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### **ABSTRACT**

- The #MeToo movement recently highlighted the importance of supporting sexual violence victims and survivors.
- Violence is a serious public health concern that impacts millions of people in the United State. Common types of violence include physical, sexual, emotional, financial, and bullying. However, lack of clear comparison between different types of exposure to violence as physical violence, sexual violence, and bullying are often presented together.
- Current study focuses on understanding the relationship between different types of violence, such as physical violence, sexual violence, and bullying, and mental health among youth.
- The Youth Risk Behavior Surveillance System (YRBSS) was used in this secondary data analysis targeting youth population in the United States. Participants include students attending high school from 9th to 12th grade in the United States through selfadministered answer sheets.
- Total of 14,765 students participated in YRBSS survey and the gender of participants was similarly represented among male participants (48.2%) and female participants (51.0%).

## **INTRODUCTION**

- Violence is a serious public health concern that impacts millions of people in the United States.
- Especially, the prevalence of sexual violence is underreported due to fear and embarrassment.
- Child Protective Services (CPS) revealed that approximately 80% of cases involving a parent as a perpetrator of sexual abuse among younger victims of sexual abuse.
- Trauma impacts individuals' life course early on.
- Developing new prevention and intervention programs as well as improving existing could reduce the burden of early trauma.

# **PURPOSE OF THE STUDY**

- The purpose of the current study aims to explore the relationship between exposure to different types of violence and mental health issues among grade 9 to 12 youth.
- The research hypothesizes that youth who are exposed to sexual violence are at higher risk for mental health issues compared to those who were exposed to other types of violence.

## **LITERATURE REVIEW**

- Previous research demonstrates the correlation between exposure to violence and the negative impacts among children and youth.
- Sexual violence is often categorized as rape, being made to penetrate someone else, sexual coercion, and unwanted sexual contact.
- On a micro or personal level, individuals experience depression and symptoms of PTSD. Immediate consequences may include shock, fear, and anxiety.
- Sexual violence impacts not only the victims, their families, and the community, but it also brings an economic burden to society at the macro-level.
- Previous research found that the time of abuse discovery was associated with age and gender but not associated with other abuse characteristics.
- Compared to younger children, adolescents experience more negative life events. The distress caused by abuse and the discovery process, in addition to normative stress of the adolescent developmental period, makes adolescent victims more vulnerable than younger children victims.

# **METHODS**

#### RESEARCH DESIGN AND DATA COLLECTION

 Secondary analysis of data from biennially conducted Youth Risk Behavior Surveillance System (YRBSS) by Centers for Disease Control and Prevention (CDC)'s Division of Adolescent and School Health (DASH).

#### SAMPLE AND SAMPLING METHOD

• A total sample size of 14,756 from YRBSS data in 2017. Participants include student attending high school from 9<sup>th</sup> to 12<sup>th</sup> grade in the United States. YRBSS used a three-stage cluster sample design in order to accurately represent the national students in 9<sup>th</sup> to 12<sup>th</sup> grade across 50 states and the District of Columbia.

#### **MEASURES**

• Self-reported information regarding participants' demographic information, exposure to physical Violence, exposure to sexual violence, bullying, depressive symptoms and suicidality, were included in this study.

Independent variables were divided into three

types of violence; Physical violence, sexual violence, and bullying.

- Four variables assessed physical violence
  - Threatened at school
  - Physical fighting
  - Physical fighting at school
  - Physical dating violence
- Three variables assessed sexual violence

Sexual dating violence

- Physically forced sexual intercourse
- Sexual violence
- Two variables assessed bullying
  - Bullied on school property
  - Electronically bullied
- Dependent variables were divided into depressive

## symptoms and suicidality.

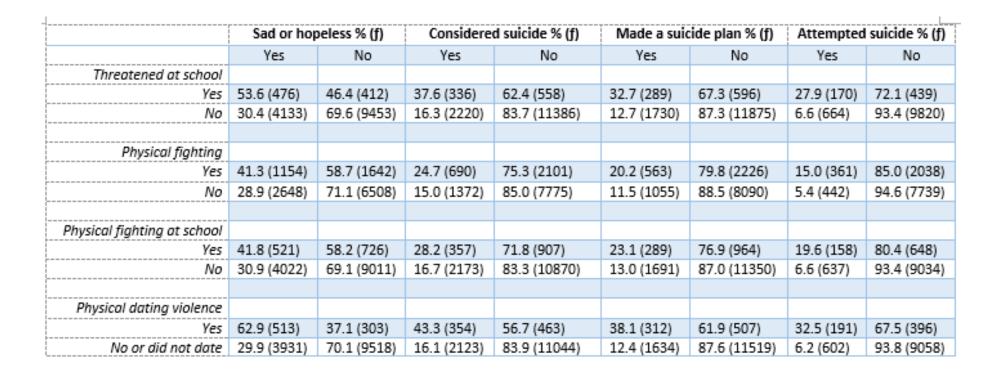
- Two variables assess depressive symptoms
  - Sad or hopelessnessConsidered suicide
- Two variables assess suicidality
  - bles assess suicidalityMade a suicide planAttempted suicide

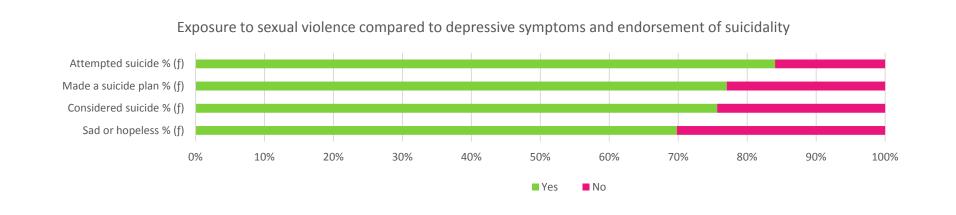
#### 51.0 Ever been physically forced sexual intercourse Sexual violence 12 years old or your 0.4 13 years old 13.0 14 years old Sexual dating violence 24.3 15 years old 25.0 16 years old No or never dated 24.5 17 years old 18 years old Missing 0.5 11941 Electric bullying 9<sup>th</sup> grade 26.6 10<sup>th</sup> grade 12482 84.5 11<sup>th</sup> grade 12<sup>th</sup> grade 22.9 Ungraded or other grade 31.4 67.0 Considered suicide 17.4 10857 73.5 13.7 12511 84.7 Gay or lesbiar Bisexual Not sure Missing

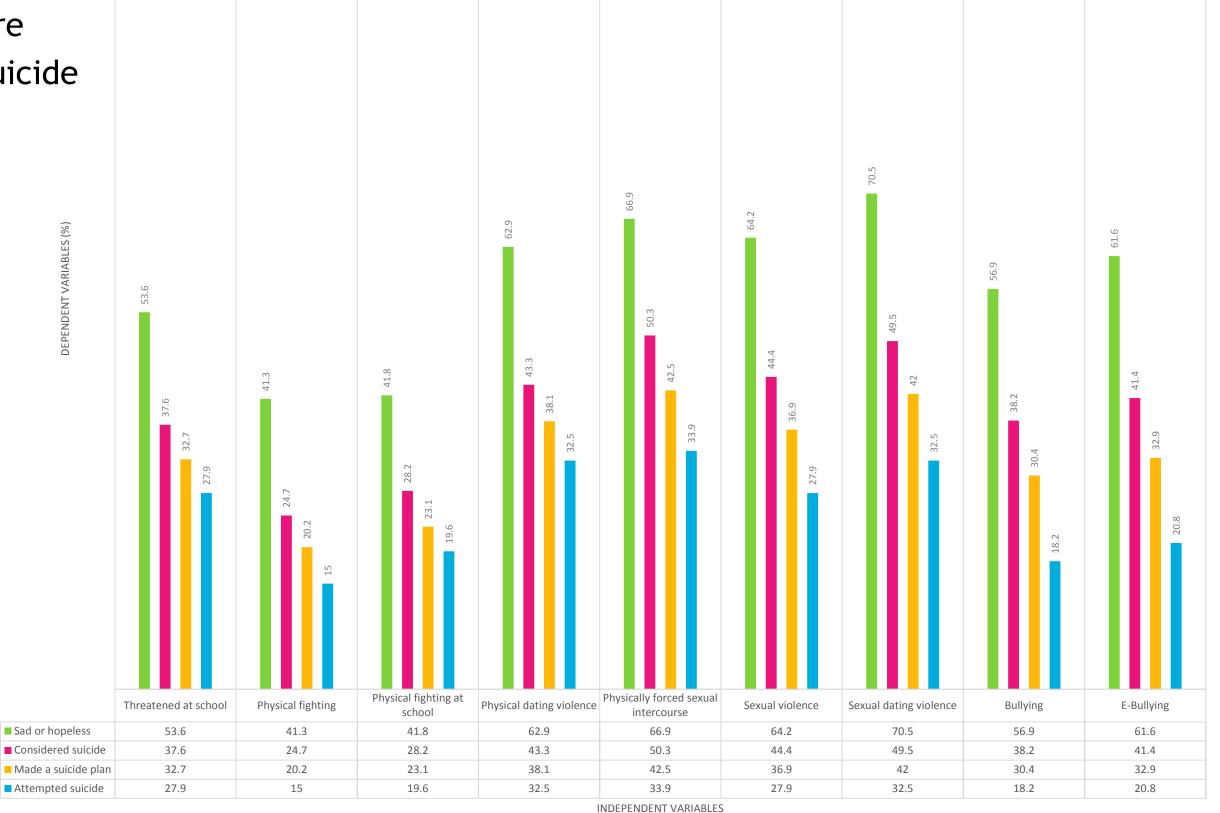
Threatened at school

## **RESULTS**

- Multiple chi-square tests were conducted to evaluate the relationship between different types of violence and endorsement of suicidality.
- A significant association was found in physical violence and mental health. Students who have been exposed to physical violence were more likely feel sad or hopeless, consider suicide, made a suicide plan, and attempted suicide.
- A significant association was found in sexual violence and mental health. Students who have been exposed to sexual violence were more likely to feel sad, hopeless, considered suicide, made a suicide plan, and attempted suicide.







VIOLENCE AND ASSOCIATED NEGATIVE MENTAL HEALTH OUTCOMES

## **SUMMARY OF FINDINGS**

- Students who have been exposed to physical violence are more likely to report negative impacts on their mental health compared to students with no exposure to violence. Being threatened, exposure to physical fighting, and exposure to physical dating violence had significant impact on depressive symptoms and endorsement of suicidality.
- Students who reported exposure to sexual violence were more likely to endorse depressive symptoms and endorse suicidality compared to participants with no history of sexual violence. Students who reported history of physically forced sexual intercourse were likely to feel hopeless and depressed. Also, more likely to endorse suicidality compared to students with no history of rape.
- Findings align with previous research indicating that sexual violence can lead to immediate and long-term psychological effect on one's well-being.
- Current study supports evidence that a high number of participants indicating exposure to sexual violence had a significant risk factor for suicide attempts.

# **IMPLICATIONS FOR FUTURE RESEARCH**

- Findings from the current study emphasize that future research should further investigate case studies and gather qualitative data on different types of violence in order to develop effective trauma-informed services to youth who have been exposed to violence.
- Follow-up surveys on any other consequences of adverse experiences may allow further understanding of its impact on long-term mental health outcomes and the effectiveness of intervention.
- Assess effectiveness of mental health services offered at school or through a partnership with the school in order to improve safety, school climate, and well-being for students and educators.

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