A Silent Epidemic: Suicidality in the College Student Population

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Figure 5: Disposition

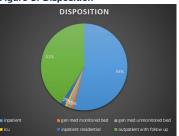


Figure 5: 59% of student visits were admitted to inpatient units. Range: 1-9 days, Mean: 3.3 days, Median: 3 days

Conclusions

- Prominent risk factors are hopelessness, insomnia, chronic medications, chronic pain, low self esteem, academic, financial, relationship and any other personal stressors.
- Chi squared analysis revealed an association between substance use Pearson chi2(8) = 16.3175 Pr = 0.038 and a weak one with antipsychoticss Pearson chi2(4) = 9.3322 Pr = 0.053 and types of suicide. Hopelessneess(Pearson chi2(4) = 11.6246 Pr = 0.020), Dysphoria (Pearson chi2(4) = 16.8980 Pr = 0.002), loneliness(Pearson chi2(4) = 9.6154 Pr = 0.04) and sexual orientation (Pearson chi2(4) = 12.3184 Pr = 0.015) were associated to types of suicide.
- Students presenting to the ED for psychiatric distress may benefit from towards further therapy and psychiatric care through numerous avenues across the university and surrounding community.

References

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Abstract

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Objectives

- To characterize the prevalence of suicidal ideation and suicide attempts amongst our college students who visited the emergency room between July 01, 2009 and June 30, 2015.
- To identify protective factors that may be reducing the risk in this population.
- To evaluate the correlates and epidemiological characteristics of these students and identify situational and contextual factors contributing to these visits.

Methods

- The University of Virginia (UVA) has established a database of student utilization of the Emergency Department (ED) that consists of a subset of UVA students who are seen in the ED.
- ED visits indicating different classes of psychiatric diagnoses, poisonings, and suicide attempts were identified through specific clinical diagnoses codes based on the International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM).
- The ED admission and psychiatry consult notes were reviewed by two physicians for clinical presentation characteristics, such as: psychiatric diagnoses, suicide attempts, outpatient psychotropic medications, current psychiatric treatment, substance use, suicide risk factors.
- Each ED admission was further reviewed for disposition, length of admission, contextual variables, and recommendations for follow up care or referral patterns.

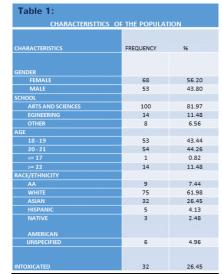


Table 1: presents the characteristics of the population. 127 student visits (16 per 1,000 visits) were identified as meeting criteria for SI/SA.

Figure 1: Diagnoses

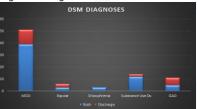


Figure 1: Substance abuse included: alcohol (26%), marijuana (6%), other (9%).

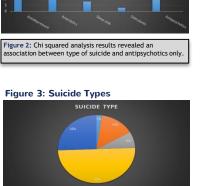


Figure 2: Pharmacotherapy Treatment

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Figure 4: Method

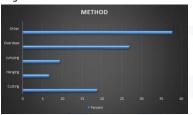
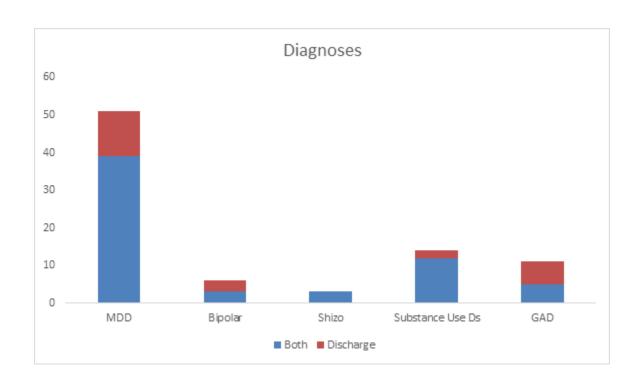
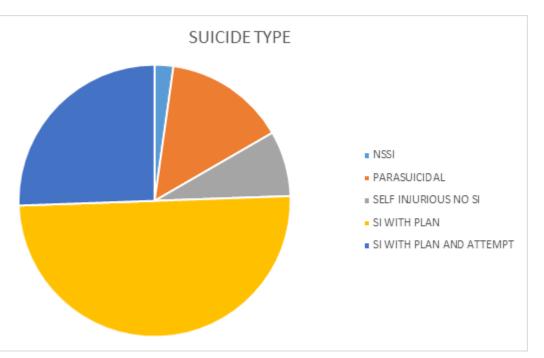
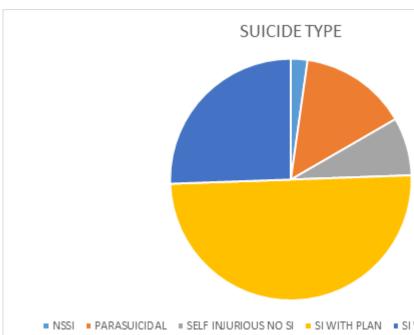


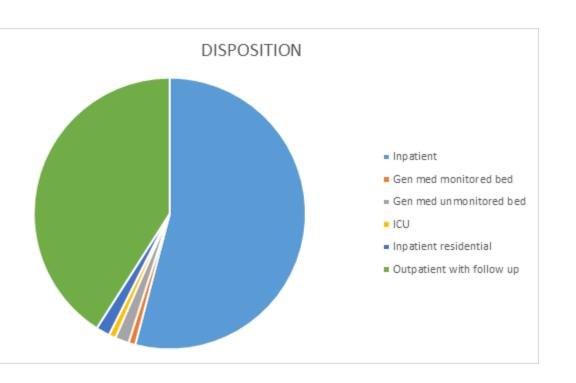
Figure 3: Types of presentations with suicidal concern.

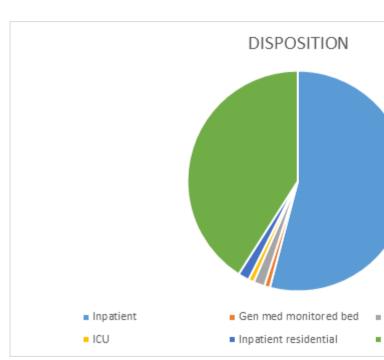
Figure 4: Methods of suicide attempts: Overdose 27%, cutting 18%, jumping 9%, hanging 7%, and other 38%.

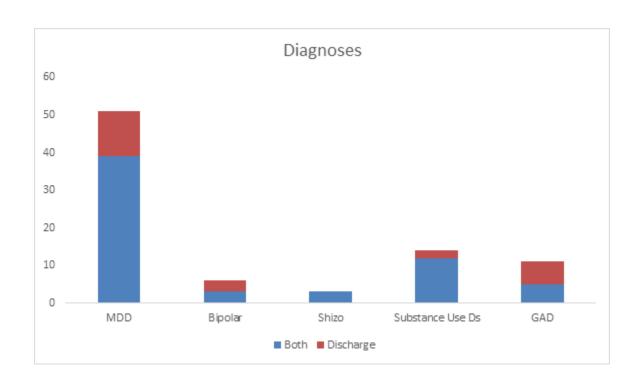












Suicide Crisis On campus: Suicide attempts and Ideation in the collegiate population evaluated in the emergency department.

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ABSTRACT

- The transition of young adults from high school to college has new found freedoms as well as exposure to significant stressors. Individuals are faced with academic, financial, relationship, and personal stressors, while having increased exposure to alcohol and substances (Arria et. al 2009). Therefore, this can be a period of time of self-exploration and growth, but also potentially fraught with setbacks, development of mental health disorders, and may even progress to suicidal ideation (SI) or suicide attempts (SA).
- The University of Virginia (UVA) has long been committed to improve mental health in the college student population and has established a database to better capture student utilization of the Emergency Department (ED). The Student Health Research Database consists of a subset of UVA students who are seen in the UVA Health System ED. We aimed to:
- 1. Determine the prevalence of suicidal ideation and suicide attempts amongst our college students who visited the emergency room between July 01, 2009 and June 30, 2015.
- 2. Evaluate the correlates and epidemiological characteristics of these students.
- 3. Identify situational/contextual factors contributing to these visits.

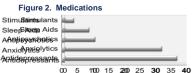
METHODS

- The data was collected from the Student Health Research database consists of a subset of University of Virginia (UVA) students who are seen in the University of Health System (UVA-HS) Emergency Department (ED). ED visits indicating a range of psychiatric diagnoses, including but not limited to, mood disorders, anxiety disorders, substance-induced mental disorders, personality disorders, poisonings, suicide and self-inflicted poisonings will be identified through specific clinical diagnoses codes based on (ICD-9-CM).
- The proportion of unique student ED visits due to suicidal ideation and suicide attempts determined the prevalence of suicidal ideation and suicide attempts for each academic year.
- Clinical presentation characteristics were determined by review of the ED admission notes and or the psychiatry consult notes for the presence or absence of these characteristics.
- ED admissions were further reviewed for disposition characteristics, contextual variables, and recommendations for follow up care or referral patterns.

RESULTS Table 1. Characteristics of Population Total Visits Total 100.0 100.0 100.0 2,028 Gender Male 3.971 48.7 55 43.3 193.1 3.916 0.220 Female 4,183 51.3 72 56.7 4,111 202.7 Race/Ethnicity White 5.656 69.4 79 62.2 275.0 0.078 5.577 African American 828 10.2 7.1 819 40.4 0.229 1.107 13.6 34 26.8 1.073 52.9 < 0.001 Other 1.188 14.6 14 11.0 1.174 57.9 0.254 School 5.993 Arts and Sciences 73.5 103 5.890 290.4 0.145 Engineering 1,312 16.1 15 11.8 1,297 64.0 850 10.4 7.1 841 41.5 Other Age (Years) <=17 72 0.9 0.0 72 3.6 18-19 3,512 43.1 55 43.3 3,457 170.5 0.753 20-21 3.666 45.0 57 44 9 3.609 178.0 >=22 905 11.1 890 43.9

- Table 1 (above) presents the characteristics of the population. 127 student visits (16 per 1,000 visits) were identified as meeting criteria for SI/SA.
- Figure 1 (below) presents frequencies of select psychiatric



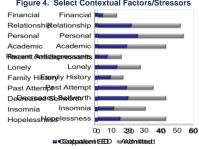


- Key medications prior to the ED visit are presented in Figure 1.
- · Substance abuse included: alcohol (26%), marijuana (6%), other (9%).









- Select stressors identified are presented in Figure 4. · Among those with SA, common
- methods included overdoses(21%), cutting (9%), and hanging (5%). 41% of records indicated
- therapy and/or psychiatric care at the student health center

CONCLUSIONS

- · Preliminary results show that there was no difference between men and women; however patients who were Asians, had an MDD diagnosis or were on antipsychotics, had a higher likelihood of presenting to the ED with SI.
- · Prominent risk factors are hopelessness, insomnia, chronic medications, chronic pain, low self esteem, academic, financial, relationship and any other personal stressors.
- Students presenting to the ED for psychiatric distress may benefit from towards further therapy and psychiatric care through numerous avenues across the university and surrounding community.

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Introductio	Results			
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Objective Human beings face several transitional phases during the Life cycle. Genetics and environmental stressors significantly impact an individual's predignostins to developing mental health disorders during in bear branching reported. The transition between like sevenage person and early made and the control of th		Figure 4 _ Title Text		
The University of Virginia has long been committed to improve mental health in the college student population and has established a database to better capture student utilization of the Emergency Department (ED). The Student Health Research database consists of a subset of University of Virginia (UVA) students who are seen in the University of Health System (UVA-HS) Emergency Department (ED). ED visits indicating	Figure 2 – Title Text			
different classes of psychiatric diagnoses including but not limited to mood disorders, primary thought disorders, anxiety disorders, substance-induced mental disorders, personality disorders, poisonings, suicide and self-inflicted poisonings will be identified through specific clinical diagnoses codes based on the International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM). The proportion of unique student ED visits due to suicidal ideation and suicide attempts will determine the prevalence of suicidal ideation and suicide attempts will determine the prevalence of suicidal ideation and suicide attempts for each academic year. Clinical presentation characteristics, such as: psychiatric diagnoses, suicide attempts, outpatient psychotropic medications, current psychiatric treatment, substance use, suicide risk factors will be determined by review of the ED admission notes and or the psychiatry consult notes for the presence or absence of these characteristics. This will inform us on the impact of the suicidal ideation and suicide attempts on the clinical presentation and treatment during their ED admission. Each ED admission vas further reviewed for disposition from the ED, length of admission, disposition following the admission, contextual variables, and recommendations for follow up care or referral patterns. The Student Health Center MediCat database will be reviewed to determine the proportion of students with an ED visit who then sought care at the Student Health Center within 30 days of their ED visit.	Figure 3 – Title Text	Figure 5 – Title Text Conclusion •Prominent risk factors are hopelessness, insomnia, chronic medications, chronic pain, low self esteem, academic, financial, relationship and any other personal stressors. •Students presenting to the ED for psychiatric distress may benefit from towards further		