A Descriptive Analysis of Psychosocial Factors Associated With Non-fatal Adolescent Suicide Attempts

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Abstract

Introduction: Adolescence is the tender, vulnerable transition period with umpteen challenges and individual vulnerability. Various Psychosocial factors play a determinantal role in the genesis of adolescent suicide attempts and the present descriptive study tries to analyze some common psychosocial factors in cases of non-fatal adolescent suicide attempters. Method: Fifty subjects were recruited in the study. Detailed assessment of psychiatric morbidity and attempted suicide was done by clinical interview and validated by M.I.N.I.- KID, Beck Suicide Intent Scale and Adolescent Suicide Assessment Protocol-20. Psychosocial factors associated with the attempt were documented with the semi-structured proforma and descriptive statistical analysis was done with the help of SPSS version 15. Results: Majority of the suicide attempters were in the age group of 18-19 years and females (54%) outnumbered males (46%). Most of the subjects were single (88%), Hindu (86%) by religion, belonged to middle socioeconomic class (82%) and were from the urban background (80%). Two third of them belonged to nuclear family and half of them were students. In our evaluation of various psychosocial factors, 76% of subjects were found to have psychosocial stressor, in that 10% had two or more stressors. Family related factors were the most common (60%) followed by college related factors (26%) in which most common was love failure (12%). Conclusion: A sizeable proportion of subjects had various psychosocial factors associated with non-fatal adolescent suicide attempts and emphasis on these factors can help in prevention and hence monitoring of at-risk adolescents.

Key words: Adolescents, Psychosocial factors, Suicide attempts.

Introduction

Suicide is a major public health concern and WHO estimates that nearly 900,000 people worldwide die from suicide every year [1]. Today, 1.2 billion adolescents stand at the crossroads between childhood and the adult world and 243 million of them live in India [2]. Adolescents constitute 21 per cent of the population of India and this is the generation which will shape India’s future [3]. Premature deaths among adolescents are a tragedy; where the death is self-inflicted, it is often bewildering.
psychosocial, behavioral and sexual maturation. These bio-psychosocial factors play an important role in determining the adolescent behavior towards suicide. Adolescent suicidal behavior has been characterized as a multidimensional construct constituting a complex relationship between psychosocial and environmental components. Factors like lack of social support, academic pressure, poverty, interpersonal conflict, previous suicidal behavior, cultural transition, and acculturation as well as the use of inadequate coping strategies have been identified [7]. Adolescence is widely considered to be a period of increased stress resulting from the multilayered personal, cognitive and social development that accompanies this life stage [8]. Since attempted suicide in adolescence is a complex phenomenon where in psychosocial factors play a crucial role, the current study was carried out with an aim of studying the various psychosocial factors associated with non-fatal adolescent suicide attempts.

**Materials and Methods**

This is a descriptive type of observational study conducted from January 2011 to September 2012 on non-fatal adolescent suicide attempters in the age group of 10-19 years; attending Psychiatry department at Vydehi Institute of Medical Sciences and Research Centre, Whitefield, Bangalore. ‘Any act of self-damage inflicted with self-destructive intentions, however vague and ambiguous’ was taken as a suicide attempt for the purpose of the study [9]. Fifty cases of adolescent suicide attempters referred from various departments were included after obtaining a written informed consent. Patients whose injuries were considered to be accidental in origin with no suggestion of self harm intention, and those succumbed to their injuries, were excluded from the study. The patients were interviewed once their general condition improved. Next of Kin (NOK) of each patient were interviewed with the patients’ consent for any additional information. Confidentiality of the information obtained was ensured to the patient. Patients who did not consent for the study and who were critically ill to co-operate for assessment were excluded from the study. The study protocol was approved by the Institutional Ethics Committee.

**Tools used:**

1. Informed Consent.

2. Semi-structured proforma for recording socio-demographic variables, details of suicide attempt, medical and psychiatric history.

3. Kuppuswamy’s socioeconomic status scale [10].

4. MINI International Neuropsychiatric Interview for Children & Adolescents [M.I.N.I.- KID] [11].

5. Beck Suicide Intent Scale [12]: It is a 20-item interviewer administered assessment of the intensity of an attempter’s wish to die at the time of the index attempt. The scale is completed using retrospective data obtained from the patient. The total scores obtained are categorized into the following subgroups: 1. Low intent (0-6), 2. Moderate intent (7-12), 3. High intent (13-20) and 4. Very high intent (21+)

6. Adolescent Suicide Assessment Protocol-20 (ASAP) [13]: The ASAP-20 was developed from a careful review of the adolescent suicide risk literature to identify both static and dynamic factors associated with both adolescent attempted and completed suicides. ASAP-20 presents the 20 items most discriminating of ratings of low, medium and high risk of suicide by mental health professionals of adolescents who are presenting for initial evaluation. ASAP-20 is organized into four domains: Historical, Clinical, Contextual and Protective.

7. Semi-structured proforma for assessing psychosocial factors.

Written informed consent was taken following an explanation about nature and purpose of the study in a language best understood by the patient and NOK. The socio-demographic variables of the patient were recorded in the semi-structured proforma. A detailed history, physical examination and mental status examination were recorded in a proforma designed for the study.

The assessment of suicide was done by clinical interview and supported by Beck Suicide Intent Scale and Adolescent Suicide Assessment Protocol-20. The Psychiatric morbidity was assessed independently by a faculty and validated by M.I.N.I.- KID and coded as per International Classification of Disorders (ICD-10). Psychosocial factors contributing to the attempt was documented with the help of a semi-structured proforma for assessing psychosocial factors.

**Statistics:** Data was analyzed using SPSS package version 15.0. The data was expressed using mean, median and standard deviation for continuous variables and frequency and percentages for categorical variables.
Results
The current study had a sample of 50 cases. Majority of the suicide attempters were in the age group of 18-19 years (74%) and females (54%) marginally outnumbered males (46%). Majority of the subjects were single (88%), Hindu (86%) by religion, belonged to middle socioeconomic class (82%) and were from the urban background (80%). Two third of them belonged to nuclear family and half of our subjects were students. Half of our subjects had attempted suicide by poison consumption (46%), followed by drug overdose (42%) while method of hanging was opted by 12%. Maximum people (88%) in our sample had attempted suicide once. In terms of lethality of the attempt, 50% of our subjects were found to have high lethality. Sixty per cent had attempted suicide in an impulse, whereas 40% had done planning prior to attempt.

Table 1: Details of Suicide Attempt (N=50)

| Variable                                | n | %  |
|-----------------------------------------|---|----|
| **Method of Attempt**                   |   |    |
| Hanging                                 | 6 | 12 |
| Poison Consumption                      | 23| 46 |
| Drug Overdose                           | 21| 42 |
| **Nature of Attempt**                   |   |    |
| Planned                                 | 20| 40 |
| Impulsive                               | 30| 60 |
| **Communication with Family Members**  |   |    |
| Yes                                     | 6 | 12 |
| No                                      | 44| 88 |
| **Present attempt under the influence of Alcohol** |   |    |
| Yes                                     | 0 | 0  |
| No                                      | 50| 100|
| **Number of Attempts**                  |   |    |
| 1                                       | 44| 88 |
| 2-5                                     | 6 | 12 |
| >5                                      | 0 | 0  |
| **Lethality**                           |   |    |
| High                                    | 25| 50 |
| Low                                     | 25| 50 |
| >5                                      | 0 | 0  |
Maximum of our subjects (88%) had not communicated anytime to family members before the attempt. Adolescent Suicide Assessment Protocol showed 18% had high risk appraisal, 4% had medium risk appraisal, 88% had low risk appraisal. Forty per cent of adolescent attempters had moderate intent, 32% had high intent, 26% had low intent and 2% had very high intent on Beck Suicide Intent Scale. (Table 1 and Table 2)

Table 2: Assessment of Suicide Risk Appraisal and Intent (N=50)

| Variable                        | n  | %  |
|---------------------------------|----|----|
| **Adolescent Suicide Assessment Protocol** |    |    |
| Low (0-15)                      | 44 | 88 |
| Medium (16-19)                  | 2  | 4  |
| High (20+)                      | 4  | 8  |
| **Beck Suicide Intent Scale**   |    |    |
| Low (0-6)                       | 13 | 26 |
| Moderate (7-12)                 | 20 | 40 |
| High (13-20)                    | 16 | 32 |
| Very High (21+)                 | 1  | 2  |

In our study we found 86% of subjects had psychiatric diagnosis as assessed by M.I.N.I.- KID. Among which, 40% of the subjects had the diagnosis of Adjustment Disorder (40%), followed by Depressive Episode (MDD) amounting for 22% and Dysthymia in 8%. Psychosis NOS was seen in 6%. Conduct Disorder was found in 4%. Generalized Anxiety Disorder, Manic episode and Opioid Dependence Syndrome were amounting for 2% each. None of our subjects had dual diagnosis. (Table 3)

Table 3: Psychiatric Morbidity (N=50)

| Psychiatric Diagnosis                        | n  | %  |
|----------------------------------------------|----|----|
| Adjustment Disorder-Prolonged Depressive Reaction | 13 | 26% |
| Adjustment Disorder –Brief Depressive Reaction | 7  | 14% |
| Depressive Episode (MDD)                     | 11 | 22% |
| Dysthymia                                     | 4  | 8% |
| Psychosis NOS                                 | 3  | 6% |
| Conduct Disorder                              | 2  | 4% |
| Generalized Anxiety Disorder                  | 1  | 2% |
| Manic Episode                                 | 1  | 2% |
| Opioid Dependence Syndrome                    | 1  | 2% |
| Hyperkinetic Disorder                         | 0  | 0% |
| No Diagnosis                                  | 7  | 14% |

In our evaluation of various psychosocial factors, 76% of subjects were found to have psychosocial stressor, in that 10% had two or more stressors. When we evaluated family related factors we found most common was conflict with mother amounting for 20%, next was family conflict with other members (16%) and conflict with father (14%) and few subjects reported conflicts with siblings (6%) and in-laws (4%). College related factors were found in 26% of subjects in which most common was love failure (12%). Twelve per cent people had marital problems. Twelve per cent of subjects reported conflicts with peers. Unfulfilled commitments at work as a stressor were reported by one subject. Six per cent of subjects had financial problems. One subject reported bereavement as the principal stressor.
Very few of our subjects were diagnosed with and had past history of psychiatric illness (2%) and medical illness (2%) prior to attempting suicide, but none of our subjects were taking any treatment for mental or medical disorder prior to the attempt. Six per cent had positive family history of Deliberate Self Harm whereas 4% had history of substance dependence in the family. In our study 38 (76%) subjects had only one psychosocial stressor associated with the suicidal attempt, and 10 (20 %) subjects had 2 or more psychosocial factors associated with the suicidal attempt. (Table 4, Table 5 and Table 6)

Table 4: Psychosocial Factors (N=50)

| Family Related | School/College Related | Marital Related | Peer Related | Work Related |
|----------------|------------------------|----------------|--------------|-------------|
| Variable       | n | % | Variable | n | % | Variable | n | % | Variable | n | % | Variable | n | % |
| No problems related to family | 2 | 0 | % | | | | | | | | | | | |
| Change of school | 3 | 6.0 | % | | | | | | | | | | | |
| Marriage | 6 | 12 | % | | | | | | | | | | | |
| Conflicts with peers | 6 | 12 | % | | | | | | | | | | | |
| Loss of job | 0 | 0 | % | | | | | | | | | | | |
| Family conflict | 8 | 16.0 | % | | | | | | | | | | | |
| Exam failure | 3 | 6.0 | % | | | | | | | | | | | |
| Divorce | 0 | 0 | % | | | | | | | | | | | |
| Romantic relationship with peers | 0 | 0 | % | | | | | | | | | | | |
| Trouble at work with superiors | 0 | 0 | % | | | | | | | | | | | |
| Conflict with mother | 1 | 0 | % | | | | | | | | | | | |
| Poor scholastic performance | 1 | 2.0 | % | | | | | | | | | | | |
| Broken engagement | 0 | 0 | % | | | | | | | | | | | |
| Suicide in peers | 0 | 0 | % | | | | | | | | | | | |
| Trouble at work with subordinates | 0 | 0 | % | | | | | | | | | | | |
| Conflict with father | 7 | 14.0 | % | | | | | | | | | | | |
| Love failure | 6 | 12.0 | % | | | | | | | | | | | |
| Marital reconciliation | 0 | 0 | % | | | | | | | | | | | |
| Marriage of adoring personality | 0 | 0 | % | | | | | | | | | | | |
| Trouble at work with colleagues | 0 | 0 | % | | | | | | | | | | | |

Table 5: Cumulative Effects of Psychosocial Factors (N=50)

| Number of Psychosocial Factors | n | % |
|-------------------------------|---|---|
| 1 Factor                     | 38 | 76% |
| 2 Factors                    | 8  | 16% |
| 3 Factors                    | 0  | 0% |
| 4 Factors                    | 2  | 4% |
| 5 Factors                    | 0  | 0% |
| 6 Factors                    | 0  | 0% |
| Nil Factors                  | 2  | 4% |

Discussion

Most of the adolescents (74%) who had attempted suicide were in the age group of 18 and 19 years. The mean age was 17.88 which corroborates with the study of Kumar et al where mean age of the sample was 17.58 [14]. Age group of 18-19 years is more demanding as there is transition from adolescent to the adulthood, decision regarding the career and more demands from the relationship can be the reasons for increased suicide attempt rate in this age group. In the current study, it was found that among the adolescent suicide attempters, 46% were males and 54% were females. Females had outnumbered the males. This is in corroboration of
many studies carried out in suicide and these studies have reported females to show suicidal thoughts and suicide attempts significantly more often than the males [14,15]. In our study, 78% of the adolescent suicide attempters were unmarried while 22% were married. Since the legal age of marriage in our country is 18 for females and 21 for males, all the married subjects in the study population were female patients (22%). It is estimated there are worldwide more than 51 million adolescent girls aged 15–19 who are married and bearing the burden of domestic responsibility and the risks associated with early sexual activity, including pregnancy. In South Asia in 2005, 48% (nearly 10 million) of young women were married before the age of 18 [16]. Despite a shift towards later marriages in many parts of the world, in the countries of South Asia a majority of girls still marry before age 18 (65% in Bangladesh, 57% in Nepal, 54% in Afghanistan, and almost 50% in India) [17]. This phenomenon of early marriage of adolescent girls is multidimensional in nature with various consequences and projects new dimensions as risk factors for the suicide attempt. This might also explain the increased risk of suicide attempts in female adolescent population. Seventy-six per cent of the sample population of adolescent suicide attempters belonged to urban areas. This can be related to our hospital’s geographical location being urban. However, the effects of modernization and urbanization have led to sweeping changes in the socioeconomic, sociopolitical and cultural arenas of people’s lives, which have greatly added to the stress in life, leading to substantially higher rates of suicide [18].

In the current study 80% of the adolescent suicide attempters belonged to nuclear families and surprisingly the proportion of adolescent suicide attempters from a three to four membered family in our study was 64%. Singh H et al. found that stress was more among adolescents belonging to nuclear families [19]. The current day nuclear family is highly stressed with each family member struggling for his/her own existence. There is little time left to address the needs of the vulnerable adolescent population and adding to it, lack of a sibling in the family makes it even worse. Kumar et.al in his study of adolescent suicides has also reported an over representation of subjects from nuclear families (56.8%) [14]. In the present study, 86% of adolescent suicide attempters belonged to Hindu religion. This finding can be explained on the grounds that majority of population in our vicinity belong to Hindu religion. In the current study, 58% of adolescent suicide attempters were students. This may be because of the urban population sample and the age group falls in the age of schooling and college years. Majority of adolescent suicide attempters were from middle socioeconomic status (82%) in the current study. As our hospital is located in an Information Technology (IT) corridor, there is an over representation of Middle SES. Mathur and Freeman (2002) had argued that higher SES could increase suicide risk among adolescents as parental time is directed toward economic activities rather than childcare [20]. However, Donald Langille B et.al had reported that lower socio-economic status is associated with adolescent risk behaviors [21].

In our study, it was found that about 46% of adolescents attempted suicide by poison consumption and 42% of adolescents attempted suicide by drug overdose. Twelve per cent of adolescents attempted suicide by hanging. (Table 1) Variations in the degree of availability have an important influence on the methods of suicide chosen by adolescents. Aaron et al., (2004) in their study of Rural population of 108,000 in the age group of 10-19 yrs found that commonest method of suicide attempt was Hanging (44%) > Poisoning (40%) > self-immolation (9%) [22]. According to the NCRB 2013 report on Accidental Deaths and Suicides in India, the most common method of attempting suicide in children up to the age of 14 years was hanging (N=806), followed by poisoning (N=496) and drowning (404) [23]. Deliberate self-poisoning has become an increasingly common response to emotional distress in young adults. Agrochemical pesticides have been reported as the most common cause of acute poisonings in the region [24]. We have found that the poison use for the attempt were those which were easily available in the house in the form of rat poison and repellents. Self-poisoning is the most common choice for attempted suicide in the Indian subcontinent [14]. Ponnudurai et al in one of their major studies in adolescents reported that 31.4% had used organophosphorus compounds, 16.28% - sleeping tablet, 15.12% - copper sulphate, 8.4% - burning and 8.14% oleander seeds [25]. Latha et al observed a similar trend and pointed out that violent methods such as drowning, hanging, jumping from a height and strangulation are rare [26]. In the west also the similar trends are seen. Shaffer in his research observed that between 80% to 90% of adolescents who were referred to the hospital after attempted suicide had taken overdose [27]. Sixty per cent of adolescent suicide attempts were impulsive and 40% were planned in our study. (Table 1) In young individual’s impulsiveness and short term triggers such as relational conflicts may often set off suicidal events when they are
superimposed on long-term underlying reasons that account for the vulnerability for suicidal behavior in stressful situations. Many young suicide attempters report that they spent only minutes between the decision and the actual attempt indicating a high degree of impulsiveness [28]. Only 6% of the adolescent suicide attempters had communicated their suicidal ideas to their family members prior to the attempt (Table 1), indicating high intentionality and impulsivity. Eighty-eight per cent of adolescent suicide attempters were first time attempters and 12% had attempted previously. (Table 1) Previous suicidal attempt is an important risk factor for the index attempt, and this has been emphasized by various authors [14,29]. Lethality was high in 50% of the cases as the lethal doses of drugs and poison were used. (Table 1) Suicide attempters who make attempts of high medical lethality (e.g., hanging, shooting, or jumping) are at extremely high risk for completed suicide. However, an attempt of low lethality does not necessarily indicate low suicidal intent, especially in younger children whose cognitive immaturity makes it difficult to formulate and execute a suicidal plan. In an impulsive individual for whom a lethal agent such as a firearm or paracetamol is available, an attempt with relatively low intent may result in a medically serious and even fatal attempt [30]. In our study 40% of adolescent suicide attempters had moderate intent, 32% had high intent, 26% had low intent and 2% had very high intent on Beck Suicide Intent Scale. (Table 2) Studies have shown that there is no significant correlation between intent to die and the lethality of the attempt particularly in adolescent population [31]. The risk assessment was done by Adolescent Suicide Assessment Protocol-20 (ASAP-20) [32]. In our study it is found that 8% had high risk and 4% had medium risk for future suicidal behavior and 88% had low risk. (Table 2)

The following psychosocial risk factors studied in adolescent suicide attempters will be discussed.

**Family Related:** Sixty per cent of the cases had family related factors, 20% had conflict with mother, 14% with father, 6% with siblings, 4% with in-laws, 16% of the cases had other family conflicts which were not specified. (Table 4) According to the Hawton et al, precipitating events which have led to a suicide attempt are most often the interpersonal problems between the adolescent and his parents and peers [33]. Maladaptive parenting and childhood maltreatment may be associated with a risk for severe interpersonal difficulties during adolescence. These interpersonal difficulties may play a pivotal role in the development of suicidal behavior [34]. In an Indian study done by Kumar et al, 63.5% of adolescents who had attempted suicide reported of interpersonal problems as the main precipitating factor for the attempt [14]. There is a consistent literature linking family discord with youth suicide and suicide attempts [35,36]. So it is clear that when adolescents have problems in their close relationships with family members, they may lose important sources of social support which may in turn increase the risk for suicidal behavior.

**School/College Related:** Twenty-six per cent of the cases had school/college related factors, 6% had change of school, 6% had exam failure, 2% had poor scholastic performance, and 12% had love failure as the cause for attempting suicide. (Table 4) Wilburn et al reported that students who have consistently exhibited a pattern of academic failure may simply engage in risk-taking behaviors that predispose them to suicidality [37]. Brent et al reported that the risk of attempted suicide increases among school dropouts or after a period of absence from school [38]. Poor or an overachieved academic performance can serve as a precursor to stress, subsequent depression, and suicidality in adolescents because academically successful students experience greater amounts of stress than do their less successful peers because more successful students feel more pressure to maintain their level of performance. This pressure may cause them to increase the lethality of their suicidal intent [37].

**Marital Related:** In our study 11 were married and 6 were having marital related stress, which accounts for about 55% in the married group and all of them were female subjects. (Table 4) Joseph Raj et al reported 67.5% of the suicide attempters to be unmarried. Among the reported causes of suicide attempt, married females attempted suicide because of adjustment problems with husband and mother-in-law, forced marriage, and financial restraints [39]. Arcel et al studied the suicide attempts among Greek and Danish women and their relationships with their husbands and reported dependence on emotional and financial aspects, and housing as the decisive reasons for the women to stay in unsatisfying marriage [40]. Badrinarayana noted that the most common causes for suicidal attempt were disruption of relationship with key figure, high degree of disharmony with spouse, quarrel with girlfriend, and rejection. Ill treatment or lack of care by their husbands or mother-in-law, disappointment in love was also reported [41].
Peer Related: Twelve per cent of the cases had peer related problems as a psychosocial factor associated with suicide attempts. (Table 4) A sense of burdensomeness resulting from feeling that one is a burden on close others, low connectedness with peers and absence of peer support, problems with peers, has been associated with both adolescent deaths by suicide and suicide attempts [42]. Several studies have found an association between attempted suicide and having a friend who has made a suicide attempt, although this could be accounted for assortative friendships rather than the exposure [43]. Lewinshon has found that a recent suicide attempt by a friend was a significant predictor of a future suicide attempt even after controlling for depression and psychosocial risk factor [44].

Work/Occupation Related: In our study, it was found that about 2% of adolescent suicide attempters had work/occupation related problems as a psychosocial factor associated with suicide attempts. (Table 4) As most of our study sample belonged to student category, we have not found work/occupation related problems.

Financial Related: Six per cent of the cases had financial related problems as a psychosocial factor associated with suicide attempts. (Table 5) In a case-control study by Srivastava et al, a significant association was found between recent stressful life events (at least one event in last 6 months) like financial problems in 17.5% cases most of the problems included were losses, loan and unemployment, and other problems [45]. Joseph Raj et al reported that causative factors for attempting suicide in their study, females had more of adjustment problems and males had financial problems as the reasons for attempting suicide [39].

Bereavement: Two per cent of the cases had bereavement as a psychosocial factor associated with suicide attempts. (Table 5) Several studies found that loss of a parent or divorce or living apart from one or both biological parents is a significant risk factor for attempted suicide among adolescents [46]. Lewinshon et al found an association between loss of a parent prior to age of 12 and multiple suicide attempts [44]. Prigerson et al reported that subjects with syndromal levels of traumatic grief were approximately five times more likely to report suicidal ideation than were subjects with non syndromal levels of traumatic grief [47].

Health Related: In our study group none of the subjects reported health related issue as a psychosocial stressor. There was one case who had past history of medical illness, but it has not acted as a stressor in that patient. There are studies where there is association between chronic illness and suicidal behavior [48,49]. As none of the subjects had chronic illness causing functional impairment, this could not have acted as stressor in our study group. May be further including more number of subjects and checking for suicidal ideation and suicidal behavior in adolescents suffering from chronic illness would help to get the health related stressor in future studies.

Legal Related: None of the subjects in our study group had any law related issue as a psychosocial factor for the suicidal attempt. There were two cases of Conduct Disorder, but they did not consider the law related factor as a stressor. Most of the studies are done in the west on juvenile delinquents and there is paucity of literature in Indian context [50,51]. May be the population selected was from general adolescent population, we were not able to find law related stressor in our study group.

Sexual Related: In our study, none of the subjects reported any significant sexual related factors as a risk factor for the index suicidal attempt. It was found that girls, who report high distress about sexual abuse, have a threefold increased risk of suicidal thoughts and plans, compared to non-abused girls. Boys who report current high distress about sexual abuse have 10-fold increased risk for suicidal plans and threats, and 15-fold increased risk for suicide attempts, compared to non-abused boys [52]. Gay and bisexual adolescents have been reported to exhibit high rates of depression and have been reported to have rates of suicidal ideation and attempts 3 times higher than other adolescents [53].

Cumulative Effect of Psychosocial Factors: In our study 38 (76%) subjects had only one psychosocial stressor associated with the suicidal attempt, and 10 (20 %) subjects had 2 or more psychosocial factors associated with the suicidal attempt. (Table 6) There were 6 male subjects and 4 female subjects in this group of 10 who had multiple psychosocial factors. Only one female was married whose marriage had taken place against her will. Six of them were students four belonged to the lower socioeconomic status. Six of our subject’s attempts were impulsive. In these cases, 8 of them had family related psychosocial factor (males had an argument with father and females with the mother)
and 2 had peer related psychosocial factor (love failure) as a precipitating factor for their impulsive suicidal attempt. The other psychosocial factor acting in these individuals was school or college related and peers related. The intentionality was high in 7 cases and lethality was high in 2 cases out of the 10 cases. All the cases had a psychiatric diagnosis. Five carried the diagnosis of Adjustment disorder and 2 had the diagnosis of Major Depressive Disorder and Conduct Disorder was present in 2 subjects and one subject was in Mania.

**Conclusion**

Suicide among adolescents is a serious and major issue. The increasing evidence of suicidal menace is creating a greater challenge for psychiatrists, social workers, public health personnel, sociologists and psychologists to identify the underlying factors. Understanding the psychosocial factors which promote suicidal tendencies and improvement in the mental health of the community is the urgent need of the hour.

**Limitations:** The current study is an observational cross sectional hospital based study with a small sample size and hence the results cannot be generalized.

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