

Men pose more risk to other road users than women: study

April 6 2020



Credit: CC0 Public Domain

Men pose more risk to other road users than women do and they are more likely to drive more dangerous vehicles, reveals the first study of its kind, published online in the journal *Injury Prevention*.

The findings prompt the researchers to suggest that greater [gender](#) equity in [road](#) transport jobs, overall, might help lessen these risks.

Road safety analysis has traditionally focused on an individual's injury risk from their own use of a particular type of transport rather than the risk that might be posed to others.

To try and plug this knowledge gap, the researchers drew on four sets of official data for England for the period 2005-15: police injury statistics (Stats19); Road Traffic Statistics; National Travel Survey data; and Office for National Statistics population/gender figures.

They used the data to analyse the risks posed to other [road users](#) from bicycles, cars and taxis, vans, buses, lorries and motorbikes per billion vehicle kilometres travelled, and categorised by road type—major and minor roads in urban and [rural areas](#)—and gender.

In terms of absolute numbers, cars and taxis were associated with most (two-thirds) of fatalities to other road users. But a comparison of fatalities per distance travelled shows that other vehicles might be even more dangerous.

Lorries were associated with one in six deaths to other road users: each km driven was associated with more than five times the number of such deaths than each km driven in a car. There was a similarly high [death](#) toll for buses per km driven.

Despite their small size, motorbikes also put other road users at high risk. Each km driven was associated with around 2.5 times more deaths to other parties than was each km driven in a car.

In [urban areas](#), most of those deaths—173 over the entire study period—were pedestrians. Policy-makers should ensure that measures to

discourage car use don't inadvertently encourage a shift to motorbike transport, suggest the researchers.

At the other end of the scale, cycling seems relatively safe for others: it was associated with fewer deaths to other parties per km ridden than all the other types of transport, with just one other death per billion km cycled.

Analysis of the data by gender showed that men posed a significantly higher risk to other road users for five of the six vehicle types studied.

For cars and vans, the risk posed by male drivers was double that posed by women per km driven, rising to four times higher for lorry drivers, and more than 10 times higher for motorbike riders.

In a linked podcast, lead researcher Dr. Rachel Aldred, points out that driving jobs tend to be male dominated, citing the high death toll to other road users associated with lorries, 95% of which are driven by men.

While lorries in general are dangerous vehicles, male lorry drivers pose a particularly high risk compared to female lorry drivers, she adds.

"Greater gender equity would have a positive impact on these injuries," she suggests, adding that: "Policy-makers should be looking to measure the risk posed to others, and how to reduce it."

The researchers conclude: "We suggest [policy-makers](#) consider policies to increase gender balance in occupations that substantially involve driving, given the greater likelihood that other road users will be killed if men rather than women are driving or riding."

More information: How does mode of travel affect risks posed to

other road users? An analysis of English road fatality data, incorporating gender and road type, *Injury Prevention* (2020). DOI: [10.1136/injuryprev-2019-043534](https://doi.org/10.1136/injuryprev-2019-043534)

Provided by British Medical Journal

Citation: Men pose more risk to other road users than women: study (2020, April 6) retrieved 4 February 2023 from <https://medicalxpress.com/news/2020-04-men-pose-road-users-women.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.