



MONASH  
University

# Modelling the potential trauma reductions of automated mobile phone enforcement in NSW

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# Estimated annual benefits

		30% deterrence			40% deterrence		
		Metro	Regional	Total	Metro	Regional	Total
Cas crashes prevented	Fatal	0.29	0.88	1.17	0.39	1.18	1.56
	Serious injury	8.90	8.87	17.78	11.88	11.85	23.73
	Moderate injury	15.22	14.38	29.60	20.32	19.20	39.52
	Minor/other injury	12.39	6.09	18.48	16.53	8.14	24.67
	<b>Casualty crashes</b>	<b>36.80</b>	<b>30.23</b>	<b>67.03</b>	<b>49.12</b>	<b>40.36</b>	<b>89.48</b>
Casualties prevented	Fatalities	0.30	0.96	1.27	0.40	1.28	1.69
	Serious injuries	9.68	10.28	19.95	12.92	13.72	26.64
	Moderate injuries	18.93	19.10	38.02	25.27	25.49	50.76
	Minor/other injuries	18.93	9.67	26.71	22.75	12.91	35.66
	<b>Casualties</b>	<b>45.96</b>	<b>40.00</b>	<b>85.96</b>	<b>61.35</b>	<b>53.40</b>	<b>114.75</b>
Crash \$ saved	Fatal	\$2,223,309	\$7,796,795	\$10,200,103	\$2,967,772	\$10,649,304	\$13,617,076
	Serious injury	\$4,427,089	\$6,089,493	\$10,516,581	\$5,909,476	\$8,129,689	\$14,039,164
	Moderate injury	\$1,269,632	\$1,584,938	\$2,854,570	\$1,694,761	\$2,115,948	\$3,810,709
	Minor/other injury	\$949,647	\$617,132	\$1,566,780	\$1,267,632	\$823,894	\$2,091,525
	<b>Total</b>	<b>\$8,869,676</b>	<b>\$16,268,357</b>	<b>\$25,138,033</b>	<b>\$11,839,640</b>	<b>\$21,718,835</b>	<b>\$33,558,475</b>

# Estimated benefits over 5 years

		30% deterrence		40% deterrence	
		No overt signage	With overt signage	No overt signage	With overt signage
Cas crashes prevented	Fatal	5.86	1.17	7.82	1.56
	Serious injury	88.88	17.78	118.64	23.73
	Moderate injury	148.02	29.60	197.59	39.52
	Minor/other injury	92.41	18.48	123.35	24.67
	<b>Casualty crashes</b>	<b>335.15</b>	<b>67.03</b>	<b>447.41</b>	<b>89.48</b>
Casualties prevented	Fatalities	6.33	1.27	8.45	1.69
	Serious injuries	99.77	19.95	133.19	26.64
	Moderate injuries	190.12	38.02	253.80	50.76
	Minor/other injuries	133.57	26.71	178.30	35.66
	<b>Casualties</b>	<b>429.79</b>	<b>85.96</b>	<b>573.74</b>	<b>114.75</b>
Crash \$ saved	Fatal	\$51,000,515	\$10,200,103	\$68,085,378	\$13,617,076
	Serious injury	\$52,582,906	\$10,516,581	\$70,195,822	\$14,039,164
	Moderate injury	\$14,272,848	\$2,854,570	\$19,053,547	\$3,810,709
	Minor/other injury	\$7,833,898	\$1,566,780	\$10,457,626	\$2,091,525
	<b>Total</b>	<b>\$125,690,167</b>	<b>\$25,138,033</b>	<b>\$167,792,373</b>	<b>\$33,558,475</b>