

PARTNERSHIP PROGRAM

# GET AROUND VEHICLE ROLLOVERS

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**The Issue:**

**47%** In Victoria, from 2003-2007, 10% of all truck crashes were rollovers, with 47% of these occurring on a bend.

**60%** The National Transport Institute (NTI) indicated that from 2003-2007 in Australia: 60% of rollovers involved semi-trailers.

**>** Dry loads were involved in the greatest number of rollovers.

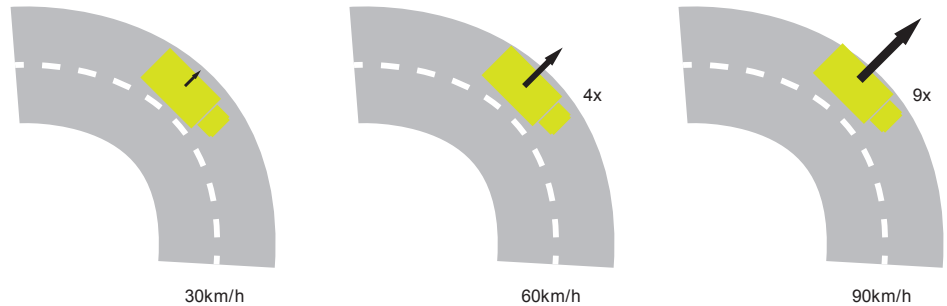
**41%** 41% of rollovers involved inappropriate speed.

**30%** 30% of rollovers involved fatigue.

Sources: <http://casr.adelaide.edu.au/rsr/RSR2009/RS094085.pdf>

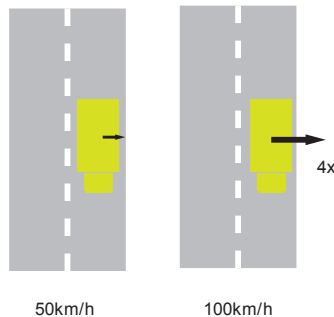
**Speed and vehicle rollovers:**

Too much speed brings higher rollover force



Going too fast when changing direction at corners, curves, and on and off ramps:  
2x the speed = 4x time the cornering forces

**Other causes of rollovers:**



Also applies driving in a straight line, so at 100km/h, any little correction would have a rollover force at four times what the same move is at 50km/h



Worn-out or faulty brakes



Driver distraction and fatigue



Loads shifting during cornering



**Type of Vehicle**

A corner may be signposted at 90kmph or cars, but in reality 60kmph is the safer speed for trucks.

**How to minimise your risk:**

**ESC** Electronic Braking And Stability Control System has been shown to drastically decrease the likelihood of rollovers, as illustrated by the NRSPP Case Study: VicRoads — Electronic Braking And Stability Control System Eliminates Rollovers



Slow down when turning at intersections at intersections with speed – if you're trying to beat the traffic light and can't slow down enough to make the turn safely, then don't try and beat it