**Cannabis Use and its Effects on Measures of Mental Health**

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Marijuana is one of the most widely used illicit substance worldwide. Its potential medicinal use has garnered much attention in the scientific community, and studies of both its negative and positive aspects have been steadily increasing in the past decade years. Using a sample population of veterans in Santa Cruz, California, this study observes the effects of cannabis use with regard to three measures of mental health that address dependency, depression, anxiety and post-traumatic stress disorder. Using Welch’s t-test, Mann-Whitney U test, and randomization, the null hypothesis, which states that there is no difference in mean between two groups categorized by frequency and amount of cannabis use, was tested. The results showed statistical significance only with the measure that evaluates depression and anxiety, favoring the alternative hypothesis that asserted an improved mental state with greater use. These results however, must be interpreted with caution, as a multitude of limitation, both within the data and the testing methods, exist. A more carefully controlled study, as well as more powerful testing methods, would be required to obtain even more accurate and meaningful results.