



A reduction in fatal casualties

Who, why and what does this mean?

Louise Lloyd



Agenda

1 Introduction

2 **Who:** Which road user groups?

3 **Why:** Vehicle safety influences

4 **Why:** Temporal and economic influences

5 **What does this mean?**

Quiz



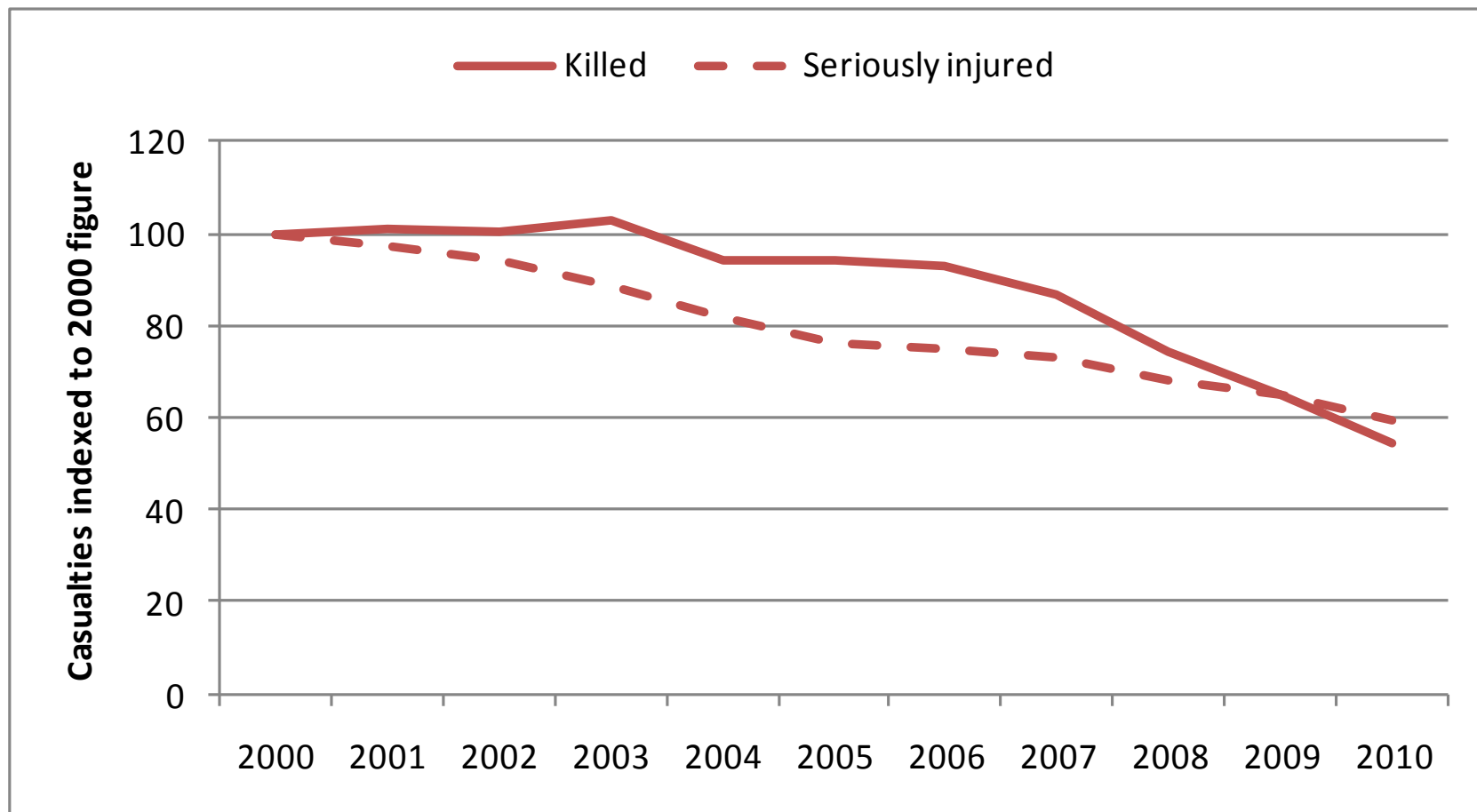
- Writer
- Verdict
- Time
- Volume
- Inflation
- Planting
- Downhill
- Improvement
- Teaching
- Mixing
- Stairs
- Ratio
- Sixteen
- Library
- Shopping

Aim

Investigate the causes of the major reduction
in the number of road accident fatalities in 2007-10

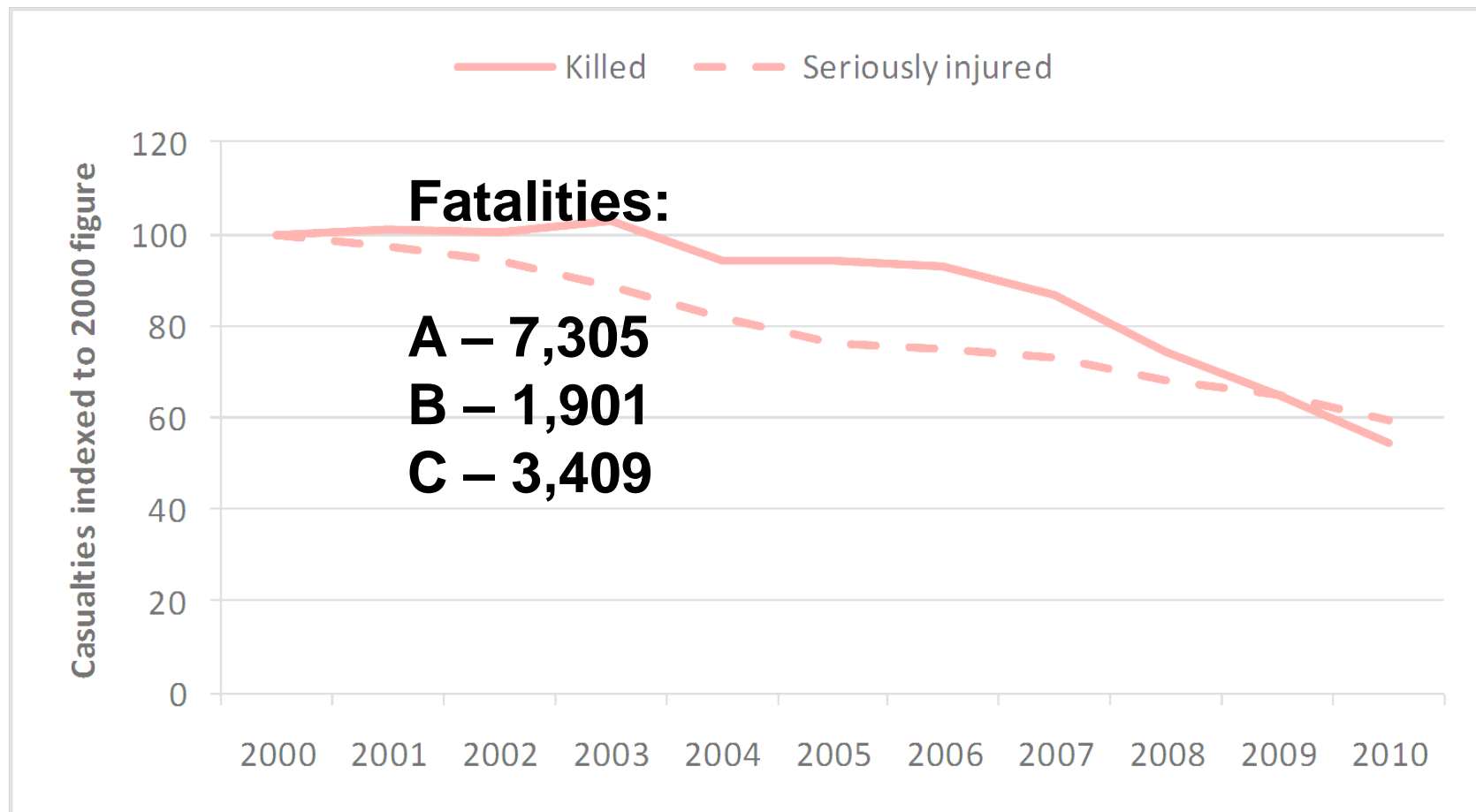
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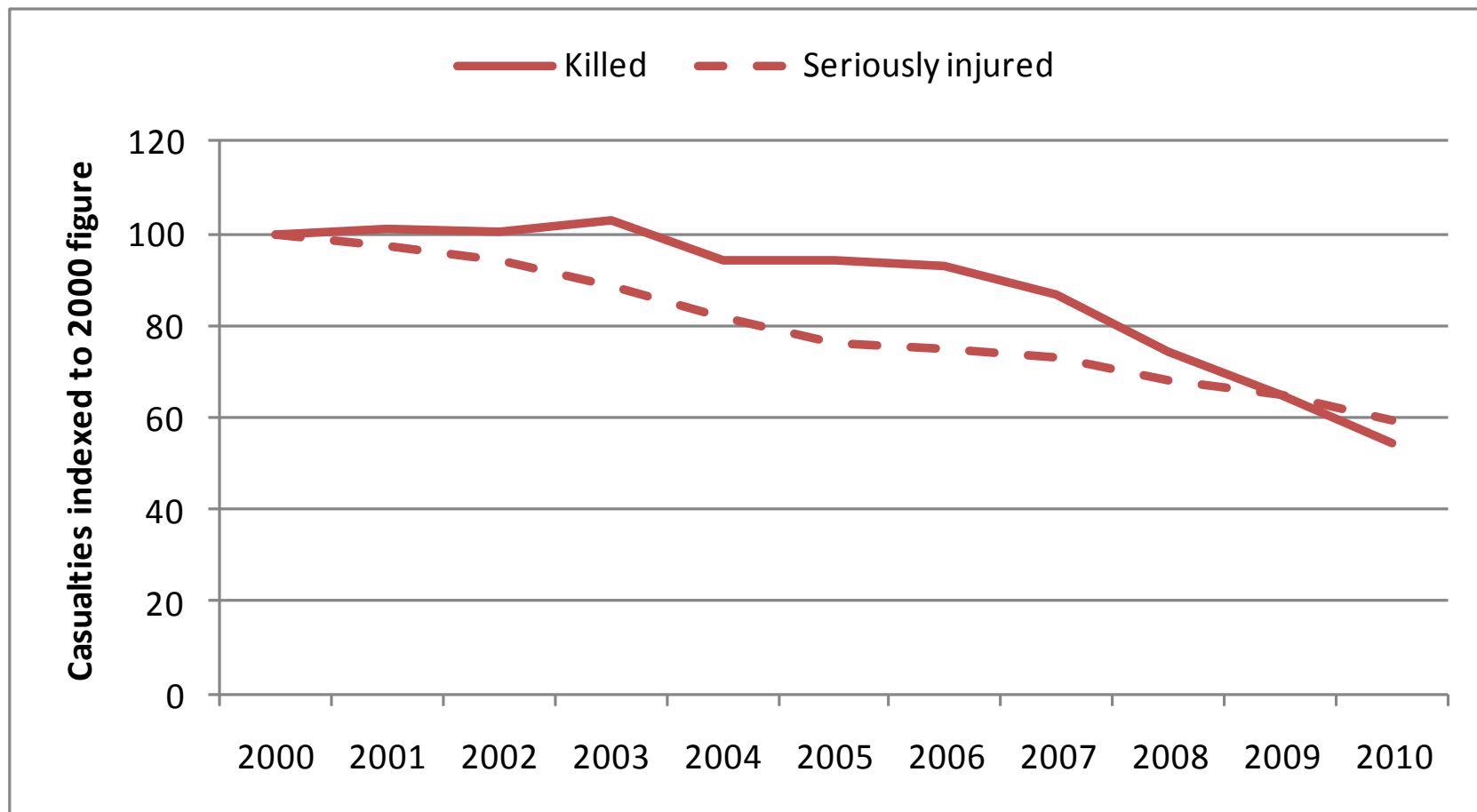
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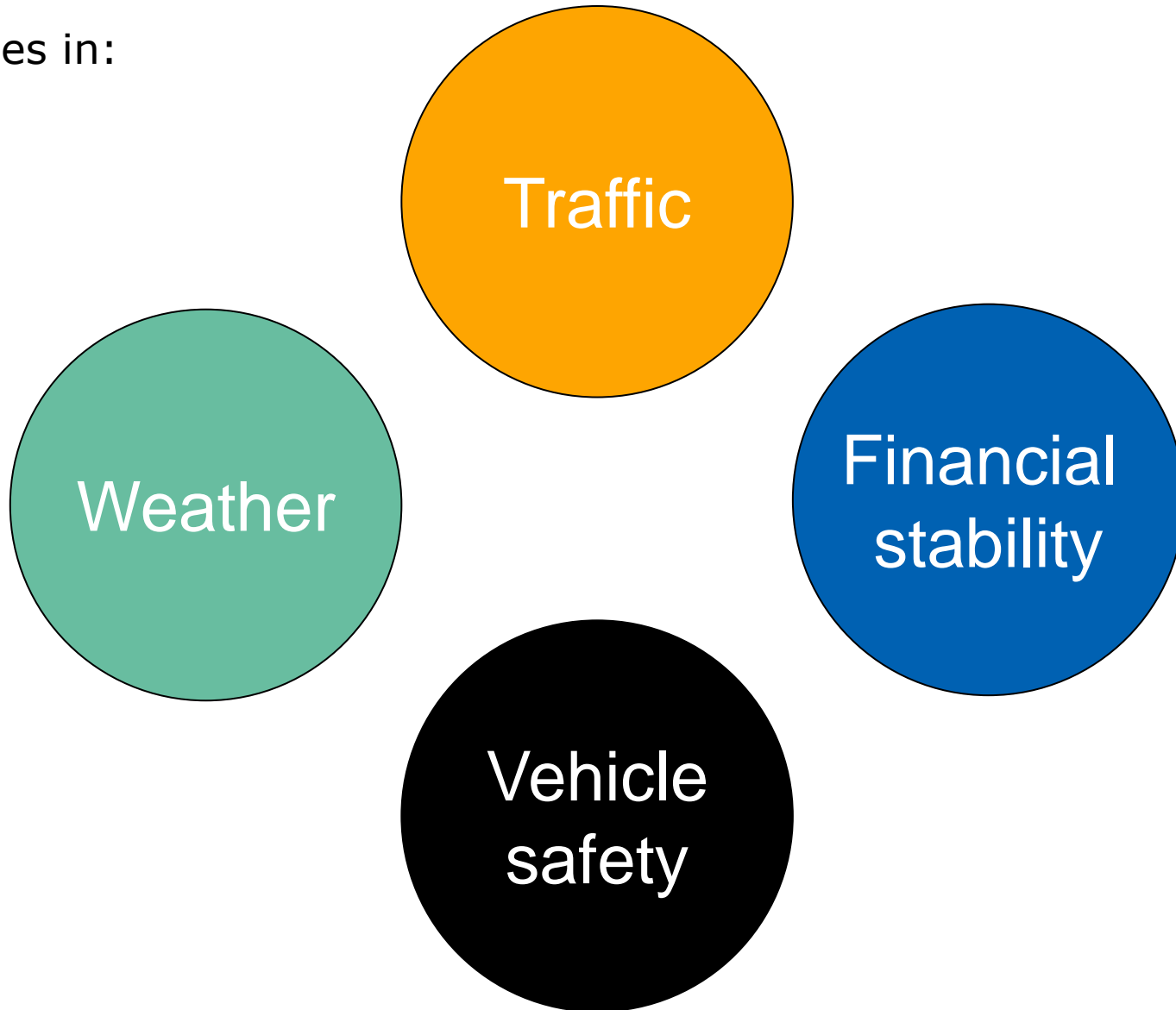


Hypotheses

Changes in:

Hypotheses

Changes in:



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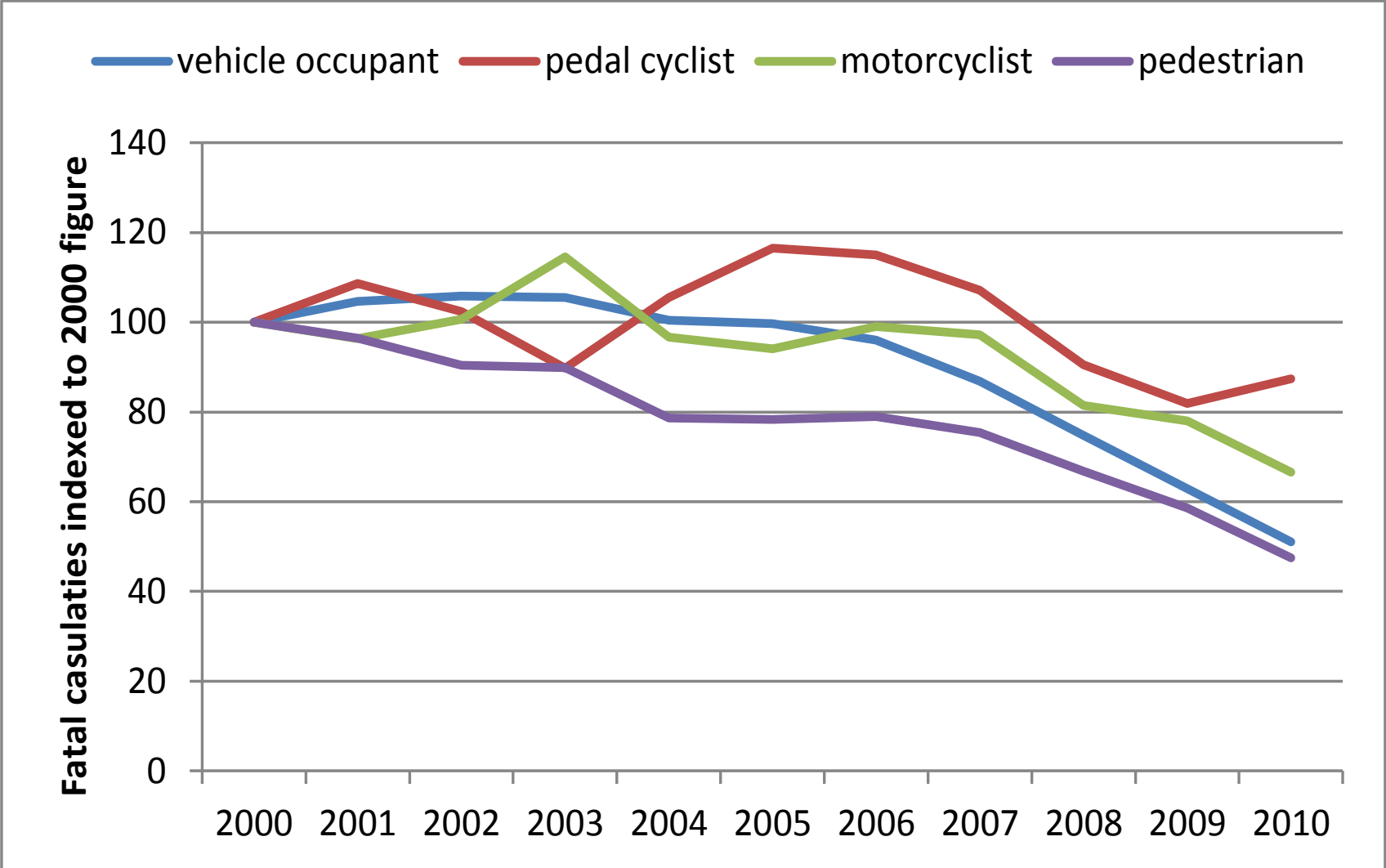
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4 **Why:** Temporal and economic influences

5 **What does this mean?**

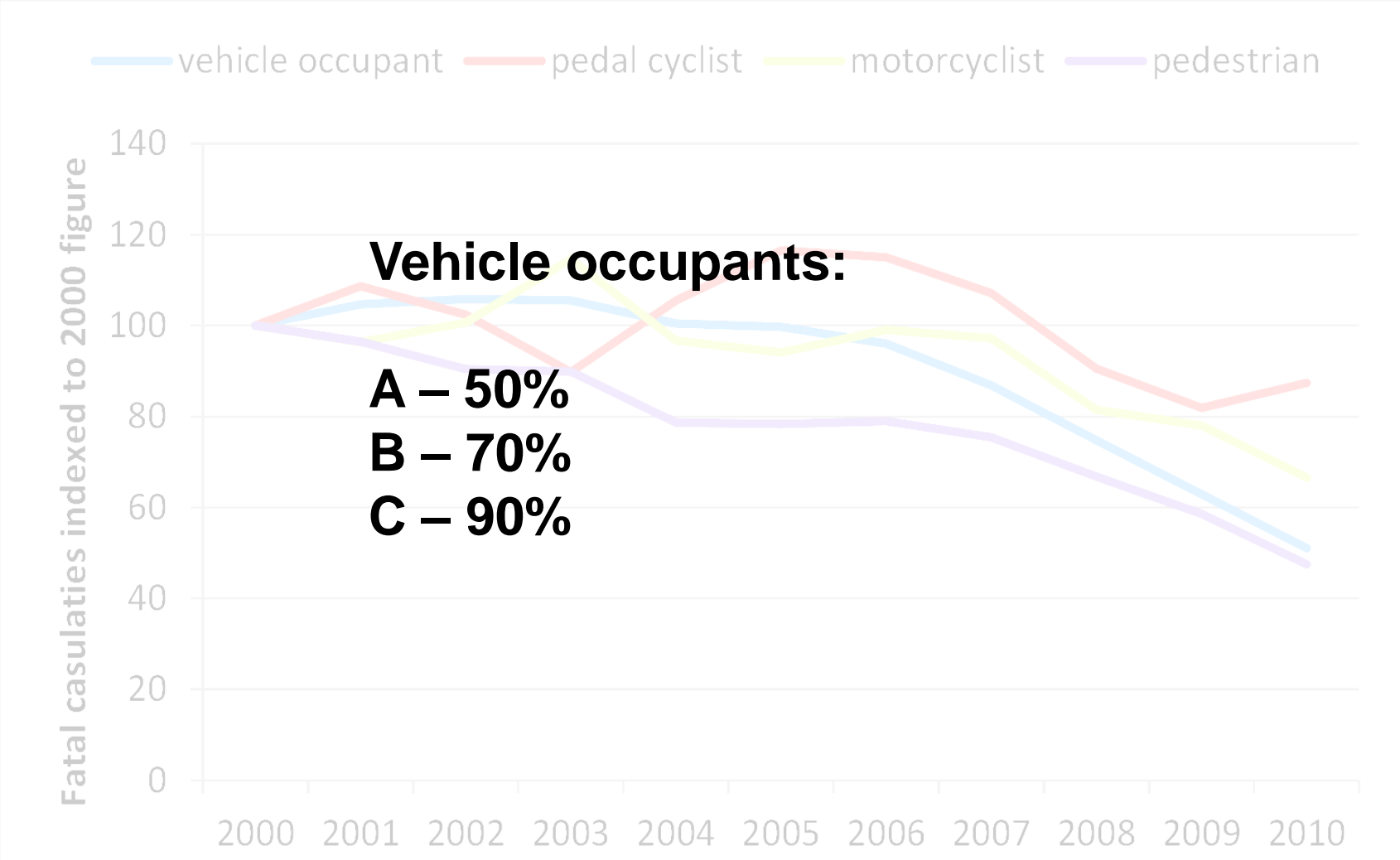
Casualty trends by road user type

Killed casualty trend by casualty class



Casualty trends by road user type

Killed casualty trend by casualty class



Vehicle occupants:

A – 50%

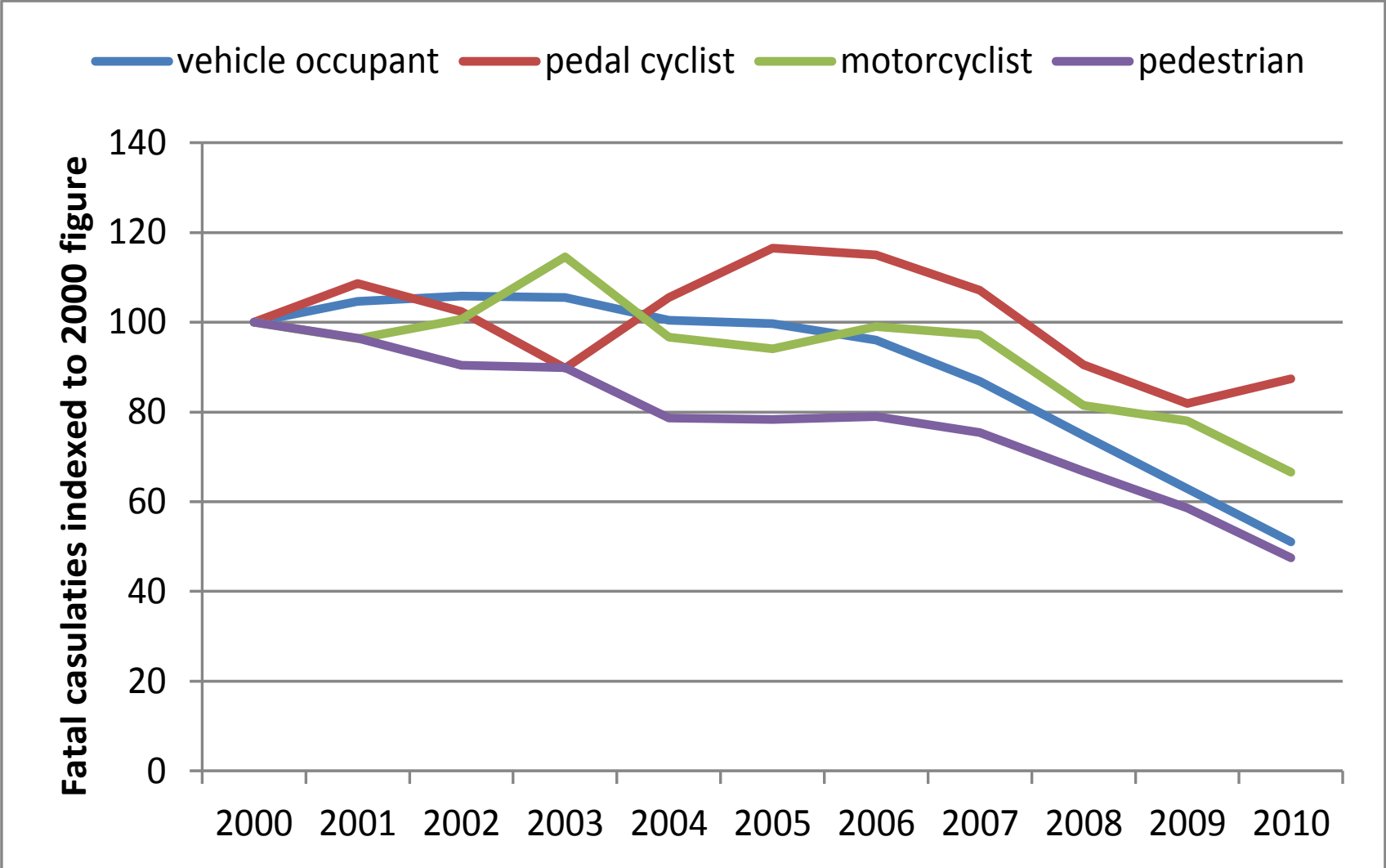
B – 70%

C – 90%

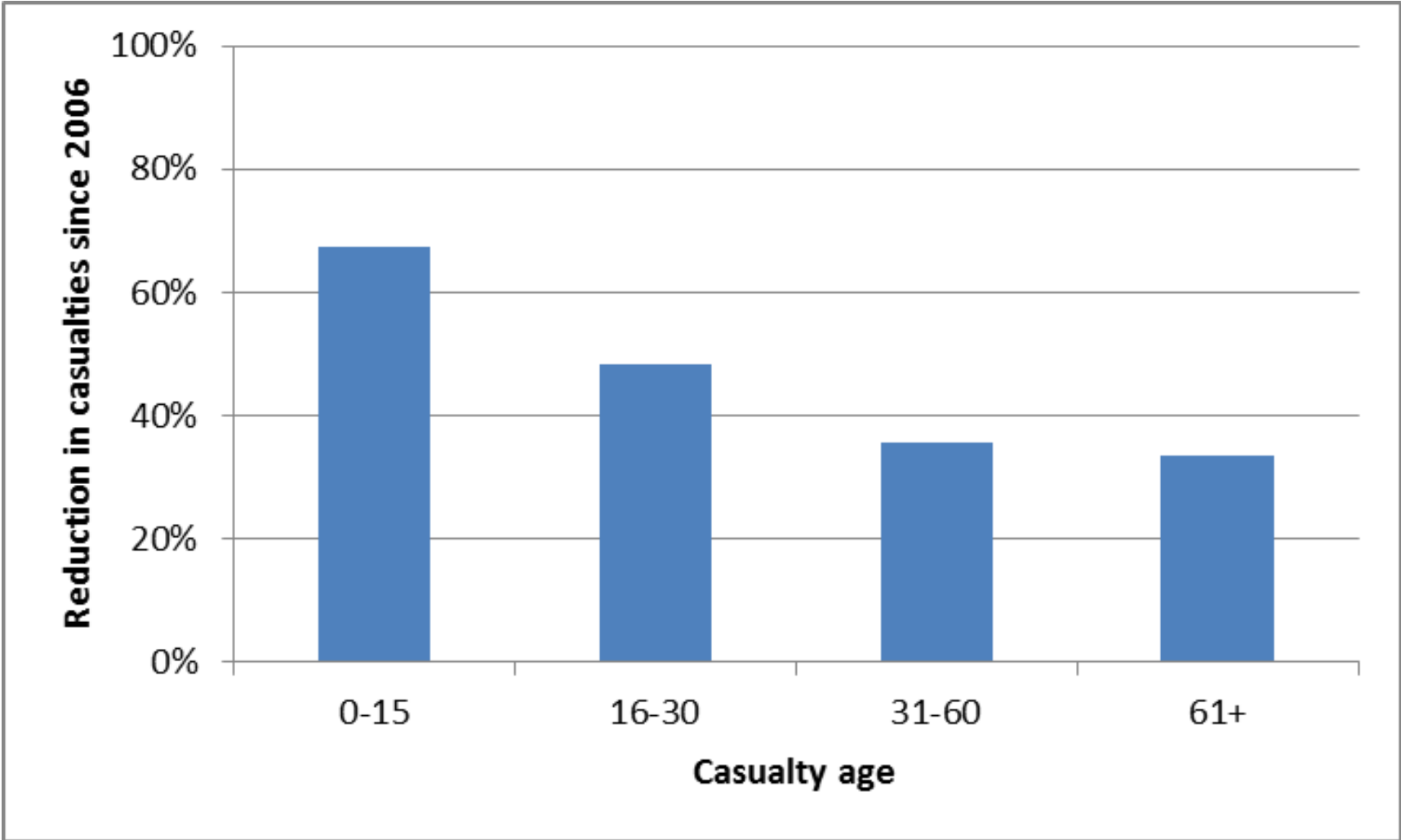


Casualty trends by road user type

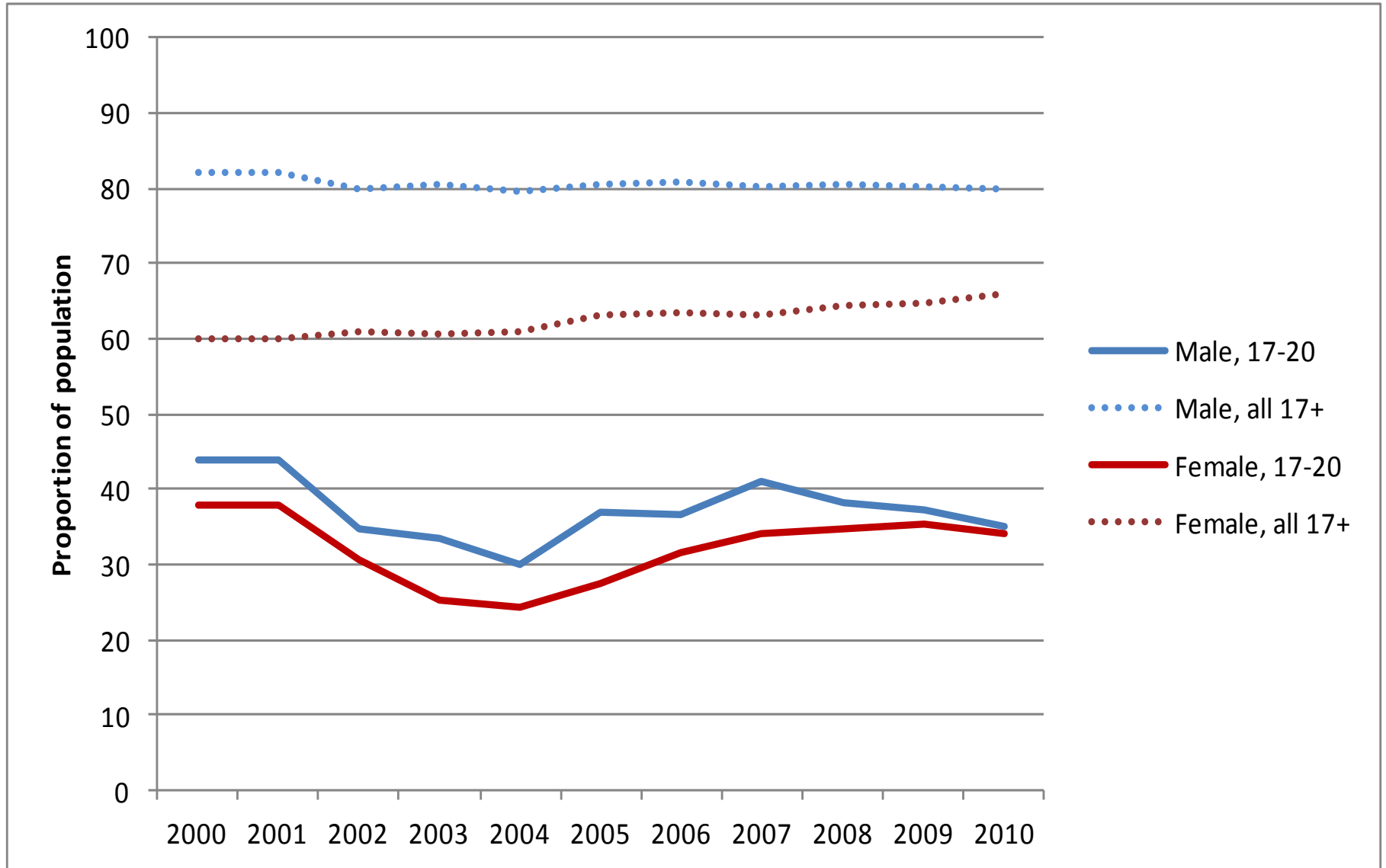
Killed casualty trend by casualty class



Fatal casualties by age group



Young driver licence holders



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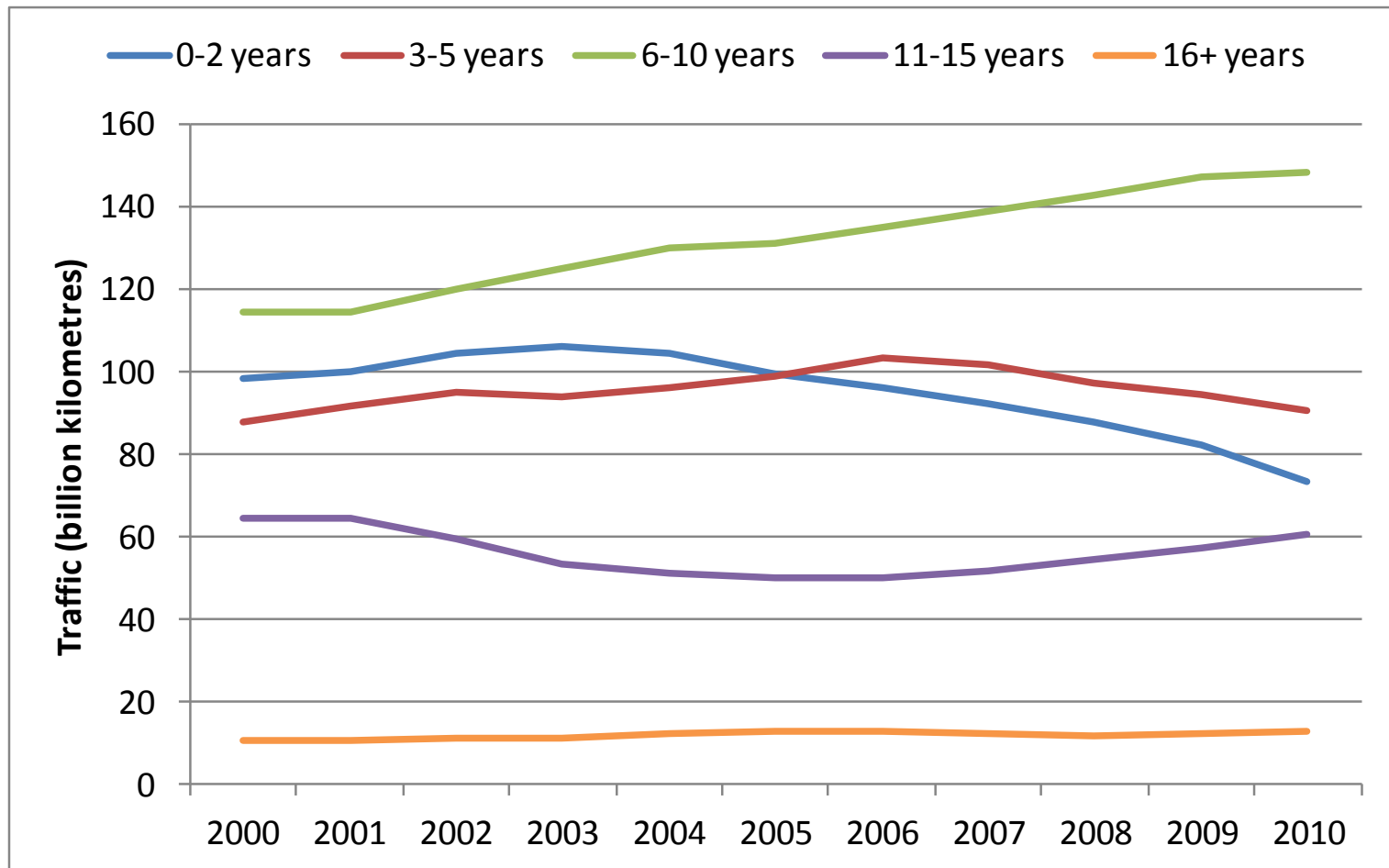
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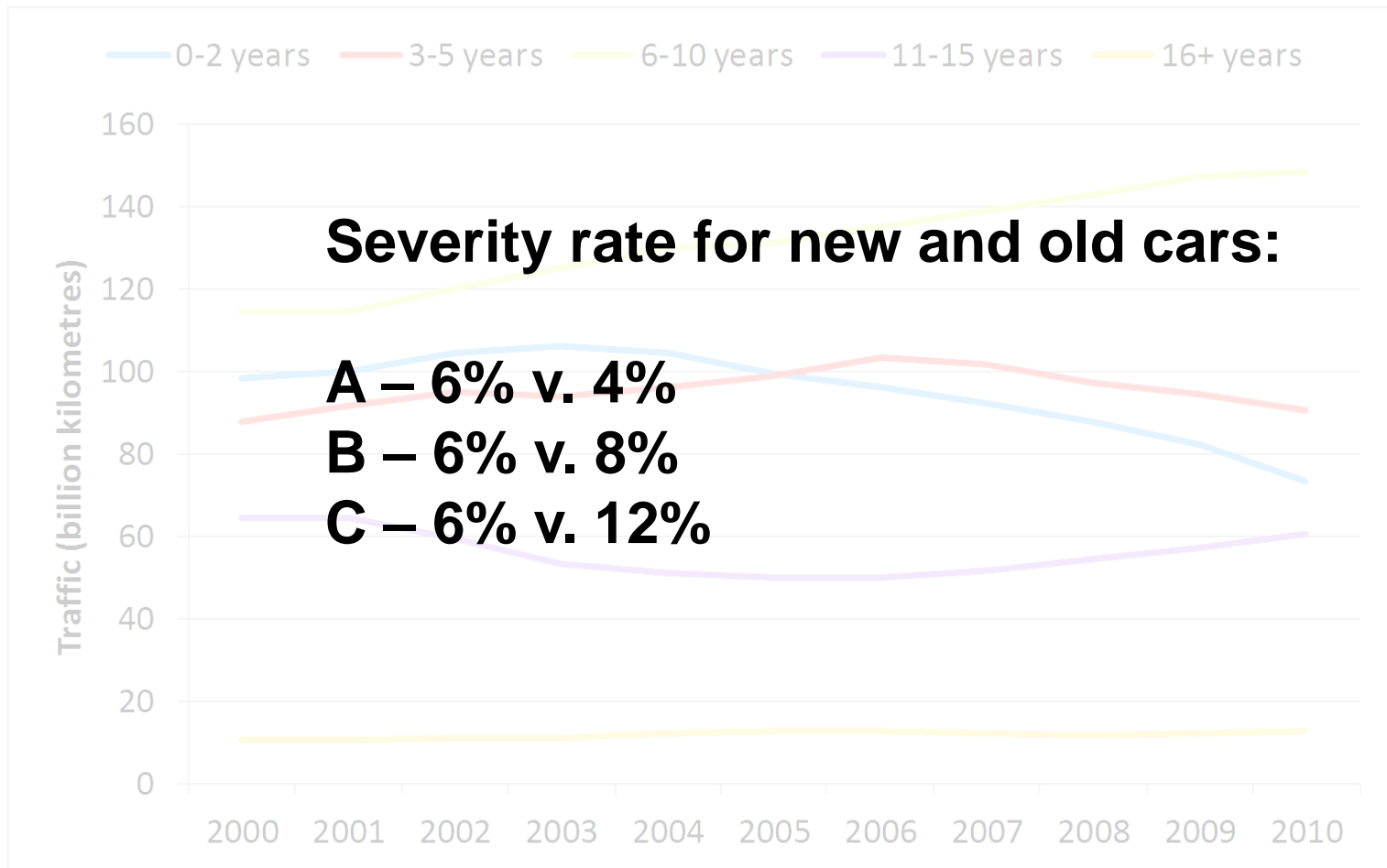
Exposure data by car age

Traffic (billion kilometres) by age of car



Exposure data by car age

Traffic (billion kilometres) by age of car



Car registration year

Proportion of vehicle occupant fatalities for all fatally and seriously injured occupants

Year of accident	0-2 years	3-5 years	6-10 years	11-15 years	16+ years
2000	9%	9%	9%	11%	13%
2010	6%	7%	8%	8%	10%



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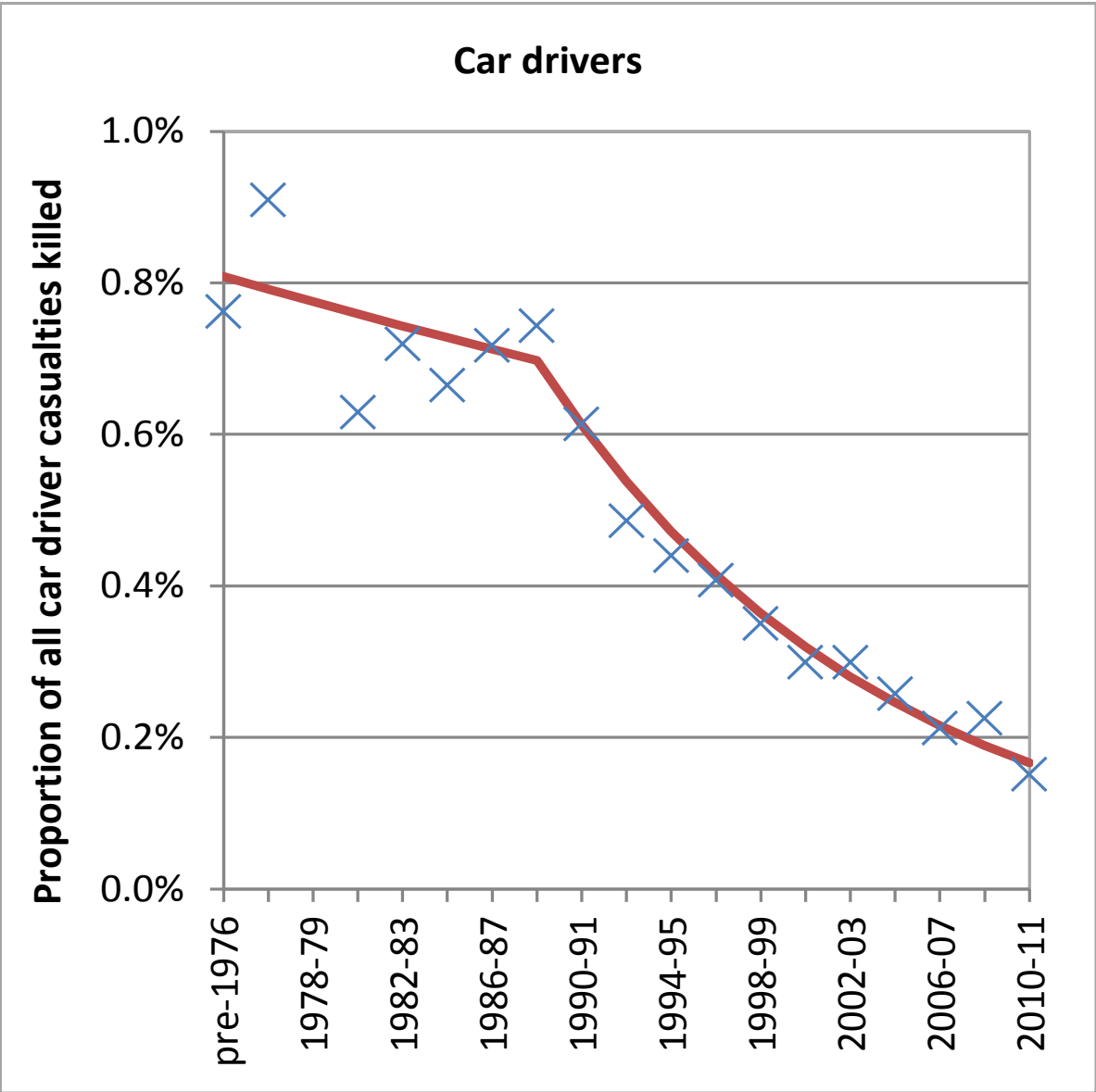
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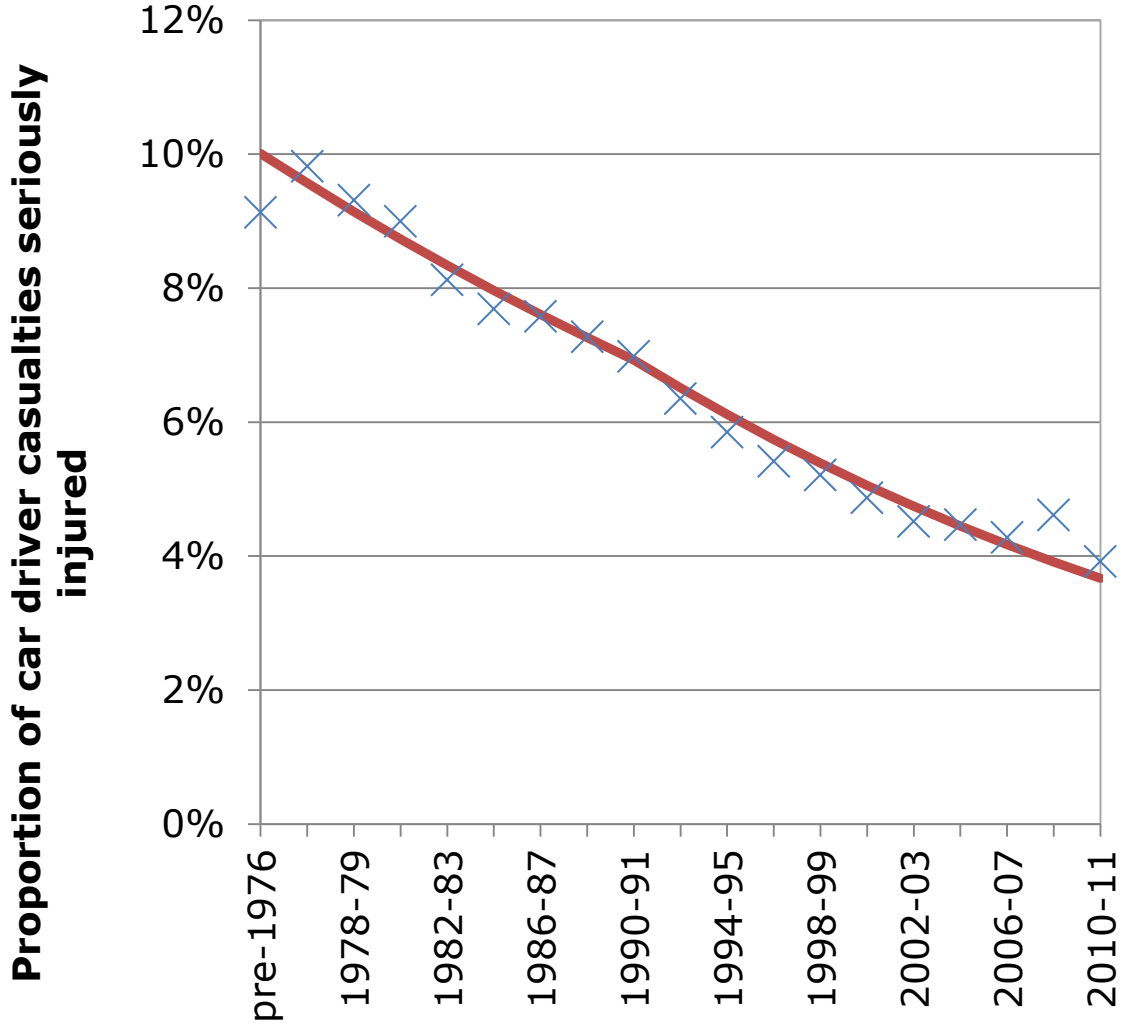
Car secondary safety – drivers

Car secondary safety – driver fatalities

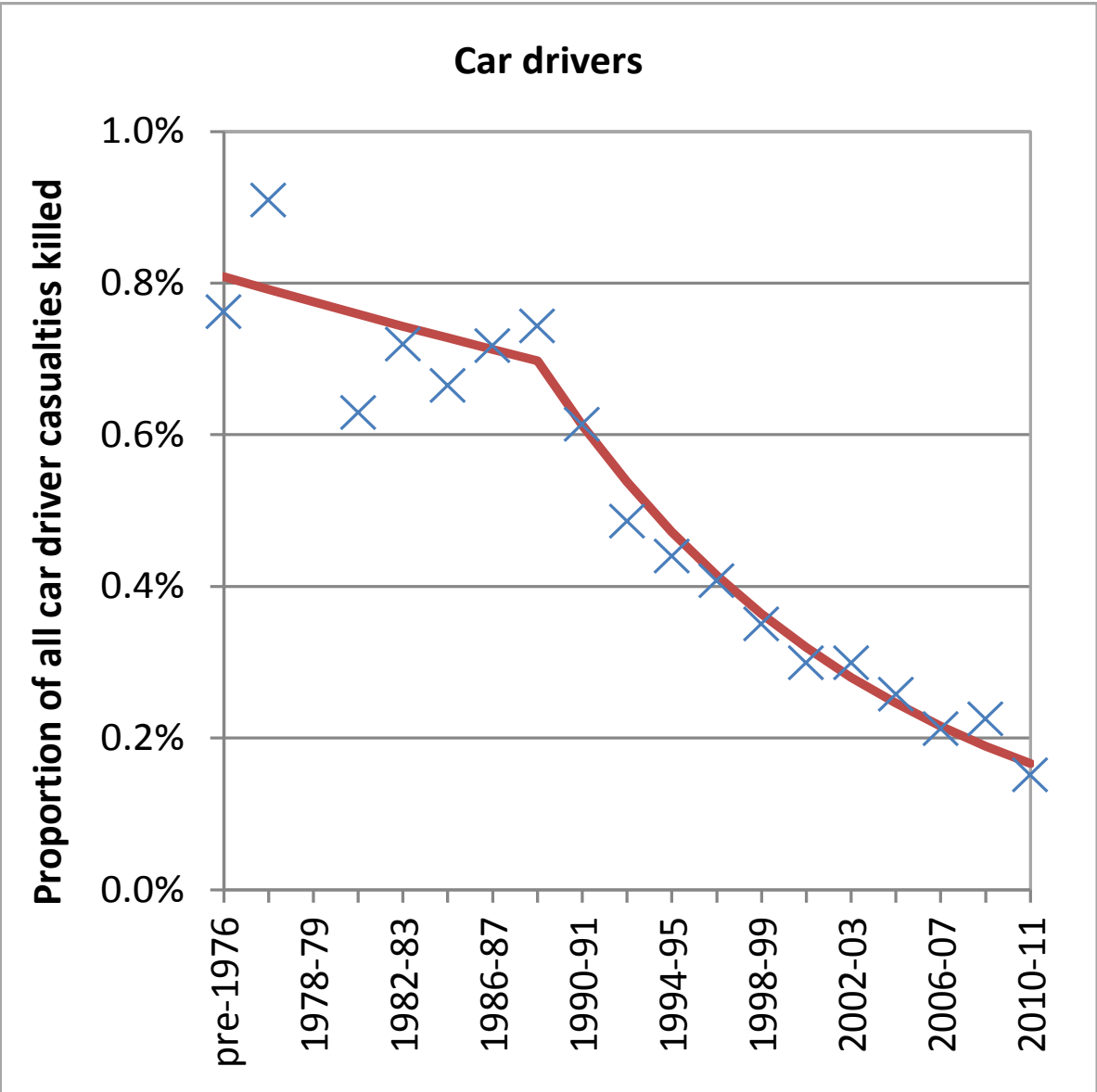


Car secondary safety – drivers seriously injured

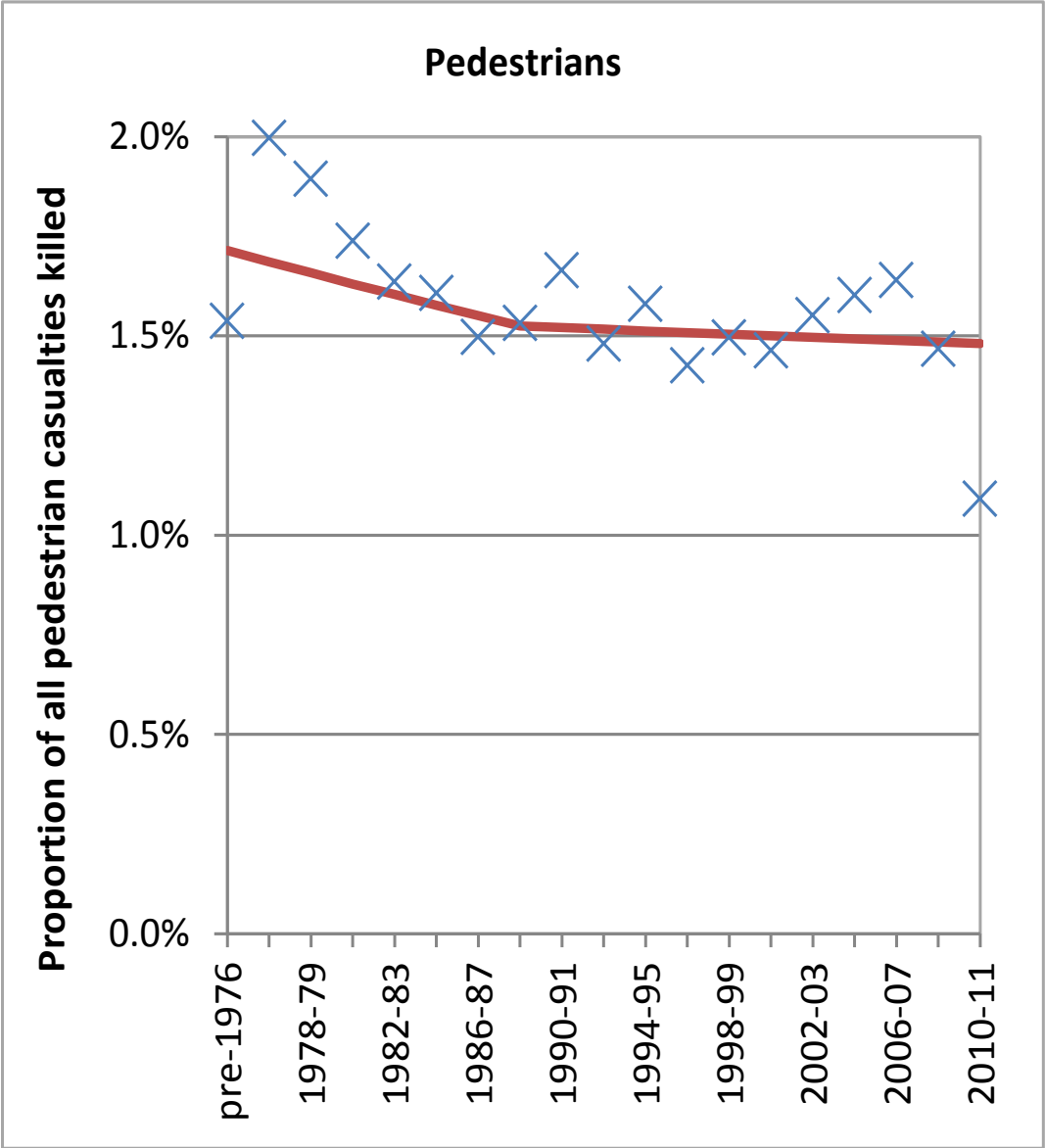
Car driver SI



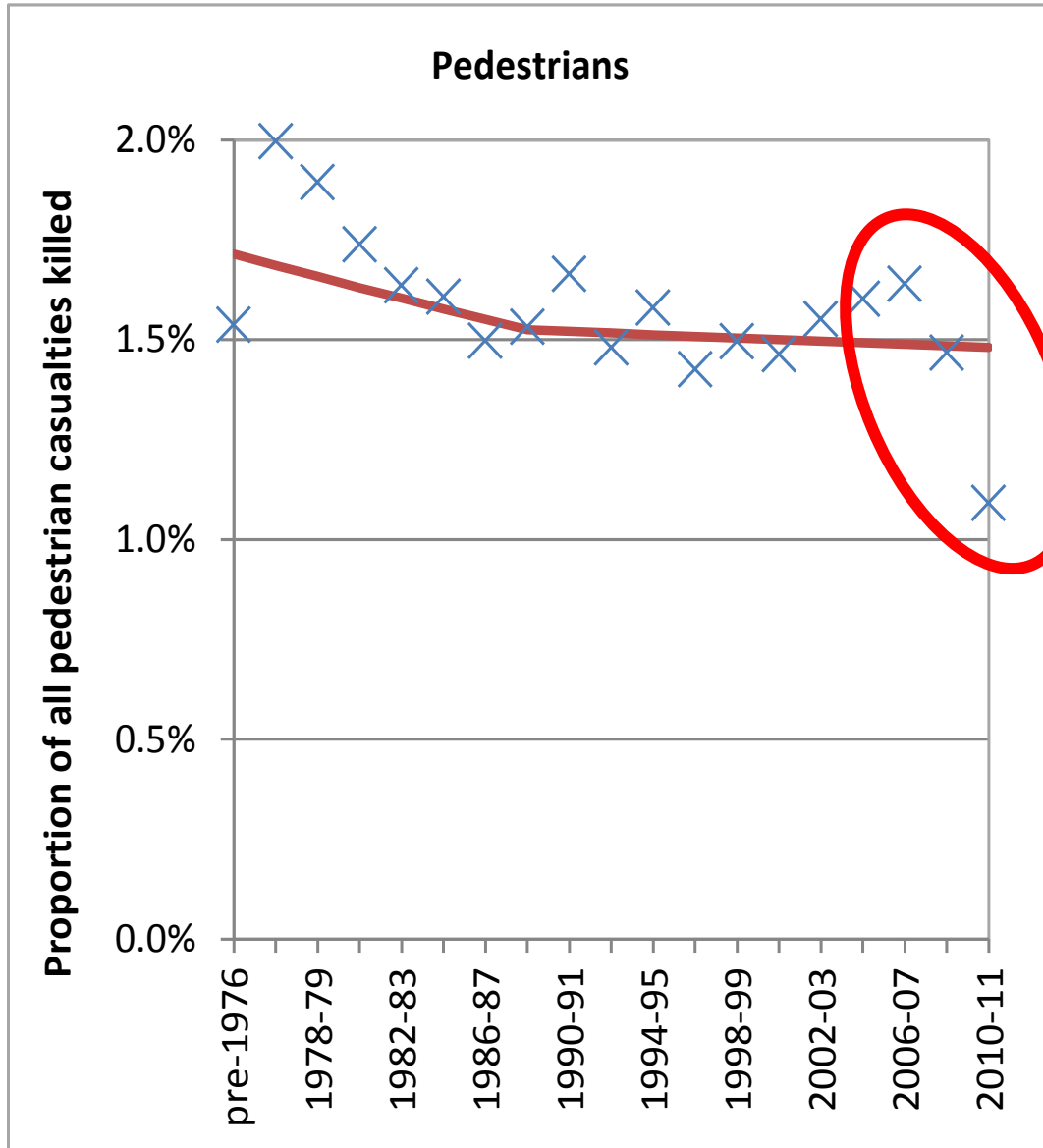
Car secondary safety – drivers



Car secondary safety – pedestrian protection



Car secondary safety – pedestrian protection



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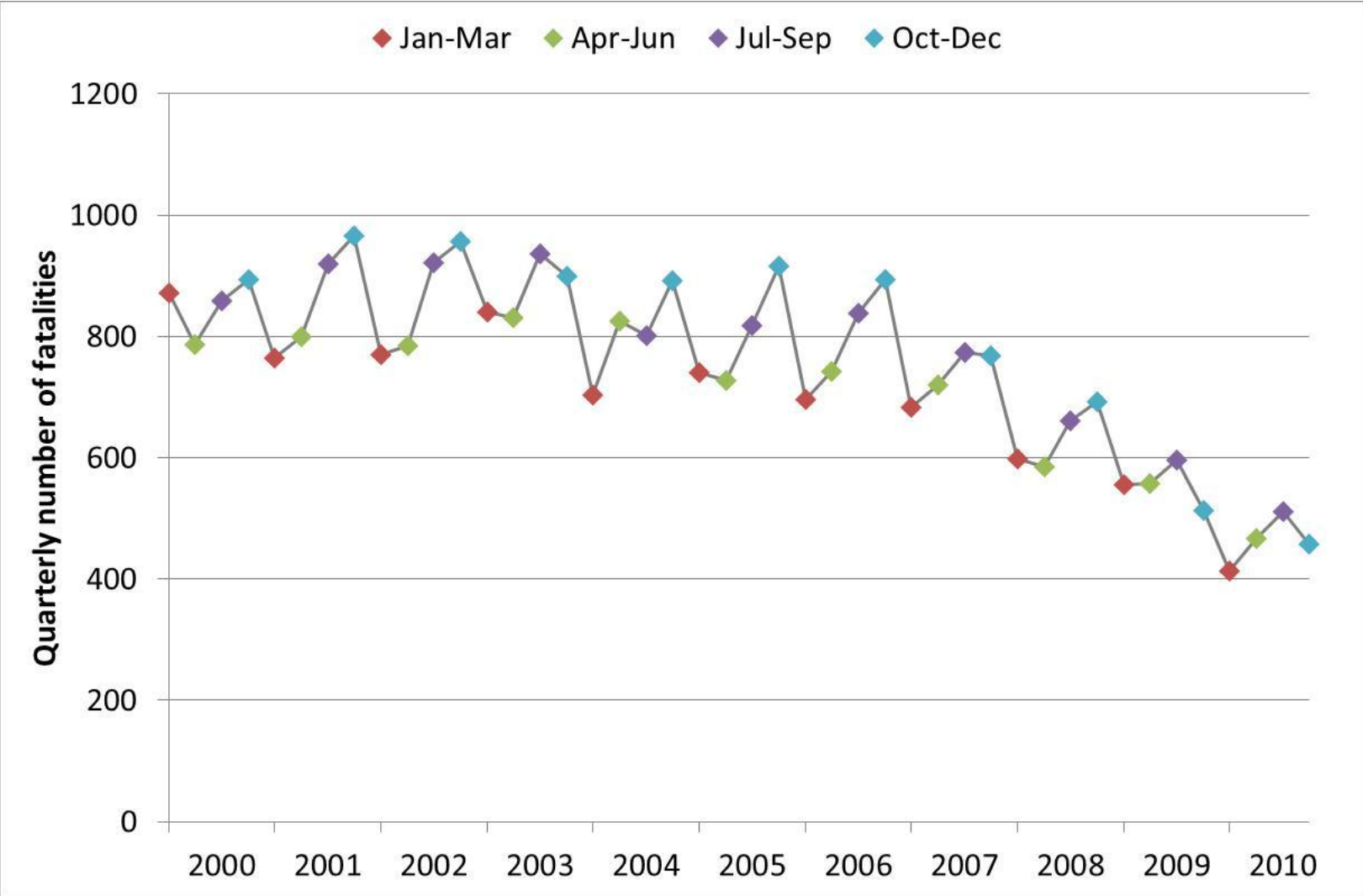
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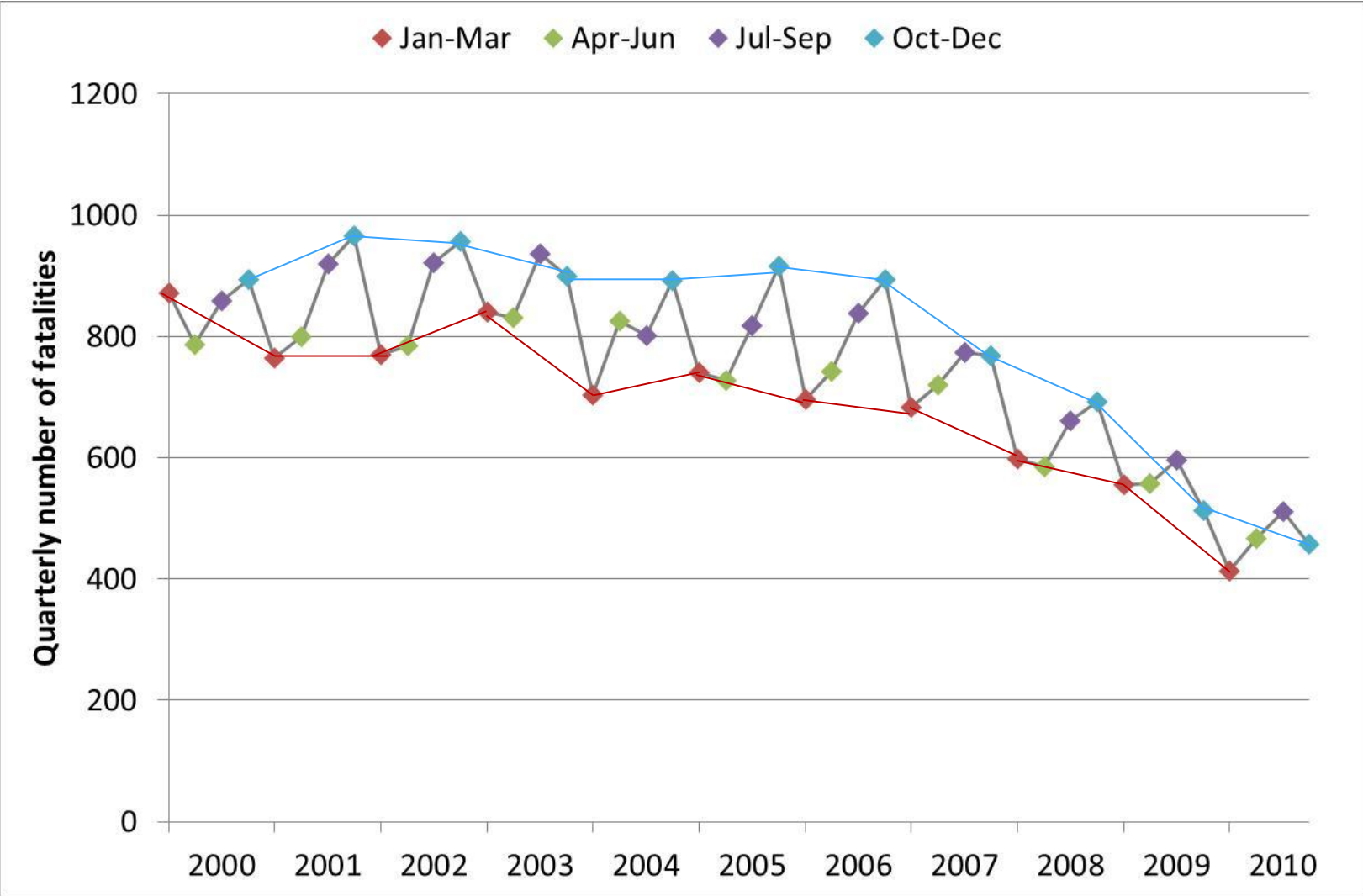
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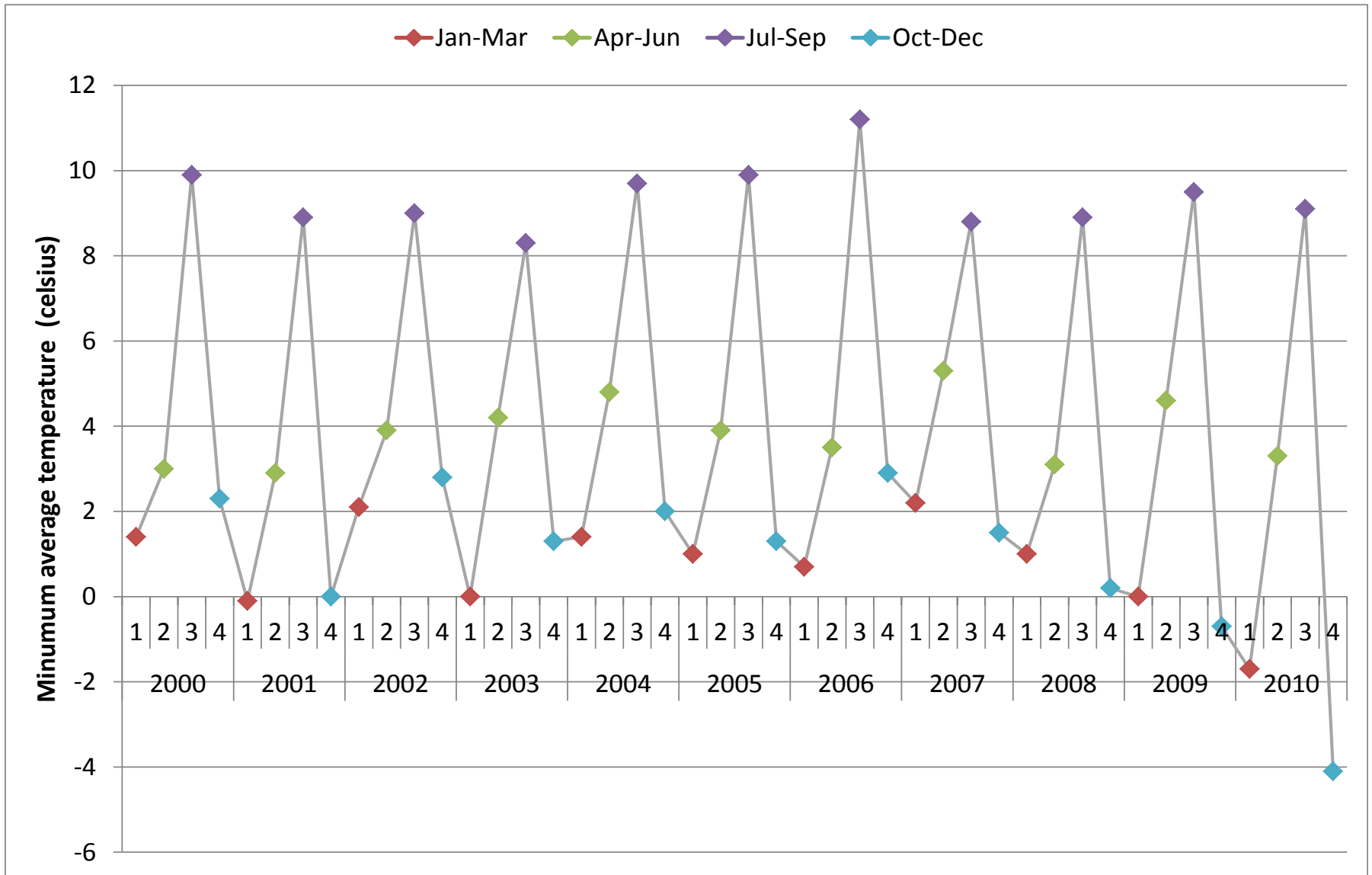
Quarterly fatality numbers



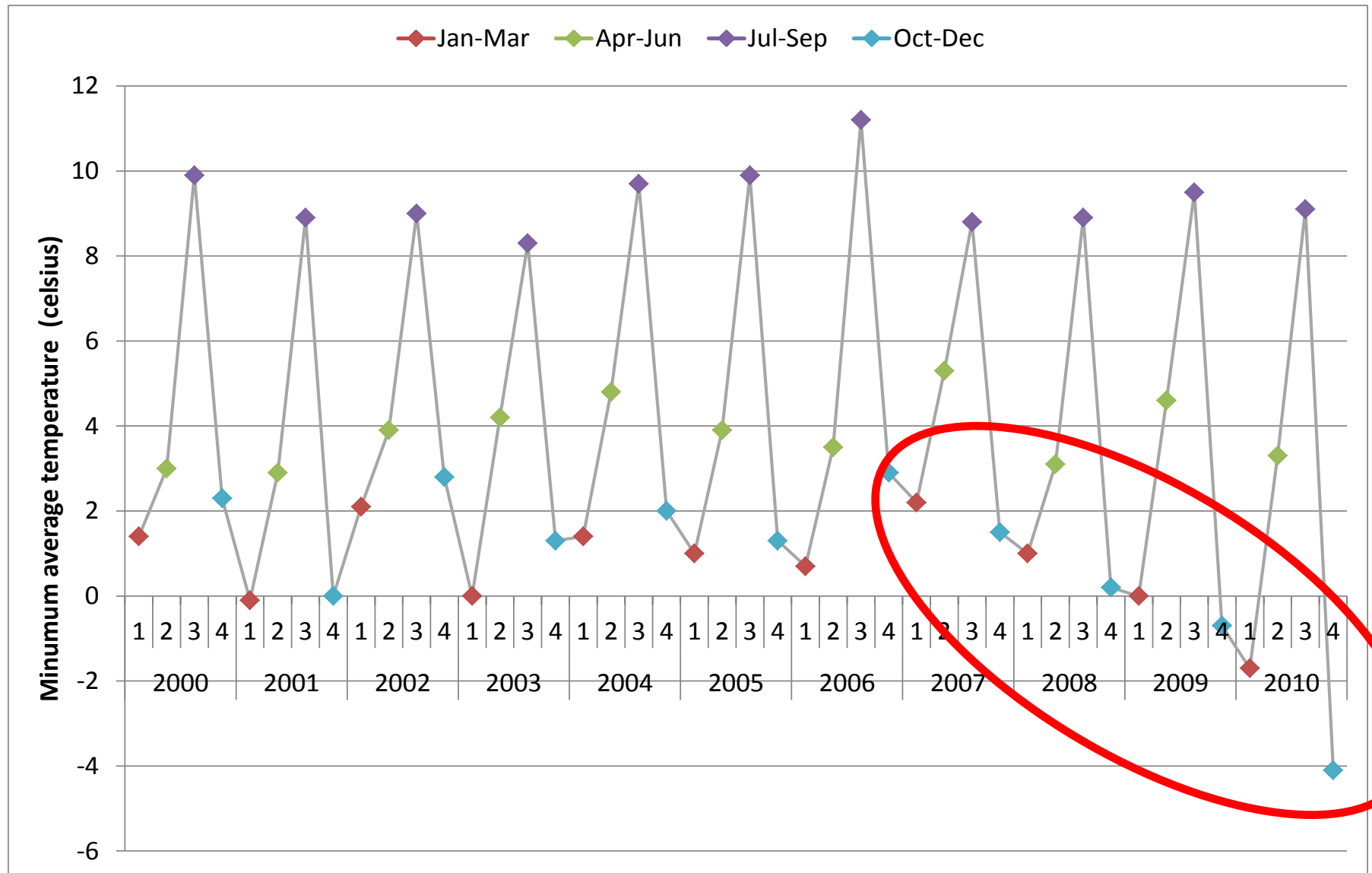
Quarterly fatality numbers



Minimum quarterly temperature



Minimum quarterly temperature



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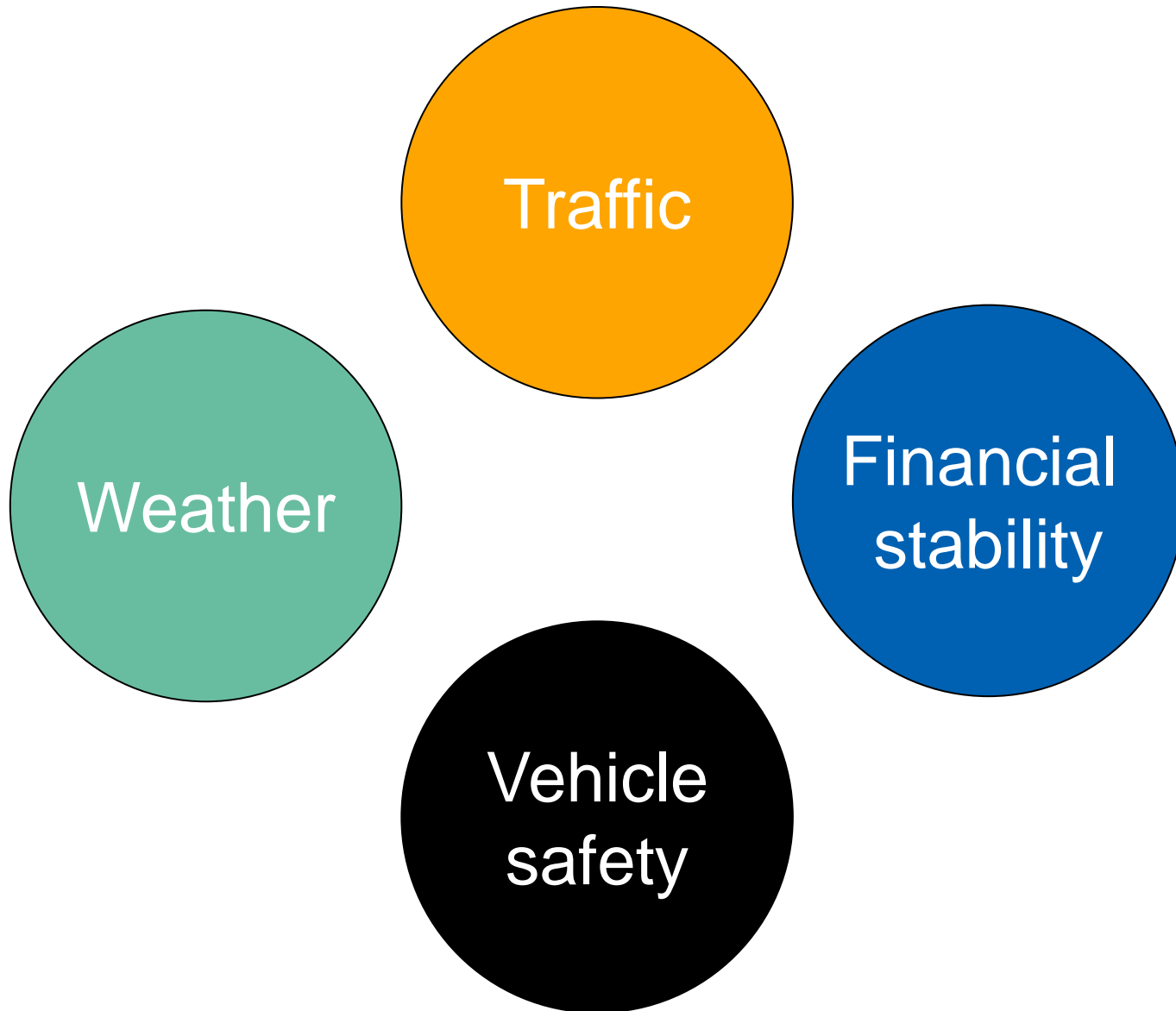
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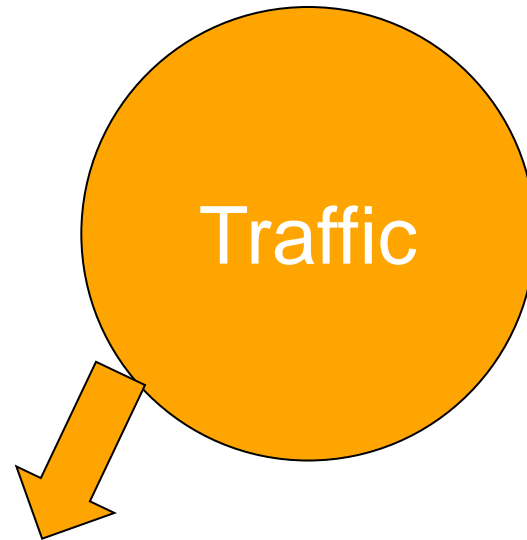
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Conclusions



Conclusions



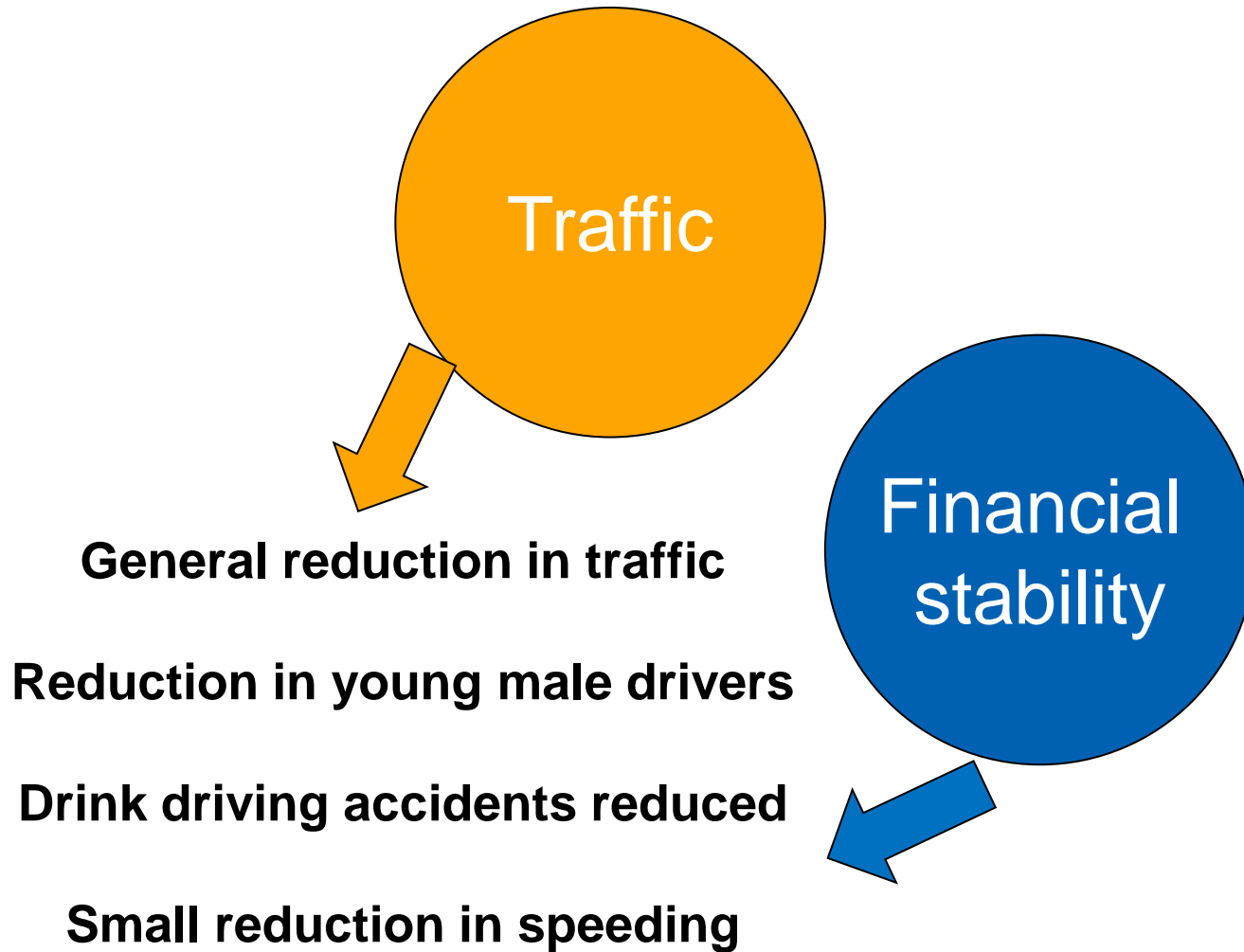
General reduction in traffic

Reduction in young male drivers

Drink driving accidents reduced

Small reduction in speeding

Conclusions

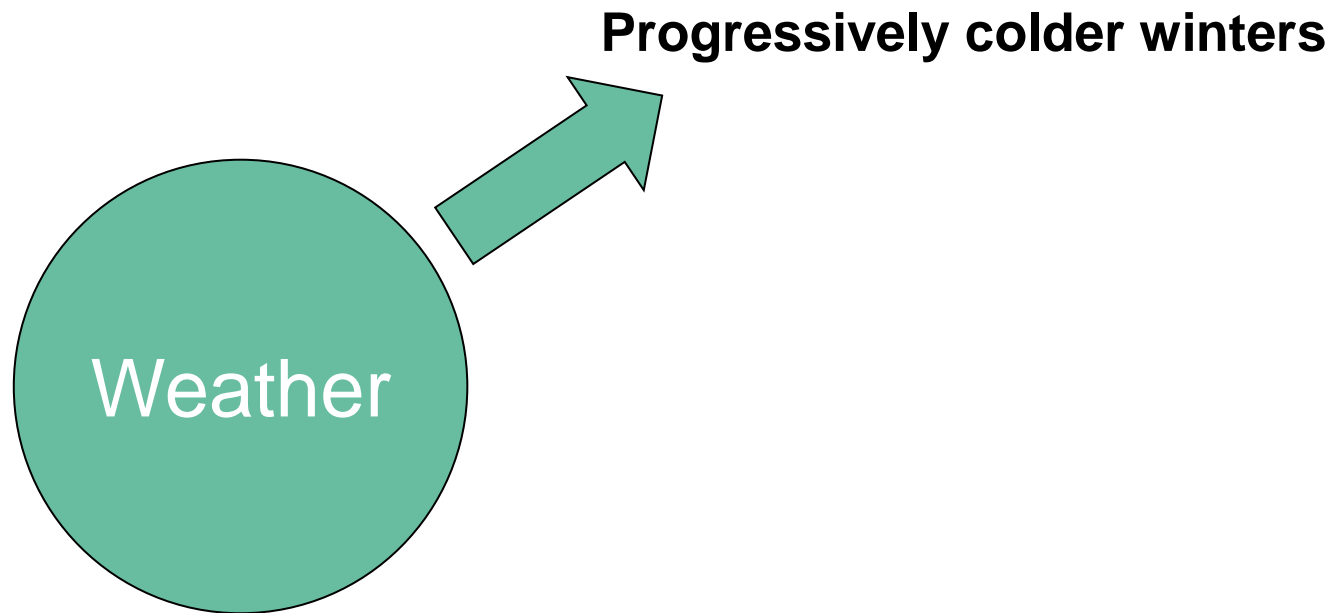


Conclusions

No change to trend in improvements due to secondary safety



Conclusions



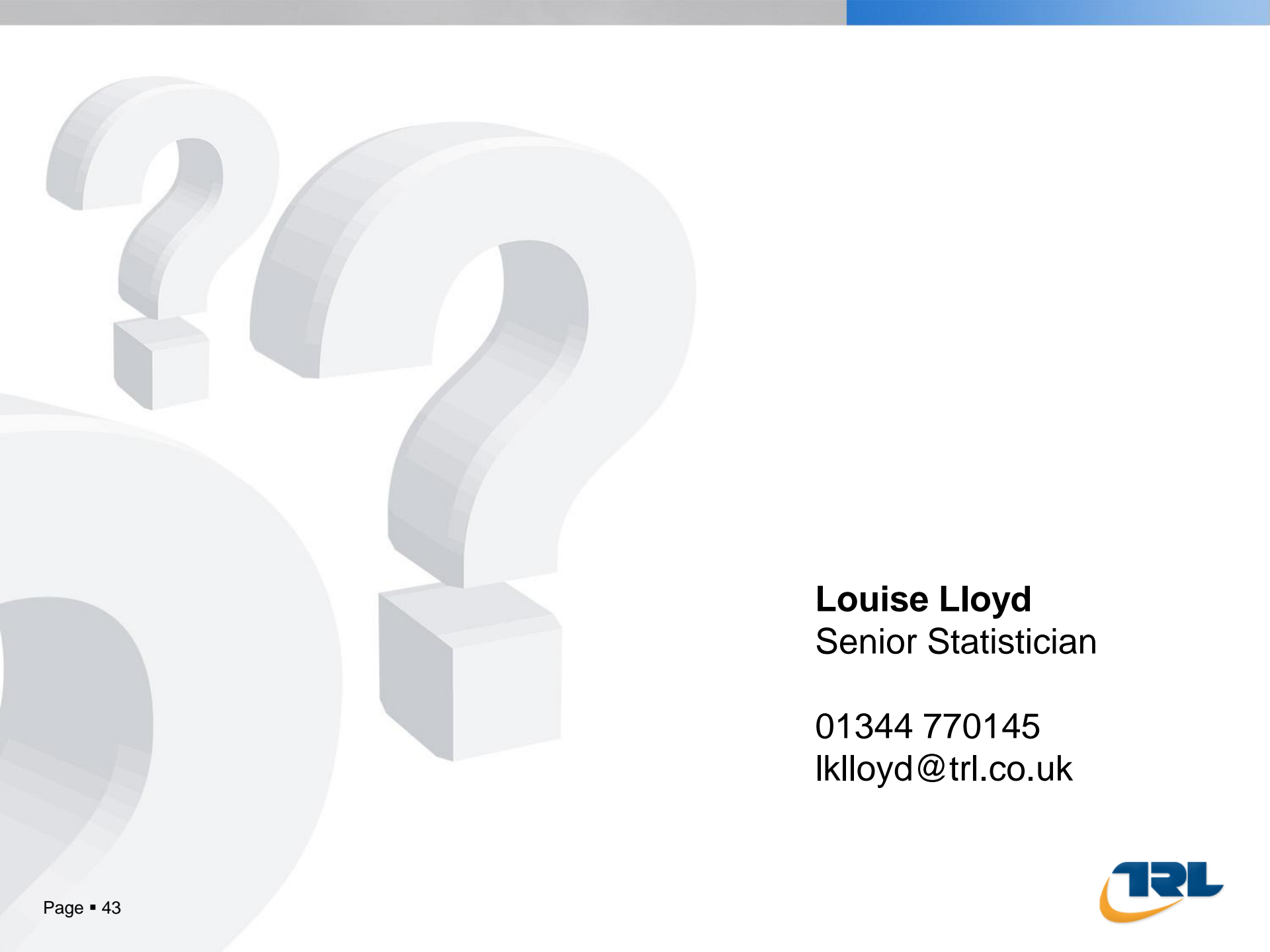
What does this mean in Surrey?

and 2011 and 2012?

Quiz



- View
- Birthday
- Wish
- Solo
- Medicine
- Electricity
- Fantastic
- Puncture
- Document
- Clock
- Cartridge
- Net
- Pudding
- Lid
- Rack



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