

OFFICIAL ABSTRACT and CERTIFICATION

Adolescent Education and Awareness about Prescription Opioids

Melissa Ramkissoo

Valley Stream Central High School, Valley Stream NY, United States

Between 1990 and 2017, over 400,000 people have died from an opioid overdose (Overview of the Drug Overdose Epidemic, 2018). 1 in 4 adolescents in the US have misused a prescription opioid at least once in their lifetime. Due to the large percentage of adolescents misusing opioids, research have focused to this generation. It has been determined that student education may be lacking leading to this high percentage of misuse. To test if student education needs to be updated, a quiz was developed and distributed to students at my high school. Before the quiz was distributed, assent forms were given to each participant. The questions in the quiz were separated into two categories: educated and aware. After the quiz was distributed, a survey was given to the health teachers to obtain an awareness about what is being taught about opioids in health classes and it was found that students are being taught both aware and educated topics. A T-test was conducted to determine if the mean values of the aware and educated scores were statistically different. The results of the T- test support that the difference between awareness scores to the educated scores are statistically different $t(90) = 6.27, p < .001$. Students have attained a higher awareness score about opioids, therefore, remembering most of the awareness topics from their health class. An evaluation of the health curriculum will not be necessary as students are being thought the appropriate amount of information on opioids.

Category
Pick one only—
mark an "X" in box
at right

- | | |
|----------------------------------------|-------------------------------------|
| Animal Sciences | <input type="checkbox"/> |
| Behavioral & Social Sciences | <input checked="" type="checkbox"/> |
| Biochemistry | <input type="checkbox"/> |
| Biomedical & Health Sciences | <input type="checkbox"/> |
| Biomedical Engineering | <input type="checkbox"/> |
| Cellular & Molecular Biology | <input type="checkbox"/> |
| Chemistry | <input type="checkbox"/> |
| Computational Biology & Bioinformatics | <input type="checkbox"/> |
| Earth & Environmental Sciences | <input type="checkbox"/> |
| Embedded Systems | <input type="checkbox"/> |
| Energy: Chemical | <input type="checkbox"/> |
| Energy: Physical | <input type="checkbox"/> |
| Engineering Mechanics | <input type="checkbox"/> |
| Environmental Engineering | <input type="checkbox"/> |
| Materials Science | <input type="checkbox"/> |
| Mathematics | <input type="checkbox"/> |
| Microbiology | <input type="checkbox"/> |
| Physics & Astronomy | <input type="checkbox"/> |
| Plant Sciences | <input type="checkbox"/> |
| Robotics & Intelligent Machines | <input type="checkbox"/> |
| Systems Software | <input type="checkbox"/> |
| Translational Medical Sciences | <input type="checkbox"/> |

- As a part of this research project, the student directly handled, manipulated, or interacted with (check ALL that apply):

<input checked="" type="checkbox"/> human participants	<input type="checkbox"/> potentially hazardous biological agents
<input type="checkbox"/> vertebrate animals	<input type="checkbox"/> microorganisms <input type="checkbox"/> rDNA <input type="checkbox"/> tissue
- I/we worked or used equipment in a regulated research institution or industrial setting: ☐ Yes ☒ No
- This project is a continuation of previous research. ☐ Yes ☒ No
- My display board includes non-published photographs/visual depictions of humans (other than myself): ☐ Yes ☒ No
- This abstract describes only procedures performed by me/us, reflects my/our own independent research, and represents one year's work only: ☒ Yes ☐ No
- I/we hereby certify that the abstract and responses to the above statements are correct and properly reflect my/our own work. ☒ Yes ☐ No

This stamp or embossed seal attests that this project is in compliance with all federal and state laws and regulations and that all appropriate reviews and approvals have been obtained including the final clearance by the Scientific Review Committee.

