30km/h Speed Limit Trial

Anna Purvis, Yarra City Council
Smart Urban Futures Conference
22 March 2018
How long it takes to stop (driving an average family car)

<table>
<thead>
<tr>
<th>Speed (km/h)</th>
<th>Reaction distance (metres)</th>
<th>Braking distance dry road (metres)</th>
<th>Braking distance wet road (metres)</th>
<th>Stopping distance (metres)</th>
</tr>
</thead>
<tbody>
<tr>
<td>40</td>
<td>17+ 9</td>
<td>26 m</td>
<td>30 m</td>
<td>56 m</td>
</tr>
<tr>
<td>50</td>
<td>21+ 14</td>
<td>35 m</td>
<td>41 m</td>
<td>76 m</td>
</tr>
<tr>
<td>60</td>
<td>25+ 20</td>
<td>45 m</td>
<td>54 m</td>
<td>99 m</td>
</tr>
<tr>
<td>70</td>
<td>29+ 27</td>
<td>56 m</td>
<td>69 m</td>
<td>125 m</td>
</tr>
<tr>
<td>80</td>
<td>33+ 36</td>
<td>69 m</td>
<td>85 m</td>
<td>150 m</td>
</tr>
</tbody>
</table>

DEATH DUE TO SPEED

According to the U.S. Department of Transportation, literature reviewed on vehicle travel speeds and pedestrian injuries, March 2000, the likelihood of death or severe injury increases with speed.

- 10% likelihood of death or severe injury at 20 mph
- 40% likelihood of death or severe injury at 30 mph
- 80% likelihood of death or severe injury at 40 mph

Sources:
Safe System approach

...People will make mistakes but no one should die because of them...

Toward Zero – Victoria’s Road Safety Strategy and Action Plan
20’s Plenty for Us
...making your place a better place to be
Evaluation

Review the monitoring data? Why bother? We're going fine.

PROJECT

REMEMBER M&EE INFORMATION IS USEFUL ONLY IF IT IS USED!
Data collection
Monitoring and feedback

Introduce intervention (new or adjusted)

Evaluate

Measure
Controls

- **Independent variable**: amount of water
- **Dependent variable**: fraction of seeds that sprout

- **Experimental group**: 9/10 seeds sprout
- **Control group**: 0/10 seeds sprout

- **Identical pots**: 10 bean seeds per pot

- **Water**: +/− Water
Trial area
What’s next?
30km/h Speed Limit Trial

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