Obesity, where is it driving us?

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What am I doing here?

My objective:

“it appears that obesity affects driving behaviour and it should be considered as a potential risk factor for MVCs”
Obesogenic environment
Methods

From Nov 2010 – Feb 2011:
A word on urban sprawl...

Obesity and traffic safety

Anthromechanical issues
  car fit
  crash kinematics

Health complications
  ocular pathologies
  sleep apnoea
Anthromechanical issues

Car fit

design standards

seat belt use

Table 1. Weighted proportions of seatbelt users by BMI category, BRFSS 2002

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Non-obese</th>
<th></th>
<th>Overweight</th>
<th></th>
<th>Obese</th>
<th></th>
<th>Extremely obese</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$N^*$</td>
<td>Use (%)†</td>
<td>$N^*$</td>
<td>Use (%)†</td>
<td>$N^*$</td>
<td>Use (%)†</td>
<td>$N^*$</td>
</tr>
<tr>
<td>Overall</td>
<td>93,058</td>
<td>82.6</td>
<td>80,887</td>
<td>80.1</td>
<td>43,329</td>
<td>76.6</td>
<td>5572</td>
</tr>
</tbody>
</table>

Anthromechanical issues

Crash kinematics

‘cushion effect’

injury patterns

Health complications

Ocular pathologies
  cataracts, glaucoma and diabetic retinopathy

Sleep apnoea
  daytime sleepiness
What can we do?

More data

Sleep apnoea
  CPAP treatment

Car design
Take home message:

“it appears that obesity affects driving behaviour and it should be considered as a potential risk factor for MVCs”
Questions?