

RSRPE 2013

'An opinion survey on road side speed control devices.

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Outline of presentation

- Introduction
- Study aim
- Methodology
- Results
- Limitations of survey
- Deductions from survey analyses

Introduction

- The major contributor to the severity of road traffic accidents is shown in most literature to be inappropriate speeding (*Perez et al. 2007, WHO 2013*).
- Two dominant speed related factors to road traffic accidents:
 - speeding inappropriately for conditions prevailing and exceeding specified speed limits.
- Positive responses obtained from most literature research about the suitability of using speed cameras and vehicle activated signs in reducing vehicle speeds. (*Novoa et al., 2010, Walter and Broughton 2011, Santiago-Chaparro 2012,*

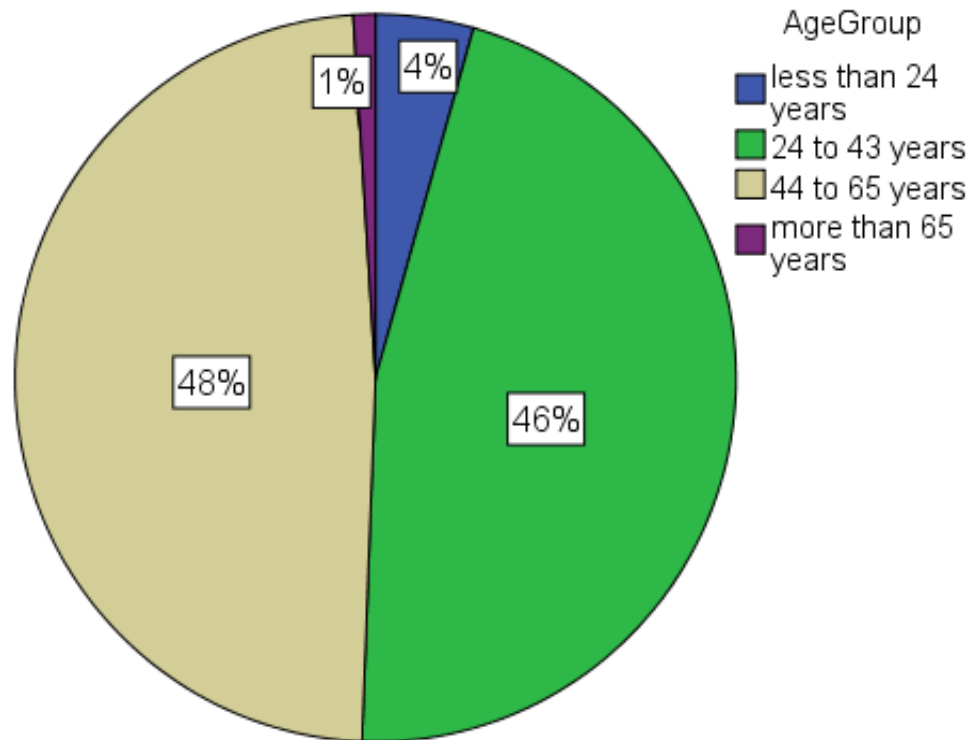
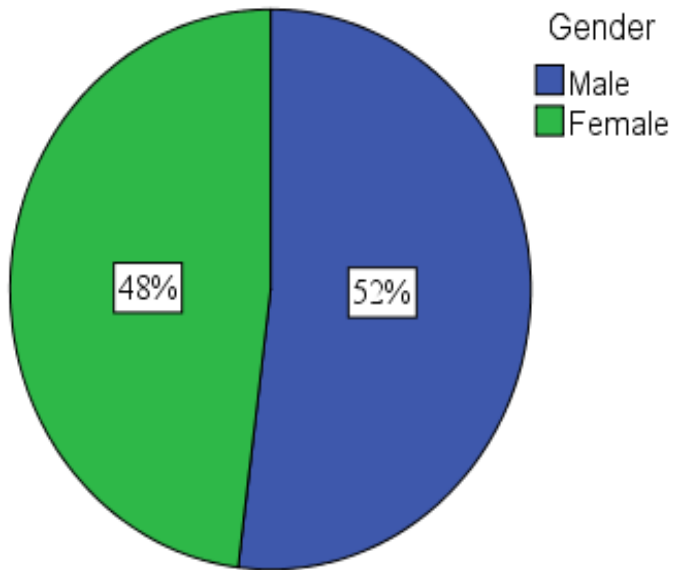
Study Aim

- Establish which speed control devices are healthily embraced by the UK public.
- Assist in the choice of speed control devices to be used in main study.

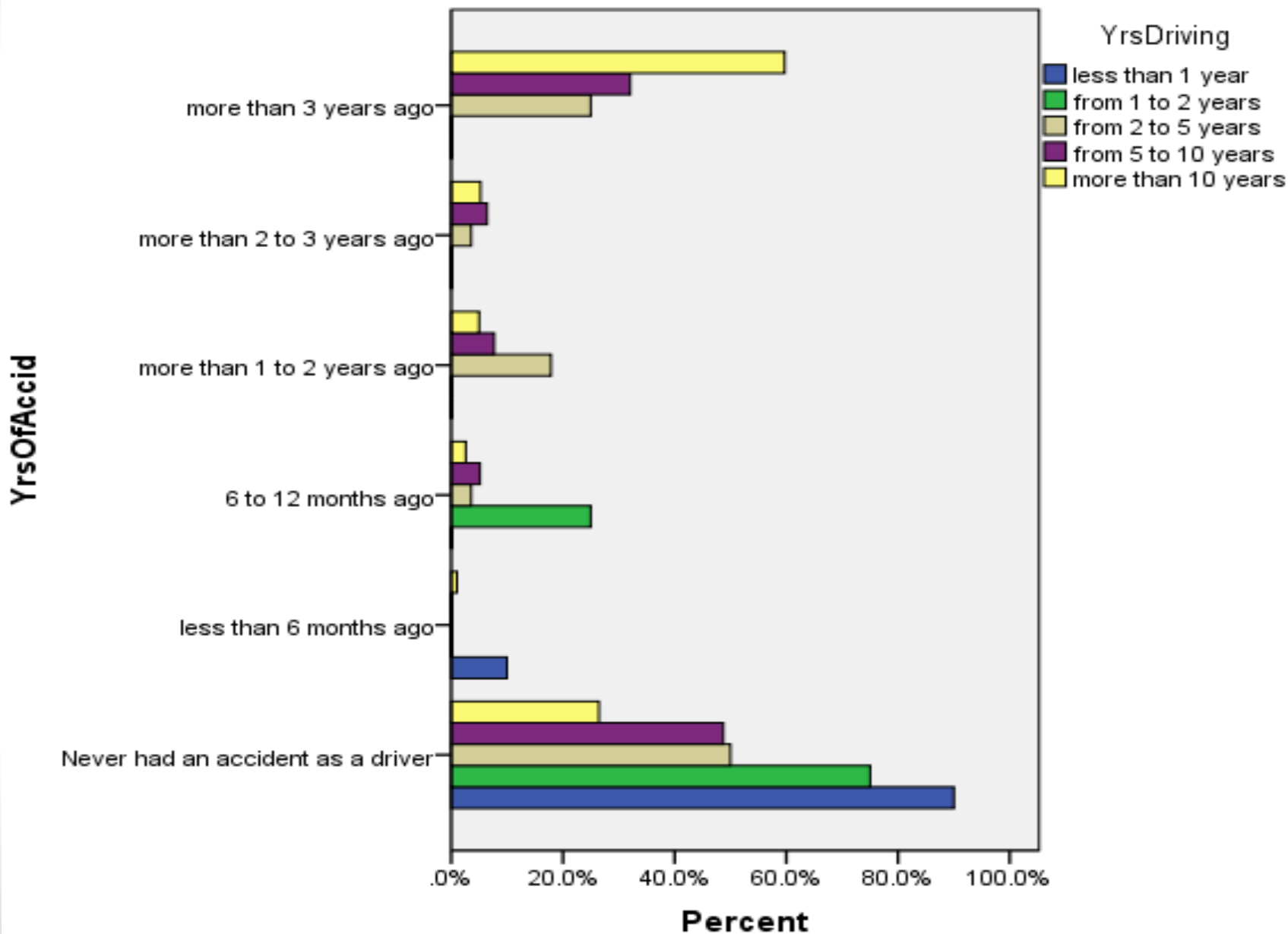
Methodology

- People in UK who drive and or motorcycle.
 - university email system
 - university electronic board
 - email to colleagues, friends etc.
- Questionnaire administered online.
- Ethical clearance.
- Data protection and confidentiality.
- 502 respondents received.

Results



Results



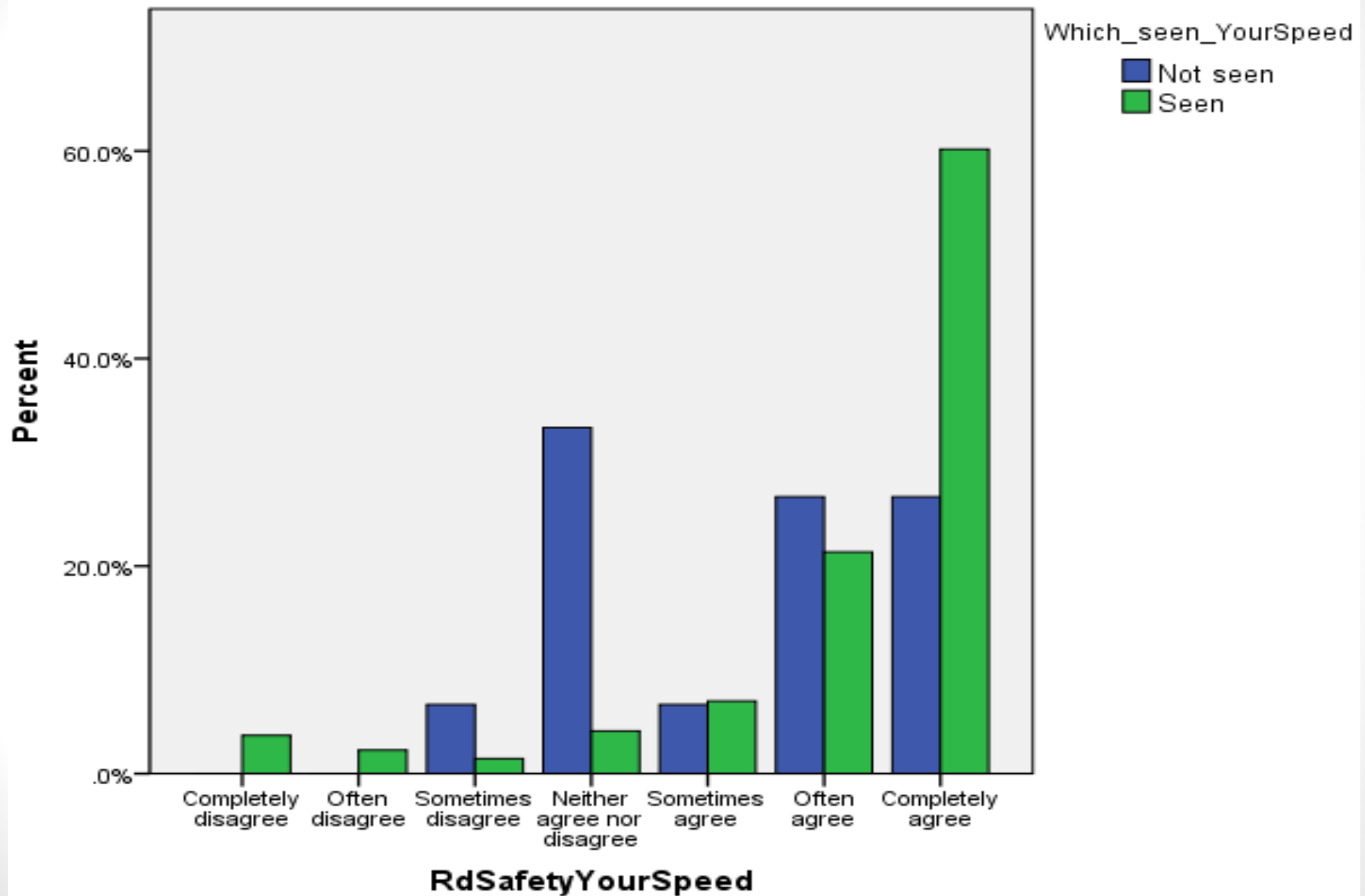
Results

					
"Your speed"	"30mph"	"Speed camera logo"	"Bend ahead"	"Speed camera"	"Average speed camera"

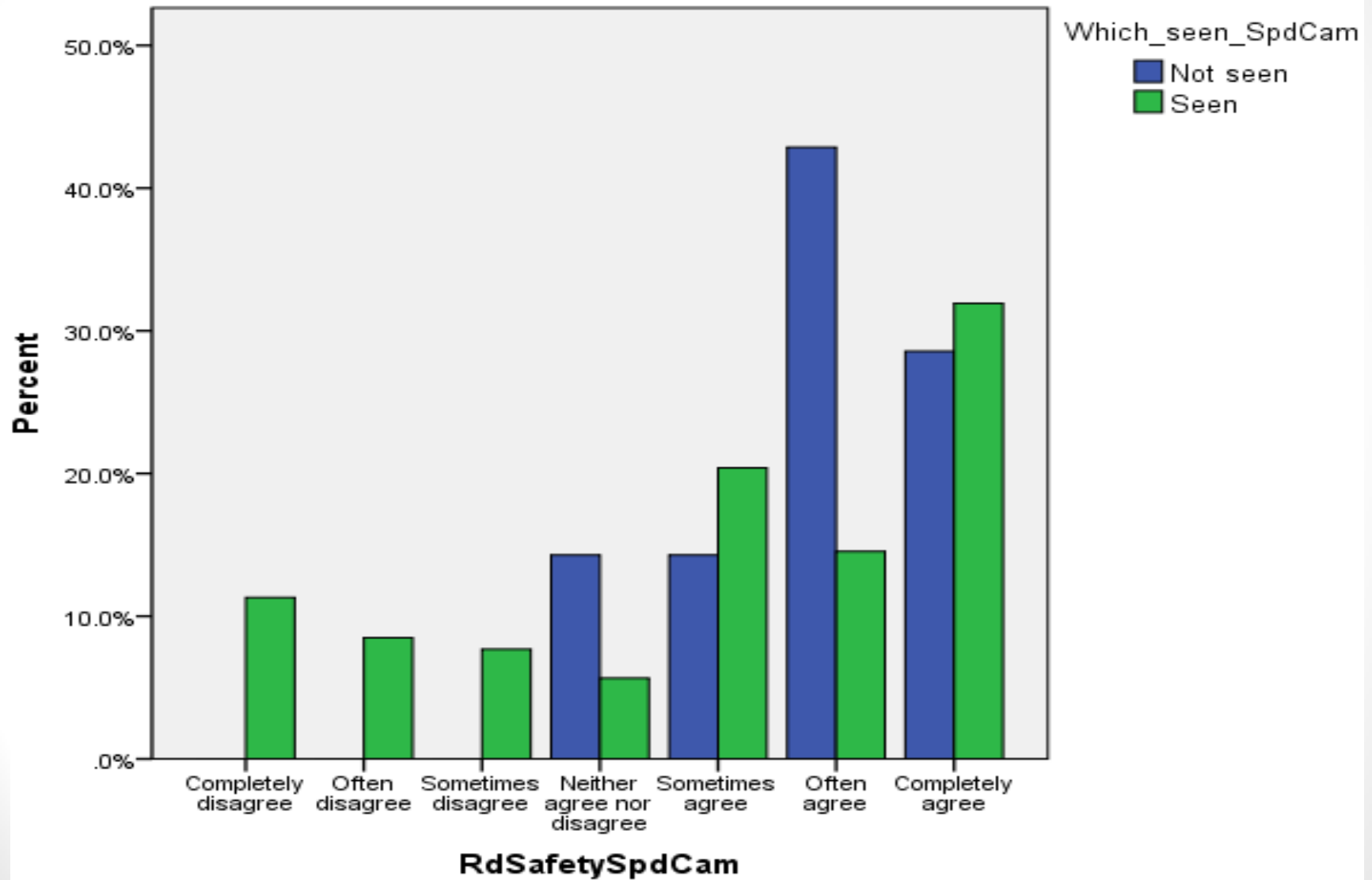
Question: Indicate the extent to which you agree/disagree to the device being used for road safety purposes.

	Your Speed	30mph	Speed Camera Logo	Bend Ahead	Speed Camera	Average Speed Camera
Response	%	%	%	%	%	%
Disagree to some extent	7.4	5.2	9.6	4.8	27.1	23.0
Neither agree nor disagree	5.0	3.6	12.5	2.8	5.8	6.2
Agree to some extent	87.6	91.2	77.9	92.4	67.1	70.8
Total	100	100	100	100	100	100

Results



Results



Results

Question: What in your opinion is the purpose of these devices?(Respondents were asked to select more than one answer)

	Your speed	30mph	Speed camera logo	Bend ahead	Speed camera	Average speed camera
Advise motorists about the speed limit of the road.	233	390	145	29	40	37
Warn of a hazard along the road.	16	54	47	407	13	16
Reduce road accidents.	348	349	312	368	293	288
Encourage drivers to slow down the vehicle.	423	402	428	347	296	305
Record vehicle number plate and speed.	2	2	20	4	390	388
Generate money.	2	0	7	0	251	222
Other (please specify)	7	1	7	0	6	10

Limitations of survey

- Difficulty in translating the results obtained to represent the whole population
- Internet use and the older generation
- Accuracy of responses obtained
- Extent of exposure to speed control devices
- Clarity of questions

Deductions from analyses

- Respondents were knowledgeable (more than 60%) about the mode of operation for most devices.
- Purpose of punitive signs; road safety measure and generate money (*Tay 2010*).
- 1 in 10 expect to receive a fine from 'Speed camera logo'
- 77% of respondents aged less than 24 years (4.4% of respondents) had never had an accident as a driver. (*WHO 2013 Global Status Report*).
- More people indicated their driving speed is always influenced by the punitive signs as opposed to the non-punitive signs.
- No association between people who have had/have not had an accident and the extent to which the devices influence their driving speed.

