Psychological and behavioral functioning in adolescent psychiatric inpatients who report histories of childhood abuse

Carlos M. Grilo  
_Yale University School of Medicine_

Charles A. Sanislow  
_Yale University School of Medicine_, csanislow@wesleyan.edu

Dwain C. Fehon  
_Yale University School of Medicine_

Steve Martino  
_Yale University School of Medicine_

Thomas H. McGlashan  
_Yale University School of Medicine_

Follow this and additional works at: [https://wesscholar.wesleyan.edu/div3facpubs](https://wesscholar.wesleyan.edu/div3facpubs)

Part of the Behavioral Disciplines and Activities Commons, Behavior and Behavior Mechanisms Commons, Clinical Epidemiology Commons, Clinical Psychology Commons, Mental Disorders Commons, Personality and Social Contexts Commons, Psychiatry Commons, and the Psychological Phenomena and Processes Commons

**Recommended Citation**  

This Article is brought to you for free and open access by the Natural Sciences and Mathematics at WesScholar. It has been accepted for inclusion in Division III Faculty Publications by an authorized administrator of WesScholar. For more information, please contact anelson01@wesleyan.edu, jmlozanowski@wesleyan.edu.
Psychological and Behavioral Functioning in Adolescent Psychiatric Inpatients Who Report Histories of Childhood Abuse

Carlos M. Grilo, Ph.D., Charles Sanislow, Ph.D., Dwain C. Fehon, Psy.D., Steve Martino, Ph.D., and Thomas H. McGlashan, M.D.

Objective: The purpose of this study was to examine psychological and behavioral functioning in psychiatrically hospitalized adolescents who report histories of childhood abuse.

Method: Three hundred twenty-two subjects completed an assessment battery of psychometrically well-established instruments. Childhood abuse was assessed by using the childhood abuse scale of the Millon Adolescent Clinical Inventory. Childhood abuse scores of 30 or less and 70 or greater were used to create two study groups—no abuse (N=93) and high abuse (N=70), respectively. The two study groups were compared demographically and on the battery of instruments.

Results: The two groups differed substantially on most measures of psychological disturbance examined by the assessment battery. When age and depression level were controlled, the high-abuse group was characterized by significantly higher levels of dependency, suicidality, violence, impulsivity, substance use problems, and borderline tendency. Correlational analyses with the entire study group (N=322) revealed that higher levels of these psychological problems were positively associated with higher levels of childhood abuse.

Conclusions: Psychiatrically hospitalized adolescents who report childhood abuse present with a constellation of symptoms that, after removing the effects of depression, are consistent with borderline personality in statu nascendi.

(Am J Psychiatry 1999; 156:538–543)

Childhood abuse, defined as sexual, physical, and/or emotional maltreatment, increasingly has become the focus of clinical and research attention during the past three decades. The past decade, in particular, has witnessed the growth of abuse-related research targeting children and adolescents (1, 2). Although many unanswered questions remain about childhood abuse, the emerging picture is that childhood abuse is common, is associated with many negative consequences, and represents a major public health problem (1). Childhood abuse appears quite prevalent both in the United States and internationally (3–5). Childhood abuse is associated with increased risk for a plethora of short-term (6), intermediate-term (7), and long-term (8) sequelae. Studies have found that childhood abuse increases the risk for a variety of psychological and behavioral problems (e.g., depression, substance abuse, aggression, delinquency), cognitive and neurophysiological deficits (9), and psychiatric disorders (10–12).

The nature of the connection between childhood abuse and psychological problems remains ambiguous. The diversity of problems reported to be associated with trauma suggests that it is ubiquitous to psychological and psychiatric disorders. A review of 45 studies concluded that abused children were consistently more symptomatic than nonabused children for nearly all symptoms and behaviors examined (2). Childhood abuse was estimated to account for 15% to 45% of the variance in symptomatic behaviors, although no one symptom picture characterized the majority of abused children. Furthermore, many childhood abuse victims do not later demonstrate many or any of these sequelae (10, 13–15).

Studies comparing abused children to clinical nonabused children have also produced conflicting data (2). Except for sexual behaviors, the abused children were generally less symptomatic than their nonabused clinical comparisons. Kendall-Tackett and colleagues (2) noted two potential methodological confounds that might account, in part, for these surprising findings. First is the issue of whether abuse was identified in the...
clinical comparison samples. Second, they noted that the clinical comparison groups—by definition—were composed of patients referred for their symptomatic and behavioral difficulties. A third possibility is that Axis II symptoms were not a part of these comparisons and that the abused children may have registered more psychopathology in this realm as opposed to axis I functioning.

These issues highlight the importance of minimizing selection, sampling, and assessment confounds (16, 17) that can influence reports of childhood abuse and its psychological correlates. These and other complex issues pertaining to validity of recall (18) notwithstanding, examination of psychological functioning in study groups of clinical patients can better inform clinical research and intervention efforts. One strategy is to compare study groups from the same overall study population by using similar recruitment procedures and measures (17). This approach lessens the degree to which any identified distinguishing characteristics are artifacts of the selection and recruitment methodology (19).

In this study, we examine psychological and behavioral correlates of childhood abuse in psychiatrically hospitalized adolescents. We compare adolescents who reported high childhood abuse to those who reported no childhood abuse by using a battery of psychometrically well-established self-report instruments. In addition to this categorical approach, contrasting two groups created to maximize differences in the self-report of childhood abuse, we aim to examine the dimensional association between reports of childhood abuse and psychological variables. Categorical analyses are selected to provide clarification of the equivocal findings in the literature. The dimensional analyses more accurately reflect the range and severity of abusive childhood experiences (i.e., greater ecological validity) and allow examination of the degree to which these experiences affect psychological functioning.

METHOD

Subjects

Subjects were a nearly consecutive series of 322 adolescent inpatients admitted to the evaluation and crisis intervention unit of a private, nonprofit psychiatric teaching hospital. These patients were hospitalized for a variety of serious psychiatric problems. Patients were admitted on the basis of need for inpatient-level intervention; no other selection processes were used.

Inclusion criteria for the study population included 1) an adequate ability to read and comprehend the psychological evaluations used (see Procedure), 2) not actively psychotic, and 3) not so cognitively impaired or agitated as to preclude testing. At admission, all subjects and their parents (or legal guardians) provided written informed consent for evaluation.

Of the 322 subjects, 137 (42.5%) were male, and 185 (57.5%) were female. Ages ranged between 13 and 19 years (mean=15.8, SD=1.5). Two hundred sixty-one (81.1%) of the subjects were Caucasian, 33 (10.2%) were African American, 26 (8.1%) were Hispanic American, and two (0.6%) were of other ethnicity. Subjects were predominately from lower- to middle-class families with 75 (23.3%) of the 322 subjects receiving public entitlements. Global Assessment of Functioning Scale ratings averaged 53.9 (SD=11.2) at the time of admission and averaged 62.5 (SD=10.3) for the year before admission.

DSM-III-R diagnoses were assigned at the time of discharge (independently of the testing described here). The most frequently assigned diagnoses were, in descending order, major depression (41%, N=133), dysthymia (39%, N=124), drug use disorders (38%, N=123), conduct disorder (24%, N=76), alcohol use disorders (22%, N=71), oppositional defiant disorder (21%, N=68), and attention deficit hyperactivity disorder (15%, N=47). These clinical consensus diagnoses were generated on the basis of a review of each patient’s history and presenting data by a multidisciplinary treatment team of experienced clinicians with faculty supervision (D.C.F.); semistructured diagnostic interviews were not employed. Medical records data and family records—chosen because routine components of the diagnostic evaluations. The clinical-consensus psychiatric diagnoses are provided solely for descriptive and contextual information.

Procedure

Subjects completed a battery of self-report instruments within 1 and 4 days of admission. All of the measures were administered and scored by computer. A brief description of the measures follows.

The Millon Adolescent Clinical Inventory (20) is a 160-item, self-report inventory developed and normed with clinical samples (20, 21) and used with adolescent inpatients (21, 22). The Millon Adolescent Clinical Inventory is characterized by good psychometric properties and good theoretical-substantive, internal-structural, and external-criterion validation (20, 21). The Millon Adolescent Clinical Inventory has been validated against several measures of psychological functioning (20). Millon and colleagues (20) reported adequate test-retest reliability (correlation coefficients ranged from 0.57 to 0.92 for individual scales) and adequate internal consistency (alpha coefficients ranged from 0.73 to 0.91 for individual scales).

The Millon Adolescent Clinical Inventory contains basic validity checks (e.g., completeness, certain validity items—chosen because of their extremely low rates—that if endorsed might suggest insufficient attention to the test or carelessness). All subjects considered in this report passed the validity checks. The Millon Adolescent Clinical Inventory scoring process takes into account age, gender, and actuarial base rate data to establish scale scores. Millon Adolescent Clinical Inventory scale score cutoffs are produced so that the frequencies of the scale scores correspond to actual trait frequencies in adolescent clinical populations (see 20, 21). The Millon Adolescent Clinical Inventory also weights and adjusts scores based on test-taking attitudes (i.e., levels of disclosure, desirability, and debasement).

Two specific scales of the Millon Adolescent Clinical Inventory were used for this study: the childhood abuse scale and the borderline tendency scale.

The child abuse scale contains 24 items that assess various forms of abuse (e.g., “People did things to me sexually when I was too young to understand”). High scores on this scale reflect adolescent self-reports of shame or disgust about having experienced sexual, physical, or verbal abuse from others. The childhood abuse scale showed adequate internal consistency in two validation samples (0.83 and 0.81) and a test-retest (3–7 days) correlation of 0.81 (20). Scores on the childhood abuse scale were significantly correlated with clinician judgments (r=0.43, p<0.001) in the original concurrent validation study (20).

The borderline tendency scale contains 21 items that assess core emotional, cognitive, and behavioral aspects of the borderline personality disorder diagnosis. The borderline tendency scale showed adequate internal consistency in two validation samples (0.86 and 0.86) and a test-retest (3–7 days) correlation of 0.92 (20).

The Beck Depression Inventory, 21-item version (23, 24), is a well-established and widely used inventory of the cognitive, affective, motivational, and somatic symptoms of depression. It has been researched extensively with adolescents (25), given its fifth-grade readability level (26), and has been shown to have excellent psychometric properties with adolescent patients (23, 25). Strober et al. (27) reported an internal consistency of 0.79, a 0.67 correlation with
clinical ratings of depression, and a 5-day, test-retest reliability of 0.69 for a sample of adolescent inpatients.

The Depressive Experiences Questionnaire for Adolescents (28) is a 66-item, self-report questionnaire that assesses experiences noted in the lives of depressed patients but not necessarily regarded as clinical symptoms of depression. Responses are given on a 7-point, Likert-type scale. We focused on the two main factors of the Depressive Experiences Questionnaire for Adolescents (28, 29): interpersonal (dependent) dysphoria and self-critical dysphoria. The first factor, dependency, reflects a depreciated sense of self, dependency, and helplessness. The second factor, self-criticism, reflects self-blame, guilt, and a loss of autonomy. These Depressive Experiences Questionnaire for Adolescents factors have been replicated with community samples of high school students (28–30) and have demonstrated a high level of internal consistency, good retest reliability, and convergent validity (28, 29).

The Hopelessness Scale for Children (31) is a 17-item, true/false scale for children and adolescents that taps into negative future expectations. The Hopelessness Scale for Children has been used with adolescents and has demonstrated good psychometric properties (32, 33). Internal consistency for the Hopelessness Scale for Children (0.97 alpha) is excellent, and test-retest reliability (0.52) is adequate (31).

The Suicide Risk Scale (34) is a 15-item, true/false self-report measure of feelings of hopelessness, present suicidal feelings, past suicidal behavior, and other items that have been shown to be associated with suicide risk. The Suicide Risk Scale has good internal reliability, with a coefficient alpha of 0.74 with adolescents, as well as good sensitivity and specificity (34–36). The Suicide Risk Scale has been cross validated with other inpatient samples and discriminates well between groups of patients who have and have not made suicide attempts (35).

The Past Feelings and Acts of Violence Scale (37) is a 12-item, self-report scale in which responses are coded on a 3-point continuum of frequency. The scale inquires about the frequency of feelings of anger, past acts of violence toward others, use of weapons, and history of arrests. The scale has been demonstrated to have good discriminative validity with adult psychiatric inpatients and with adolescents has been shown to have good internal consistency, item sensitivity, and specificity (38).

The Impulsivity Control Scale (35) is a 15-item, self-report scale designed to assess impulsivity that is independent of aggressive behavior; items are answered on a 3-point frequency scale. With adolescents, the Impulsivity Control Scale has good internal reliability and correlates well with other measures of suicide and violence risk (35, 38).

HISTORIES OF CHILDHOOD ABUSE

TABLE 1. Characteristics of Psychiatrically Hospitalized Adolescents Who Reported No Childhood Abuse or a High Level of Abuse

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>No Abuse (N=93)</th>
<th>High Abuse (N=70)</th>
<th>Analysisa</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>N</td>
<td>%</td>
<td>N</td>
</tr>
<tr>
<td>Gender</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Male</td>
<td>43</td>
<td>46.2</td>
<td>21</td>
</tr>
<tr>
<td>Female</td>
<td>50</td>
<td>53.8</td>
<td>49</td>
</tr>
<tr>
<td>Ethnicity</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Caucasian</td>
<td>78</td>
<td>83.9</td>
<td>54</td>
</tr>
<tr>
<td>African American</td>
<td>7</td>
<td>7.5</td>
<td>8</td>
</tr>
<tr>
<td>Hispanic American</td>
<td>7</td>
<td>7.5</td>
<td>8</td>
</tr>
<tr>
<td>Asian American</td>
<td>1</td>
<td>1.1</td>
<td>0</td>
</tr>
<tr>
<td>Attending school</td>
<td>91</td>
<td>97.8</td>
<td>67</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mean</th>
<th>SD</th>
<th>Mean</th>
<th>SD</th>
<th>F</th>
<th>df</th>
<th>p</th>
</tr>
</thead>
<tbody>
<tr>
<td>Age (years)</td>
<td>15.5</td>
<td>1.4</td>
<td>16.0</td>
<td>1.5</td>
<td>4.7</td>
<td>1,161</td>
</tr>
<tr>
<td>Global Assessment of Functioning Scale score</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Current</td>
<td>52.8</td>
<td>10.8</td>
<td>51.5</td>
<td>11.7</td>
<td>0.5</td>
<td>1,161</td>
</tr>
<tr>
<td>Past year</td>
<td>63.9</td>
<td>10.8</td>
<td>59.0</td>
<td>10.6</td>
<td>8.1</td>
<td>1,161</td>
</tr>
</tbody>
</table>

a All tests were two-tailed. Chi-square analysis included Yates’s continuity correction.

RESULTS

Categorical Analysis: No Abuse Versus High Abuse

Table 1 summarizes demographic and psychiatric functioning severity data for the two study groups and the statistical tests for significant differences (Yates's continuity-corrected chi-square analysis for categorical and one-way analyses of variance for continuous
TABLE 2. Scores on Psychological Measures for Psychiatrically Hospitalized Adolescents Who Reported No Childhood Abuse or a High Level of Abuse

<table>
<thead>
<tr>
<th>Measure</th>
<th>Score</th>
<th>Analysis (^a)</th>
<th>Analysis With Beck Depression Inventory and Age Covariates (^a)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No Abuse (N=93)</td>
<td>High Abuse (N=70)</td>
<td>F (df=1, 163) (p)</td>
</tr>
<tr>
<td>Beck Depression Inventory</td>
<td>Mean SD</td>
<td>Mean SD</td>
<td></td>
</tr>
<tr>
<td></td>
<td>7.8 7.2</td>
<td>25.5 12.7</td>
<td>126.9 &lt;0.0001</td>
</tr>
<tr>
<td>Depressive Experiences Questionnaire for Adolescents</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dependency factor</td>
<td>–0.5 0.9</td>
<td>0.6 1.2</td>
<td>44.5 &lt;0.0001</td>
</tr>
<tr>
<td>Self-criticism factor</td>
<td>–0.3 1.1</td>
<td>0.6 1.0</td>
<td>31.2 &lt;0.0001</td>
</tr>
<tr>
<td>Hopelessness Scale for Children</td>
<td>3.3 2.5</td>
<td>7.8 4.5</td>
<td>66.9 &lt;0.0001</td>
</tr>
<tr>
<td>Suicide Risk Scale</td>
<td>3.6 2.6</td>
<td>9.2 2.7</td>
<td>182.1 &lt;0.0001</td>
</tr>
<tr>
<td>Past Feelings and Acts of Violence Scale</td>
<td>6.9 4.5</td>
<td>12.2 6.7</td>
<td>36.1 &lt;0.0001</td>
</tr>
<tr>
<td>Impulsivity Control Scale</td>
<td>17.5 5.6</td>
<td>22.5 6.4</td>
<td>28.4 &lt;0.0001</td>
</tr>
<tr>
<td>Drug Abuse Screening Test—Adolescents</td>
<td>4.2 4.5</td>
<td>9.0 6.6</td>
<td>30.0 &lt;0.0001</td>
</tr>
<tr>
<td>Borderline tendency scale of Millon Adolescent Clinical Inventory</td>
<td>37.5 17.7</td>
<td>70.6 17.1</td>
<td>144.3 &lt;0.0001</td>
</tr>
</tbody>
</table>

\(^a\) All tests were two-tailed.

...data). The no-abuse group was, on average, 0.5 years younger than the high-abuse group. The groups did not differ in regard to gender, ethnicity, or participation in school. Although the two groups did not differ in current Global Assessment of Functioning Scale scores, the no-abuse group had a higher Global Assessment of Functioning Scale score for the previous year.

Table 2 summarizes scores on the battery of self-report instruments administered to the two study groups. The high-abuse group reported significantly higher levels of depression, dependency, self-criticalness, hopelessness, suicidality, violence risk, impulsivity, substance use problems, and borderline tendency.

Given the differences between the two study groups in age (0.5-year average difference) and depression scores as measured by the Beck inventory (24), we reanalyzed these findings by covarying for age and Beck inventory scores. Because depressed mood can potentially influence self-reports of psychological functioning, this analytic strategy seemed indicated. As summarized in table 2, the high-abuse group had significantly higher scores than did the no-abuse group on the following measures after covarying for Beck inventory and age: depression, suicidality, violence, impulsivity, substance use problems, and borderline tendency.

**Dimensional Analysis**

Table 3 summarizes scores for the entire subject group (N=322). Correlations between each measure and the childhood abuse scale were computed. Correlational analyses between each measure and the childhood abuse scale were performed, controlling for depressive mood (by partialling out the Beck inventory scores) and for age. Age is important to control for here because older age allows more time to develop the problematic domains of interest (e.g., substance abuse). As shown in table 3, childhood abuse scores were significantly associated with the following after controlling for Beck inventory scores and age: depression, suicidality, violence, impulsivity, substance use problems, and borderline tendency.

**DISCUSSION**

This study examined symptomatic psychological and behavioral correlates of childhood abuse in a study group of psychiatrically hospitalized adolescents. Two specific study groups (no abuse and high abuse) were created from the same inpatient group. This recruitment procedure should have eliminated some potential selection and sampling confounds (17) found in previous studies. Moreover, the two study groups did not differ in many potentially confounding demographic and severity variables (19). The no-abuse group was slightly younger (0.5 years on average) than the high-abuse group, but otherwise the two groups were comparable.

We found in our group of psychiatrically hospitalized adolescents that patients who report childhood abuse are characterized by a complex array of severe psychological, personality, and behavioral problems that distinguish them from those patients who do not report childhood abuse. Our analyses with age and depression as covariates revealed that the high-abuse group is characterized by higher levels of dependency, suicidality, violence, impulsivity, and substance use problems than is the no-abuse group. This constellation of psychological and behavioral symptoms represents key features of DSM-IV-defined borderline personality disorder. Consistent with this pattern was the finding that the high-abuse group had significantly higher scores on the Millon Adolescent Clinical Inventory borderline tendency scale than the no-abuse group.

Our findings are consistent with the hypothesized association between childhood abuse and borderline personality organization based on findings from a variety of study designs (e.g., 41, 42). Caution is indicated, however, when thinking about possible causality. The
TABLE 3. Scores on Psychological Measures and Correlations With Ratings of Childhood Abuse for 322 Psychiatrically Hospitalized Adolescents

<table>
<thead>
<tr>
<th>Measure</th>
<th>Score Mean</th>
<th>SD</th>
<th>Correlations With Childhood Abuse Scale</th>
<th>Partial Correlations With Beck Depression Inventory and Age Partialled Out</th>
<th>p</th>
<th>p</th>
</tr>
</thead>
<tbody>
<tr>
<td>Childhood abuse scale of Millon Adolescent Clinical Inventory</td>
<td>47.7</td>
<td>24.9</td>
<td>0.51</td>
<td>&lt;0.001</td>
<td>0.13</td>
<td>0.02</td>
</tr>
<tr>
<td>Beck Depression Inventory</td>
<td>16.8</td>
<td>12.1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Depressive Experiences Questionnaire for Adolescents</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Self-criticism</td>
<td>0.1</td>
<td>1.1</td>
<td>0.33</td>
<td>&lt;0.001</td>
<td>0.05</td>
<td>n.s.</td>
</tr>
<tr>
<td>Hopelessness Scale for Children</td>
<td>5.7</td>
<td>4.1</td>
<td>0.38</td>
<td>&lt;0.001</td>
<td>0.03</td>
<td>n.s.</td>
</tr>
<tr>
<td>Suicide Risk Scale</td>
<td>6.5</td>
<td>3.5</td>
<td>0.58</td>
<td>&lt;0.001</td>
<td>0.36</td>
<td>&lt;0.001</td>
</tr>
<tr>
<td>Past Feelings and Acts of Violence Scale</td>
<td>9.4</td>
<td>6.1</td>
<td>0.29</td>
<td>&lt;0.001</td>
<td>0.21</td>
<td>&lt;0.001</td>
</tr>
<tr>
<td>Impulsivity Control Scale</td>
<td>19.8</td>
<td>6.1</td>
<td>0.26</td>
<td>&lt;0.001</td>
<td>0.13</td>
<td>0.02</td>
</tr>
<tr>
<td>Drug Abuse Screening Test—Adolescents</td>
<td>6.2</td>
<td>6.0</td>
<td>0.27</td>
<td>&lt;0.001</td>
<td>0.22</td>
<td>&lt;0.001</td>
</tr>
<tr>
<td>Borderline tendency scale of Millon Adolescent Clinical Inventory</td>
<td>56.8</td>
<td>23.9</td>
<td>0.50</td>
<td>&lt;0.001</td>
<td>0.31</td>
<td>&lt;0.001</td>
</tr>
</tbody>
</table>

*All tests were two-tailed.*

cross-sectional nature of this study precludes any such discussion. Indeed, writers have aptly noted that the complex associations between childhood abuse and psychiatric dysfunction can arise, in part, because of a variety of influences, including social, familial, genetic, and contextual factors that are associated with either or both abuse and risk for disorder (1, 3, 11, 41, 42).

The generalizability of our findings may be limited to heterogeneous inpatient populations. Our basic requirements of adequate reading and comprehension and the absence of florid psychosis or severe agitation, while resulting in few exclusions, potentially screened out the most severe spectrum of inpatient cases. Generalizability is further limited to the abuses identifying the high-abuse study group, which represented a heterogeneous collection of abusive experiences (sexual, physical, emotional). Future research can focus on whether psychological correlates vary differentially by characteristics and timing of abuse.

We relied on a self-report battery of instruments and used a computer to administer the questionnaires. These methodologies appear to be particularly useful for assessing sensitive topics (43, 44). In adolescents, this may remove some interpersonal concerns (e.g., embarrassment, distress) or barriers to accurate disclosure of sensitive or personal materials (43). Computerized assessments of self-report instruments similar to those employed here have been found to be favorable to paper-and-pen versions in terms of reliability and validity (45).

The validity of reports of abuse is a complex issue (18). Our report speaks only to the psychological profiles of adolescent inpatients who report or do not report having been abused. We can assert only that the independent review of a random sampling of complete medical records was generally concordant with our characterization of high abuse and no abuse. In our group of psychiatrically hospitalized adolescents, patients who report childhood abuse are characterized by a complex array of severe psychological, personality, and behavioral problems that distinguish them from those patients who do not report childhood abuse. The constellation of symptoms is consistent with borderline personality in statu nascendi.

REFERENCES

41. Sabo AN: Etiological significance of associations between childhood trauma and borderline personality disorder: conceptual and clinical implications. J Personal Disord 1997; 11:50–70
42. Paris J: Childhood trauma as an etiological factor in the personality disorders. J Personal Disord 1997; 11:34–49