Exposure to violence in incarcerated youth from the city of São Paulo

Exposição à violência entre jovens da cidade de São Paulo em privação de liberdade

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Abstract

Objective: This study aimed to determine the extent of exposure to community violence among delinquent Brazilian youth in the 12-month period prior to their incarceration and to identify factors associated with this exposure. Method: With an oversampling of girls, a cross-section of youth under 18 years of age from juvenile detention units in the city of São Paulo, Brazil completed a structured interview. Key items related to exposure to violence (witnessed and experienced) were drawn from the Social and Health Assessment questionnaire to cover the 12-month period prior to incarceration. Results: Participants (n = 325, 89% boys) reported high rates of exposure to violence with largely similar levels for boys and girls. Being threatened with physical harm, being beaten or mugged and/or shot at were the most common forms of violence experienced. After controlling for demographic and family variables, the fact of having peers involved in risk behavior, easy access to guns and previous involvement with the justice system were associated with witnessed violence; whereas having slept on the street was the only variable associated with experienced violence. Conclusion: This group of youth was exposed to high levels of violence and other adverse experiences. Future research should examine the effectiveness of strategies aimed at reducing the exposure to violence of high-risk youth.

Descriptors: Violence; Adolescent; Juvenile delinquency; Brazil; Human rights

Resumo

Objetivo: Esse estudo procurou determinar a extensão da exposição à violência na comunidade entre jovens brasileiros delinquentes nos 12 meses que antecederam sua privação de liberdade e identificar fatores associados a essa exposição. Método: Um corte transversal de menores de 18 anos internados em unidades da Fundação Casaex-FEBEM na cidade de São Paulo, Brasil (com meninas superamostradas) participou de entrevista estruturada. Itens-chave sobre exposição à violência (testemunhada e vivenciada) foram retirados do questionário Social and Health Assessment para cobrir o período de 12 meses anterior à internação. Resultados: Os participantes (n = 325, 89% meninos) referiram altas taxas de exposição à violência, taxas estas muito similares entre meninos e meninas. Ter sofrido ameaças de lesão física, ter sido espancado ou assaltado e/ou baleado foram as formas mais comuns de violência vivenciada. Após controlar por fatores sociodemográficos e familiares, o relacionamento com jovens envolvidos em comportamentos de risco, o fácil acesso a armas de fogo e a passagem prévia pela Justiça estiveram associados à violência testemunhada, enquanto ter dormido na rua foi o único fator associado à violência vivenciada. Conclusão: Esse grupo de jovens foi exposto a altos níveis de violência e a outras experiências adversas. Pesquisas futuras devem examinar a efetividade de estratégias que visem reduzir a exposição à violência entre jovens de alto risco.

Descritores: Violência; Adolescência; Delinquência juvenil; Brasil; Direitos humanos

Introduction

Exposure to violence represents a violation under the United Nations Convention on the Rights of the Child.1 In addition to identifying protection and care factors for the well-being of children and youth in the Convention, there are explicit articles addressing violence both at home and in the general society. In addition to acknowledging the violation of these rights, studies show that children and youth exposed to violence are at a heightened risk for several negative outcomes including violent or aggressive behavior and delinquency,2–4 mental health problems such as post-traumatic stress disorder, substance use, anxiety and depression,2,5–7 academic problems,8 cognitive impairments,9 and criminal offenses in early adulthood.10

There are a number of reports on exposure to violence of typical and high-risk youth in high-income countries, particularly the
United States, however, much less information is available on the extent and predictors of youth exposure to community violence in low- and middle-income countries. Recently, a retrospective report of child sexual abuse in El Salvador has flagged the importance of coordinating efforts at the state and community levels to strengthen the realization of the rights of these children and youth. High-risk youth (e.g., delinquent youth) should be afforded particular priority as they may be exposed to higher rates of violence than other youth. For example, one study in the United States found delinquent youth to have significantly higher levels of witnessed and directly experienced community violence as compared to inner-city youth attending high school. Likewise, at least in the United States, delinquent youth may also experience higher rates of traumatic violence as compared with their community counterparts.

Among the first countries to ratify the Convention on the Rights of the Child and home to one of the most progressive legislations on the rights of children, Brazil may be posited to be among the leaders in protecting the rights of its children and youth. However, there have been several reports on the violation of the rights of youth in Brazil, and particularly of those who are especially marginalized. For example, among incarcerated youth in the São Paulo detention system, an Amnesty International report highlighted concerns of overcrowding, physical abuse, understaffing and lack of staff training, unsanitary conditions, and inappropriate transfers to adult prison facilities. Even in the general community, Brazilian youth can be exposed to particularly high levels of violence. In a sample of 1,193 young people attending the eighth grade in Porto Alegre, Brazil, 28% reported having been mugged, 25% chased by gangs, and 20% threatened with physical harm. In the city of São Paulo, eight-graders reported having used knives (5.3%) and guns (3.8%) in fights occurred in the last 30 days.

Despite these patterns, little systematic information can be found on exposure to violence of youth who have been incarcerated in Brazil, a potentially very high-risk group. The aims of this study were (1) to determine the prevalence of witnessed and experienced violence in incarcerated youth from the city of São Paulo, Brazil; (2) to examine whether this prevalence varies according to gender; and (3) to determine whether potential risk factors are associated with exposure to violence.

Method

1. Setting and sample

At the planning stage of the study’s sampling, the agency that manages juvenile detention units in the state of São Paulo (Fundação do Ben-Estar do Menor - FEBEM, now Fundação Casa) provided information on the number of units operating within the greater metropolitan area of the city of São Paulo. All girls were housed within two free-standing units, both of which were included in the sample. Boys were housed in either free-standing units or units within large compounds. Sampling for boys was stratified across these two unit types to ensure the inclusion of free-standing units. Two of the five free-standing units for boys were randomly selected. The compound units for boys each contained multiple individual units. Of the five total compounds, two were not eligible for inclusion as they were deemed unsafe for the research staff to enter given their history of violent riots. Two of the remaining three compounds were selected randomly, within which seven individual units were selected randomly. An eighth individual unit, which housed the youngest boys, was added to ensure the inclusion of a full range of youth. Additional details on the sampling methods used are reported elsewhere. It was not possible to reweight the sample to generate findings that would estimate violence prevalence for the full source population given the lack of information on the number of youth in each unit.

Youth within the selected units had to fulfill the following inclusion criteria to be eligible: (1) age between 12 and 17 years, (2) reside in the city of São Paulo immediately before incarceration, (3) being placed in a locked facility on a full-time basis at the time of recruitment, and (4) ‘Awaiting Judicial Decision’ status (a report filed with the judge that commences the process for deciding on the release date for the youth).

2. Procedures

Youth were interviewed face-to-face using a structured questionnaire between April and October, 2004. The study was approved by the ethics committee of the Universidade Federal de São Paulo. In addition, the study was approved by FEBEM officers and by a judge responsible for the incarcerated youth. The youth were informed of the voluntary nature of the study and only those who assented to participate were included in the study.

3. Measures

1) Exposure to violence (dependent variables)

The full questionnaire contained several sections taken from the Social and Health Assessment (SAHA) questionnaire. These included the section on witnessed and experienced violence for which findings have been reported in other populations. Six items evaluating several types of exposure to violence (being beaten/mugged, threatened with serious physical harm, seriously wounded by violence, shot at with a gun, chased by gangs/individuals, attacked/stabbed with a knife) were asked twice (witnessed and experienced). The scale included five Likert-type responses: “none” (0), “1-2 times” (1), “3-5 times” (2), “6-9 times” (3), “10 or more times” (4). The youth were asked to report on the 12-month period prior to their current incarceration. Total index scores for witnessed violence and experienced violence were produced through summation of the values assigned to each individual item (i.e., 0 to 4). Cronbach’s alpha (α) for the witnessed violence and experienced violence scales were 0.80 and 0.63, respectively. For reporting on exposure to violence, individual items were dichotomized between 0 and ≥ 1 exposures. Further detail about these variables is available elsewhere.

2) Independent variables

The Brazilian Economic Classification Criteria was used to classify the participants’ economic status. The instrument is based on the quantity of household goods, the educational level...
of the head of the household, and the number of home employees working at least five days a week. The total score is associated with one of five categories between “A” (high) and “E” (low). A/B and D/E were collapsed to increase the sample size per category.

Several questions were drawn from the Drug Use Screening Inventory – Revised (DUSI-R), an instrument for youth that inquires about the types and extent of involvement with substance use and consequences of drug or alcohol problems, such as family dysfunctions or academic problems. A Brazilian Portuguese version of this instrument, which was shown to be psychometrically sound, was used. From the drug use frequency section of this instrument, a report of use of any illicit drug for 10 or more times in the month preceding incarceration was coded as “heavy drug use”. The response pattern to 14 questions on family adjustment from the DUSI-R (e.g., “Were your parents or guardians unaware of your likes and dislikes?”, “Has a member of your family ever been arrested?”) was used to create the Family Adjustment Problem Index (FAPI). The scale had an internal consistency of 0.63 (Cronbach's alpha). Single items on past involvement with gangs and alcohol use by a family member “causing problems at home, at work, or with friends” were also extracted from other sections of this instrument.

The extent to which the youth’s peers engaged in risk behaviors was assessed with items drawn from the SAHA. The resulting scale (Peers Engaged in Risk Behaviors - PERB) includes nine items describing a variety of behaviors (e.g. dropping out of school, involvement in drug traffic) scored from one (no friends engaged in the behavior) to four (most or all friends engaged). A 10th item from the original scale related to smoking was excluded to improve the psychometric performance of the scale. Cronbach's alpha was 0.85 for this sample.

Several questions were specifically developed for the study, including whether the youth had (1) slept on the street, (2) had previously been under a juvenile justice measure, and (3) whether the youth perceived that obtaining a gun in their neighborhood was easy. The number of years behind in school was also determined.

4. Analysis

Chi-square and Fisher's exact tests were used to determine the relationship between exposure to violence and gender. Spearman correlations, Student's t-tests, and analyses of variance (ANOVA) were used to determine the bivariate relationship between exposure to violence and variables hypothesized to be associated with witnessed and experienced violence. Multiple hierarchical regression analyses were run to determine whether any of the hypothesized variables were associated with community violence scores within the sample. Hypothesized risk factors with significant bivariate relationships (p < 0.05) with either witnessed or experienced community violence were used in the multivariate analysis. Potential associated variables that were conceptually similar were grouped in hierarchical block entries to estimate their relationship with exposure to violence. This approach allows the evaluation of the extent of the contribution, if any, accounted for by each block (e.g. family variables) as well as any unique contributions accounted for by individual variables. Separate regression analyses were completed for witnessed and experienced violence to determine if there were any unique associated variables in each case.

Results

Participants (n = 325, 89% boys) were aged 12-17 years (mean = 15.9, SD = 1.1). Boys and girls were similar across a variety of demographic and risk factors hypothesized to be linked with exposure to violence in this population (Table 1). Significantly more girls than boys reported having slept on the street (χ² = 7.1, p < 0.01) and were more frequently connected with peers engaged in risk behaviors (t = 2.0, df = 294, p < 0.05).

1. Exposure to violence

In this sample, 94% of the girls and 96% of the boys witnessed and 61% of the girls and 60% of the boys experienced at least one type of violence identified in the SAHA in the year prior to incarceration (Table 1). Seeing or being a beating or mugging
victim or being threatened with serious harm were the violence types that received the most endorsements from both boys and girls. In addition, 14% of girls and 10% of boys reported having witnessed at least three different types of violence at a ‘high frequency’ level (defined here as six or more incidences), and 17% of girls and 6% of boys reported having experienced one or more types of violence at a ‘high frequency’ level. Sexual abuse was more common among girls (p < 0.005).

2. Correlates of exposure to community violence

Results of the bivariate analysis are summarized in Table 3. Given the bivariate association between age and both witnessed and experienced violence, age was entered into the first block for the multivariate analysis as the single demographic control. Most of the measured risk factors demonstrated statistically significant bivariate relationships with both witnessed and experienced violence exposure in the expected direction (Table 3).

3. Witnessed violence

Upon examining the possible independent associations of witnessed violence, the demographic control variable (age) explained a small but significant amount of the variance in the criterion ($F(1, 280) = 5.64, p < 0.05$). After controlling for age, the risk factors as a group explained an additional 30.6% of the variability in witnessed violence outcome scores. The block comprising variables associated with family adjustment problems made the greatest overall contribution among the various risk factor blocks, explaining 16.2% of the variance ($F(3, 278) = 20.55, p < 0.001$). The remaining blocks made significant, although more modest, contributions, including peer group/neighborhood variables, adverse experiences (having slept on the street) and youth behavior problems. Additional risk factors that made unique contributions to the variance in witnessed violence within the final model were involvement with high-risk peers ($t = 4.0, p < 0.001$), easy access to guns ($t = 2.5, p < 0.05$), and having had previous involvement with the juvenile justice system ($t = 2.3, p < 0.05$). Gang involvement, alcohol-related problems in the family, and heavy drug use by the youth, despite having a bivariate relationship with witnessed violence, proved redundant with other variables that were added to the final model.

4. Experienced violence

Using experienced violence as the dependent variable, the various risk factors as a group accounted for 18.6% of the variance in outcome scores. The block including family difficulties contributed to the largest gain in variance, with 11.5% ($F(2, 278) = 19.93, p < 0.001$). The blocks with peer group/neighborhood and adverse experience variables also made significant, although less substantial, contributions to the variance (4.5%, $F(5, 275) = 11.28, p < 0.001$, and 2.6%, $F(6, 274) = 11.15, p < 0.001$, respectively). Having slept on the street was also a modestly significant contributor ($t = 2.3, p < 0.05$). Age, high-risk peers, easy access to guns, behavior-related variables, and number of years behind in school were only redundant explanatory factors within the model.

Discussion

Nearly all participants had witnessed and over half had been victimized by violence within their communities. Comparing these results to the existing literature is problematic as most studies did not use the same or similar instruments for measuring exposure rates. For example, one study involving a sample of 1,193 eighth-grade public-school students from Porto Alegre in the south of
Violence exposure of delinquent youth

Brazil noted exceptionally high rates of both witnessed (98%) and experienced (71%) violence. However, the study used an instrument with a broader coverage of violence types and also inquired about lifetime exposure, in contrast with the current study’s more restricted list of items and time frame of 12 months. However, two studies were identified that did use the same measure reported in the current study. Schwab-Stone et al. examined exposure to violence in a large sample (n = 2,600) of adolescents in an American urban center with high levels of economic disadvantage. The authors reported that 36% of the sample had suffered at least one of the six types of violence investigated. Ruchkin et al. examined the levels of violence in a sample of 370 delinquent youth within a juvenile detention center in northern Russia and found violence exposure rates of 50% (witnessed) and 32% (experienced). The higher rates found in the present study in relation to Russia’s may be partly due to the difference in the overall level of violence in the two countries, as indicated by homicide rates. Based on data from the 1990s, the homicide rate in Brazil was 32 deaths per 100,000 inhabitants, whereas in Russia it was nearly half of that, with 18 deaths per 100,000. Furthermore, the study settings were different in these two countries, with São Paulo being a large urban centre in contrast with the northern Russian district studied.

Few gender differences were found in this study, specifically in the areas of exposure to violence and physical abuse. Although some studies have obtained similar findings - for example, in the case of youth recruited from a poor, urban community in the United States with high crime rates - most investigations found boys to be more exposed to community violence as compared with girls. As these studies covered a number of community and higher risk samples, thus implying the robustness of this gender-related pattern, the question is raised about why a similar pattern was not observed in the current findings. Conduct disorder, which substantially overlaps with the construct of delinquency, is much less frequent in girls than in boys. Girls with conduct disorder may represent a more extreme subset within this gender group in contrast with boys. This more extreme group may then have similar or even more extreme experiences than their male counterparts. Supporting this is the finding that more girls than boys in this sample had slept on the street, a particularly extreme experience.

The current study found higher rates of sexual abuse among girls compared with boys. This is consistent with findings from both community and incarcerated samples of girls. Although smaller in number, the extent of exposures and the higher rates of sexual abuse require that policies and interventions aimed at reducing the exposure to violence of youth at risk for delinquency and incarceration give special attentions to girls.

Family adjustment problems figured prominently among the correlates of both witnessed and experienced violence in the final regression models of the analysis. This was partially consistent with findings by Salzinger et al., which found that family problems mediated the risk of exposure to community violence in a sample from New York City. Similarly, a separate investigation examined

<table>
<thead>
<tr>
<th>Table 3 - Bivariate association between hypothesized correlates and two exposure to community violence scales: witnessed and experienced</th>
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<tbody>
<tr>
<td><strong>Witnessed violence</strong></td>
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<tr>
<td>Mean (SD)</td>
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<tr>
<td><strong>DEMOGRAPHIC CHARACTERISTICS</strong></td>
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<td><strong>Gender</strong></td>
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<tr>
<td>Male</td>
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<tr>
<td>Female</td>
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<td><strong>Age (years)</strong></td>
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<td>12-14</td>
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<tr>
<td>15-17</td>
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<tr>
<td><strong>Economic status</strong></td>
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<tr>
<td>A/B (high)</td>
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<td>C</td>
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<tr>
<td>D/E (low)</td>
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<tr>
<td><strong>Living arrangement</strong></td>
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<tr>
<td>Biological mother and father</td>
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<tr>
<td>Biological mother, not father</td>
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<tr>
<td>Not living with biological mother</td>
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<tr>
<td><strong>OTHER RISK FACTORS</strong></td>
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<tr>
<td><strong>Substance use</strong></td>
</tr>
<tr>
<td>Heavy drug use</td>
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<tr>
<td>Not heavy drug use</td>
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<tr>
<td><strong>Family member</strong></td>
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<tr>
<td>Alcohol-related problems</td>
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<tr>
<td>No alcohol-related problems</td>
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<tr>
<td><strong>Previous juvenile justice measure(s)</strong></td>
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<tr>
<td>Has had previous measures</td>
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<tr>
<td>Has not had previous measures</td>
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<tr>
<td><strong>Access to guns in neighborhood</strong></td>
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<tr>
<td>Easy access to guns</td>
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<td>Not easy access to guns</td>
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<tr>
<td><strong>Gang involvement</strong></td>
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<td>Previous involvement</td>
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<td><strong>Sleeping on the street</strong></td>
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<td>Has never slept on the street</td>
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<tr>
<td><strong>Spearman’s rho</strong></td>
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<td>Number of people in the household</td>
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<tr>
<td>Family Adjustment Problems Index</td>
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<tr>
<td>Peers Engaged in Risk Behavior</td>
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<tr>
<td>Number of years behind in school</td>
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*p < 0.05, **p < 0.01, ***p < 0.005
the rates of exposure to community violence among youth across different community settings and found the highest rates among youth from families that are economically struggling to survive (characterized, for example, by little cohesion and monitoring by parents) living in inner-city dwellings.\textsuperscript{12} Although the related variable “living arrangement” (e.g., not living with both parents) has been previously reported to be a predictor of exposure to violence,\textsuperscript{36} it was not a significant correlate in this study. A possible explanation for this is that not living with both parents is also frequent among the general population in Brazil. For instance, only 62.7\% of eighth-graders in the city of São Paulo live with both biological parents.\textsuperscript{23}

The correlates of violence include the household but extend beyond, into the neighborhood and broader social milieu. Among these additional risk factors, the variables peer group and neighborhood problems were among the most robust variables associated with exposure to violence; in particular, connection with high-risk peers was found to be strongly associated with witnessed violence.\textsuperscript{11} In a longitudinal study on the exposure of young adolescents to violence in high-risk neighborhoods, deviant behavior of friends, in conjunction with other risk factors, made an important contribution to the total exposure to violence one year later.\textsuperscript{11} Gun access by the youth may incorporate an additional dimension of risk, when combined with other contextual factors, to the prediction of exposure to violence. Though easy gun access by the youth uniquely contributed to witnessed violence levels, it proved redundant in the final model for experienced violence. Some reports suggest that weapon carrying may be associated with higher levels of witnessed violence, at least among high-risk youth.\textsuperscript{37} Likewise, the role of perpetration of violence or other criminal acts should be considered. Variables associated with behavior problems, particularly previous involvement with the juvenile justice system, were associated with witnessed violence in the multiple regression analysis, but not with experienced violence. This pattern was consistent with that found by Albus, Weist, and Perez-Smith in a cross-section of inner-city youth.\textsuperscript{38} Another study found the youth’s own deviant behavior acts along with peer deviance to mediate the effects of problematic parenting on exposure to violence one year later.\textsuperscript{11} In general, the combination of these types of variables in the prediction of exposure to violence, i.e., involvement with high-risk peers, access to guns, and some direct involvement in criminal activities, is akin to the findings of Halliday-Boykins and Graham.\textsuperscript{39} These investigators describe how youth's general involvement with violence might underlie the associations between exposure to and perpetration of violence, as well as contribute to other undesirable outcomes such as connection with deviant peers. Violent crimes, predominantly robbery, were by far the most frequently self-reported index crime precipitating incarceration in this sample.\textsuperscript{24} Unfortunately, details concerning the perpetration of violent acts by the participants and the temporal relationship between this and exposure to violence were not available in this study.

The experience of sleeping on the street was also a significant correlate on both witnessed and experienced violence. Sleeping on the street alone may increase exposure to violence by virtue of the increased time spent on the street, where violence occurs. In addition, sleeping on the street is likely to be associated with other risk factors that may contribute to the youth’s exposure to community violence (e.g., domestic violence, limited social networks). This finding strengthens the importance of prioritizing policies and interventions aimed at supporting youth at risk of living on the street or currently on the street.

\begin{table}
\centering
\caption{Multiple hierarchical regression analyses identifying significant associated factors with witnessed and experienced violence.}
\begin{tabular}{|lllll|}
\hline
Dependent variable & Block & Variable & $\beta$ & AdjR$^2$ & $\Delta R^2$ \\
\hline
Witnessed violence & 1. Demographic & Age & -0.15*** & 0.016 & 0.020* \\
 & 2. Family problems & Alcohol-related problems in family member & 0.035 & 0.173 & 0.162*** \\
 & & Family adjustment problems index & 0.21*** & & & \\
 & 3. Peer group / neighborhood & Peers engaged in risk behavior & 0.24*** & 0.274 & 0.108*** \\
 & & Gang involvement & -0.007 & & & \\
 & & Easy access to guns & 0.14* & & & \\
 & 4. Adverse experiences & Sleeping on the street & 0.09 & 0.285 & 0.014* \\
 & 5. Behavior problems & Heavy drug use (youth) & 0.10 & 0.304 & 0.023* \\
 & & Previous juvenile justice measure(s) & 0.12* & & & \\
\hline
Experienced violence & 1. Demographic & Age & -0.088 & 0.007 & 0.011 \\
 & 2. Family problems & Family Adjustment Problems Index & 0.20*** & 0.119 & 0.115*** \\
 & 3. Peer group / neighborhood & Peers engaged in risk behavior & 0.093 & 0.155 & 0.045*** \\
 & & Gang involvement & 0.10 & & & \\
 & & Easy access to guns & 0.052 & & & \\
 & 4. Adverse experiences & Sleeping on the street & 0.14* & 0.179 & 0.026*** \\
 & 5. Behavior problems & Heavy drug use (youth) & 0.070 & 0.186 & 0.015 \\
 & & Previous juvenile justice measure(s) & 0.094 & & & \\
 & 6. School problems & Years behind in school & 0.039 & 0.186 & 0.001 \\
\hline
\end{tabular}
\end{table}

\textsuperscript{*}p < 0.05, \textsuperscript{**}p < 0.01, \textsuperscript{***}p < 0.005
Unexpected was the finding that younger youth (aged 12 to 14 years) reported higher exposure rates to witnessed and experienced violence, and this remained true in the multivariate model for witnessed violence. One possible explanation for this pattern is a sampling limitation, i.e., two of the male compounds were excluded from the sampling due to the heightened risk to staff. These compounds tended to house older and more recidivistic youth, who may in turn have had more exposure to violence. Therefore, older male youth included in this study may have had less extreme experiences than older male youth excluded from this study. Additionally, being incarcerated at a younger age may be indicative of a particular group exposed to extreme life experiences.

Limitations
First, these data are cross-sectional and sequencing of risks and exposure to violence cannot be determined from these data, nor can causality. Second, the examination of gender differences may have been limited by the relatively small size of the sample of girls. Third, sampling limitations, in particular the lack of sampling of some compounds that were more likely to house older and more recidivistic male youth may have resulted in a failure to sample a more representative range of the incarcerated population. It is not known whether the findings presented here can be generalized to populations other than incarcerated youth from the city of São Paulo; however, we are not aware of any peculiarities of this population that could prevent the generalization of the findings to other incarcerated populations in Brazil. Lastly, this study was not able to investigate the relationship between exposure to violence and violence perpetration by youth.

Conclusion
This study contributes to the growing recognition that delinquent youth are frequently exposed to very high rates of violence. Although most research has focused on youth from high-income countries, there is growing evidence that youth in low- and middle-income countries experience similar, if not more extreme, situations. These reports clearly identify a failure in the realization of the rights for protection of vulnerable youth under the UN Convention. Future research should investigate the effectiveness of strategies aimed at reducing high-risk youth’s exposure to violence and improving the realization of their rights.

Funding
Dr. McLennan and Dr. Bordin received funding for the full study, including all aspects of data collection for the original study by the Canadian International Development Agency through the Child Protection Research Fund.

Disclosures

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*Significant
**Significant
***Significant. Amounts given to the author’s institution or to a colleague for research in which the author has participation, not directly to the author.
Note: UNIFESP = Universidade Federal de São Paulo.
For more information, see Instructions for Authors.
References


