


Grant Deliverables and Reporting Requirements for UTC Grants

UTC Project Information	
Project Title	Examining Individual Health and Healthcare Utilization Patterns at the Intersection of Transportation, Environment, and Communities
University	Cornell University
Principal Investigator	Yiye Zhang
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Funding Source(s) and Amounts Provided (by each agency or organization)	Federal: \$101,700 Non-Federal: \$50,850
Total Project Cost	\$152,550
Agency ID or Contract Number	Sponsor Source: Federal Government CFDA #: 20.701 Agreement ID: 69A3551747119
Start and End Dates	Start date: 1/1/2018 End date: 12/31/2018
Brief Description of Research Project	A knowledge gap exists in our understanding of the association between individual health, healthcare, transportation, and the environment at a granular level. We aim to curate a longitudinal dataset that contains history of individual demographics, health conditions, healthcare utilizations, and community dwellings. Geo-coding residence information to communities in New York City, we will match individuals with community-level information on travel behavior, active transportation, and built environment. We will analyze detailed patterns of health and healthcare utilization by varying travel behaviors, active transportation, and built environment. Findings from this study may provide strategies to promote better health and healthcare for community planners and healthcare organizations.
Describe Implementation of Research Outcomes (or why not implemented) Place Any Photos Here	Our research outcome is the increased understanding and awareness of the associations between health and the built environment. Implementation of this outcome has been through dissemination of our study findings to stakeholders at Weill Cornell Medicine (WCM) and NewYork-Presbyterian Hospital, as well as at international and local conferences including the Health Informatics Research Seminar at WCM, CTECH annual

	<p>meeting, Biomedical Big Data Symposium at New York City College of Technology, American Medical Informatics Association Annual Symposium, and INFORMS Healthcare. In addition, details of the findings will be submitted as journal articles to <i>Environmental Health Perspective</i> and <i>JAMA Open</i>.</p>
<p>Impacts/Benefits of Implementation (actual, not anticipated)</p>	<p>The impact of implementation is increased understanding and interest on this issue, leading to active discussions at WCM and plans for grant submissions for larger follow-up studies.</p>
<p>Web Links: </p> <ul style="list-style-type: none"> • Reports • Project website 	<p>http://ctech.cee.cornell.edu/final-project-reports/</p>