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Research on preventing road traffic injuries in developing countries is needed

Various international aid agencies are investing in road infrastructure development. These initiatives could be coupled with the need to develop concrete epidemiological data. Innovative strategies, such as step wedge study design, could lead to the evolution of an evidence based public health approach to this problem.

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Alcohol limit for drink driving should be much lower

Editor—For more than a century alcohol has been recognised as one of the principal risk factors for motor vehicle crashes.1 Nearly half of the roughly 35 000 fatal motor vehicle crashes in the United States each year are alcohol related, meaning that someone in the crash, usually a driver, is intoxicated.

Currently, a blood alcohol concentration ranging from 0.08 to 0.10 mg per 100 ml constitutes prima facie evidence in most countries for driving under the influence of alcohol. In the United Kingdom, United States, Canada, South Africa, and Sri Lanka the legal limit is 0.08 mg per 100 ml, which is too high as driving skills deteriorate and the risk of becoming involved in a crash risk increases from a concentration of 0.02 mg per 100 ml. In their comprehensive review Zador et al estimated that a driver’s risk of being in a fatal crash increased significantly from 0.02 mg per 100 ml. Scientific data provide clear evidence that important driving skills are impaired at very low blood alcohol concentrations.

Because the legal blood alcohol concentration in most countries is so high, people often mistakenly believe that they may drive up to a blood alcohol concentration of 0.8 mg per 100 ml, overlooking the fact that driving is impaired at lower concentrations. To set a blood alcohol limit so high that a 72 kg man can drink four bottles of beer and still be under the legal limit has consequences. It may adversely influence people’s estimates of their relative risk of injury or death while driving. Drinking and driving policies and decisions about enforcement need to be hinged on the scientific evidence.

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Lithium and motor vehicle crashes

Perhaps bipolar disorder is the risk, not its treatment

Editor—Emminan et al found that elderly people taking lithium had approximately double the rate of motor vehicle crashes compared with controls.1 They imply that lithium is responsible and say that patients must be told of the increased risk. However, both the inference and the advice are unwarranted and unhelpful since lithium is simply a proxy for having bipolar disorder.

As no information is given about the relative risk of having a crash in the presence of bipolar disorder, it cannot be justified to warn patients against taking lithium if they have this condition. It is quite possible—indeed clinical judgment would suggest—that a patient with bipolar disorder may be a much safer driver when taking a mood stabilising agent than when he or she is not.

The authors include a comparison with carbamazepine, presumably to show that the increased risk is restricted to lithium. This

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