



UTC Project Information – Center for Transportation, Environment, and Community Health	
<i>Project Title</i>	Assessing the health impact of proposed congestion pricing plan for downtown San Francisco
<i>University</i>	University of California, Davis
<i>Principal Investigator</i>	Michael Zhang
<i>PI Contact Information</i>	hmzhang@ucdavis.edu/530-754-9203
<i>Funding Sources and Amount Provided (by each agency or organization)</i>	USDOT: \$56,257 UCD: \$28,129
<i>Total Project Cost</i>	\$84,386
<i>Agency ID or Contract Number</i>	Sponsor Source: Federal Government CFDA #: 20.701 Agreement ID: 69A3551747119
<i>Start and End Dates</i>	04/01/2021 – 03/31/2022
<i>Brief Description of Research Project</i>	In an effort to reduce worsening traffic congestion in downtown San Francisco, the San Francisco County Transportation Authority (SFCTA) is considering congestion charging in the downtown area, as was done in the City of London. Our research examined how different pricing alternatives considered by SFCTA impacted the health of residents in different communities in the county, paying particular attention to disadvantaged communities. The research leveraged the data obtained from an on-going ITS-Davis research project that is studying the non-health related impact of congestion pricing for the city of San Francisco, where detailed travel data were produced by the city’s transportation modeling team. It also made use of the health assessment procedure developed in a previous CTECH project. We believe that our work adds a health dimension to the assessment of congestion pricing and sheds light on how different communities are impacted by this traffic management tool.
<i>Describe Implementation of Research Outcomes (or why not implemented)</i>	This research shed light on how the proposed congestion pricing scenarios in downtown San Francisco would affect the public health of its residents.
<i>Place Any Photos Here</i>	

<i>Impacts/Benefits of Implementation (actual, not anticipated)</i>	This research showed that the eight proposed congestion pricing schemes all would bring health benefits to the San Francisco area residents. These schemes reduce the vehicle miles traveled, help improve air quality and maintain the level of physical activity, thus result in improvement on the three health aspects: physical activity, particle matter, and road traffic injuries.
<i>Web Links</i> <ul style="list-style-type: none">• <i>Reports</i>• <i>Project website</i>	http://ctech.cee.cornell.edu/final-project-reports