

UTC Project Information	
Project Title	Using Health Behavior Theory and Relative Risk Information to Increase and Inform Use of Alternative Transportation
University	VTTI and TTI
Principal Investigator	Laurel Glenn
PI Contact Information	LGlenn@vtti.vt.edu
Funding Source(s) and Amounts Provided (by each agency or organization)	Safe-D (Federal): \$246,472 State and TTI institutional Funds (Non-Federal): \$133,637 The Virginia Tech Population Health Sciences Department research budget and the Virginia Tech Alternative Transportation Office (Non-Federal): \$113,665
Total Project Cost	\$493,774
Agency ID or Contract Number	Grant No: 69A3551747115 Project: 05-008
Start and End Dates	Start: 10/2020 End: 04/2022
Brief Description of Research Project	With COVID-19 impacting carpools and the bus system due to limited capacity and possible fear of public transportation, and fear of injury related to alternative transportation methods, the rate of Single Occupancy Vehicles (SOV) usage to and around the VT campus may increase. This project develops an intervention and education program to encourage alternative transportation to, from and around campus to reduce traffic on campus while still respecting COVID-19 precautionary measures. In addition, since there is currently no standardized approach for computing the injury rates for non-vehicle roadway users, this project also refines and assesses a methodology for estimating injury rates for pedestrians and bicyclists which will be used to inform the developed intervention. This information will also aid in the development of an educational alternative transportation safety course.
Describe Implementation of Research Outcomes (or why not implemented) Place Any Photos Here	Researchers will submit a final report at the conclusion of this project. In addition, this research will produce an online educational module regarding safe use of alternative transportation, an education module for Public Health courses at Virginia Tech, a webinar with interested offices on the developed intervention and a webinar with safety stakeholders on the developed approach for calculating relative injury risk. Graduate students and Undergraduate students will be gaining experience in

	<p>research and one capstone project will be produced for a Master's degree. Researchers will also seek to publish an article on the developed intervention and attend conferences addressing results from this research.</p>
<p>Impacts/Benefits of Implementation (actual, not anticipated)</p>	<p>This project will provide the Virginia Tech community with an educational resource and action plan to increase safe alternative transportation around the campus and throughout the community. These results can further benefit other Universities similar to Virginia Tech. The webinars the researchers will conduct will further the reach of these results to share the information and aid with other offices looking to increase safe alternative transportation use in their area.</p>
<p>Web Links</p> <ul style="list-style-type: none"> • Reports • Project website 	<p>https://safed.vtti.vt.edu/projects/using-health-behavior-theory-and-relative-risk-information-to-increase-and-inform-use-of-alternative-transportation-2/</p>