

Background

- > We established a data repository of University of Virginia (UVA) students who were seen in the Emergency Department (ED) at the UVA Health System.
- \succ The primary objective of this study was to characterize the prevalence of substance and alcohol misuse among college students attending the university who visited the ED between 01 JUL 2009 and 30 JUN 2014.
- objectives were to > The secondary measure the impact of the substance and alcohol use on their clinical Or presentation to the emergency room, and to evaluate the referral process used to help the students with their substance or alcohol use disorder.

Methods

- \succ ED admissions during the study time frame were queried for all unique admissions (i.e. one admission per student per day) and identified as a substance abuse (alcohol, pharmaceutical drugs, or illicit substances) admission through diagnostic coding.
- > Clinical presentation characteristics (such withdrawal, intoxication, clinical as delirium, depression, anxiety, mania, psychosis, suicidal or homicidal ideation) characterized tabulated and were through ED admission notes.
- > Differences in demographics between those with substance abuse admissions and those who did not were evaluated via chi-squared analyses.
- \succ The range of substances identified through self-reports, management and follow up recommendations were tabulated.

University of Virginia School of Medicine, Charlottesville, VA



similar practices in other institutions.

> A large proportion was lost to follow up and those students may be at an increased risk of substance-related complications. > By monitoring the university population for alcohol and substance related admissions to the ED, we can evaluate the prevalence or burden within our student body, identify the populations at greatest risk, and establish educational interventions and appropriate counseling regarding substance abuse.



Conclusions

> The most common clinical presentation was alcohol intoxication but objective measures to confirm alcohol or drug intoxication such breath alcohol concentration or urine drug tests were not commonly used in our ED which corroborate