

























Growing up with Media CDC **Data Analyses**



- For analyses, cases were required to have valid data for 85% of variables examined.
- Regression estimates are adjusted for 'dishonesty' (6%) and the report of someone in the room near enough to see the computer screen (22%).

SAFER · HEALTHIER · PEOPLE™



Youth Demographic Characteristics



- 48% Female
- Mean age: 12.6 years (SE: 0.05)
- 71% White, 13% Black, 9% Mixed, 7% Other
- 19% Hispanic
- Median household income: \$50,000-\$74,999
- Median time spent online on a typical day: 31 minutes - 1 hour

SAFER · HEALTHIER · PEOPLE™



Background



- Youth violence is a significant public health issue
- Consequences include not only injury and death, but community impacts such as health care costs and lost productivity (CDC, 2007).
- Estimates of combined direct and indirect costs associated with youth violence in the United States are more than \$158 billion every year (CDC),

SAFER • HEALTHIER • PEOPLE™



Background



- Research on the effects of violence on behavior has been ongoing since the 1950's, culminating in references in two major US Surgeon General's Reports (1972; 2002).
- Today, there is general agreement in the scientific community that viewing violence, at least for some children, "increases aggressive attitudes, values, and behaviors" (Congressional Public Health Summit, 2000).

SAFER • HEALTHIER • PEOPLE™



Research questions



- What is the rate of exposure to violence on the Internet?
- What is the cross-sectional association between exposure to violence online and expression of seriously violent behavior offline?

SAFER · HEALTHIER · PEOPLE™



Definitions: Exposure to Violence

In the last 12 months, have you gone to or seen the following types of websites?

- A website, including news-related sites, that shows pictures of war,
- A website that shows cartoons, like stick people or animals, being beat up, hurt, or killed
- A website that shows pictures of dead people or people dying. Some people call these 'snuff' sites
- A website that people would call a 'hate' site. A "hate" site is one that tells you to hate a group of people because of who they are, how they look, or what they believe
- A website that shows satanic rituals, such as devil worship or Satan

SAFER · HEALTHIER · PEOPLE™



Definitions: Seriously Violent Behavior



Youth were asked about the frequency of engaging in behaviorally specific seriously violent behaviors in the previous 12 months:

- 1) Behavior likely resulting in murder (i.e., stabbing or shooting someone);
- 2) Aggravated assault (i.e., threatening someone with a weapon; attacking someone resulting in the need for medical care);
- Robbery (i.e., using a knife or gun or some other kind of weapon like a bat to get something from someone else); and
- Sexual assault (kissing, touching, or doing anything sexual with another person when it was not wanted by that person).

SAFER · HEALTHIER · PEOPLE



Statistical Methods



- Six households were dropped because they didn't meet the criteria of having valid data for 85% of the variables.
- Stata was used to compute statistical analyses
 - Differences in the distribution of characteristics by report of seriously violent behavior were tested using F-statistics.
 - Associations were quantified using logistic regression.

SAFER • HEALTHIER • PEOPLE™





















