The Relative Risk and Timing of Divorce in Families of Children With an Autism Spectrum Disorder

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We compared the occurrence and timing of divorce in 391 parents of children with an autism spectrum disorder (ASD) and a matched representative sample of parents of children without disabilities using a survival analysis. Parents of children with an ASD had a higher rate of divorce than the comparison group (23.5% vs. 13.8%). The rate of divorce remained high throughout the son’s or daughter’s childhood, adolescence, and early adulthood for parents of children with an ASD, whereas it decreased following the son’s or daughter’s childhood (after about age 8 years) in the comparison group. Younger maternal age when the child with ASD was born and having the child born later in the birth order were positively predictive of divorce for parents of children with an ASD. Findings have implications for interventions focused on ameliorating ongoing and long-term marital strains for parents of children with an ASD.

Keywords: autism spectrum disorders, divorce, marital relationship, parent

Autism spectrum disorders (ASDs) are lifelong neurodevelopmental disorders involving a triad of impairments in communication and social reciprocity and increases in repetitive/restricted interests and behaviors (American Psychiatric Association, 2000). Parenting a son or daughter with an ASD poses several unique challenges (e.g., Seltzer, Krauss, Orsmond, & Vestal, 2000), which may take a toll on marriages. The extent of this toll in terms of divorce has been the topic of wide speculation in the media, with divorce rates of 80% and higher mentioned (Doherty, 2008; Solomon & Thierry, 2006), but the issue has not yet been addressed by empirical research. In this study, we compared the occurrence and timing of divorce among parents with an adolescent or adult with an ASD with a closely matched sample of parents of adolescents and adults without a disability drawn from a nationally representative sample. Family characteristics predictive of divorce are also identified.

Several studies have examined parental divorce in heterogeneous samples of children with a variety of disabilities or specific populations of children with disabilities other than ASD. Some of these studies indicate that parents of children with a disability have an increased risk of divorce as compared with parents of children without a disability (Breslau & Davis, 1986; Witt, Riley, & Cio, 2003; Wymbs et al., 2008). Other studies, however, have not shown an adverse impact of having a child with a disability on divorce (Joesch & Smith, 1997; Urbano & Hodapp, 2007), possibly suggesting that some disabilities exact a heavy toll on marriages, but others have little impact (Joesch & Smith, 1997; Risdal & Singer, 2004).

Few disabilities appear to be more taxing on parents than ASDs (Seltzer et al., 2001). Parents of children with an ASD fare worse on a variety of measures of well-being than parents of children without disabilities as well as parents of children with other types of disabilities (e.g., Abbeduto et al., 2004; Eisenhower, Baker, & Blacher, 2005). Several factors have been proposed to account for the poorer well-being of parents of children with an ASD, including the uncertainty surrounding ASD diagnosis and the long-term prognosis of individuals with an ASD, the stressful nature of
autistic symptoms and associated behavior problems, and the lack of public understanding of and tolerance for the behaviors of children with an ASD (Gray & Holden, 1992). Moreover, because of familial linkages, these parents may be caring for multiple children with special needs (Orsmond, Lin, & Seltzer, 2007), and are themselves at risk for evidencing a broader autism phenotype, which includes subtle impairments in social reciprocity and communication and increases in restricted/repetitive interests and behaviors (e.g., Piven, 2001) and psychiatric symptoms (e.g., Szatmari et al., 1995). Thus, in addition to the challenging nature of ASD, some parents may have more limited resources to cope with these demands, which may elevate their risk of family disruption, including marital dissolution.

In addition to examining the rate of divorce, it is important to understand the timing of divorce in families of children with an ASD to detect when couples may be most vulnerable to marital dissolution. Parents in the general population have the greatest risk of divorce prior to the child’s teenage years (Bramlett & Mosher, 2002; Cherlin, 1992; Shiono & Quinn, 1994). This vulnerability to divorce is believed to be related to the high level of parenting demands and stress of having children and the subsequent reduction in responsiveness to the needs of one’s spouse during these years (e.g., Shapiro, Gottman, & Carrere, 2000; Shiono & Quinn, 1994). If couples can survive these early years, however, their risk of divorce decreases, although there may be another smaller increase in risk of divorce during midlife (Furstenberg & Kiernan, 2001; Cherlin, 1992). In contrast to this typical pattern, parents of sons and daughters with an ASD continue to experience a high level of parenting demands and report elevated levels of stress into their child’s adolescence and adulthood (Abbeduto et al., 2004; Smith et al., 2010). Thus, these parents may experience a prolonged period of vulnerability to divorce that starts in their son’s or daughter’s childhood and persists into their adolescence and adulthood.

It is also important to explore the family characteristics that place parents of children with an ASD at risk for divorce. In families of children without a disability, maternal ethnicity/race has been shown to be related to divorce, with some minority groups (e.g., African Americans) evidencing an increased risk of divorce (Bramlett & Mosher, 2002; Tzeng & Mare, 1995). Risk of divorce is also higher if the parents are less educated, marry younger, and have children early in the marriage (Bramlett & Mosher, 2002; Karney & Bradbury, 1995; Ono, 2009). Younger maternal age and lower maternal education were also risk factors for divorce in parents of children with Down syndrome and other types of congenital disabilities (Urbano & Hodapp, 2007), and thus may have similar effects in families of children with an ASD.

Characteristics related to the child with an ASD may also be important predictors of parental divorce. Studies of children with disabilities indicate that parental stress and marital satisfaction are more strongly associated with the child’s behavior problems than his or her intellectual delay (e.g., Baker, Blacher, Crnic, & Edelbrock, 2002). Thus, whereas the presence of intellectual disability (ID) in addition to an ASD may not increase the risk of divorce, severity of aberrant behaviors may be related to marital dissolution. Having multiple children with an ASD in the family may also increase divorce, as parenting resources may be particularly taxed (Orsmond et al., 2007). Birth order of the child with an ASD may also play a role in parental divorce. Urbano and Hodapp (2007) found that divorce was less likely in families of children with Down syndrome when the child was born later (i.e., second vs. first born) in the birth order. It is unknown whether birth order is similarly predictive of divorce in families of children with an ASD.

In this study, we examined the occurrence and timing of divorce in 391 parents who have an adolescent or adult with an ASD, collected as part of an ongoing longitudinal study, as compared with a closely matched sample of 391 parents of adolescents and adults without a disability, drawn from a nationally representative sample, using a survival analysis. We also examined whether correlates of divorce reported in the literature for parents in the general population and with children with other types of disabilities also predicted divorce in parents of children with an ASD. We hypothesized that parents of children with an ASD would evidence more divorce than parents of children without a disability, and that the risk of divorce would remain high as their son or daughter moved through childhood, adolescence, and into adulthood. Mothers who were younger when they had their child and less educated were predicted to have a higher rate of divorce. The severity of the child’s aberrant behaviors and having multiple children with ASD in the family were also expected to be associated with an increased risk of divorce.

Method

Adolescents and Adults With Autism Study (AAA)

AAA is an ongoing longitudinal study of families of 406 adolescents and adults with an ASD in Massachusetts and Wisconsin (Lounds, Seltzer, Greenberg, & Shattuck, 2007; Seltzer et al., 2003). The present study used data from the first (collected in 1998–1999) through fourth (collected in 2003–2004) waves of data collection because data from the normative comparison group were also available for this same time period. Criteria for inclusion in the AAA study were that the son or daughter was age 10 or older at the beginning of the study, had received an ASD diagnosis (autistic disorder, Asperger disorder, or pervasive development disorders—not otherwise specified [PDD-NOS]) from an educational or health professional, and had a research-administered Autism Diagnostic Interview—Revised (ADI–R; Lord, Rutter, & Le Couteur, 1994) profile consistent with an ASD diagnosis. Almost all (94.6%) of the sons and daughters met the ADI–R lifetime criteria for a diagnosis of autistic disorder, and the remainder met criteria for Asperger disorder or PDD-NOS. Approximately half of the participants lived in Wisconsin (n = 202) and half in Massachusetts (n = 204), and were recruited through service agencies, schools, and clinics.

The 406 adolescents and adults with an ASD included 11 children from families with more than one child with
an ASD. In such families, one son or daughter with an ASD was selected to be the target child for the present analysis according to the following criteria: (a) the child who lived in the family home, (b) the older child if both children were living at home, and (c) a child was randomly selected in the case of triplets, all of whom lived at home. In an additional four families, mothers had never married the biological father of the son or daughter with an ASD, and these families were excluded from the present analyses, resulting in a sample for the present analysis of 391 families.

National Survey of Midlife in the United States (MIDUS)

The normative comparison group came from the MIDUS national survey of 7,108 English-speaking adults 25 to 74 years of age, which was first completed in 1994–1996 (MIDUS I; Brim, Ryff, & Kessler, 2004). A national random digit dialing sampling procedure was used. For each household contacted, a household member between 25 and 74 years of age was randomly selected and invited to participate in the study. In addition, subsamples of siblings of these individuals and twin pairs and oversamples from metropolitan areas were included (additional information can be found at http://www.midus.wisc.edu/). Follow-up data were collected in 2004–2006 (MIDUS II) from 4,963 (70%) of the MIDUS I participants. MIDUS II data were used to construct the comparison group for the present study because they coincided with the timing of the fourth wave of data collection in the AAA sample. Compared with the U.S. Census Bureau, the MIDUS sample was similar in demographics, with the exception of being slightly underrepresentative of adults with a high school education or less and African Americans (Brim et al., 2004).

Of the MIDUS II participants, 4,316 (87.0%) were parents, but 433 (10.03%) reported that they had at least one child with a disability or mental health condition and were excluded, leaving 3,883 MIDUS participants as potential members of the comparison group for the present analysis. The following procedure was used to create a matched comparison group with the AAA sample. First, because we were interested in examining divorce related to a particular child (i.e., the child with an ASD), we randomly selected a target child within each MIDUS II family. Then, the MIDUS II sample was stratified on the basis of the mother’s ethnicity (Caucasian vs. non-Caucasian) and education level (less than high school, high school, some college, and more than college). Within each stratum, we created a random number associated with each case and ordered the cases according to their random number. Using this new random order of cases, we selected the first case that matched an AAA family on the basis of mother’s ethnicity, education level, mother’s age (within 4 years) and index child’s sex, child’s age (within 3 years), and birth order (first vs. later born) until all of the AAA families were matched. Table 1 displays the participant characteristics of the 391 families in the MIDUS II comparison group.

There was not a significant difference on any of the matched variables between the AAA and MIDUS II comparison groups. Although not used in matching, there also was not a significant difference in total number of children between the AAA and MIDUS II comparison groups. There was not a significant difference in the average length of marriages (in years) of the biological or adoptive parents of the target child for couples who did not divorce between the AAA (M = 26.56, SD = 9.50) and MIDUS II (M = 27.54, SD = 9.47) groups.

Procedure and Measures

Mothers in the AAA sample participated in 2- to 3-hr, in-home interviews and completed self-administered measures. Parents in the MIDUS II sample participated in an hour-long telephone interview and completed self-administered measures.

Divorce. Information on divorce was collected through self-reported questionnaires in the AAA sample and telephone interviews in the MIDUS II sample. Only divorce involving the biological or adoptive parents of the target child was examined. The month and year the divorce was finalized were used in analyses. Of the 391 AAA families, 84 dropped out of the study prior to the fourth wave of data collection. Dropouts occurred because the family decided to no longer participate in the study (n = 64) or the family could not be located (n = 20). In an additional six families,
either the mother or child with an ASD died. Information on divorce in these 90 cases was obtained through searching the publicly accessible divorce records using the online Wisconsin Circuit Court Access system and the Massachusetts court county records. Records were searched using mothers’ first and last names and then verified using mothers’ date of birth, address, and husbands’ first and last names.

There were 10 cases in the AAA sample for which mothers reported being divorced, but the date of divorce could not be obtained by searching the Massachusetts or Wisconsin divorce records. It is likely that these families divorced in another state. Similarly, there were six cases in the MIDUS II comparison group for which mothers reported being divorced but did not report the date of divorce. These cases were not included in analyses regarding the timing of divorce.

Characteristics of families. We examined characteristics of the family as predictors of divorce, including mother’s age, race/ethnicity (White, non-Hispanic vs. other), education (less than a high school degree, high school degree or some college, college graduate, and more than college degree), and age when the target child was born. We also examined the target child’s age, sex, and birth order (first vs. later born) and family size (single child vs. multiple children).

For families of children with an ASD, the presence of ID was determined by assessing cognitive functioning on the Wide Range Intelligence Test (Glutting, Adams, & Sheslow, 2000) and adaptive behavior on the Vineland Screener (Sparrow, Carter, & Cicchetti, 1993). These assessments were administered in 2004. Children with scores above 75 on both measures were classified as having ID and those with scores below 75 on both measures were classified as having ID. For children with scores below 75 on only one of the two measures or for whom there were missing data, a review of available records (historical assessments, parent report of prior diagnoses, clinical and school records) combined with a clinical consensus procedure were used to determine ID status.

Aberrant behaviors were assessed through two measures of the child’s autism symptoms: report of their child’s age when problems were first noticed and the ADI–R (Lord et al., 1994) lifetime rating or rating of autism symptoms at their most severe manifestation (mainly rated at age 4–5 years). These measures were chosen because they capture the child’s aberrant behavior preceding the divorce in most cases. The ADI–R has good test–retest reliability and diagnostic and convergent validity (Hill, Bolte, Petrova, Beltcheva, Tacheva, & Poustka, 2001; Lord et al., 1994). The average interrater agreement between interviewers and two supervising psychologists in the present study was 88%. Items on the ADI–R are coded as 0 (symptom not present), 1 (symptom present but not severe enough to meet criterion), and 2 (symptom present and meets criterion). A score of 3 is recoded as a 2 in the algorithm. To include nonverbal children with ASD as well as verbal children, we excluded verbal items from this summary score.

Data Analysis Plan

The prevalence of divorce in the 391 parents of children with an ASD was statistically compared against the matched sample of 391 parents of children without a disability using Pearson’s chi-square test. A Kaplan–Meier survival analysis was conducted to evaluate differences in the marriage survival distributions of parents of children with an ASD and parents of children without a disability. This is a method for modeling time to event data; in this context, divorce is the event and years of marriage following the birth of the target child (i.e., latency to divorce following the birth of the child) is the time variable. The Kaplan–Meier survival analysis has the advantage of accounting for “censored” data (i.e., likelihood that divorce occurs subsequent to the end of data collection). The 381 families of children with an ASD and 385 families of children without a disability for whom years married following the birth of the target child could be determined were included in the survival analysis. The Breslow (1979) statistic was used to test for differences in latency to divorce between parents of children with an ASD and parents of children without a disability.

Binary logistic regression analyses were conducted to examine the impact of family characteristics on divorce in parents of children with an ASD and parents of children without a disability. This analysis provides the relative risk ratios (i.e., likelihood of divorce) given the presence of a specific risk factor, controlling other risk factors. Mother’s education (0 = less than college degree, 1 = college degree of more), race/ethnicity (0 = White, non-Hispanic, 1 = other), maternal age when the target child was born (in years), target child sex (0 = female, 1 = male), family size (0 = single child, 1 = multiple children), and birth order (0 = first born, 1 = later born) were entered into the regression model for both parents of children with and without an ASD. The following ASD-specific variables were also entered into the model for parents of children with an ASD: age when problems were first noticed (in months), ADI–R lifetime score, and presence of other children with an ASD in the family (0 = no, 1 = yes).

Results

Prevalence and Timing of Divorce

The prevalence of divorce was significantly higher among the parents of children with an ASD (n = 92, 23.53%) than the parents of children without a disability (n = 54, 13.81%). Pearson’s χ²(1, N = 781) = 12.16, p < .001. As shown in Figure 1, there was a significant difference in the survival distributions of parents of children with an ASD and parents of children without a disability, Breslow χ²(1) = 8.55, p = .003. The rate of decline in the remaining marriages for parents of children without a disability tapers off in the target child’s late childhood (i.e., about age 8 years), and continues to flatten out until the
target child has reached age 26 years, when the rate of divorce is virtually nonexistent. In other words, the risk of divorce begins to decrease in the child’s late childhood for parents of children without a disability, and is extremely low by the time the son or daughter is a young adult. In contrast, the risk of divorce for parents of children with an ASD remains steep throughout the child’s adolescence and early adulthood and does not decrease until the target child has reached age 30 years. Thus, parents of children with an ASD continue to have a high risk of divorce through the son’s or daughter’s childhood, adolescence, and early adulthood.

Follow-up Analyses

Follow-up analyses were conducted to ensure that results were robust against possible selection differences between the two samples. First, we examined the impact of parent death on the prevalence of divorce. Of the couples who did not experience a divorce, a parent death occurred in 33 (8.43%) AAA families and 37 (9.46%) MIDUS II families, which is not a significant difference. Because divorce is no longer an option for these families, we reran the survival analysis excluding these cases. Parents of children with an ASD continue to have a high risk of divorce through the son’s or daughter’s childhood, adolescence, and early adulthood.

Second, we performed a series of calculations to estimate the impact of differences in the way that dropouts were handled within our two samples. To obtain complete divorce information through 2004 for both groups, we selected our comparison group of families of children without a disability from the second wave of MIDUS data collection (MIDUS II); thus, families who dropped out of the study prior to 2004 were not included. In contrast, all families of children with an ASD originally enrolled in the AAA study were included in this sample by searching divorce records for the 84 families who dropped out of the study prior to 2004. We recalculated the Pearson chi-square statistic for the overall likelihood of divorce using the smaller sample of 307 AAA families who remained in the study through 2004 and 307 matched MIDUS II families. The prevalence of divorce continued to be significantly higher among the parents of children with an ASD (n = 72, 23.92%) than the parents of children without a disability (n = 47, 15.60%), Pearson’s $\chi^2(1, N = 601) = 6.03, p = .01$. Results from the Kaplan–Meier survival analysis for this smaller sample continued to indicate that parents of children with an ASD had a shorter latency to divorce than parents of children without a disability. Breslow $\chi^2(1) = 4.90, p = .03$. The pattern of decline in marriages was also similar.

Third, we examined whether the prevalence of divorce differed within the states from which the two samples were drawn. The MIDUS II comparison group included families

Figure 1. Survival plot for divorce in parents of children with an autism spectrum disorder (ASD) and parents of children without a disability.
living in 45 states, whereas the AAA families resided in Wisconsin or Massachusetts. The averaged divorce rate (per 1,000 total population residing in the state) reported by the Division of Vital Statistics, National Center for Health Statistics, Centers for Disease Control and Prevention (2007) for Wisconsin and Massachusetts, is lower than the national average divorce rate by a magnitude of 0.38. Thus, the heightened prevalence of divorce in parents of children with an ASD as compared with parents of children without a disability may be more pronounced than what was captured in our study. However, by closely matching our samples on maternal characteristics, regional differences in divorce rates may have been accounted for in our analyses.

**Family Characteristic Predictors of Divorce**

Table 2 presents the binary logistic regression results for the impact of family characteristics on divorce in parents of children with an ASD and without a disability. For parents of children with an ASD, maternal age at which she had the target child and birth order significantly predicted divorce. The rate of divorce was greater when mothers were younger when they had the child with an ASD and when the child with an ASD was born later in the birth order. The effect size is reported with respect to the odds ratio (i.e., exp(B), indicating how the odds of divorce change for each unit change in the predictor). For example, the odds ratio effect size of 0.90 for maternal age at childbirth implies that the odds ratio of divorce decreases by multiples of 0.90 for each year increase in maternal age, assuming all other variables are equal. There were no significant family characteristic predictors of divorce in the comparison group.

**Discussion**

This study is the first systematic examination of the relative risk and timing of divorce in a large sample of parents of children with an ASD. The present study also constitutes the first step toward identifying family characteristic predictors of divorce within families of children with an ASD. Fully three fourths of the marriages of parents of children with an ASD in our sample remained intact, at least through the time of the present analysis, indicating that most marriages survive despite having a child with an ASD. Nevertheless, the rate of divorce was nearly twice the rate of the comparison group, which was closely matched on key characteristics and drawn from a nationally representative sample. The heightened risk of divorce in parents of children with an ASD is consistent with findings that these families experience an extraordinary level of stress (e.g.,

<table>
<thead>
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<th>Variable</th>
<th>B</th>
<th>SE</th>
<th>Wald</th>
<th>OR Exp(B)</th>
<th>95% CI</th>
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<tr>
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</tr>
<tr>
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<td>[0.63, 1.80]</td>
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<td>0.02</td>
<td>0.93</td>
<td>[0.33, 2.56]</td>
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<td>0.03</td>
<td>12.94**</td>
<td>0.90</td>
<td>[0.85, 0.95]</td>
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<tr>
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</tr>
<tr>
<td>Sex</td>
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<td>0.31</td>
<td>3.41</td>
<td>1.78</td>
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<td>7.19**</td>
<td>0.44</td>
<td>[0.24, 0.80]</td>
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<td>1.15</td>
<td>1.63</td>
<td>[0.67, 3.95]</td>
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<td>1.19</td>
<td>0.72</td>
<td>[0.40, 1.30]</td>
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<td>Age first noticed problems</td>
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<td>0.01</td>
<td>0.90</td>
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<td>0.98</td>
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<td>0.04</td>
<td>1.18</td>
<td>[0.23, 6.19]</td>
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<td><strong>Mother</strong></td>
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<td>Education</td>
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<td>Age had child</td>
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<tr>
<td>Sex</td>
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<td>Family size</td>
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<td>0.60</td>
<td>0.27</td>
<td>0.73</td>
<td>[0.23, 2.38]</td>
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*Note.* OR = odds ratio; CI = confidence interval; ASD = autism spectrum disorder; ID = intellectual disability; ADI–R = Autism Diagnostic Interview—Revised. ASD: overall $\chi^2(8, N = 382) = 23.90, p = .01$. Nagelkerke $R^2 = .09, p < .01$. No ASD: $\chi^2(5, N = 385) = 15.46, p = .02$. Nagelkerke $R^2 = .07$. Education: less than a college degree = 0, college degree or more = 1. Race/ethnicity: White, non-Hispanic = 0, other = 1. Child sex: girl = 0, boy = 1. Birth order: first born = 0, later born = 1. Family size: single child = 0, multiple children = 1. ID: no ID = 0, ID = 1. Siblings with ASD: no = 0, yes = 1.

* $p \leq .05$. ** $p \leq .01$. 
Seltzer et al., 2000; Smith et al., 2010). This finding is similar to the heightened rate of divorce found in parents of children with attention-deficit/hyperactivity disorder, who were also twice as likely to divorce as parents of typically developing children (Wynbs et al., 2008).

As expected, parents of children with an ASD had a prolonged period of vulnerability to divorce. Specifically, there was a relatively high, and equivalent, risk of divorce for both the comparison group and families of children with an ASD during the son’s or daughter’s early childhood (until age 8 years). However, the risk of divorce markedly decreased in the son’s or daughter’s late childhood for our comparison group. A similar pattern has been found in the general population; the risk of divorce has been shown to be highest during the first several years of marriage, when children are young (e.g., Bramlett & Mosher, 2002; Shiono & Quinn, 1994), and in part, is attributed to the high level of parenting demands and stress and subsequent lack of attention devoted to one’s spouse during these years (Shapiro et al., 2000). As children without a disability age, they launch into their own independent lives and parenting demands and stress often decrease, affording a renewed focus on the marital relationship. In contrast to this normative pattern, the risk of divorce remained high into the son’s or daughter’s early adulthood (age 30 years) for parents of children with an ASD. Parents of children with an ASD often continue to have a “full nest” (i.e., children living at home; Seltzer et al., 2000) and high levels of parenting demands and stress (e.g., Smith et al., 2010); subsequently, they may continue to experience marital strain into their son’s or daughter’s early adulthood. In our sample, nearly all (94.6%) of the parents who divorced co-resided with their child with ASD at the time of their divorce. Moreover, parents are faced with a unique set of challenges as their child with an ASD ages into adolescence and adulthood, including assisting their son or daughter in transitioning out of school and into job and community settings and planning for long-term care, which may add new strains on parents’ marriages. It is interesting that there was not a significant difference in the prevalence of divorce between parents of children with an ASD and our comparison group during the son’s or daughter’s early childhood (prior to age 8 years). Although different in nature, the challenges of having a young child with an ASD may not place more strain on marriages than the challenges of having a young child without a disability, given that parenting demands and stress are high in both cases.

There were significant family characteristic predictors of divorce. As expected, mothers of children with an ASD who were younger when they had their child were at greater risk of divorce. This finding has also been shown in studies of parents of children without a disability (e.g., Bramlett & Mosher, 2002) as well as parents of children with Down syndrome (Urbano & Hodapp, 2007), although it was not significantly associated with divorce in our comparison group. An elevated rate of divorce was also related to having a child with an ASD later in the birth order (i.e., second or later born). This finding is in contrast to findings of an increased risk of divorce being related to earlier birth order in families of children with Down syndrome (Urbano & Hodapp, 2007). The mechanisms driving this syndrome difference are not clear and should be examined in future studies. Birth order of the target child was not significantly related to divorce in families of children without a disability. Unexpectedly, there was not a significant relation between having multiple children with an ASD and divorce, which may be due to the small number of families (n = 10) with more than one child with an ASD in our sample.

In contrast to our prediction, onset and severity of early autism symptoms were also not significantly predictive of divorce. This finding may be related to several factors. First, dimensions of autism symptoms (e.g., predictability and course over time) other than onset and severity of early autism symptoms may take a greater toll on marriages. Moreover, among parents of children with an ASD, parenting stress is often more related to co-occurring behavior problems (e.g., aggression and hyperactivity) than autism symptoms (e.g., Lecavalier, Leone, & Wiltz, 2006). Thus, it may be that these co-occurring behavior problems are also more predictive of divorce within families of children with an ASD than autism symptoms. Second, parents’ coping strategies or their own presence of a broader autism phenotype (i.e., milder autism features and impairments) and psychiatric problems may greatly moderate the degree to which their child’s autism symptoms affect marriages. The mechanisms leading to divorce likely involve cascading effects of the interplay of these and other family characteristics with spousal behaviors and life experiences over time and should be the focus of future studies with larger samples and a longer follow-up period.

There are several other limitations to this study. Our comparison group, which was selected from a large study of adults in their midlife (MIDUS), has the advantage of offering a normative sample of families of children without a disability. A disadvantage of this comparison group is that the sampling procedures differed from those used in the AAA study. However, several follow-up analyses were conducted, and these sampling differences were estimated to have little impact on the overall pattern of findings in the survival analysis. The prevalence of divorce may have been slightly underestimated in our sample of parents of children with an ASD. Our sample of families of children with an ASD resided in Wisconsin and Massachusetts, states with relatively low rates of divorce, whereas our comparison group was located throughout the United States. The heightened risk of divorce in parents of children with an ASD may be more pronounced when controlling for this regional difference. However, by closely matching on several maternal characteristics, we likely accounted for some of the regional differences between our groups. It is also possible that divorced parents were less likely to volunteer for the study. Also, parents who dropped out of the study may have gotten a divorce in a state other than Wisconsin and Massachusetts and were thus falsely counted as not divorced. Moreover, the prevalence of divorces occurring at later stages (i.e., during the child’s middle to late adulthood) may not have been fully captured in this
study. Generalizations of findings from this study should be made cautiously. The rate, timing, and correlates of divorce in families who do not participate in research studies may differ from those of families who do participate. Families in this study were also predominately White, non-Hispanic and college-educated, and thus findings may not generalize to less educated and minority families of children with an ASD. Finally, family characteristics, including the onset and severity of the child’s autism symptoms, were reported by mothers and may be open to bias and not representative of fathers’ perspectives. However, the likelihood that maternal perceptions biased ratings of autism symptoms is low given that the ADI-R has a standardized interview procedure and trained coding system.

Even given these limitations, this study provides the first large-scale examination of divorce in parents of children with an ASD using a closely matched comparison group. Findings have important implications for enhancing services for families of children with an ASD. Service providers should be educated about the heightened risk and timing of divorce in families of children an ASD. Parents should be guided in identifying strategies to enhance their marital relationship in an ongoing way, such as learning how to best communicate with and support their spouse and carving out “couple time.” Given their prolonged period of vulnerability to divorce, couples may need to remain vigilant to recurring “couple time.” Given their prolonged period of vulnerability to divorce, couples may need to remain vigilant to recurring

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**Call for Papers for a Special Section of the Journal of Family Psychology: Advances in Mixed-Methods in Family Psychology: Integrative and Applied Solutions for Family Science**

Editors: Barbara H. Fiese, and Thomas S. Weisner

Over the past decade significant advances have been made in study design, analytic strategies, and technological support that allow for the integration of quantitative and qualitative methods. Mixed-methods refer to the integration of quantitative (numbers, variables, models, statistics) and qualitative (words, text, stories, discourse, narratives, photos, video) techniques in the study of family settings and family processes. Representing settings and processes in more than one of these ways often can produce results that would not otherwise have been found. It can bring us closer to understanding complex family circumstances such as contextual influences on relationships, changes over time, bidirectional nature of relationships, as well as the role of cultural meanings, interpretation, and beliefs in social interactions.

This special section of the *Journal of Family Psychology* is aimed at highlighting recent research that advances the systematic integration of these techniques that can be applied to issues of key concern to family psychologists. Focus in mixed-methods in enhancing conceptualization and theory in family research, designs, methods, analyses; appropriate inferences from these methods; and ways to report such research are all suitable. Appropriate topics for this special section may include, but are not limited to, contextual influences on family health and well-being, family intervention studies, linking mechanisms and processes of family effects to other levels or analysis or to key outcomes, cultural and ethnic comparisons using mixed methods, comparing household and kinship group units to the family unit, studies of low incidence events, and advances in family measurement using mixed-method designs. Questions about the special section can be addressed to the guest editors, Barbara H. Fiese, Ph.D. (bhfiese@illinois.edu) or Thomas S. Weisner, Ph.D. (tweisner@ucla.edu). Manuscripts must be submitted through the *Journal of Family Psychology* portal (http://www.apa.org/pubs/journals/fam/) no later than **January 10, 2011**. Please note that the submission is for this special section.