

APPENDIX

Table A1. Study vehicles with optional automatic emergency braking (AEB)

Class	Make	Model	Model years
2-door car	Honda	Accord 2D	2016
4-door car	Buick	LaCrosse	2014–2015
	Buick	Regal	2014
	Chevrolet	Impala 4D	2014–2015
	Honda	Accord 4D	2016–2017
	Honda	Civic	2016
	Mazda	6	2016
	Subaru	Impreza 4D	2014–2016
	Subaru	Legacy	2013–2016
Luxury car	Acura	RL	2006–2008, 2010–2011
	Acura	TLX	2015
	Audi	A5	2013–2014
	Audi	A6 4D	2016
	Audi	A6 Quattro	2012–2016
	Audi	A7	2012–2016
	Audi	A8	2011–2016
	Audi	RS5	2013
	Audi	RS7	2014
	Audi	S3	2016
	Audi	S5	2013
	Audi	S6	2013, 2015
	Audi	S7	2013–2015
	Cadillac	ATS	2013–2015
	Cadillac	CTS	2014–2015
	Cadillac	XTS	2013–2015
	Mercedes-Benz	CL Class	2007–2010
	Mercedes-Benz	E Class	2010
	Mercedes-Benz	S Class	2007–2010
	Volvo	S80	2008–2010
	Volvo	V70	2008
	Volvo	XC70	2009–2010
SUV	Chevrolet	Suburban	2015
	Chevrolet	Tahoe	2015
	GMC	Yukon	2015
	Honda	Pilot	2016
	Mazda	CX-3	2016
	Mazda	CX-5	2016
	Mazda	CX-9	2016
	Subaru	Forester	2014–2017
Station wagon	Subaru	Impreza SW	2015–2016
	Subaru	Outback	2013–2017
	Subaru	XV Crosstrek	2015–2016
Luxury SUV	Acura	MDX	2010–2012
	Acura	ZDX	2010, 2012
	Audi	Q5 4D	2013
	Audi	SQ5	2014
	Cadillac	Escalade	2015
	Cadillac	SRX	2013–2015
	Volvo	XC60	2010

Table A2. Same-class control vehicles without front crash prevention systems

Class	Make	Model	Model years
2-door car	Dodge	Challenger	2016
	Fiat	500	2016
	Honda	CR-Z hybrid	2016
	Hyundai	Genesis coupe	2016
	Hyundai	Veloster	2016
	Kia	Forte Koup	2016
	Scion	FR-S	2016
	Scion	TC	2016
	Subaru	BRZ	2016
	Toyota	Yaris 3D	2016
	Volkswagen	Beetle	2016
	Volkswagen	Eos	2016
	4-door car	Acura	ILX
Acura		TSX	2013–2014
Buick		LaCrosse	2013
Buick		Regal	2013
Buick		Verano	2013
Chevrolet		Cruze	2013–2016
Chevrolet		Impala 4D	2013
Chevrolet		Impala Limited	2014–2016
Chevrolet		Sonic	2013
Chevrolet		Spark	2013–2015
Chrysler		200 4D	2013–2014
Dodge		Avenger	2013–2014
Dodge		Charger	2015–2016
Dodge		Dart	2013–2016
Ford		Fiesta	2013–2016
Ford		Focus	2013–2016
Honda		Civic	2013–2015
Honda		Insight hybrid	2013–2014
Hyundai		Accent	2013–2017
Hyundai		Azera	2013–2014
Hyundai		Elantra	2013–2017
Hyundai		Sonata	2013–2015
Kia		Cadenza	2014–2016
Kia		Forte 4D	2013–2016
Kia		Optima	2013–2016
Kia		Rio	2013–2017
Mazda		2	2013–2014
Mazda		3	2013
Mazda		6	2013
Mitsubishi		Lancer	2013–2016
Mitsubishi		Mirage	2014–2015, 2017
Nissan		Altima	2013–2015
Nissan		Juke	2013–2017
Nissan		Leaf	2013–2016
Nissan		Maxima	2013–2014
Nissan		Sentra	2013–2015
Nissan		Versa	2013–2017
Subaru		Impreza	2013
Subaru		Impreza WRX	2013–2014
Subaru		WRX	2015–2017

	Suzuki	Kizashi	2013
	Suzuki	SX4	2013
	Toyota	Camry	2013–2014
	Toyota	Corolla	2013–2016
	Toyota	Prius C	2013–2015
	Toyota	Yaris 5D	2013–2016
	Volkswagen	CC	2013–2015
	Volkswagen	E-Golf	2015
	Volkswagen	Golf	2013–2015
	Volkswagen	GTI	2013–2014
	Volkswagen	Jetta	2013–2014
	Volkswagen	Passat	2013–2015
Luxury car	Acura	TL	2006, 2012–2014
	Audi	A4	2006–2011
	Audi	A4 Allroad	2016
	Audi	A5	2008, 2016
	Audi	A6 4D	2006–2007, 2009–2015
	Audi	A6 Avant Quattro	2006–2007, 2009–2010
	Audi	A6 Quattro	2006–2007, 2009–2011
	Audi	A8	2006–2010
	Audi	RS4	2007–2008
	Audi	S4	2006–2008
	Audi	S5	2008
	Audi	S6	2007, 2009–2010
	Audi	S8	2007–2009
	Bentley	Azure	2008
	Bentley	Continental	2006–2016
	Bentley	Mulsanne	2013
	BMW	1 Series	2008–2013
	BMW	3 series	2006–2016
	BMW	5 series	2006–2010
	BMW	6 series	2006–2010
	BMW	7 series	2006–2008, 2011
	BMW	M3	2006, 2008–2013
	BMW	M5	2006–2010
	BMW	M6	2006–2010, 2012
	Cadillac	CTS	2006–2014
	Cadillac	CTS-V	2006–2007, 2009–2015
	Cadillac	DTS	2006–2010
	Cadillac	STS	2006–2010
	Cadillac	STS-V	2006–2009
	Ferrari	612 Scaglietti 2D	2008
	Fisker	Karma	2012
	Hyundai	Genesis 4D	2009–2014
	Infiniti	G25	2011–2012
	Infiniti	G35	2006–2008
	Infiniti	G37	2008–2013
	Infiniti	M35	2006–2010
	Infiniti	M45	2006–2010
	Infiniti	Q40	2015
	Infiniti	Q45	2006
	Infiniti	Q60	2014–2015
	Jaguar	F-TYPE	2014–2016
	Jaguar	XJ	2006–2009
	Jaguar	XJ8	2006–2009
	Jaguar	X-TYPE	2006–2008

	Lexus	ES 330	2006
	Lexus	ES 350	2007–2012
	Lexus	IS 250	2006–2013
	Lexus	IS 350	2006–2013
	Lincoln	LS	2006
	Lincoln	MKS	2009
	Lincoln	MKZ	2006–2012
	Lincoln	Town Car	2006–2011
	Maserati	Ghibli	2014–2016
	Maserati	Quattroporte	2006–2016
	Mercedes-Benz	C Class	2005–2007, 2011–2012
	Mercedes-Benz	CLK Class	2006–2007
	Mercedes-Benz	E Class	2003, 2006–2007
	Mercedes-Benz	SLS Class	2012
	Rolls Royce	Phantom	2006–2009
	Saab	9-3	2006–2011
	Saab	9-5	2006–2011
	Tesla	Model S	2012–2014
	Volkswagen	Phaeton	2006
	Volvo	C70	2006–2013
	Volvo	S60	2006–2009
	Volvo	S80	2006
	Volvo	V70	2006–2007
	Volvo	XC70	2006–2007
SUV	Chevrolet	Captiva	2014–2015
	Chevrolet	Suburban	2014
	Chevrolet	Tahoe	2014
	Chevrolet	Trax	2015–2016
	Dodge	Journey	2014–2017
	Ford	Escape	2014–2016
	Ford	Expedition	2014–2017
	GMC	Yukon	2014
	Honda	CR-V	2014
	Honda	HR-V	2016–2017
	Honda	Pilot	2014–2015
	Hyundai	Santa Fe	2014–2016
	Hyundai	Tucson	2014–2015
	Jeep	Compass	2014–2017
	Jeep	Patriot	2014–2017
	Jeep	Wrangler	2014–2017
	Kia	Sorento	2014–2015
	Kia	Sportage	2014–2016
	Mazda	CX-9	2014–2015
	Mitsubishi	Outlander	2014–2016
	Nissan	Armada	2014–2015
	Nissan	Murano	2014
	Nissan	Pathfinder	2014–2016
	Nissan	Rogue	2014–2015
	Nissan	Xterra	2014–2015
	Subaru	B9 Tribeca	2014
	Toyota	4Runner	2014–2016
	Toyota	FJ Cruiser	2014
	Toyota	RAV4	2014–2015
	Toyota	Sequoia	2014–2016
	Toyota	Venza	2014–2015
	Volkswagen	Tiguan	2014–2017

Luxury SUV	Volkswagen	Touareg	2014
	Acura	RDX	2011–2015
	Audi	Q3	2015
	Audi	Q5 4D	2010
	Audi	Q5 Hybrid	2013–2015
	BMW	X1	2013–2015
	BMW	X3	2013–2015
	BMW	X5	2010–2013
	BMW	X6	2010–2014
	Cadillac	Escalade	2010–2014
	Cadillac	SRX	2010–2012
	Infiniti	QX56	2010
	Land Rover	LR2	2010–2015
	Land Rover	LR4	2010–2013
	Land Rover	Range Rover	2012–2013
	Lexus	RX 350	2010–2013
	Lexus	RX 450H	2010–2013
	Lincoln	MKT	2012–2015
	Lincoln	MKX	2010
	Lincoln	Navigator	2010–2015
	Mercedes-Benz	G Class	2011–2012
	Mercedes-Benz	GL Class	2011–2012
	Mercedes-Benz	GLK Class	2011–2012
	Mercedes-Benz	M Class hybrid	2011
	Mercedes-Benz	R Class	2011–2012
	Porsche	Cayenne	2010
	Saab	9-4X	2011
	Toyota	Land Cruiser	2010–2011
	Volvo	XC90	2010–2014

Table A3. Striking vehicle actions among vehicles with and without automatic emergency braking (AEB) that were not slowing or stopped

Striking vehicle action	Proportions			Logistic regression model results	
	Vehicles with AEB n=877	Same-model control vehicles n=9,202	Same-class control vehicles n=191,966	Odds ratio using same-model control (95% CI)	Odds ratio using same-class control (95% CI)
Moving straight	82.3	86.6	87.6	1.00	1.00
Turning	8.6	4.4	4.7	2.30 (1.72, 3.08)	1.83 (1.43, 2.35)
Changing lanes	1.7	2.2	2.2	0.81 (0.45, 1.45)	0.79 (0.47, 1.32)
Merging or passing	1.4	1.0	0.9	1.67 (0.86, 3.29)	1.49 (0.83, 2.67)
Other	6.0	5.7	4.6	1.07 (0.77, 1.51)	1.22 (0.91, 1.63)

Note: CI=confidence interval. Statistically significant values are bolded.

Table A4. Struck vehicle actions among striking vehicles with and without automatic emergency braking (AEB) that were moving straight, slowing, or stopped

Struck vehicle action	Proportions			Logistic regression model results	
	Vehicles with AEB n=698	Same-model control vehicles n=7,495	Same-class control vehicles n=159,524	Odds ratio using same-model control (95% CI)	Odds ratio using same-class control (95% CI)
Slowing or stopped	71.9	72.6	72.1	1.00	1.00
Moving straight	18.8	20.5	21.0	0.90 (0.72, 1.13)	0.91 (0.74, 1.11)
Turning	5.0	3.6	3.8	1.39 (0.93, 2.09)	1.38 (0.97, 1.96)
Changing lanes	2.0	0.9	0.9	2.22 (1.16, 4.27)	2.16 (1.25, 3.75)
Merging or passing	0.4	0.3	0.3	0.75 (0.17, 3.35)	1.13 (0.34, 3.76)
Other	1.9	2.0	1.8	0.97 (0.52, 1.79)	1.07 (0.61, 1.87)

Note: CI=confidence interval. Statistically significant values are bolded.