

APPENDIX

Table A. Injury distribution: initial, impairment (PMI 1+) and severe impairment (PMI 10+) divided by body region and impact direction

Body Region	Frontal	Side total	Near-side	Far-side	Rear	Rollover	Other/Unknown
	Initial/PMI1+/ 10+(%)	Initial/PMI1+/ 10+ (%)	Initial/PMI1+/ 10+ (%)	Initial/PMI1+/ 10+ (%)	Initial/PMI1+/ 10+(%)	Initial/PMI1+/ 10+(%)	Initial/PMI1+/ 10+(%)
Head	2.9/4.4/21.7	4.3/5.2/27.1	4.7/5.4/26.7	3.6/4.1/22.7	1.9/0.7/2.2	5.4/7.5/29.8	3.5/5.2/27.9
C. Spine	33.3/53.7/57.9	32.7/58.1/51.4	32.0/57.1/57.8	35.3/63.2/45.5	66.2/88.6/95.7	23.7/42.7/42.1	32.4/49.3/55.8
Face	2.0/1.7/3.2	1.5/1.5/4.3	1.4/1.1/2.2	1.3/2.1/9.1	0.4/0.1/0	2.1/1.9/1.8	1.9/1.6/0
U. Extr.	3.2/9.1/2.7	2.4/7.1/2.9	2.2/7.9/2.2	2.5/4.7/4.5	0.4/0.9/0.4	4.8/15.0/5.3	3.3/10.2/7.0
L. Extr.	2.4/12.8/8.6	1.8/11.3/8.6	1.9/11.1/6.7	1.7/9.8/9.1	0.2/0.4/0	2.2/10.2/5.3	2.7/11.2/7.0
Thorax	3.0/1.3/0.5	2.8/1.0/1.4	2.9/1.1/2.2	2.9/0.5/0	0.3/0.1/0	4.1/1.2/0	3.0/1.0/0
Th. Spine	6.5/4.3/0.9	6.5/2.7/1.4	6.5/2.7/0	7.2/3.1/4.5	10.4/3.5/0.4	6.3/6.3/7.0	7.4/5.5/0
Abdomen	0.3/0.2/0	0.3/0.2/1.4	0.3/0.3/2.2	0.3/0/0	0/0/0	0.4/0.2/0	0.3/0.3/0
L. Spine	7.5/6.5/2.7	7.5/5.2/1.4	7.2/5.2/0	8.0/4.7/4.5	7.5/3.6/0.9	8.1/9.7/8.8	8.9/9.1/0
External	38.8/6.0/1.8	40.2/7.7/0	40.9/8.2/0	37.1/7.8/0	12.7/2.1/0.4	42.7/5.1/0	36.6/6.5/2.3
Total	100/100/100	100/100/100	100/100/100	100/100/100	100/100/100	100/100/100	100/100/100

Table B. Number of spine fractures initially and leading to PMI 1+

Impact Direction	Cervical Spine	Thoracic Spine	Lumbar Spine	Total
	(Initial injuries/PMI1+)	(Initial injuries/PMI1+)	(Initial injuries/PMI1+)	(Initial injuries/PMI1+)
	N (%)	N (%)	N (%)	N(%)
Frontal	86/51 (59)	58/21 (36)	97/43 (44)	241/115(48)
Side	25/12 (48)	11/6 (54)	18/8 (44)	54/26(48)
Near-side	16/7 (44)	7/3 (43)	10/5 (50)	33/15(45)
Far-side	9/5 (56)	4/3 (75)	7/3(43)	20/11(55)
Rear	13/10 (77)	13/5(38)	10/2(20)	36/17(47)
Rollover	40/22 (55)	39/17(44)	47/23(49)	126/62(49)
Unknown	17/5(29)	15/8(53)	39/22(56)	71/35(49)
Total	181/100(55)	136/57(42)	211/98(46)	528/255(48)