



Making Roads Safer

University of Westminster *Reducing cycling injuries*

Road Safety Trust
Funding Showcase

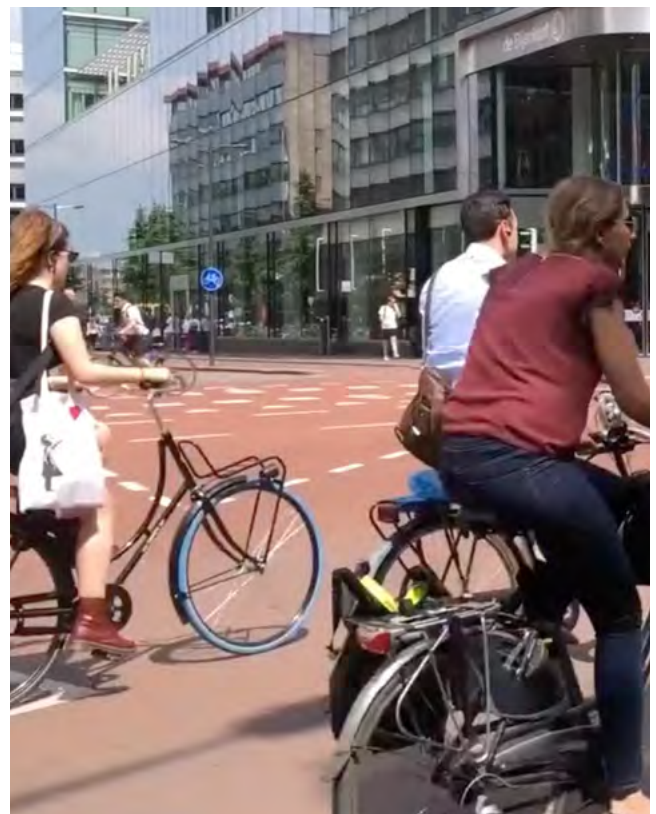


The Road Safety Trust awarded a grant of £128k to the University of Westminster in 2019 to research the environmental factors associated with cycling injury risk.

By separating the impact of risk from the amount of cycling, the research helps plan infrastructure that can increase the level of cycling while ensuring cyclists' safety.

In 2017 between 5am and 9:59am on weekdays, **4,303 cyclists were injured** across Great Britain. The University of Westminster's research project aimed to give a clearer picture of the environmental factors facing cyclists by comparing the characteristics of injury sites with existing data on 'matched' control sites, the results of which can then be used to **improve road safety for cyclists.**

Case crossover methodology was used to model current cycle routes throughout the UK and identify where cyclists might get injured if everywhere was equally risky and then compared with injury data. As the injury data did not include the actual routes, predictions were made using injury points, home locations, and an algorithm. This algorithm estimates the likely routes followed by commuters in the weekday morning peak time.



The findings demonstrate that improvements to infrastructure and road conditions are needed to improve cycle safety throughout the UK.

- Policy recommendations for cycle infrastructure from the evidence-based study include:
- Mini roundabouts, like conventional roundabouts may increase risk to cyclists.
- High Streets are riskier for people cycling
- Shared bus lanes should not be considered as safe cycle infrastructure
- Sites with painted (usually advisory) cycle lanes are riskier for people cycling than sites without.

Further information and 12 short topic focused films are [available here](#).



The Road Safety Trust is dedicated to making the UK's roads the safest in the world. As an independent grant-giving charity, The Road Safety Trust funds vital research and practical interventions committed to reducing the number of people killed or injured on our roads.





Making Roads Safer

The Road Safety Trust

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