BTSCR-10: E-scooter Safety: Issues and Solutions

Project Overview
January 6, 2021
Project Team

**University of North Carolina-Chapel Hill**
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- Katie Harmon, HSRC, co-investigator (Co-I)
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- Alyson West, HSRC, Co-I
- Tab Combs, DCRP, Planning/built environment SME

**University of Tennessee-Knoxville**
- Chris Cherry, Co-I and SME

**Populus**
- Regina Clewlow, micromobility data SME
- Stephanie Seki, micromobility policy/policy SME

**Independent Consultants**
- Charles T. Brown, Equitable Cities, Quality assurance reviewer and SME
- Rebecca Sanders, Safe Streets Research and Consulting, Co-I and SME
Project Aims

1. Describe the overall state of use/exposure and safety trends among e-scooter users and markets
2. Characterize the relationship between e-scooter crashes, injuries, and fatalities and contributing factors (both behavioral and environmental)
3. Summarize how cities are working to support, manage, and/or regulate the use of e-scooters to prevent and mitigate injuries and provide a series of case studies highlighting real world practices
4. Provide evidence-based strategies and supporting tools for e-scooter safety actions that can be integrated into state and local highway safety plans, policies, programs, and projects
Critical Areas of Inquiry

• Injury data collection and standardization
• E-scooter user prior experiences and training
• Travel speed and perceptions of safety
• Roadway environment, expectations, and facility use
• Impairment trends and contexts
• Vehicle and app design influence on behaviors
• System- or network-level effects of e-scooter sharing systems
Project Overview: Phase I

Task 1: Project Kick off and Work Plan

Task 2: Refine Understanding of E-Scooter Injuries and Gaps in Knowledge and Data

Project Overview: Phase II

Task 4
Conduct New Research to Address Gaps in Knowledge and Data Regarding E-Scooter Safety

Task 5
Develop and Refine Guidance for E-scooter Safety Management Practices

Task 6
Finalize Deliverables and Supplemental Materials
For inquiries, please contact project PI:

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