

# CWSF 2012 - Charlottetown, Prince Edward Island



## Alexander Rey

### More than Just Brushing

**Challenge:** Health

**Category:** Senior

**Region:** Bay Area

**City:** Brantford, ON

**School:** Brantford Collegiate Institute & Vocational School

**Abstract:** This research project examines the relationship between socioeconomic factors and oral health in Brant, Ontario. A semi-ecological analysis was performed using correlation, ANOVA, and Tukey post-hoc tests. Overall, there was a significant correlation between high-risk socioeconomic factors and low oral health scores, a result consistent with existing literature. In particular, housing and family composition factors exhibited a major impact on decay rates.

### Biography

My name is Alexander Rey and I am currently a fifth-year student at Brantford Collegiate Institute in Brantford, Ontario. At my school, I have been involved in a wide range of activities, ranging from debating (where I competed at the Ontario Provincial Finals) to athletics (including the badminton and cross-country teams). I currently am the treasurer of our Student Council. Outside of school, I sit on the local youth advisory committee for the public health unit and enjoy playing the piano. My project started while completing a four-month internship at my local health unit, and discovering a significant data set that had yet to be entered. After entering the data, and consulting with the epidemiologist, I started looking at all the possible ways the data could be analyzed, and from there my project took off. From this point on, I hope to work with the health unit to apply some of my findings to their programming. I would encourage students starting out to connect with a government agency that oversees an area of interest, as they can be excellent sources. In the future, I am hoping to attend university for engineering physics, possibly obtaining a masters of epidemiology beyond that.

### Awards

### Value

The Actuarial Foundation of Canada Award - Senior	\$1 000
Excellence Award - Senior - Bronze Medal	\$300
Sponsor: Nuclear Waste Management Organization	
University of Ottawa Entrance Scholarship	\$1 000
Senior Bronze Medallist - \$1000 Entrance Scholarship	
Sponsor: University of Ottawa	
Western University Scholarship	\$1 000
Bronze Medallist - \$1000 Entrance Scholarship	
Sponsor: Western University	
Total	\$3 300