Reviewer's report

Title: Severity of injuries in different modes of transport, expressed with disability-adjusted life years (DALYs)

Version: 1 Date: 23 May 2014

Reviewer: Koen Putman

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The authors aim to estimate the average years lived with disability due to sustained traffic injuries. The authors could rely on a large Swedish dataset (STRADA) containing information on transport mode and type of injury. Because of the level of detail available, age and roadway user specific averages could be calculated.

My major concern is the deterministic linkage between AIS score and injury category. Some sensitivity analyses would be an asset. At least, this should be addressed in the discussion.

Other points to be addressed

The term 'YLD loss' is used. This is confusion to me. YLD refers to the years lived with disability. Consequently, YLD loss would mean an improvement (less years with disability). However, this is not the interpretation in the paper.

In the graphs, the age is categorized in 5y increments. The numbers of persons injured is not known for these categories. It would improve readability if numbers are provided for each category.

In my copy, figure 1 and 2 were identical.