

Table 1- Fatal and Serious Door-Ejection Injuries by Type of Crash
 Annual Averages, 1994-1999 NASS-CDS

Crash Type	Ejection		Ejection	
	Fatal Injury	Serious Injury	Fatal Injury	Serious Injury
Non-Rollover	958.09	705.65	113.71	47.98
Rollover	578.45	1172.84	17.57	49.34
Rounded Total	1537	1878	131	97

Table 2- Fatal and Serious Door-Ejection Injuries by Belt Use
 Annual Averages, 1994-1999 NASS-CDS

Ejection Status	Belted Occ	Unbelted Occ	Total
Com Ejection	164.82	3250.20	3415.02
Part Ejection	51.59	177.01	228.61
Rounded Total	216	3427	3644

Table 3 - Weighted Annual Percentage of Door Openings by
 Vehicle Body Type, 1994-1999 NASS

Vehicle Type	Left Front Door	Right Front Door	Left Second Door	Right Second Door	Side Sliding or Cargo Door	Back Hatch or Tailgate	Back Cargo Door
Car: Hatchback	1.183 %	0.275 %	0.841 %	0.938 %	NA	6.356 %	NA
Car: Station Wagon	0.793 %	0.108 %	0.979 %	0.194 %	NA	0.695 %	NA
Other Light Vehicle	0.0 %	0.0 %	0.0 %	0.0 %	NA	0.0 %	NA
Utility: Compact	0.176 %	0.158 %	0.169 %	0.052%	NA	1.020 %	NA
Utility: Large	0.017 %	0.010 %	0.229 %	0.0 %	NA	NA	45.821 %
Utility: Station Wagon	0.429 %	0.155 %	0.0 %	0.0 %	NA	0.377 %	NA
Van: Minivan	1.9 %	0.055 %	NA	NA	0.665 %	1.337 %	NA
Van: Large	9.484 %	0.0 %	NA	NA	0.0 %	NA	0.0 %
Averages	1.748 %	0.095 %	0.370 %	0.197 %	0.333 %	1.631 %	22.910 %

Safety Problem Update

National Highway Traffic Safety
Administration

April 2-3, 2003

Overview

- 1994 to 1999 NASS and FARS Annual Estimates
 - Annually, complete and partial ejections cause 9,864 fatalities & 9,767 serious injuries
 - Door Ejections second leading cause of ejection
 - 19 percent (1,668) of ejection fatalities
 - 22 percent (1,976) of ejection serious injuries
 - **3,644 AIS 3+ door ejection injuries each year**

Door Ejections/Openings

- **94 %** of door ejection serious injures and fatalities involve **unbelted occupants**
- **Hinged Side door openings** account for 90 % of door ejection fatalities and 93 % of ejection serious injuries
- **Back cargo doors** have the highest average opening rates (about 23) compared to all other doors.
- The **left front and back hatch/tailgate** doors are the next most likely to open inadvertently
- This is followed by the left second door, side sliding/cargo door, right second door and the right front door