

Grant Deliverables and Reporting Requirements for UTC Grants

UTC Project Information	
Project Title	Measuring the Impact of the Large-scale Adoption of Ridesharing on the Spread of Infectious Diseases
University	University of South Florida
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Funding Source(s) and Amounts Provided (by each agency or organization)	USDOT: \$70,000 University of South Florida: \$35,000
Total Project Cost	\$105,000
Agency ID or Contract Number	Sponsor Source: Federal Government CFDA #: 20.701 Agreement ID: 69A3551747119
Start and End Dates	Start date: 10/01/2019 End date: 09/30/2020
Brief Description of Research Project	The objective of this project is to measure the impact of the large-scale adoption of ridesharing on the spread of infectious diseases by building an agent-based simulation model. We will focus on two cases of diseases: influenza and measles. Influenza is a common virus infection, while measles is a rare but deadly virus infection, especially for small children. Our agent-based simulation model will capture the patterns of ridesharing and various probabilistic spread of infectious diseases within ridesharing networks as well as within social and residential communities. In our research, we will compare the disease spread patterns with low to high ridesharing usages.
Describe Implementation of Research Outcomes (or why not implemented)	
Place Any Photos Here	

Impacts/Benefits of Implementation (actual, not anticipated)	
Web Links <ul style="list-style-type: none">• Reports• Project website	http://ctech.cce.cornell.edu/final-project-reports/