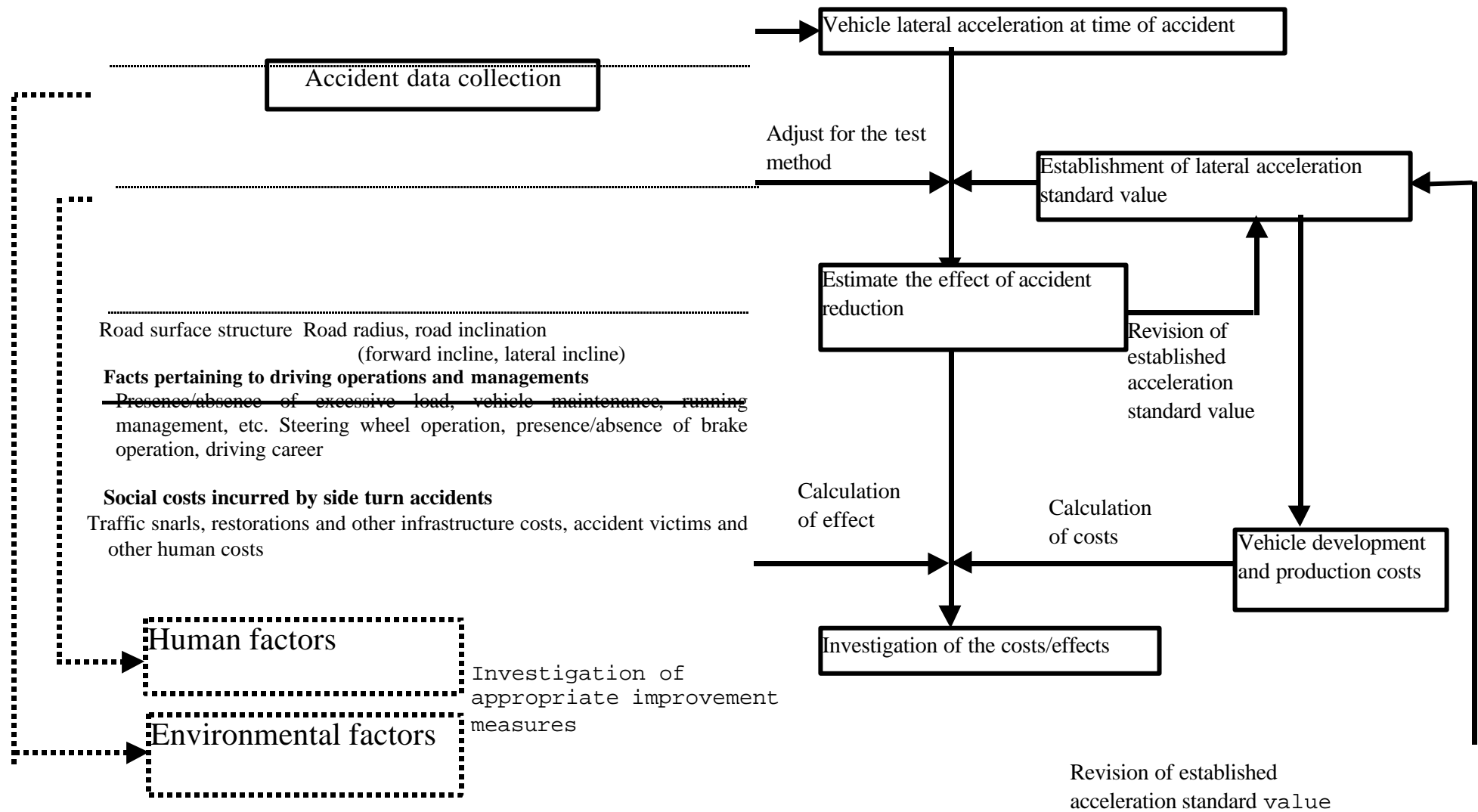


Method of analysis for Japanese accidents and data

Submitted by Japan

Since it was decided at the special GRRF held in December of 1999 that data on Rollover accidents shall be presented, Japan's outlook and accident data are submitted herein.



Data on Rollover accidents

Item		1	2	3		
Facts pertaining to accident conditions	Rollover configuration	after passing	left curving	left curving		
	Vehicle speed(km/h)	60	51	40		
	Road radius	straight				
	Radius of tire marks on road					
	Brake application method					
	Length of tire marks on road					
Facts pertaining to vehicle in accident	Vehicle specification	Vehicle model	U-FE437F	W-CK610BNT TF1591	P-FP410DR TF1591	
		Rear body configuration				
	Vehicle condition	Gross weight at time of accident(kg)	2000(loading weight)	9987(loading weight)	13000 (loading weight)	
		Loading position				
		Height of gravity center at the time of accidents				
Facts pertaining to the road surface	Road surface condition	Pavement condition and weather	freezing snow	wet rain	dry fine	
		Road radius				
	Road surface structure	road inclination	forward incline	even	down	down
			lateral incline	track		
Facts pertaining to driving operations and managements	Presence/absence of excessive load		absence	absence	absence	
	vehicle maintenance		no trouble	no trouble	no trouble	
	running management, etc					
	Steering wheel operation		not good	over speeded	over speeded	
	Presence/absence of brake operation					
	Driving career (years)		17	5.3	30.3	
Social costs incurred by rollover accidents	Traffic snarls					
	Restorations and other infrastructure costs					
	Accident victims and other human costs		minor injury 1	serious injury 1	serious injury 1	

Data on Rollover accidents

Item		4	5	6		
Facts pertaining to accident conditions	Rollover configuration		left curving	left curving	left curving	
	Vehicle speed(km/h)		55	50	40	
	Road radius					
	Radius of tire marks on road					
	Brake application method					
	Length of tire marks on road					
Facts pertaining to vehicle in accident	Vehicle specification	Vehicle model	KC-FP410DR HT2552	KC-SS3VJCA P239D	W-CK620BNT TF1591	
		Rear body configuration				
	Vehicle condition	Gross weight at time of accident(kg)	20000 (loading weight)	20010 (loading weight)	27000 (loading weight)	
		Loading position				
		Height of gravity center at the time of accidents				
Facts pertaining to the road surface	Road surface condition	Pavement condition and weather		dry cloudy	wet cloudy	dry fine
		Road radius				
	Road surface structure	road inclination	forward incline	up	even	down
			lateral incline			
Facts pertaining to driving operations and managements	Presence/absence of excessive load		absence	presence (max.17750kg)	presence (max.19250kg)	
	vehicle maintenance		no trouble	no trouble	no trouble	
	running management, etc					
	Steering wheel operation		over speeded	over speeded	not good	
	Presence/absence of brake operation					
	Driving career (years)		2	7.4	0.2	
Social costs incurred by rollover accidents	Traffic snarls					
	Restorations and other infrastructure costs					
	Accident victims and other human costs		minor injury 1	serious injury 1 minor injury 1	minor injury 1	

Data on Rollover accidents

Item		7	8	9		
Facts pertaining to accident conditions	Rollover configuration		left curving	left curving (passing) gale		
	Vehicle speed(km/h)		60	50		
	Road radius					
	Radius of tire marks on road					
	Brake application method					
	Length of tire marks on road					
Facts pertaining to vehicle in accident	Vehicle specification	Vehicle model	KC-SS3VJCA TF28H8C2 conv	KC-CK551BNT CT220D	U-FK516S	
		Rear body configuration				
	Vehicle condition	Gross weight at time of accident(kg)	20000 (loading weight)	17000 (loading weight)	0 (loading weight)	
		Loading position				
		Height of gravity center at the time of accidents				
Facts pertaining to the road surface	Road surface condition	Pavement condition and weather		wet rainy	dry fine	wet cloudy
		Road radius				
	Road surface structure	road inclination	forward incline	up	up	even
			lateral incline			
Facts pertaining to driving operations and managements	Presence/absence of excessive load		absence	absence	absence	
	vehicle maintenance		no trouble	no trouble	no trouble	
	running management, etc					
	Steering wheel operation		over speeded			
	Presence/absence of brake operation					
	Driving career (years)		7	21.5	2.9	
Social costs incurred by side turn accidents	Traffic snarls					
	Restorations and other infrastructure costs					
	Accident victims and other human costs					

Data on Rollover accidents

Item		10	11	12		
Facts pertaining to accident conditions	Rollover configuration		left curving	left curving	curving	
	Vehicle speed(km/h)		60	28		
	Road radius					
	Radius of tire marks on road					
	Brake application method					
	Length of tire marks on road					
Facts pertaining to vehicle in accident	Vehicle specification	Vehicle model		P-FV415JR TF242-1	P-RR170BA	U-CM88KE
		Rear body configuration				
	Vehicle condition	Gross weight at time of accident(kg)		30400 (loading weight)		2500 (loading weight)
		Loading position				
		Height of gravity center at the time of accidents				
Facts pertaining to the road surface	Road surface condition	Pavement condition and weather		wet rainy	dry fine	wet rainy
		Road radius				
	Road surface structure	road inclination	forward incline	down	up	down
			lateral incline			
Facts pertaining to driving operations and managements	Presence/absence of excessive load		presence (max.30400kg)	absence	absence	
	vehicle maintenance		no trouble	no trouble	no trouble	
	running management, etc					
	Steering wheel operation		over speeded	over speeded	careless	
	Presence/absence of brake operation					
	Driving career (years)		7.9	0.2	5.5	
Social costs incurred by rollover accidents	Traffic snarls					
	Restorations and other infrastructure costs					
	Accident victims and other human costs		death 1	serious injury 1 minor injury 16	death 1	

Data on Rollover accidents

Item		13	14	15		
Facts pertaining to accident conditions	Rollover configuration		left curving	right turning	left curving	
	Vehicle speed(km/h)				100	
	Road radius					
	Radius of tire marks on road					
	Brake application method					
	Length of tire marks on road					
Facts pertaining to vehicle in accident	Vehicle specification	Vehicle model	W-CR610BAT ST20SA conv	KC-CK551BHT FKC220A	KC-SS1FJCA TF40337	
		Rear body configuration				
	Vehicle condition	Gross weight at time of accident(kg)	15000 (loading weight)	20000 (loading weight)	37030 (loading weight)	
		Loading position				
		Height of gravity center at the time of accidents				
Facts pertaining to the road surface	Road surface condition	Pavement condition and weather		dry cloudy	wet rainy	dry fine
		Road radius				
	Road surface structure	road inclination	forward incline	even	down	down
			lateral incline			
Facts pertaining to driving operations and managements	Presence/absence of excessive load		absence	absence	absence	
	vehicle maintenance		no trouble	no trouble	no trouble	
	running management, etc					
	Steering wheel operation				over speeded	
	Presence/absence of brake operation					
	Driving career (years)					
Social costs incurred by rollover accidents	Traffic snarls					
	Restorations and other infrastructure costs					
	Accident victims and other human costs		death 1	death 1	death 1	