



Accident status resulting from reversing vehicle

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Pedestrian Accidents resulting from reversing vehicles (2010~2014)

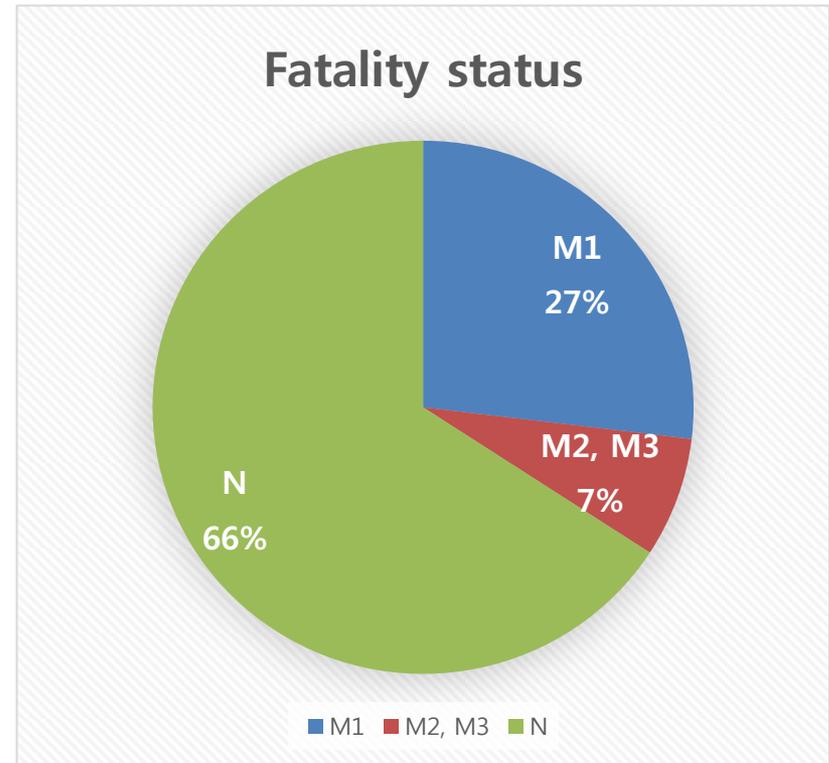
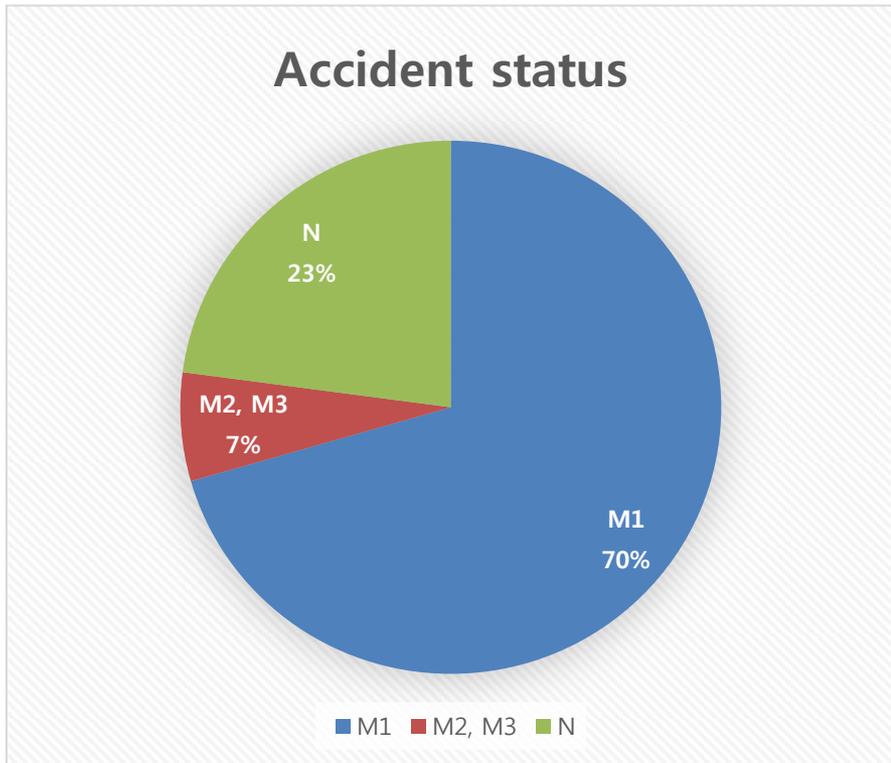
◆ Accident data (based on Police Agency)

	Number of accidents		Fatalities		Injured		Fatality rate (%)
	Number	Rate(%)	Number	Rate(%)	Number	Rate(%)	
M1	13,067	70.5	85	26.9	13,880	71.9	0.7
M2, M3	1,218	6.6	23	7.3	1,248	6.5	1.9
N	4,242	22.9	208	65.8	4,180	21.6	12.3
Total	18,527	100.0	316	100.0	19,308	100.0	1.7

* Source : Korean National Police Agency

Pedestrian Accidents resulting from reversing vehicles (2010~2014)

◆ Accident and Fatality rate (based on Police Agency)



* Source : Korean National Police Agency

Pedestrian Accidents resulting from reversing vehicles (2010~2014)

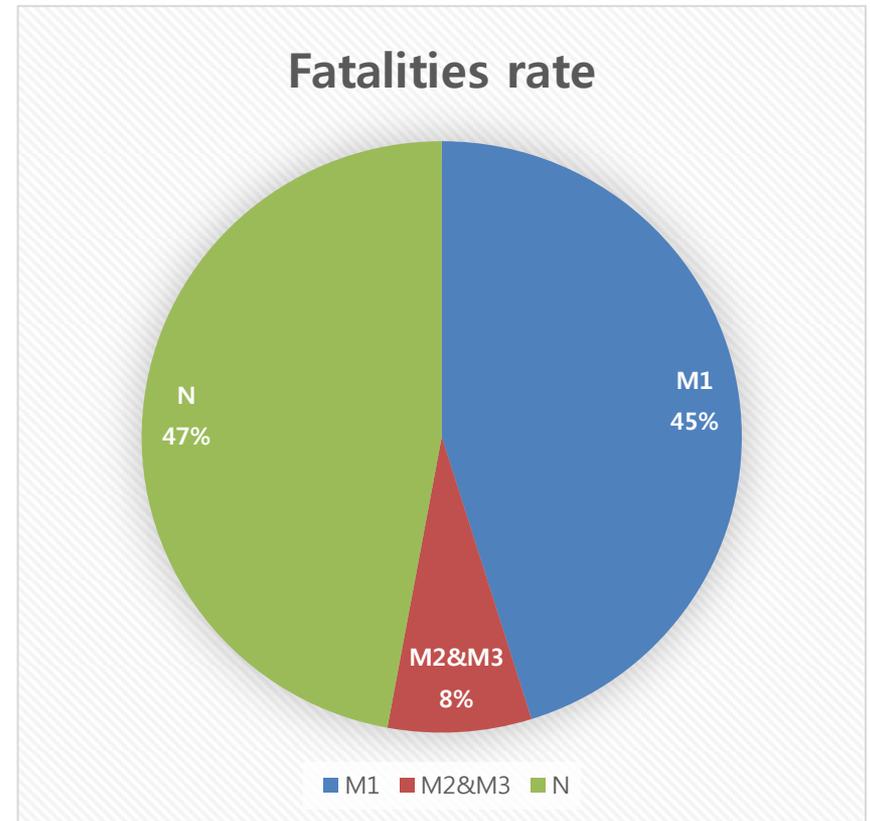
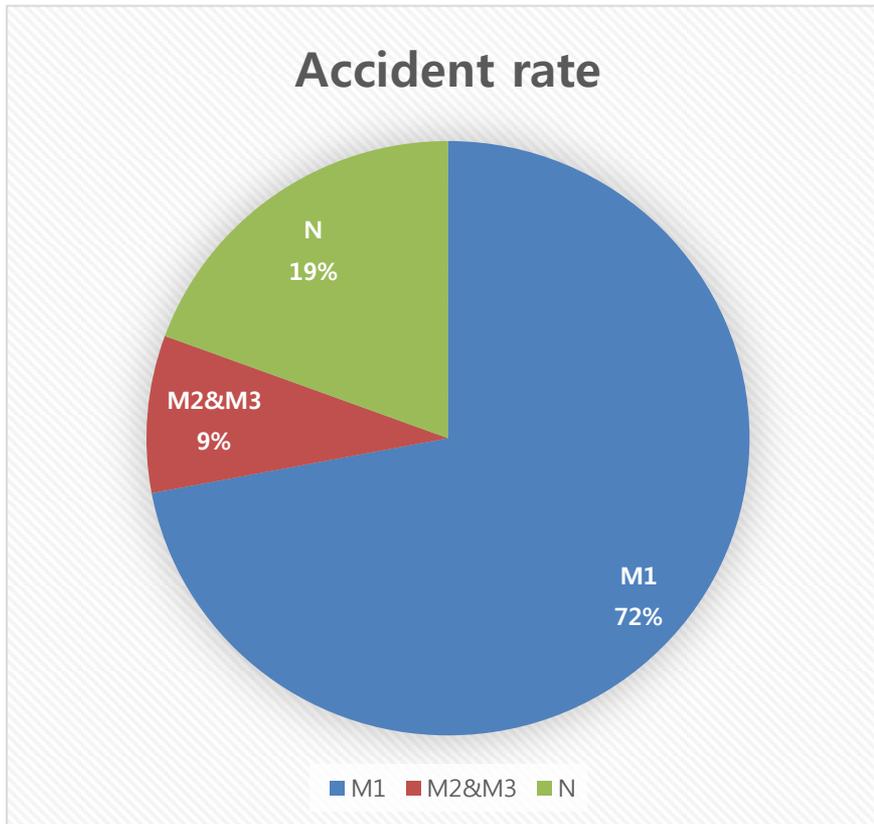
◆ Accidents data (based on Samsung Insurance co.,ltd)

	Number of accidents		Fatalities		Injured persons		Fatality rate (%)
	Number	Rate(%)	Number	Rate(%)	Number	Rate(%)	
M1	20,148	72.0	70	45.2	19,657	72.0	0.3
M2, M3	2,391	8.5	12	7.7	2,346	8.6	0.5
N	5,429	19.4	73	47.1	5,282	19.4	1.3
Total	27,968	100	155	100	27,285	100	2.1

* Source : Samsung Fire&Marine Insurance co.,ltd

Pedestrian Accidents resulting from reversing vehicles (2010~2014)

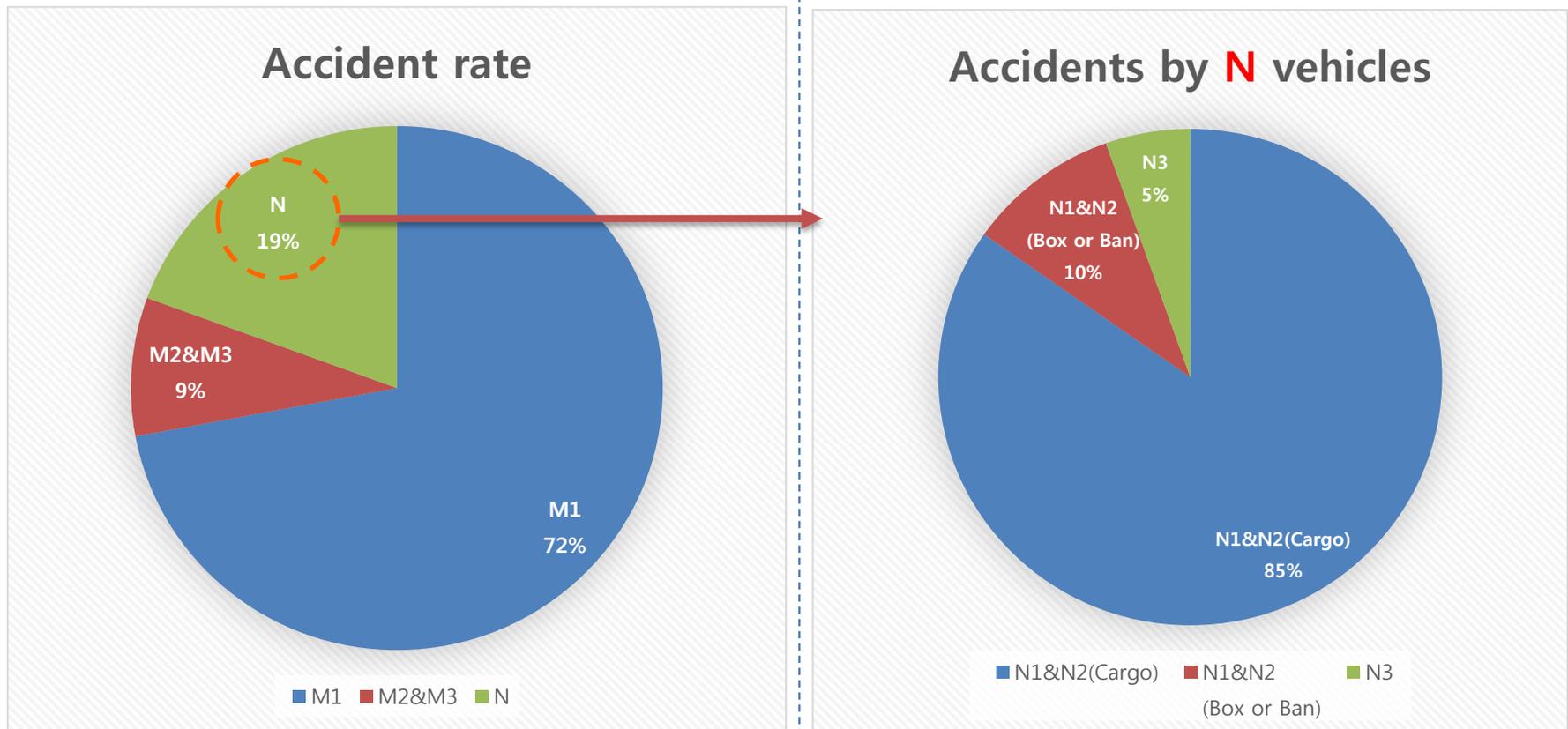
◆ Accident and Fatality rate (based on Samsung Fire&Marine Insurance co.,ltd)



* Source : Samsung Fire&Marine Insurance co.,ltd

Pedestrian Accidents resulting from reversing vehicles (2010~2014)

◆ Accident rate resulting from reversing vehicle



* Source : Samsung Fire&Marine Insurance co.,ltd

Pedestrian Accidents resulting from reversing vehicles (2010~2014)

◆ Fatalities status resulting from their Family

Time		Driver age		Age of Fatalities		Category		Relation	
Day or night	Number	Age	Number	Age	Number	Category	Number	Relation	Num
Daytime	8	31~40	6	2	4	M1	9	Children	6
		41~50	2	3	1				
Night time	6	51~60	3	4	1	M2, M3	2	Mate	3
		61~64	1	58	1				
		65 ~	2	65 ~	7	N	3	Parents	5

* Source : Samsung Fire&Marine Insurance co.,ltd

➤ 14 person died by their family and it is 9% of all fatalities .

Conclusions

◆ Conclusions

1. M1 vehicles cause the largest number of backup collisions, follow by N vehicles.
2. N vehicles cause the largest number of fatalities.
3. Among N vehicles, N1 and N2 vehicles cause the largest number of fatalities.

◆ Opinions

1. All vehicles should have safety device for moving backward.
2. There are several kinds of safety device like rearview camera, reversing alarm and parking sensor. So, at least one safety device should be installed for moving backward.



국토교통부
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Korea Transportation Safety Authority

Thank you for your attention!

