other biological parent.

These expectations have been supported by research highlighting involvement with children by nonresident fathers and extended kin. Father involvement, represented by time investments and instrumental support provided to children and child support payments to mothers, is more likely to decline when either parent repartners compared to when both parents remain single and is more influenced by mothers' than fathers' new relationship formation (Berger, Cancian, & Meyer, 2012; Tach, Mincy, & Edin, 2010). More broadly, Harknett and Knab (2007) found that mothers' perceived kin support decreased after having a child with a new partner, an indication that available extended kinship contracts in response to multipartner fertility. The authors concluded that though multipartner fertility connected mothers to multiple kin networks through the fathers of their children, those networks were more diffuse or were characterized by boundary ambiguity in which patterns of responsibility and reciprocity were less clearly articulated compared to other systems of family organization.

A distinction between the family stress and family boundary ambiguity perspectives pertains to when family change events occur relative to a child's birth. The family stress perspective expects that children must be exposed to a stressor to be influenced by it. That is, family stress theory would predict that only a parent's union instability or multipartner fertility occurring after a child's birth would be associated with that child's well-being. Further, infrequent stressors or stressors followed by a long period of stability should be less consequential for children in the long run compared to frequent and co-occurring stressors if time enables families to recover from stressful events. In contrast, the family boundary ambiguity perspective considers how the dynamics of a complex and evolving family

system may endure to shape the resources and relationships that are available to children. As such, family complexity that emerges even before a child's birth may be associated with that child's well-being. We distinguish between mother's multipartner fertility that occurred before or after a child's birth and control for her number of unions prior to the child's birth and whether any union status change or birth through multipartner fertility occurred in the last 2 years.

Union Status at Birth

The literatures on multipartner fertility and family instability have each documented that union status at birth is associated with the likelihood of experiencing family change and potentially conditions the influence of family change on child well-being. Children born to parents who were married experience greater stability in parents' union status compared to children born to cohabiting or unpartnered parents and are also less likely to be born into or to experience parents' multipartner fertility (Cancian et al., 2011; Carlson & Furstenberg, 2006. Osborne & McLanahan, 2007). Union status at birth also moderates the association of union instability with some child outcomes, including general health, obesity (Bzostek & Beck 2011; Schmeer, 2012), and, in the United Kingdom, verbal ability (Fomby, 2011), with children born to parents who were married more negatively affected by subsequent change compared to children born to cohabiting or single parents. Thus, our analysis considers the association of family instability and multipartner fertility with child behavior separately by parents' marital status at the child's birth.

The Current Study

We consider children's experience of family instability and multipartner fertility simultaneously and ask how these components are associated with children's externalizing behavior and early delinquency at age 9, net of one another. Using data from five waves of the FFS, we put the focal child at the center of his or her mother's union formation and childbearing trajectories. Further, we assess whether household and family characteristics that indicate family stress and family boundary ambiguity attenuate the association of each dimension of family

change with three reports of children's behavior problems.

We investigate the association between family instability and multipartner fertility and behavior outcomes for children born to mothers who were married and mothers who were unmarried separately. We focus on children who lived most or all of the time with their biological mother at each wave, and we measure the mother's union status changes and fertility history to capture union instability and multipartner fertility. We acknowledge that a focus on one parent's relationship and fertility history underestimates the total family complexity that children may experience if the other parent also experiences union status changes and new childbearing or if the addition of a stepparent to a child's household brings stepsiblings as well. Data limitations, including a poor response rate from nonresident fathers, preclude an analysis that accounts comprehensively for fathers' subsequent fertility and/or the nature of his involvement with nonresident children.

METHOD

The FFS is a longitudinal birth cohort study including nearly 5,000 children born between 1998 and 2000 in hospitals in 20 U.S. cities with populations of 200,000 or more. The study includes an oversample of children born to mothers who were unmarried, which enables an assessment of variation within a heterogeneous population. The population represented by the FFS is relatively more disadvantaged than the U.S. population as a whole in terms of educational attainment and socioeconomic status (Reichman, Teitler, Garfinkel, & McLanahan, 2001) and is of interest to family policy advocates, policy makers, and scholars studying social inequality.

Data from the FFS have been used frequently to consider family instability and multipartner fertility separately (Beck et al., 2010; Bzostek & Beck, 2011. Carlson & Berger, 2013, Carlson & Furstenberg 2006; Cooper, Osborne, Beck, & McLanahan,, 2011; Lee & McLanahan, 2015; Magnuson & Berger, 2009; Osborne & McLanahan, 2007; Osborne et al., 2012; Turney & Carlson, 2011). Much of that work has drawn on the family stress perspective to understand the implications of family structure dynamics for child well-being. Thus, we bridge two areas of research that have been evaluated separately

on a common data source. Moreover, children in the FFS sample have experienced relatively frequent family instability and multipartner fertility compared to the general population. This permits sufficient sample size to make stable estimates of the association between family structure characteristics and children's behavior problems. Further, the sample design permits generalizations to an at-risk population. The trade-off is that the findings are not necessarily generalizable to families outside of large U.S. cities, particularly for children born to mothers who are married. However, research with other data sources has documented that family instability and complexity, though less frequent, are similarly consequential for child well-being in the general population (Cavanagh & Huston, 2008; Dorius & Guzzo, 2013).

Mothers of the children in the FFS sample were interviewed in person within 48 hours of the child's birth and by telephone when the children were age 1, 3, and 5 years. (A subset of households also participated in home visits at the 3- and 5-year follow-ups.) The 9-year follow-up included a telephone interview with the primary caregiver ($n = 3,515$) and an in-home interview with and observations of the focal child ($n = 3,392$ for observations and 3,377 for the interview). In addition, teachers of focal children were recruited to participate in a mail survey ($n = 2,254$). The response rate at baseline was 82% for mothers who were unmarried and 87% for mothers who were married. Seventy-two percent of families who participated in the first wave completed the in-home observation and interview at the 9-year follow-up (Bendheim-Thoman Center for Research on Child Wellbeing, 2011a). We limited the analysis to include children who had always lived full-time or most of the time with their biological mother at age 9 ($n = 3,299$) to capture children's exposure to their parent's union and fertility histories. We excluded 237 families with incomplete data on mother-reported union and fertility histories. Our final analytical sample included 3,062 children, 2,327 of whom were born to mothers who were unmarried and 735 of whom were born to mothers who were married. (In multivariate analyses, sample sizes vary across outcomes because scores are not available on all items for all children.) We tested supplemental models that restricted the analytic sample to households with at least one other minor child present at

age 9 to distinguish the association of living with any other children from the association of multipartner fertility or the addition of a new partner's own children in our models. Results were substantively similar to those presented here. We used the age 9 city weight in multivariate analyses to adjust for nonresponse and unequal probability of selection into the sample. Weighted analyses are representative of children born to women residing in the 20 U.S. cities included in the FFS sample in 1998–2000.

Measures

Family instability was measured as the number of changes a child has experienced in coresident family structure since birth that resulted from a mother's union dissolution or new union formation. These unions include marriage and cohabitation but exclude noncoresidential romantic relationships. We did not count a transition from cohabitation to marriage as a union status change from the child's perspective (Manning, Smock, & Majumdar, 2004). Where families participated in two consecutive waves, the count of family structure changes incorporated information on union status at the prior and current waves and the respondent's report of unions that began and ended between waves. Where a family missed at least one wave but was observed at the age 9 interview, we used the union history collected at that wave to complete the count of family structure changes. (Fourteen percent of families missed at least one intervening wave between birth and age 9.) The variable ranges from 0 to 12 ($M = 1.84$), with family instability more frequent among children born to mothers who were unmarried ($M = 2.16$) than mothers who were married ($M = 0.84$). In our multivariate models, we constructed dummy variables from the continuous measure and compared children who experienced one transition, two transitions, or three or more transitions to children who experienced no transitions. We used this coding scheme to manage the skewed distribution of the variable and to distinguish more frequent union status changes that might be more characteristic of highly unstable family contexts from less frequent change. A measure treating union status changes as continuous produced results similar to those presented here.

Multipartner fertility was based on the mother's reported fertility history at the age 9 interview. The mother was asked to identify all of her biological children living in or out of the household and to indicate the biological father of each child. We focused on children who lived in the mother's household at the time of the report but recognize that the experience of having half-siblings elsewhere may also influence children's behavior and development. Where all children shared the same biological father, the measure took a value of 0 to indicate that the mother did not experience multipartner fertility. The variable ranged from 0 to 6 ($M = 0.69$), with multipartner fertility more frequent among children born to mothers who were unmarried ($M = 0.84$) than to mothers who were married ($M = 0.22$). For our multivariate analyses, we constructed two dichotomous indicators of mother's multipartner fertility, one indicating whether the mother had children with at least one other partner prior to the focal child's birth and the other indicating whether she had children with another partner after the focal child's birth.

Dependent Variables

We considered three measures of children's externalizing behavior and delinquency, each from a different source. Using data from a variety of sources overcomes potential respondent bias and provides insight into how children behave in different contexts. First, children self-reported their early delinquent behavior during the child interview at age 9 ($n = 2,288$). The scale included 17 items, and children were asked whether they had ever engaged in each behavior listed. These range from sneaking a sip of wine or beer to trespassing, stealing, vandalizing property, or setting fires. The items were recoded and summed to create a scale ranging from 0 to 17 with high positive skew (alpha = .70). We used factor analysis to determine whether distinct subtypes of delinquent behavior emerged from the original scale. We found that a single factor solution was most appropriate.

Mothers responded to 111 items from the Child Behavior Checklist (Achenbach, 1992), indicating whether each behavior described was *never, sometimes*, or *always* true of the focal child ($n = 2,178$). Twenty-seven items measured the underlying construct of externalizing behavior. *Externalizing behavior* is described as aggressive or rule-breaking behavior that is typically directed outward and in opposition

to other individuals or material goods (e.g., vandalism, breaking things) and is distinct from internalizing behavior, which is characterized by symptomatology that reflects depression and anxiety. Examples of externalizing behavior include fighting, arguing, stealing, or breaking items belonging to others. Items in the externalizing behavior scale were recoded to range from 0 (*never*) to 2 (*always*) and summed. Values ranged from 0 to 54 with high positive skew (alpha = .89).

Finally, teachers reported on children's classroom behavior in the mail-back survey (*n* = 1,494). The teacher indicated whether a child engaged in each of 12 behaviors *never, sometimes*, *often*, or *very often* in the last month. We selected six behaviors from the scale that are characteristic of externalizing behavior—fighting, arguing, threatening/bullying, talking back to adults, getting angry easily, and having temper tantrums (alpha = .92). The variables were recoded to range from 0 to 3 and summed into a measure ranging from 0 to 18. Teacher-reported measures of behavior problems are more often missing compared to measures reported by children or mothers. Children raised in stable two-parent families with single partner fertility were more likely than their peers to have teacher-reported behavior problem scores, as were children who are non-Hispanic White and who are more socioeconomically advantaged. The Pearson correlation coefficient for child-reported delinquency and parent-reported externalizing behavior problems was .32; the respective pairwise correlations between these outcomes and teacher-reported problem behavior were .34 and .41.

Family context. We used indicators of family context that have previously been associated with family instability and multipartner fertility on the one hand and children's outcomes on the other. All were measured at age 9 except where noted. We included a five-category measure of the child's household-to-needs ratio with cutpoints at 49%, 99%, 199%, and 299% of the federal poverty level to indicate financial hardship, which prior work has demonstrated is a correlate of multipartner fertility and a by-product of family instability (Osborne et al., 2012; Wu, 1996). We treated the variable as ordinal. Results were similar treating it as a categorical measure. We also included an ordinal measure of

self-reported maternal general health measured by a five-category variable ranging from *poor* to *excellent*. Because maternal depression is associated with family instability (Meadows et al., 2008; Osborne et al., 2012) and multipartner fertility (Fomby, 2016; Turney & Carlson, 2011), we tested whether this mechanism was associated with each type of family change. We used the conservative measure of self-reported maternal depression based on the Composite International Diagnostic Interview-Short Form, Section A (CIDI-SF) that is provided on the public release of the age 9 data file (Bendheim-Thoman Center for Research on Child Wellbeing, 2011b). The measure is dichotomous. Given that prior research has posited that family instability matters for children because of its effect on their relationships with parents (Cavanagh & Huston, 2006), we included an index of mother-child closeness based on four items from the child interview (how often mother talks with you about important issues; listens to you; spends time with you; and misses important events [reverse coded]). We used the average score on the four items for all children who responded to at least two items in the scale. An index of harsh parenting practices (Beck et al., 2010) reported by the child's caregiver (the child's mother in our analytic sample) was based on 10 items describing the frequency with which a caregiver shouted or cursed at the child, threatened the child, or used physical discipline (hitting, spanking, slapping, or pinching). Four response categories ranged from *never* to *more than 20 times* in the past year. We used the average score for caregivers responding to at least six of the 10 items. Because family instability and family size are associated with residential mobility and this in turn is associated with children's delinquent behaviors (Fomby & Sennott, 2013; Haynie & South, 2005; South & Haynie, 2004), we included the number of residential moves reported by the child's mother between birth and age 9.

To capture previously identified indicators of family boundary ambiguity that are associated with child well-being, our models included the following items: whether the focal child had seen his or her father in the last 30 days (with a control for whether the father is deceased; Guzzo, 2009); whether the biological father had children with another partner (Cancian et al., 2011); the mother's perceived support from family or friends for a financial loan, a place to

live, or emergency child care (range = 0 – 3; Harknett & Knab, 2007); and the child's reported relationship quality with half-, step-, and full siblings (Hetherington, 1999). The last item is a summed score based on two indicators: whether the child reported *never* or *only sometimes* comforting or helping a distressed sibling (vs. *often* or *always*) and whether the child reported starting fights with siblings *often* or *always* (vs. *never* or *sometimes*).

Our models also controlled for mother's race/ethnicity, child sex (1 = male), and age in months at the age 9 interview, mother's completed education at the child's birth, whether the mother was depressed at the year 1 interview, whether she used Medicaid as a form of insurance to pay for the child's birth (an indicator of financial hardship at the child's birth), her number of prior unions before the child's birth, child temperament at age 1, whether any family structure transitions or multipartner fertility occurred in the last 2 years, and the number of full siblings present in the child's household at age 9.

We used the mi impute suite of commands in Stata/SE version 14 to impute missing values on covariates to maintain the sample's generalizability and increase sample size. Between 1% and 5% of observations were missing on each covariate. In addition to all variables included in the analytic model, the imputation model included information on household composition, poverty status, and maternal depression at each wave, Spanish-language status, probability weights, and wave nonresponse. Dependent variables were included in the imputation models, but cases with imputed values were not included in our analytic models (von Hippel, 2007). Analyses were conducted on 10 imputed data sets derived from the imputation model.

Methods. Our multivariate models used negative binomial regression to account for the skewed nature of the dependent variables, and results are presented separately for children born to mothers who were unmarried and who were married. Given the highly skewed nature of the dependent variables, we assessed whether zero-inflated negative binomial regressions that would account for clustering at zero were more appropriate. In nearly all model specifications, the Vuong test indicated that coefficients from the two methods were statistically equivalent.

Because the zero-inflated model was not compatible with multiply imputed data, we retained the traditional negative binomial regression method.

Results

Table 1 summarizes the dependent variables and covariates separately for children born to mothers who were unmarried or who were married. Children born to mothers who were unmarried had significantly higher behavior problem scores reported from all sources ($p < .05$). More than one half of children born to mothers who were unmarried experienced two or more changes in residential family structure by age 9, compared to about one fourth of children born to mothers who were married. About 57% of children born to mothers who were unmarried had at least one older or younger sibling with a different father, more than three times the prevalence compared to children born to parents who were married. (Note that because children might have older and younger siblings through multipartner fertility, these categories are not mutually exclusive.) The co-occurrence of family instability and multipartner fertility was also more frequent among children born to mothers who were unmarried than to mothers who were married: Nearly one half of children born to mothers who were unmarried had both events in their family histories, compared to about one in eight children born to mothers who were married. The two subgroups were similar on child age and gender, maternal Hispanicity, mother–child closeness, and deceased father status but diverged significantly on all other indicators ($p < .05$).

Table 2 describes variation in the outcome measures by family structure history. In the pooled sample, children whose families experienced family instability or multipartner fertility had higher behavior problems scores on adult-reported outcomes compared to children who resided in stable households, but there were no significant differences in self-reported delinquency scores. Group differences in the outcomes by family structure history were less consistent between children born in married and unmarried parent households. Frequent union instability (three changes or more) was associated with higher levels of behavior problems across the three outcomes for children and with the two adult-reported outcomes for children born to mothers who were unmarried. These

Table 1. *Descriptive Statistics for Dependent Variables and Covariates, Weighted, Fragile Families and Child Wellbeing Study,* N = *3,062*

Variable	Unmarried at birth		Married at birth	
	Mean	SE	Mean	SE
Outcomes				
Self-reported delinquency (*n* = 2,288, 707)	1.161	0.094	1.024	0.267[a]
Mother-reported externalizing behavior (*n* = 2,178, 690)	5.693	0.316	4.574	0.435[a]
Teacher-reported problem behavior (*n* = 1,494, 530)	3.527	0.232	2.044	0.246[a]
Family structure and MPF history				
No family structure transitions	0.246	0.009	0.654	0.018[a]
1 family structure transition	0.186	0.008	0.093	0.011[a]
2 family structure transitions	0.278	0.009	0.156	0.013[a]
3+ family structure transitions	0.290	0.009	0.095	0.011[a]
Number of union transitions	2.163	0.043	0.844	0.056[a]
Single partner fertility	0.484	0.010	0.845	0.013[a]
1+ older siblings have different father	0.324	0.010	0.099	0.011[a]
1+ younger siblings have different father	0.272	0.009	0.063	0.009[a]
Number of MPF partners	0.840	0.019	0.223	0.018[a]
Co-occurrence of family structure change and MPF				
None	0.132	0.007	0.590	0.018[a]
MPF only	0.114	0.007	0.064	0.009[a]
Family structure transitions only	0.297	0.009	0.220	0.015[a]
Family structure transitions and MPF	0.456	0.010	0.125	0.012[a]
Full siblings in household	0.871	0.023	1.442	0.037[a]
Control variables				
Mother is non-Hispanic White	0.133	0.007	0.434	0.018[a]
Mother is non-Hispanic Black	0.581	0.010	0.253	0.016[a]
Mother is non-Hispanic other race	0.021	0.003	0.065	0.009[a]
Mother is Hispanic	0.266	0.009	0.248	0.016
Child is male	0.515	0.010	0.547	0.018
Child age in months	112.484	0.092	112.132	0.157
No. of minors in household	1.802	0.028	1.630	0.040[a]
Mother has < HS diploma	0.371	0.010	0.147	0.013[a]
Mother has HS diploma/GED	0.354	0.010	0.193	0.015[a]
Mother has some college	0.246	0.009	0.298	0.017[a]
Mother has college+	0.029	0.003	0.362	0.018[a]
Mother depressed at year 1	0.218	0.009	0.159	0.014[a]
Birth covered by Medicaid	0.746	0.009	0.273	0.016[a]
Any MPF in last 2 years	0.138	0.007	0.034	0.007[a]
Any family structure transition in last 2 years	0.058	0.005	0.046	0.008
Number of prior partners	1.924	0.050	2.781	0.119[a]
Child's temperament at age 1	2.871	0.023	2.626	0.036[a]
Family context (measured at age 9)				
No. of residential moves since birth	3.113	0.413	1.908	0.329[a]
Mother's physical health	3.467	0.021	3.835	0.036[a]
Mother–child closeness	2.086	0.012	2.101	0.021
Mother's harsh discipline	1.118	0.018	0.949	0.031[a]
Income-to-needs ratio, ordinal (1–5)	2.710	0.026	3.891	0.046[a]
Maternal self-reported depression	0.128	0.007	0.087	0.010[a]
Father no longer living	0.036	0.004	0.022	0.005
No father–child contact in last 30 days	0.383	0.010	0.105	0.011[a]
Father has children with other partner	0.253	0.009	0.065	0.009[a]
Unknown if father has other children	0.109	0.006	0.026	0.006[a]
Perceived financial support	2.593	0.017	2.786	0.022[a]
Poor sibling relationship quality	0.495	0.014	0.593	0.026[a]
N	2,327		735	

Note. MPF = multipartner fertility; HS = high school; GED = Graduate Equivalency Diploma.
[a]Group differences significant at *p* < .05.

Table 2. *Group Mean Comparisons of Dependent Variables by Family History, Overall and by Mother's Union Status at Birth, Weighted (N = 3,062)*

	Overall		Unmarried at birth		Married at birth	
	Mean	*SE*	Mean	*SE*	Mean	*SE*
Child-reported delinquency (*n* = 2,995)						
Family structure instability						
No family structure transitions	0.996	0.280	0.953	0.114	1.012	0.383
1 transition	0.986	0.106	0.941	0.107	1.092	0.245
2 transitions	1.122	0.194	1.337	0.267	0.796	0.249
3+ transitions	0.140	0.146	1.337	0.134[a]	1.564	0.415
Multipartner fertility						
No multipartner fertility	0.972	0.200	1.064	0.108	0.926	0.296
Older siblings have different father	1.351	0.148	1.157	0.108	2.036	0.459[a]
Younger siblings have different father	1.353	0.226	1.305	0.251	1.601	0.484
Mother-reported externalizing behavior (*n* = 2,868)						
Family structure instability						
No family structure transitions	4.262	0.436	4.600	0.458	4.194	0.564
1 transition	6.016	0.752[a]	6.990	0.947[a]	7.086	1.103[a]
2 transitions	5.567	0.543[a]	5.684	0.690	5.608	0.878
3+ transitions	5.573	0.394[a]	6.109	0.365[a]	4.081	0.847
Multipartner fertility						
No multipartner fertility	4.682	0.339	5.039	0.340	4.500	0.484
Older siblings have different father	6.172	0.499[b]	6.538	0.628[b]	4.976	0.543
Younger siblings have different father	6.293	0.602[b]	6.522	0.681	5.184	1.115
Teacher reported externalizing behavior (*n* = 2,024)						
Family structure instability						
No family structure transitions	1.932	0.185	2.750	0.313	1.621	0.230
1 transition	3.327	0.590[a]	3.880	0.706	1.784	0.438
2 transitions	3.160	0.365[a]	3.535	0.451	2.588	0.630
3+ transitions	4.524	0.533[a]	4.323	0.398[a]	5.517	1.729[a]
Multipartner fertility						
No multipartner fertility	2.206	0.166	3.202	0.288	1.704	0.205
Older siblings have different father	4.223	0.439[a]	4.261	0.487[a]	4.056	1.026[b]
Younger siblings have different father	4.147	0.543[a]	3.798	0.421	6.160	2.201[b]

Note. [a]*p* < .05 compared to category in top row of each panel.

[b]*p* < .10 compared to category in top row of each panel.

patterns generally held for children born to mothers who were married but were less often statistically significant.

Tables 3 to 5 presents results from negative binomial regression models estimating children's predicted behavior scores at age 9 separately for children born to mothers who were unmarried or mothers who were married. In each panel, Model 1 describes the association between family instability and self-reported delinquency controlling for background characteristics. Model 2 describes the association between mother's multipartner fertility and

self-reported delinquency accounting for the same background characteristics. Model 3 includes indicators of family instability and multipartner fertility simultaneously. Model 4 includes covariates representing exposure to family stress and family boundary ambiguity. Coefficients and standard errors associated with control variables were removed from the tables to save space. Results are available from the authors upon request.

Table 3 considers children's self-reported delinquent behavior. The exponentiated value of a given coefficient represents the percentage

Table 3. *Negative Binomial Regression Results From Models Predicting Self-Reported Delinquent Behavior (Unstandardized Coefficients With Standard Errors Beneath)*

	Unmarried				Married			
	1	2	3	4	1	2	3	4
Family instability (vs. no transitions)								
1 family structure transition	0.017		0.016	−0.130	0.023		−0.054	0.084
	0.165		0.163	0.152	0.313		0.318	0.397
2 family structure transitions	0.316		0.276	0.011	−0.303		−0.389	−0.422
	0.185		0.176	0.158	0.300		0.286	0.314
3+ family structure transitions	0.360*		0.349*	0.033	−0.027		−0.051	−0.275
	0.154		0.154	0.152	0.486		0.572	0.542
Maternal multipartner fertility (vs. single-partner fertility)								
1+ older siblings have different father		−0.139	−0.153	−0.112		0.597#	0.672*	0.662*
		0.132	0.127	0.123		0.305	0.309	0.288
1+ younger siblings have different father		0.245	0.155	0.006		−0.232	−0.240	−0.334
		0.187	0.181	0.167		0.466	0.575	0.547
Family context at age 9								
No. of residential moves since birth				0.064**				0.054
				0.023				0.043
Maternal physical health				0.044				0.081
				0.055				0.091
Mother–child closeness				−0.232*				0.014
				0.108				0.204
Maternal harsh discipline				0.312***				0.297*
				0.055				0.147
Income-to-needs ratio, ordinal (1–5)				0.028				−0.239
				0.054				0.106
Mother meets criteria for self-reported depression (CIDI-SF)				−0.016				0.183
				0.136				0.337
Father involvement (vs. seen father in last 30 days)								
Father no longer living				−0.027				−0.154
				0.228				0.755
Not seen father in last 30 days				0.016				0.277
				0.112				0.345
Paternal multipartner fertility (vs. single-partner fertility)								
Biological father has children with other partner				0.078				−0.172
				0.133				0.366
Unknown whether father has other children				−0.043				−0.019
				0.174				0.861
Perceived financial support from kin				0.090				0.125
				0.058				0.197
Child has poor relationship quality with siblings				0.214**				0.202
				0.078				0.130
Intercept	0.407	0.515	0.403	−1.138	5.705*	6.448*	5.746*	4.226
	1.695	1.722	1.646	1.493	2.664	2.788	2.766	2.776
Dispersion parameter (alpha)	1.09	1.104	1.081	0.823	1.271	1.252	1.230	1.078
	0.15	0.1522	0.1493	0.1326	0.3303	0.33	0.3202	0.295
N	2,288	2,288	2,288	2,288	707	707	707	707

Note. All models also control for child gender and age in months at age 9; mother's race/ethnicity, education, and union status at child's birth; mother's number of partners prior to the birth; whether the birth was covered by Medicaid; mother's depression at age 1; child temperament at age 1; whether any transition or multipartner fertility occurred in last 2 years; and number of coresident full siblings at age 9. CIDI-SF: Composite International Diagnostic Interview-Short Form.

#*p* < .10. *p < .05. **p < .01. ***p < .001.

Table 4. *Negative Binomial Regression Results From Models Predicting Mother-Reported Externalizing Behavior (Unstandardized Coefficients With Standard Errors Beneath)*

	Unmarried				Married			
	1	2	3	4	1	2	3	4
Family instability (vs. no transitions)								
1 family structure transition	0.460**		0.444**	0.288*	0.306		0.307#	0.208
	0.147		0.146	0.126	0.189		0.185	0.166
2 family structure transitions	0.227		0.159	0.028	0.277#		0.258#	0.376*
	0.146		0.131	0.113	0.152		0.156	0.151
3+ family structure transitions	0.309*		0.214#	0.121	−0.032		−0.093	−0.263
	0.120		0.119	0.104	0.282		0.335	0.211
Maternal multipartner fertility (vs. single-partner fertility)								
1+ older siblings have different father		0.163	0.149	0.105		−0.038	−0.067	−0.024
		0.100	0.095	0.081		0.206	0.208	0.145
1+ younger siblings have different father		0.371*	0.362*	0.197		0.214	0.240	−0.046
		0.149	0.143	0.135		0.207	0.292	0.224
Family context at age 9								
No. of residential moves since birth				−0.017				0.016
				0.013				0.027
Maternal physical health				−0.059				−0.093
				0.041				0.051
Mother–child closeness				0.024				−0.066
				0.064				0.092
Maternal harsh discipline				0.467***				0.559***
				0.039				0.058
Income-to-needs ratio, ordinal (1–5)				−0.148***				−0.115*
				0.035				0.054
Mother meets criteria for self-reported depression (CIDI-SF)				−0.015				0.061
				0.098				0.151
Father involvement (vs. seen father in last 30 days)								
Father no longer living				0.053				0.372
				0.185				0.282
Not seen father in last 30 days				0.052				−0.008
				0.088				0.153
Paternal multipartner fertility (vs. single-partner fertility)								
Biological father has children with other partner				−0.025				0.084
				0.089				0.186
Unknown whether father has other children				−0.289*				0.463*
				0.119				0.227
Perceived financial support from kin				−0.073				0.183*
				0.051				0.093
Child has poor relationship quality with siblings				0.017				0.094
				0.064				0.079
Intercept	1.723	1.407	1.476	1.509	5.133**	4.683**	5.176**	2.295
	1.474	1.389	1.357	1.155	1.810	1.799	1.809	1.541
Dispersion parameter (alpha)	0.897	0.902	0.880	0.653	0.646	0.662	0.644	0.326
	0.0735	0.0773	0.072	0.0619	0.117	0.121	0.1166	0.0786
N	2178	2178	2178	2178	690	690	690	690

Note. All models also control for child gender and age in months at age 9; mother's race/ethnicity, education, and union status at child's birth; mother's number of partners prior to the birth; whether the birth was covered by Medicaid; mother's depression at age 1; child temperament at age 1; whether any transition or multipartner fertility occurred in last 2 years; and number of coresident full siblings at age 9. CIDI-SF: Composite International Diagnostic Interview-Short Form.

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

Table 5. *Negative Binomial Regression Results From Models Predicting Teacher-Reported Problem Behavior*
(Unstandardized Coefficients With Standard Errors Beneath)

	Unmarried				Married			
	1	2	3	4	1	2	3	4
Family instability (vs. no transitions)								
1 family structure transition	0.214		0.217	0.126	0.201		0.243	0.209
	0.174		0.175	0.167	0.337		0.333	0.361
2 family structure transitions	0.265		0.284	0.249	0.331		0.302	0.222
	0.177		0.175	0.184	0.254		0.244	0.274
3+ family structure transitions	0.345*		0.357*	0.320 #	0.566*		0.500*	0.734*
	0.170		0.179	0.170	0.224		0.229	0.317
Maternal multipartner fertility (vs. single-partner fertility)								
1+ older siblings have different father		0.102	0.074	0.081		0.101	0.664*	0.648*
		0.110	0.112	0.114		0.110	0.299	0.315
1+ younger siblings have different father		−0.029	−0.123	−0.116		−0.028	0.240	−0.086
		0.176	0.178	0.181		0.174	0.361	0.371
Family context at age 9								
No. of residential moves since birth				−0.015				0.000
				0.026				0.048
Maternal physical health				−0.005				0.151
				0.064				0.105
Mother–child closeness				−0.120				0.054
				0.099				0.163
Maternal harsh discipline				0.199***				0.167
				0.054				0.114
Income-to-needs ratio, ordinal (1–5)				−0.075				0.154
				0.049				0.092
Mother meets criteria for self-reported depression (CIDI-SF)				0.169				0.346
				0.121				0.277
Father involvement (vs. seen father in last 30 days)								
Father no longer living				0.244				0.234
				0.191				0.462
Not seen father in last 30 days				0.137				0.559
				0.128				0.336
Paternal multipartner fertility (vs. single-partner fertility)								
Biological father has children with other partner				−0.080				−0.401
				0.144				0.372
Unknown whether father has other children				−0.359*				0.225
				0.171				0.577
Perceived financial support from kin				0.005				0.009
				0.075				0.140
Child has poor relationship quality with siblings				−0.056				0.083
				0.079				0.127
Intercept	2.357	2.355	2.340	2.163	6.239**	2.293	5.699*	3.953
	1.634	1.630	1.625	1.763	2.300	1.620	2.347	2.689
Dispersion parameter (alpha)	1.17	1.189	1.1674	1.138	1.121	1.189	1.081	0.934
	0.17	0.169	0.1647	0.158	0.309	0.170	0.298	0.273
N	1494	1494	1494	1494	530	530	530	530

Note. All models also control for child gender and age in months at age 9; mother's race/ethnicity, education and union status at child's birth; mother's number of partners prior to the birth; whether the birth was covered by Medicaid; mother's depression at age 1; child temperament at age 1; whether any transition or multipartner fertility occurred in last 2 years; and number of coresident full siblings at age 9. CIDI-SF: Composite International Diagnostic Interview-Short Form.

#*p* < .10. *_p_ < .05. **_p_ < .01. ***_p_ < .001.

change in the predicted value of the dependent variable for a one-unit change in the value of the independent variable. Model 1 in the first panel indicates that experiencing frequent (three or more) residential family transitions was associated with a higher predicted self-reported delinquency score among children born to mothers who were unmarried ($b = .360$, $\exp(b) = 1.433$, $p < .05$). Consistent with the descriptive results summarized in Table 2, a history of multipartner fertility was not associated with more delinquent behavior (Model 2). When history of family instability and multipartner fertility were considered together (Model 3), the coefficient associated with three or more union status changes remained statistically significant. Postestimation tests assessing coefficient equivalence in nested models with multiply imputed data confirmed that accounting for multipartner fertility did not significantly reduce the magnitude of the coefficient associated with three or more transitions compared to the magnitude in Model 2. In Model 4, the association of frequent transitions was reduced in magnitude by about 85% and became statistically nonsignificant. Postestimation tests indicated that much of this attenuation was attributable to the inclusion of residential mobility, mother–child closeness, mother's harsh discipline, and sibling relationship quality.

The second panel documents results from the same sequence of models for children born to mothers who were married. Model 1 indicates that changes in mothers' union status were not predictive of children's self-reported delinquent behavior. Children who had at least one older sibling through a different father (Model 2) had predicted delinquency scores 1.82 times higher than children who experienced their mother's single-partner fertility ($b = .597$, $\exp(b) = 1.816$, $p < .10$). When family instability and multipartner fertility were considered simultaneously (Model 3), older sibling multipartner fertility was predictive of a higher self-reported delinquency score ($p < .05$). This association was essentially unchanged when covariates associated with family instability and multipartner fertility were included in Model 4.

Table 4 summarizes results from models estimating a child's predicted mother-reported externalizing behavior score. Focusing first on children born to mothers who were unmarried, Model 1 shows that experiencing one transition or three or more transitions in family structure was associated with a significantly higher predicted externalizing behavior score compared to children who experience no union transitions. A mother's multipartner fertility after the focal child's birth was also predictive of higher externalizing behavior scores for children born to unmarried mothers ($p < .05$). Accounting for both sources of family change simultaneously (Model 3) only minimally reduced the magnitude of the coefficient associated with family structure transitions and subsequent multipartner fertility among children born to mothers who were unmarried. Accounting for potential confounders (Model 4) reduced the association of frequent family structure transitions and multipartner fertility with externalizing behavior below statistical significance and reduced the magnitude of the association of a single family structure transition with the outcome by about one third ($p < .05$). Poverty status and harsh maternal discipline were the strongest attenuators.

The association of each type of family change with externalizing behavior among children born to mothers who were married was less clear-cut. The magnitude of some associations was similar to that for children born to mothers who were unmarried, but coefficients did not achieve statistical significance. Children who experienced two transitions had higher predicted externalizing behavior scores compared to those who experienced no transitions (Model 2, $p < .10$), a relationship that held when multipartner fertility was taken into account and increased in magnitude and significance when other covariates were included (Model 4, $p < .05$).

Table 5 summarizes results from models estimating teacher-reported problem behavior. Regardless of parents' marital status at birth, high levels of family instability (three or more changes) were predictive of higher levels of reported problem behavior (Model 1). In baseline models, mother's multipartner fertility was not associated with problem behavior for children in either group (Model 2). When family instability and multipartner fertility were considered together (Model 3), frequent union instability remained statistically significant ($p < .05$) for both groups, and the association of having an older sibling through a different father with the outcome became statistically significant for children born to mothers who were married. These

associations were mostly robust to the inclusion of covariates associated with family change (Model 4).

Interaction Models

The preceding models considered family instability and multipartner fertility as independently related to children's behavior in middle childhood. Under this approach, the associations of each type of family change were expected to be additive. That is, where a child has experienced a mother's change in union status and her multipartner fertility, their collective predicted impact on that child's behavior score net of other covariates is equal to the transformed sum of the unstandardized coefficients associated with the two types of family change. Alternatively, family instability and multipartner fertility may interact so that when a child experiences both, the impact on his or her predicted behavior score is greater than (or less than) the sum of the two events considered independently.

To evaluate this approach, we tested models that interacted the categorical measures of family instability used here with a dichotomous measure of exposure to any maternal multipartner fertility to predict each outcome for children born to mothers who were married and mothers who were unmarried separately. (Models not shown; available upon request.) Only the interaction between exposure to one family structure change and any multipartner fertility was statistically significant in the model predicting teacher-reported behavior problems for children born to mothers who were married. Given the general consistency of the nonsignificant interaction terms, we conclude that the co-occurrence of family instability and multipartner fertility does not compound to have a stronger association with the outcomes considered than what we observed in an additive model.

Discussion

The dynamic and complex nature of contemporary children's experience of family structure is described by two concepts in family demography: family instability and multipartner fertility. Although recent research has documented the prevalence and consequences of these circumstances in children's families, there has been little work to consider the extent to which they co-occur or whether these related events are

empirically distinct in their association with children's well-being. These are questions of theoretical and practical significance. We used longitudinal data from the FFS to address this gap in the literature. We assessed variation in three measures of children's behavioral development at age 9 as an outcome of exposure to family instability and multipartner fertility. We conducted our analyses separately for children born to mothers who were unmarried and mothers who were married.

We report four main findings. First, family structure transitions and multipartner fertility often co-occur. One in eight children born to parents who were married and almost one in two children born to parents who were unmarried in large U.S. cities experience both types of family change by age 9. Second, family instability and multipartner fertility are associated with higher levels of behavioral problems in 9-year-old children, but the relationships vary across parents' union status at birth. High levels of family instability (three or more transitions) were positively associated with each of the three outcome measures for children born to mothers who were unmarried. Union instability was also associated with adult-reported outcomes for children born to parents who were married: two changes in union status predicted children's significantly higher externalizing behavior scores and three or more transitions predicted higher teacher-reported problem behavior. Multipartner fertility, as indicated by the presence of an older half-sibling in a child's household, was positively and persistently associated with self-reported delinquency and teacher-reported behavior problems among children born to parents who were married only. The presence of a younger half-sibling in the household of a child born to an mother who was unmarried was positively associated with parent-reported externalizing behavior scores.

Our third main finding is that indicators of family context reflecting family stress theory diminished the observed association between family change and child behavior to a greater extent than did those related to family boundary ambiguity. We posited that theoretical development in the area of family structure change should reflect the multiple relationships in children's lives that are shaped by the dynamic and complex nature of contemporary family formation. Ultimately, our results suggested that much of what attenuates the association of family

instability with children's behavior is observed within children's households. Children with a history of family instability also experience greater financial hardship, harsher discipline, and greater residential mobility at age 9 compared to children who experienced no union status change. The salience of these factors is consistent with family stress theory, which predicts that disruptions to the family system have potentially cascading consequences for household resources and parents' and children's coping mechanisms. The more inconsistent association of multipartner fertility with child outcomes was not well explained by household or nonresident parent characteristics, particularly among children born to mothers who were married.

We continue to advocate for theories that take into account a broader ecology of family change, but we also caution that this theory building and hypothesis testing will likely require data observed directly across the multiple households that complex families occupy. Child-centered studies including the FFS and the Early Childhood Longitudinal Study-Birth Cohort have pursued nonresident parents for this purpose, but the resulting samples tend to be biased in favor of parents who have more frequent contact and better quality relationships with their former partners. As an alternative, the genealogical design of a project like the U.S. Panel Study of Income Dynamics, which follows individuals descended from original sample members when they move into separate households, may provide another means to observe the households of sample children and their nonresident sample parents directly.

Fourth, based on post hoc tests of coefficient equivalence, the magnitude of the association of family instability and multipartner fertility coefficients are similar for children born to mothers who were married or mothers who were unmarried, with the exception of the relationship between multipartner fertility and child-reported delinquency. Some of the coefficients that were statistically insignificant in the married-parent sample might have been significant with a larger sample. These findings are provocative for suggesting that the process of family change is consequential for all children, regardless of the family structure status in which they begin or end up. We caution, though, that the observed similarities between children born to mothers who are married and mothers who are unmarried are

informative, they are not definitive and should not be regarded as generalizable to children born outside of large U.S. cities. Mothers who are married in the FFS more often identify as Hispanic or non-Hispanic Black, are more likely to lack a high school diploma, and have lower household income on average compared to mothers who are married in the United States as a whole (Wagmiller, 2010). Children born to parents who are married elsewhere might be better insulated from socioeconomic shocks that result from family instability or multipartner fertility.

This research contributes to the literature on the increasingly dynamic and complex nature of family structure by considering the co-occurrence of two sources of family change: family instability and multipartner fertility. It also emphasizes the value of a more holistic approach to identifying the social context in which children experience family change, including relationships with mothers, biological fathers, and siblings. We note that our research does include several limitations. First, as mentioned above, the results of our analysis are not generalizable to families with children born outside of the 20 U.S. cities included in the FFS sample. Second, the analytic sample is limited to children who have always resided with their biological mother to ensure that the children were exposed to their mother's union and fertility histories. Family structure change may have different associations with behavior for children who move away from their mother in response to her new union formation or childbearing. Moreover, we only included the partnership changes and multiple partners of the child's mother, which also underestimates the amount of instability and complexity children are exposed to from their father's relationships. The relationships that maternal and paternal instability and multipartner fertility each have with children's behavior may differ and deserve further exploration. Additionally, we have not taken the developmental timing of family structure transitions or a mother's subsequent multipartner fertility into account here. Our purpose was to determine whether these phenomena had distinctive consequences for children, and we worked with the most parsimonious specifications available to assess this question using outcome measures from multiple reporters available at the age 9 interview. Finally, we focused on children's behavioral problems because of their robust association

with family change. Future work should determine the extent to which a broader consideration of family dynamics and complexity is associated with children's health and cognitive and social well-being and whether the associations with children's well-being are similar to those for parents' adjustment. As families continue to become more complex and less stable, a more complete understanding of the level, consequences, and mechanisms related to these changes is needed.

The findings from this analysis also have important implications for policy that aims to strengthen families. As children's lives become more complex and less stable, they will need additional supports to offset the stressors brought about by family change. Social programs typically do not assess the level of family instability or complexity a mother or child has experienced and therefore miss an opportunity to target interventions that may ameliorate changes in resources and emotional support that family change precipitates.

NOTE

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