Race, Family Conflict and Suicidal Thoughts and Behaviors among 9–10-Year-Old American Children

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Abstract: Family conflict is known to operate as a major risk factor for children’s suicidal thoughts and behaviors (STBs). However, it is unknown whether this effect is similar or different in Black and White children. Objectives: We compared Black and White children for the association between family conflict and STBs in a national sample of 9–10-year-old American children. Methods: This cross-sectional study used data from the Adolescent Brain Cognitive Development (ABCD) study. This study included 9918 White or Black children between the ages of 9 and 10 living in married households. The predictor variable was family conflict. Race was the moderator. The outcome variable was STBs, treated as a count variable, reflecting positive STB items that were endorsed. Covariates included ethnicity, sex, age, immigration status, family structure, parental education, and parental employment, and household income. Poisson regression was used for data analysis. Results: Of all participants, 7751 were Whites, and 2167 were Blacks. In the pooled sample and in the absence of interaction terms, high family conflict was associated with higher STBs. A statistically significant association was found between Black race and family conflict, suggesting that the association between family conflict and STBs is stronger in Black than White children. Conclusion: The association between family conflict and STBs is stronger in Black than White children. Black children with family conflict may be at a higher risk of STBs than White children with the same family conflict level. These findings align with the literature on the more significant salience of social relations as determinants of mental health of Black than White people. Reducing family conflict should be regarded a significant element of suicide prevention for Black children in the US.

Keywords: family relations; race; suicidal thoughts and behaviors; suicide; children

1. Background

Social relations are considered salient determinants of mental health outcomes [1]. Conflicting relations are known to increase the risk of undesired mental health outcomes for populations and individuals [2]. One of the main outcomes that are shown to be under the influence of conflicting relations is suicidal thoughts and behaviors (STBs) in both adults [3] and children [4]. However, some growing research shows that social relationships may have differential associations with the mental health of White and Black people [5]. We are, however, not aware of any previous studies on differences between White and Black children regarding the associations between conflicting family relations and suicidal thoughts and behaviors (STBs) [6].
Multiple theoretical frameworks suggest a link between family conflict and mental health outcomes such as STBs in children. Social support theory by Cohen [7] and House [8] suggest that relationship quality is a salient determinant of health. Based on Lazarus’s stress theory [9], we expect conflicting relations to operate as a risk factor for various mental health outcomes across age groups [10]. However, Krause, Chatters, Assari, Lincoln, and others have shown that social relations may be more influential for Black than White individuals. In response to slavery, racism, and discrimination, Black communities may have turned to social relationships [11]. At the same time, due to multiple Jeopardy hypothesis, we expect the same risk factor to have a more significant detrimental effect on the mental health of Blacks than Whites, simply because Blacks are already exposed to a wide range of social stressors, so they have become more vulnerable to the very same risk factors [12]. Finally, based on minorities’ diminished returns (MDRs) theory [13–15], we would expect family-level risk and protective factors to show diminished associations with mental health outcomes for Black than White communities. This is in part because, for Blacks, structural racism, social stratification, and other higher-level adversities may reduce the degree by which a risk factor or a protective factor translates to outcome [13].

Close relations such as those in the family not only provide social support but also become a source of negative interactions, relations, and encounters, which have undesired effects [16,17]. Family conflict, defined as negative social interactions that occur between members of the family, has significant influences on children’s mental health [18,19]. Given that young children are highly dependent on their parents, and as the family is the primary place of child development [20], children can be vulnerable to the mental health effects of negative family relationships [20]. As shown by Bauermeister, bad tends to be stronger than good [21]. As a result, conflicting relations seem to have a larger undesired effect on children’s mental health than the protective effects of support and positive relations [22]. Extensive research has connected family conflict to undesired mental health outcomes such as depression, anxiety, substance use, and suicide [23]. However, very little is known about racial variation in the role of conflicting family relationships as a risk factor for children’s suicidal thoughts and behaviors (STBs).

There is limited research comparing White and Black children for the association between social relations and STBs. Traditionally, STBs are seen as a White, not a Black public health problem [24,25]. Historically, most research shows that in children, youth, and adults, Whites are more likely to commit suicide than Blacks [26–28]. Low STBs are attributed to the low acceptability of STBs in Black families [29,30] that is attributed to the high religiosity [29], supportive social relations [31–33], and resilience [34–36] in Black communities. This pattern is also described as the Black–White mental health paradox, and some have argued that Blacks may have flourished in the presence of adversities, while Whites have been ill-prepared to handle stress as a function of their social privilege [37–39]. More recently, however, an alarmingly increasing trend of STBs in Black children, particularly boys, has been observed [40]. The National Institutes of Health (NIH) has called Black youth suicide a national crisis.

While a wide range of other factors such as sex, age, SES, academic success, substance use, depression, and stress also matter [41], a recent study using the Adolescent Brain Cognitive Development (ABCD) study data showed that in 9–10-year-old American children, family conflict seems to be one of the most substantial STB risk factors [42]. The study, however, did not test racial and group differences in the relevance of family conflict as a correlate of STBs [42].

Research has shown that STBs may correlate differently to risk factors such as stress in White and Black children, youth, and adults [43,44]. In a study of 229 18–33-year-old young adults, racial groups reported what had precipitated their STBs [45]. Although, overall, suicidal ideation was most frequently precipitated by an intrapersonal factor, followed by an interpersonal factor, Whites reported less interpersonal precipitation before their STBs than Hispanic, Asian, and biracial young adults [45]. A growing literature shows that stress may have a differential association for Black and White individuals’ mental health.
This is based on the observation that chronic stress is more common in the lives of Black than White individuals [46]. In this view, high levels of stress in the lives of Black families may have prepared them to better face additional stress or increased their vulnerability to additional stress [47]. Conflicting findings have been reported, providing support for both sides of the argument. For example, one study showed a stronger association between general stress and depression for Whites than Blacks [34], while another study showed a stronger association between financial stress and depression for Blacks than Whites [36].

More recently, some research has shown that relationship quality, including those negative, may be more consequential for the mental health of Black than White individuals. For instance, Lincoln and colleagues showed that Blacks are more vulnerable to mental health effects of positive and negative relationships than Whites [48]. Krause and colleagues have shown that social support in the church setting has more consequences for Blacks than Whites [49–51], and another study showed that secular and religious social support are both more strongly associated with depression in Black than White individuals [52]. The same finding is shown by other research as well [5,53]. However, this literature is mostly on adults or even older adults, and few studies were done among children. Given that tolerance and resilience toward stress develop over time [54], it is important not to assume that the same pattern would be seen for children and test the racial difference in the association between the relationship quality and mental health of White and Black children. However, even for children, all types of stress seem to be higher for Blacks than Whites, meaning that additional stress in the lives of Blacks is not absent in the lives of Black children [55]. So, it is likely that the Black–White difference in the correlation between various types of stress and mental health outcomes would be observable in children [56].

Understanding how racial groups differ in the correlation between family conflict, as a primary social risk factor, and STBs, may improve our capability for suicide prevention, diagnosis, and treatment in Black children [57]. Such results may inform policies, practices, and interventions that can target racial subgroups and focus on those most vulnerable to STBs. The information on racial differences in correlates of STBs may help tailor suicide prevention programs for diverse populations for Black children and their families [45]. Still, we know little about how race may interact with family conflict as an STB risk factor [58].

**Objectives**

To address the paucity of research on the interactive effects of race and STB risk factors among American children, we tested racial differences in the association between family conflict and childhood STBs. To do so, we used a national sample of 9–10-year-old American children.

**2. Methods**

**2.1. Design and Setting**

This is a secondary analysis of the Adolescent Brain Cognitive Development (ABCD) study data [59,60]. The analysis only used wave 1 (baseline) data; thus, the study has a cross-sectional design.

**2.2. Sample and Sampling**

The ABCD study included children between the ages of 9 and 10. The ABCD children were enrolled from multiple cities across multiple states. Children were recruited into the ABCD study from 21 sites across 15 states. The primary strategy for sampling in the ABCD study was sampling through school systems [61]. In the current study, we only included White and Black males and females.

**2.3. Outcome**

The children’s STBs (at baseline) were calculated based on the participants’ responses to the items on various aspects of STBs (Table 1) [62,63]. STBs were treated as a count measure that potentially ranged from 0 to 22. This STB variable (sum score) had a Cronbach’s
alpha of 0.756. This measure was measured using K-SADS. A fully structured interview was implemented to test the presence or absence of each of the items listed in Table 1.

Table 1. Items used to measure STBs in children.

| Measure/Item                                                                 | Answers   | Coding |
|------------------------------------------------------------------------------|-----------|--------|
| **Suicidal Thoughts and Behaviors (Measured Using K-SADS-Structured Interview with the Child)** |           |        |
| Suicidal ideation, Present                                                   | No/Yes    | 0/1    |
| Suicidal ideation, Past                                                      | No/Yes    | 0/1    |
| Suicidal attempt, Present                                                    | No/Yes    | 0/1    |
| Self-injury, intent to die, Present                                          | No/Yes    | 0/1    |
| suicidal ideation thought of method, Present                                | No/Yes    | 0/1    |
| suicidal ideation, intent to act, Present                                    | No/Yes    | 0/1    |
| suicidal ideation, specific plan, Present                                    | No/Yes    | 0/1    |
| suicidal behavior, made preparations, Present                               | No/Yes    | 0/1    |
| Aborted or interrupted suicide attempts, Present                            | No/Yes    | 0/1    |
| Method of actual suicide attempt, Present                                    | No/Yes    | 0/1    |
| Suicide attempt, thought could die, Present                                  | No/Yes    | 0/1    |
| Self-injury, intent to die, Past                                             | No/Yes    | 0/1    |
| Self-Injury, thought could die from behavior, Past                          | No/Yes    | 0/1    |
| suicidal ideation thought of method, Past                                    | No/Yes    | 0/1    |
| suicidal ideation, intent to act, Past                                       | No/Yes    | 0/1    |
| suicidal ideation, specific plan, Past                                       | No/Yes    | 0/1    |
| suicidal behavior, made preparations, Past                                  | No/Yes    | 0/1    |
| Aborted or interrupted suicide attempts, Past                               | No/Yes    | 0/1    |
| Number of suicide attempts, Past                                            | No/Yes    | 0/1    |
| Suicide attempt, method, Past                                               | No/Yes    | 0/1    |
| Expect could die from suicide attempt, Past                                 | No/Yes    | 0/1    |
| **Family Conflict (Self-Report; The Family Environment Scale)**              |           |        |
| We fight a lot in our family.                                                | No/Yes    | 0/1    |
| Family members sometimes get so angry they throw things.                    | No/Yes    | 0/1    |
| Family members hardly ever lose their tempers.                              | No/Yes    | 0/1    |
| Family members often criticize each other.                                   | No/Yes    | 0/1    |
| Family members sometimes hit each other.                                    | No/Yes    | 0/1    |
| Family members rarely become openly angry.                                  | No/Yes    | 0/1    |
| If there is a disagreement in our family, we try hard to smooth things over and keep the peace. | No/Yes | 0/1 |
| Family members often try to one-up or outdo each other.                     | No/Yes    | 0/1    |
| In our family, we believe you don’t ever get anywhere by raising your voice. | No/Yes    | 0/1    |

2.4. **Moderators**

For race, Blacks were coded as 1, and Whites were coded as 0.

2.5. **Predictor**

The predictor variable was family conflict. Family conflict was measured using the nine items of the Family Environment Scale [64]. In this measure, children report negative aspects of their family relations. Items on the conflict subscale assess the extent of fighting, anger, criticism, competitiveness, yelling, and/or loss of temper within the family [65]. The measure provides a continuous score with a higher score indicating higher conflict in the family. Items of the Family Environment Scale are shown in Table 1. Cronbach’s alpha of the family conflict measure was beyond 0.681 overall and higher than 0.6 for both White and Black sub-samples. Some of the items required reverse coding, so the endorsement of all items would indicate conflicting relations. We calculated a mean score, so that missing response to any of the items would not interfere with our measurement.
2.6. Covariates

Covariates included immigration status, ethnicity, sex, age, family structure, parental education, parental employment, and household income. For sex, males were coded as 1, and females were coded as 0. Age was recorded in months. Parental education was a continuous measure ranging from 1 to 23, with a higher score indicating more schooling years. To calculate parental education, we considered the highest education attainment of both parents. Area-level median home value was driven based on zip codes by the ABCD study team.

2.7. Data Analysis

SPSS was used to analyze the data. Data were downloaded from the National Institutes of Health (NIH) National Data Archive (NDA) website. Mean (standard deviation; SD) and frequency (relative frequency; %) of all variables were described overall and for each race. We used independent sample t-test and chi-square tests to compare the study variables among races. For multivariable modeling, we ran Poisson regression models. As the participants were nested to families who were nested to sites, we calculated the intra-class correlation for our outcome. Our calculation showed a less than 0.05 intra-class correlation, which is minimal. As such, we did not apply mixed-effect or random-effect models. The predictor variables were family conflict and support. The moderator was race. The outcome variable was STBs, treated as a count variable, reflecting positive suicidal items endorsed. Covariates included sex, age, ethnicity, immigration status, parental education, parental employment, and household income. Multiple Poisson regression models were performed in the pooled sample in the absence and presence of family support/conflict by race interaction. Before we performed our models, we ruled out multi-collinearity between the study variables. We also explored the distribution of our predictors (a), outcomes (b), residuals (c), and quantiles (d). Beta coefficient (b), 95% confidence intervals (CI), standard error (SE), and p-value were reported for our model. A p-value equal to or less than 0.05 was significant.

2.8. Ethics

The ABCD study protocol received an Institutional Review Board (IRB) approval from several institutions, including but not limited to the University of California, San Diego (UCSD). All participating children provided assent. All participating parents signed an informed consent [66]. Our study was exempt from a full IRB review.

3. Results

3.1. Descriptive Data Overall

This study included 9918 White or Black children between the ages of 9 and 10. Of all participants, 7751 were Whites and 2167 were Blacks. Of all, 815 (9.2%) children had some STB history (Table 2).
Table 2. Descriptive statistics overall and by race.

| Characteristics          | All  | White  | Black  |
|--------------------------|------|--------|--------|
|                          | Mean | SD     | Mean  | SD   |
| Age (Year)               | 9.48 | 0.51   | 9.48  | 0.50 |
| Parental Educational Attainment * | 16.89 | 2.49 | 17.25  | 2.35 |
| Household Income *       | 7.32 | 2.38   | 7.86  | 1.95 |
| Family Conflict *        | 0.28 | 0.22   | 0.28  | 0.22 |
| Ethnicity *              |      |        |       |      |
| Non-Latino               | 8357 | 84.3   | 6380  | 82.3 |
| Latino                   | 1561 | 15.7   | 1371  | 17.7 |
| Married Household *      |      |        |       |      |
| No                       | 3010 | 30.3   | 1593  | 20.6 |
| Yes                      | 6908 | 69.7   | 6158  | 79.4 |
| Immigrant                |      |        |       |      |
| No                       | 9699 | 97.8   | 7575  | 97.7 |
| Yes                      | 219  | 2.2    | 176   | 2.3 |
| Sex                      |      |        |       |      |
| Female                   | 4740 | 47.8   | 3667  | 47.3 |
| Male                     | 5178 | 52.2   | 4084  | 52.7 |
| Parents Employed *       |      |        |       |      |
| No                       | 2835 | 28.6   | 2159  | 27.9 |
| Yes                      | 7083 | 71.4   | 5592  | 72.1 |
| STBs (Any) *             |      |        |       |      |
| No                       | 9103 | 91.8   | 7149  | 92.2 |
| Yes                      | 815  | 8.1    | 602   | 7.8 |
| STBs (Items Positively Endorsed) | | | | |
| 0.0                      | 9103 | 91.8   | 7149  | 92.2 |
| 1.0                      | 447  | 4.5    | 330   | 4.3 |
| 2.0                      | 159  | 1.6    | 122   | 1.6 |
| 3.0                      | 74   | 0.7    | 52    | 0.7 |
| 4.0                      | 67   | 0.7    | 50    | 0.6 |
| 5.0                      | 24   | 0.2    | 15    | 0.2 |
| 6.0                      | 13   | 0.1    | 11    | 0.1 |
| 7.0                      | 9    | 0.1    | 8     | 0.1 |
| 8.0                      | 9    | 0.1    | 5     | 0.1 |
| 9.0                      | 7    | 0.1    | 4     | 0.1 |
| 10.0                     | 1    | 0.0    | 1     | 0.0 |
| 11.0                     | 2    | 0.0    | 1     | 0.0 |
| 12.0                     | 2    | 0.0    | 2     | 0.0 |
| 15.0                     | 1    | 0.0    | 1     | 0.0 |

STBs: Suicidal Thoughts and Behaviors, *p < 0.05.

3.2. Descriptive Data by Race

Table 2 summarizes the descriptive data by race. While age and household size did not differ across groups, parental education and household income were lower in Black than in White children. Compared to White families, Black families were less likely to be married and employed. STBs were also higher in Black than White children.

3.3. Pooled Sample Models

In the pooled sample, and in the absence of any interaction, family conflict was associated with higher STBs, an association that remained significant while SES and other confounders were controlled (Model 1). There was an interaction between race and family conflict on STBs, suggesting that the association between family conflict and STBs was stronger in Black than White children (Model 2) (Table 3).
Table 3. Association between family conflict and STBs in American children by race.

| Race (Black) | $b$ | SE | 95% CI | $p$ | All | $b$ | SE | 95% CI | $p$ |
|-------------|-----|----|--------|-----|------|-----|----|--------|-----|
| All Model 1 |     |    |        |     |      |     |    |        |     |
| Ethnicity (Hispanic) | $-0.06$ | 0.07 | $-0.19$ | 0.07 | 0.385 | $-0.25$ | 0.10 | $-0.45$ | 0.04 |
| Immigrant | $-0.48$ | 0.22 | $-0.90$ | 0.06 | 0.026 | $-0.48$ | 0.22 | $-0.90$ | 0.06 |
| Sex (Male) | 0.29 | 0.05 | 0.19 | 0.38 | $<0.001$ | 0.29 | 0.05 | 0.19 | 0.38 |
| Married Household | $-0.41$ | 0.06 | $-0.54$ | 0.29 | $<0.001$ | $-0.41$ | 0.06 | $-0.54$ | 0.29 |
| Parental Employment | $-0.11$ | 0.06 | $-0.21$ | 0.00 | 0.056 | $-0.11$ | 0.06 | $-0.21$ | 0.00 |

3.4. Race-Specific Models

We found that high family conflict was associated with higher STBs for Black and White children. However, $b$ was larger for Black than White children (Table 4).

Table 4. Association between family conflict and STBs in American children by race.

| Ethnicity (Hispanic) | $b$ | SE | 95% CI | $p$ | Whites | $b$ | SE | 95% CI | $p$ |
|---------------------|-----|----|--------|-----|--------|-----|----|--------|-----|
| Immigrant | $-0.59$ | 0.25 | $-1.09$ | 0.10 | 0.019 | $-0.35$ | 0.41 | $-1.16$ | 0.46 |
| Sex (Male) | 0.32 | 0.06 | 0.20 | 0.43 | $<0.001$ | 0.17 | 0.10 | $-0.01$ | 0.36 |
| Married Household | $-0.54$ | 0.07 | $-0.68$ | 0.41 | $<0.001$ | 0.04 | 0.12 | $-0.19$ | 0.27 |
| Parental Employment | $-0.07$ | 0.06 | $-0.20$ | 0.06 | 0.293 | $-0.27$ | 0.11 | $-0.48$ | 0.06 |

4. Discussion

Higher family conflict was associated with a higher count of lifetime STBs. Race and family conflict had interactive rather than additive effects on children’s STBs. The observed association between family conflict and STBs was stronger for Black than White children. In other words, negative family relations may be a more salient factor associated with STBs for Black than White children. That means Black children with STBs should be evaluated for family conflict more aggressively than White children with STBs. Similarly, Black children with family conflict should be evaluated for STBs more aggressively than White children with a similar level of family conflict.

Our first finding on the association between family conflict and STBs overall is in line with past research [67–69]. We already know that various types of stress, including family conflict [42], correlate with STBs in children and adults [70]. Some research has shown that family conflict precipitates STBs in children, youth, and adults [71]. Our finding on the link between family conflict and STBs in children can be interpreted with the growing literature on the role of adverse childhood events in shaping children’s outcomes. This literature suggests that all types of childhood trauma are causally linked to undesired outcomes in childhood and adulthood. The effects of ACEs are not limited to suicide or mental health but extend to a wide range of health outcomes such as obesity, physical conditions, and
even mortality. For future research, we need to study to what degree ACEs in the family and community contexts reflect or cause family conflict and are the main causal factors in suicidal thoughts and behaviors.

Our second finding is in line with the research suggesting that relationship quality may be more consequential for the mental health of Black than White individuals. For instance, Lincoln and colleagues showed that Blacks are more vulnerable to the effects of positive and negative relationships on mental health, compared to Whites [48]. Similarly, Krause and colleagues have shown that social support in the church setting has more consequences for Blacks than Whites [49–51], and another study showed that secular and religious social support are both more strongly associated with depression of Black than White individuals [52]. The same finding is shown by other research as well [5,53]. However, this literature is mostly on adults or even older adults, and few studies have been done on children. The unique contribution of this study is to extend this finding to children's STBs.

Our second finding contrasts with the minorities’ diminished returns (MDRs) [13–15], suggesting that individual- and family-level risk and protective factors have diminished associations with mental health outcomes for Black than White communities. Previous research on MDRs has provided enormous evidence on smaller changes in outcomes as protective and risk factors change, probably due to structural racism and social stratification and other risk factors that are not relevant to Whites [72–75]. For example, racial discrimination is associated with Black children STBs, which may not be much relevant to White children STBs [76].

Bauermeister has argued that bad is stronger than good [21]. Conflicting relations have a large undesired effect on American children’s STBs, an effect that cannot be explained by SES and confounders [22]. This is important because close relations and family relations almost always accompany supportive and conflicting relationships.

This study established one Black–White difference in STB correlates, being family conflict. Other previous research has shown various White-Black differences in correlates of STBs. For example, parents’ education shows larger protective effects for White than Black children, youth, and adults [77]. This is because socioeconomic status indicators may lose some of their effects due to structural racism [13,78]. These diminished effects of SES on suicide and other high-risk behaviors in Black than White people are attributed to structural racism and segregation. As a result of racism, high SES Black families continue to experience much stress, while high SES White families report very low stress across domains [15]. Similarly, high SES White families have financial security and wealth, while high SES Black families have far less financial security and wealth [79].

Ali and colleagues investigated suicide circumstances among White, Black, and other race/ethnic groups by sex and age. They used the National Violent Death Reporting System (NVDRS) data files from 2006 to 2015 to explore Black–White differences in STBs' proximal circumstances. All participants were aged 10 years or older. The authors applied hierarchical logistic regression analysis to reveal racial differences in how non-alcohol substance abuse problems, intimate partner problems, and physical health problems correlate with the suicide of race by sex groups. The authors showed that these differences are not due to potential confounders. The authors advocated for the intersectionality of race and sex for suicide interventions and program planning [80].

In one study [81], 5388 White and 759 Black suicidal attempts resulting in hospitalization were compared. Racial groups were compared for sociodemographic factors, medical history, psychiatric disorders, and outcomes (death). The study showed that Blacks and Whites varied by insurance type. While Whites were commonly under private insurance or self-pay, Blacks were commonly under governmental insurance. Blacks with suicide attempts were more likely to be obese, while Whites with suicide attempts were likely to be underweight. The study did not find Black–White differences in age, sex, or psychopathology of suicide attempts [81].
The results may have implications for clinical practice, public health service, and policy related to RTBs in racially diverse children. This paper’s take-home message is that one size does not fit all, and family conflict may be more relevant to White than Black STBs in children. Tailoring interventions and services for groups based on race may have some advantages, mainly because research has shown racial differences in STB correlations [80]. Joe conducted a review and found very few evidence-based STB prevention or treatment strategies for diverse racial groups such as Blacks. They, however, mentioned that crossover effects for multisystemic therapy for reducing the risk for suicide ideation and attempts in Black males might exist. Their review paper suggested that attachment-based family therapy is salient for use as a clinical practice component for Black children and youth treated for STBs [82].

Some recent research has suggested that children’s STBs are higher in Black than White children, which is very concerning [83]. The traditional assumption that males have a higher STBs rate and suicide prevention is less relevant to Black children is not accurate. This means that both Black boys and girls are at STB risk. Growing research suggests that Black children may not be at a lower but a higher risk of STBs than White children [83]. More research is needed on why STBs are more rapidly increasing in Black than White children, how these differences emerge over time, and whether populations differ in mechanisms and methods of suicide exist between Black and White children.

One of the reasons our result is essential is that STBs increase in all children and youth; however, a more rapid increase can be seen in Black children and youth [84]. Our finding provides a new opportunity for understanding the recent trends and the Black and White suicide risk factors. Unfortunately, Black children’s suicide is often overlooked.

Interventions to prevent White and Black children’s STBs should be ongoing, and policymakers and clinicians should be aware that one size does not always fit all. Comprehensive suicide prevention efforts should consider how race and risk factors interact and how risk factors of suicide vary for Black and White children’s STBs. The research on intersectionality and group differences may leverage helpful research-based information to target sub-populations who are at most risk. More research is needed to develop interventions that leverage protective factors. Such research may help us with innovative prevention strategies that minimize the chance of lives lost due to suicide. As race distribution varies in different communities, and as race differences exist in STBs, suicide prevention may be improved if it considers the context of race in the target community.

5. Limitations

Our study is not free of limitations. First, due to a cross-sectional design, the study does not allow causal inferences. We controlled for a limited range of confounders. For example, sexual orientation, gender identity, the experience of sexual assault, depression, and parental history of suicide and alcohol and drug use are among predictors of suicidal behaviors in children, which were not examined in this study [85]. The sample was national but not selected at random. So, the results’ generalizability is limited. We also limited this study to White and Black children. Thus, the results are not generalizable to other racial and ethnic minorities such as Latinos, Asian Americans, or Native Americans.

6. Conclusions

In 9–10-year-old American children, family conflict and race have interdependent rather than independent effects on STBs, as the role of family conflict in STBs is stronger in Black than White children. According to our knowledge, this is the first study to show that family conflict has a stronger association with STBs in Black than White children. The results may have implications for preventing or detecting STBs in Black children, which is pressing public health. Still, more research is needed on the topic, particularly on mediators explaining why race variations in STB correlations exist.
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**Informed Consent Statement:** All participating children provided assent. All participating parents signed an informed consent [66]. Our study was exempt from a full IRB review.

**Data Availability Statement:** Data of the ABCD study are available here https://nda.nih.gov/abcd (accessed on 5 May 2017).

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