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Research Result Summaries

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### Personality and Driving Behaviour: Phase 2 - Driving Simulation

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The present study assessed driver characteristics, personality self-report measures, and driving performance measures associated with aggressive driving among 55 drivers' behaviours in 9 driving events using a driving simulator and survey responses. The results of structural equation models showed that driving performance parameters associated with aggressive driving differed for different driving events, but that there were some associations between demographic and personality characteristics and aggressive driving behaviour. The effect of driver's gender on aggressive driving behaviours varied among different driving events. Male drivers showed more aggressive driving behaviours than female drivers in most events, but female drivers showed more aggressive driving behaviours than male drivers in an event that induced red-light running. Participants with longer driving experience and drivers who had been involved in a higher number of accidents generally showed more aggressive driving. In addition, propensity for angry driving, higher trait anger, and poor impulse-control were associated with aggressive driving behaviours. Findings from this study may be used to inform driver training and road safety policies.