
even three times as high (see tables), while the rates in other vehicles were much lower.

Large cars and minivans dominate among vehicle models with very low death rates. The models with the highest rates are mostly small cars and small and midsize SUVs, many of which also have high rates of death in singlevehicle rollover crashes. The model with the highest death rate of all - the two-door, two-wheel-drive Chevrolet Blazer with 308 driver deaths per million registered years - also had the highest rollover death rate ( 251 per million).
"Many of these general patterns of death rates have been consistent since the Institute began computing the rates by vehicle make and model in the late 1980s," says Institute chief operating officer Adrian Lund (see Status Report, Nov. 25, 1989). "Since then there also has been a pattern of improvement. In the late 1980s the overall driver death rate was higher than 100 . The latest overall rate was 87 ."


Vehicle body style, size, and fatality risk: Important characteristics of vehicles that influence their driver death rates are type, body style, size, and weight. Within virtually every group of vehicles, the smaller and lighter models have the higher rates (see table, facing page).

Among cars, for example, the smallest twodoor models had the highest death rate at 190 per million vehicle years. This rate is more than twice as high as the average for all vehicles included in the study.

Midsize sports cars also had a high rate at 133 driver deaths per million vehicle years.

This was higher than for either small or mini sports cars, so this type of vehicle was an exception to the general rule that bigger means lower death rates.

The vehicle group with the lowest driver death rate was large luxury cars with 37 deaths per million vehicle years. The next lowest rate was in large minivans and station wagons with 42 deaths per million.

Vehicle weight and the risk of death: Because vehicle size and weight are so closely related, it shouldn't be surprising that their effects on driver death rates are similar. In each group (cars, SUVs, pickups) the heavier
vehicles, like bigger ones, generally had lower death rates (see table, p.7). The rate in the lightest SUVs, for example, was more than twice as high as in the heaviest SUVs.
"Pound for pound across the vehicle types, cars almost always have lower death rates than either pickups or SUVs. This generally is because the SUVs and pickups have much higher rates of death in single-vehicle rollover crashes," Lund explains.

In some weight groups, the death rates in cars were dramatically lower. For example, the rate in cars weighing 3,501 to 4,000 pounds was about half of the rates in pickups or SUVs of

## MODELS WITH HIGHEST $\&$ LOWEST DEATH RATES

| Mercedes E class | luxury car | large |
| ---: | ---: | ---: |
| Toyota 4Runner | 4WD SUV | midssize |
| Volkswagen Passat | 4dr car | midssize |
| Lexus RX 300 | 4WD SUV | midssize |
| Toyota RAV4 | 4WD SUV | small |
| Honda Odyssey | minivan | large |
| Mercury Villager | minivan | large |
| Mercedes S class | luxury car | very large |
| Nissan Pathfinder | 4WD SUV | midssize |
| Cadillac DeVille | luxury car | large |
| Nissan Quest | minivan | large |
| Toyota Camry Solara | 2dr car | midssize |
| Cadillac Eldorado | luxury car | large |


| overall | $\mathrm{mv} / \mathrm{sv} / \mathrm{roll}$ |  |  |
| :---: | ---: | ---: | ---: |
| $\mathbf{1 0}$ | 7 | 3 | 0 |
| $\mathbf{1 2}$ | 6 | 6 | 6 |
| $\mathbf{1 6}$ | 0 | 18 | 13 |
| $\mathbf{1 7}$ | 11 | 5 | 0 |
| $\mathbf{1 8}$ | 12 | 6 | 0 |
| $\mathbf{1 9}$ | 16 | 2 | 1 |
| $\mathbf{2 1}$ | 7 | 15 | 7 |
| $\mathbf{2 5}$ | 15 | 10 | 0 |
| $\mathbf{2 5}$ | 8 | 17 | 4 |
| $\mathbf{2 6}$ | 12 | 14 | 4 |
| $\mathbf{2 6}$ | 23 | 0 | 0 |
| $\mathbf{2 7}$ | 10 | 16 | 11 |
| $\mathbf{2 9}$ | 12 | 17 | 6 |

HIGHEST RATES OF DRIVER DEATH
More than 160 driver deaths per million registered years, 1999-2002 models during calendar years 2000-03

| Chevrolet Blazer 2dr | 2WD SUV | midsize | overall mv / sv / roll |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 308 | 54 | 274 | 251 |
| Mitsubishi Mirage | 2 dr car | small | 209 | 142 | 69 | 37 |
| Pontiac Firebird | sports car | midsize | 205 | 42 | 167 | 71 |
| Kia Rio | 4dr car | mini | 200 | 95 | 109 | 64 |
| Kia Sportage 4dr | 2WD SUV | small | 197 | 65 | 138 | 88 |
| Chevrolet Blazer 4dr | 2WD SUV | midsize | 190 | 78 | 113 | 79 |
| Ford Explorer 2dr | 2WD SUV | midsize | 187 | 52 | 145 | 122 |
| Chevrolet Camaro | sports car | midsize | 186 | 62 | 123 | 63 |
| Mazda B series | 2WD pickup | small | 185 | 67 | 124 | 88 |
| Chevrolet Tracker | 4WD SUV | small | 183 | 86 | 98 | 80 |
| Chevrolet S10 | 2WD pickup | small | 182 | 81 | 101 | 61 |
| Chevrolet Cavalier | 2 dr car | small | 168 | 90 | 76 | 49 |
| Chevrolet Cavalier | 4dr car | small | 162 | 83 | 81 | 44 |
| Kia Sportage 4dr | 4WD SUV | small | 162 | 51 | 119 | 100 |


similar weight. The exception was light pickups, which had relatively low rates compared with cars or SUVs weighing about the same.
"There's no ready explanation for this exception," Lund says. "It probably has something to do with how light pickups are driven and their use patterns compared with larger and heavier pickups."

Rates differ among similar vehicles: Besides these broad death rate differences across vehicle groups, the rates varied within body style and size groups. In almost every size group of two-door and four-door cars, for example, the death rate for the worst vehicle
was at least twice as high as the rate for the best vehicle (see tables, pp.4-5).

Consider the Infiniti G20's rate of 46 deaths per million registered years, which was much lower than rates for other small four-door cars. The Chevrolet Cavalier's rate was 162 per million, and the Pontiac Sunfire's was 160. The upper confidence bound for the G20's death rate is well below the lower confidence bounds for the other two cars.
"This means that the lower death rate for the G20 wasn't due to chance," Lund says. A more extreme example involves midsize four-wheel-drive SUVs. The (continues on p.6)

BODY STYLE AND SIZE
Driver death rates by size and body style group

| overall | mv / sv / roll |  |  | CARS |
| :---: | :---: | :---: | :---: | :---: |
| 148 | 94 | 53 | 26 | FOUR-DOOR |
| 110 | 65 | 43 | 22 | small |
| 76 | 43 | 32 | 15 | midsize |
| 79 | 48 | 29 | 12 | large |
| 71 | 43 | 30 | 12 | very large |
| 190 | 116 | 75 | 40 | TWO-DOOR mini |
| 130 | 62 | 67 | 39 | small |
| 94 | 42 | 52 | 30 | midsize |
| 75 | 37 | 38 | 19 | large |
| 86 | 46 | 38 | 19 | SPORTS |
| 61 | 25 | 35 | 14 | small |
| 133 | 48 | 85 | 42 | midsize |
| 41 | 20 | 20 | 11 | LUXURY midsize |
| 37 | 19 | 19 | 7 | large |
| 47 | 26 | 20 | 7 | very large |
| 115 | 60 | 54 | 28 | SPECIALTY <br> small |
|  |  |  |  | MINIVANS AND STATION WAGONS |
| 65 | 49 | 15 | 2 | small |
| 47 | 11 | 40 | 27 | midsize |
| 42 | 26 | 15 | 9 | large |
|  |  |  |  | SUVS <br> 4 WHEEL DRIVE |
| 102 | 39 | 65 | 51 | small |
| 67 | 22 | 48 | 34 | midsize |
| 52 | 14 | 40 | 31 | large |
| 103 | 19 | 92 | 75 | very large |
|  |  |  | 43 | 2 WHEEL DRIVE |
| 114 |  |  | 43 |  |
| 114 | 38 | 80 | 63 | midsize |
| 70 | 31 | 39 | 31 | large |
| 109 | 32 | 77 | 53 | PICKUPS 4 WHEEL DRIVE small |
| 97 | 29 | 69 | 49 |  |
| 95 | 27 | 68 | 51 | very large |
|  |  |  |  | 2 WHEEL DRIVE |
| 124 | 56 | 68 | 39 | small |
| 107 | 38 | 70 | 42 |  |
| 69 | 31 | 38 | 22 | very large |
| 93 | 34 | 64 | 62 | SPECIALTY midsize |

KEY TO TABLES:
overall: driver death rate per million registered vehicle years mv : driver death rate in multiple-vehicle crashes sv: driver death rate in single-vehicle crashes roll: driver death rate in single-vehicle rollovers

## DRIVER DEATHS



PER MILLION REGISTERED VEHICLE YEARS

MODELS EXPOSURE
ALL PASSENGER VEHICLES

| FOUR-DOOR CARS |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MINI |  | 660,173 |  |  |  |  |  |
| Toyota Echo | 2000-02 | 184,554 | 75 | (32-119) | 65 | 8 | 4 |
| Hyundai Accent | 2000-02 | 237,380 | 150 | (93-208) | 97 | 51 | 28 |
| Kia Rio | 2001-02 | 154,069 | 200 | (107-294) | 95 | 109 | 64 |
| SMALL |  | 11,622,917 |  |  |  |  |  |
| Infiniti G20 | 1999-2002 | 144,854 | 46 | (15-77) | 21 | 25 | 15 |
| Honda Civic | 2001-02 | 632,071 | 67 | (43-91) | 34 | 33 | 13 |
| Nissan Sentra | 2000-02 | 511,642 | 71 | (44-98) | 39 | 34 | 16 |
| Volkswagen Jetta | 2001-02 | 420,084 | 76 | (44-108) | 30 | 48 | 30 |
| Volvo S40 | 2000-02 | 156,137 | 88 | (33-144) | 58 | 30 | 24 |
| Hyundai Elantra | 2001-02 | 318,801 | 88 | (46-130) | 39 | 53 | 33 |
| Toyota Corolla | 1999-2002 | 2,111,339 | 93 | (77-109) | 61 | 28 | 12 |
| Ford Focus | 2000-02 | 1,172,299 | 94 | (73-115) | 49 | 43 | 21 |
| Mazda Protege | 1999-2002 | 636,882 | 99 | (70-129) | 66 | 29 | 16 |
| Saturn SL | 1999-2002 | 1,472,461 | 108 | (87-128) | 73 | 32 | 15 |
| Chevrolet Prizm | 1999-2002 | 429,540 | 128 | (87-170) | 83 | 43 | 21 |
| Dodge Neon | 2000-02 | 800,589 | 154 | (124-185) | 82 | 71 | 32 |
| Ford Escort | 1999-2002 | 860,038 | 158 | (125-190) | 112 | 41 | 15 |
| Pontiac Sunfire | 1999-2002 | 277,940 | 160 | (104-215) | 81 | 76 | 49 |
| Chevrolet Cavalier | 1999-2002 | 1,196,559 | 162 | (135-190) | 83 | 81 | 44 |
| MIDSIZE |  | 12,606,067 |  |  |  |  |  |
| Volkswagen Passat | 2001-02 | 181,637 | 16 | (0-41) | 0 | 18 | 13 |
| Toyota Avalon | 2000-02 | 536,303 | 45 | (23-66) | 25 | 20 | 17 |
| Nissan Maxima | 2000-02 | 795,842 | 52 | (35-70) | 23 | 28 | 14 |
| Toyota Camry | 2002 | 429,506 | 56 | (28-83) | 44 | 8 | 5 |
| Hyundai Sonata | 2001-02 | 167,051 | 57 | (14-99) | 25 | 32 | 14 |
| Honda Accord | 1999-2002 | 3,256,030 | 58 | (47-69) | 36 | 19 | 7 |
| Nissan Altima | 2002 | 191,305 | 72 | (27-118) | 22 | 52 | 24 |
| Mitsubishi Galant | 1999-2002 | 800,235 | 79 | (57-100) | 44 | 35 | 11 |
| Mazda 626 | 1999-2002 | 705,237 | 82 | (55-109) | 43 | 39 | 17 |
| Chevrolet Malibu | 1999-2002 | 1,941,422 | 94 | (77-111) | 55 | 37 | 17 |
| Pontiac Grand Am | 1999-2002 | 1,679,596 | 100 | (82-117) | 48 | 51 | 28 |
| Dodge Stratus | 2001-02 | 181,716 | 112 | (52-172) | 60 | 51 | 8 |
| Oldsmobile Alero | 1999-2002 | 816,072 | 114 | (85-142) | 75 | 34 | 14 |
| Daewoo Leganza | 1999-2002 | 173,524 | 125 | (58-192) | 73 | 50 | 26 |
| Chrysler Sebring | 2001-02 | 124,532 | 126 | (39-213) | 74 | 43 | 30 |
| LARGE |  | 13,067,650 |  |  |  |  |  |
| Buick LeSabre | 2000-02 | 970,423 | 60 | (44-76) | 45 | 14 | 5 |
| Chrysler Concorde | 1999-2002 | 517,406 | 68 | (42-93) | 43 | 23 | 3 |
| Dodge Intrepid | 1999-2002 | 1,380,371 | 70 | (53-86) | 40 | 29 | 12 |
| Pontiac Grand Prix | 1999-2002 | 1,118,291 | 73 | (54-92) | 30 | 42 | 30 |
| Chevrolet Impala | 2000-02 | 1,142,216 | 79 | (60-97) | 47 | 29 | 14 |
| Ford Taurus | 1999-2002 | 3,346,778 | 82 | (70-94) | 51 | 30 | 12 |
| Mercury Sable | 1999-2002 | 938,145 | 82 | (60-104) | 51 | 31 | 11 |
| Chrysler 300M | 1999-2002 | 568,146 | 82 | (52-113) | 51 | 29 | 17 |
| Buick Century | 1999-2002 | 1,396,883 | 84 | (68-100) | 65 | 18 | 5 |
| Buick Regal | 1999-2002 | 607,865 | 88 | (60-117) | 48 | 41 | 11 |
| Oldsmobile Intrigue | 1999-2002 | 651,884 | 93 | (65-120) | 54 | 39 | 15 |
| Pontiac Bonneville | 2000-02 | 302,542 | 97 | (52-143) | 52 | 44 | 17 |
| VERY LARGE |  | 1,897,467 |  |  |  |  |  |
| Ford Crown Victoria | 1999-2002 | 756,458 | 53 | (36-71) | 29 | 25 | 10 |
| Mercury Grand Marquis | 1999-2002 | 1,141,009 | 83 | (66-100) | 52 | 32 | 14 |
| TWO-DOOR CARS |  |  |  |  |  |  |  |
| MINI |  | 411,329 |  |  |  |  |  |
| Hyundai Accent | 2000-02 | 161,017 | 148 | (75-222) | 82 | 69 | 32 |
| Mitsubishi Mirage | 1999-2002 | 98,812 | 209 | (115-302) | 142 | 69 | 37 |
| SMALL |  | 5,203,147 |  |  |  |  |  |
| Volkswagen Golf convertible | 1999-2002 | 127,219 | 52 | (8-96) | 12 | 42 | 30 |
| Honda Civic coupe | 2001-02 | 351,791 | 76 | (49-103) | 40 | 35 | 15 |
| Volkswagen New Beetle | 1999-2002 | 722,944 | 94 | (64-124) | 48 | 45 | 28 |
| Saturn SC | 1999-2002 | 311,756 | 100 | (58-142) | 55 | 45 | 27 |
| Mitsubishi Eclipse | 2000-02 | 323,220 | 114 | (77-151) | 31 | 86 | 34 |
| Ford Focus | 2000-02 | 265,645 | 118 | (72-165) | 50 | 68 | 45 |
| Toyota Celica | 2000-02 | 265,393 | 128 | (84-172) | 44 | 84 | 42 |
| Ford Escort | 1999-2002 | 667,128 | 141 | (108-174) | 68 | 72 | 46 |
| Mercury Cougar | 1999-2002 | 545,712 | 155 | (116-194) | 71 | 82 | 50 |
| Pontiac Sunfire | 1999-2002 | 457,562 | 157 | (117-197) | 80 | 78 | 36 |
| Chevrolet Cavalier | 1999-2002 | 1,046,388 | 168 | (138-197) | 90 | 76 | 49 |


|  | MODELS | EXPOSURE | - DRIVER DEATH RATES - |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | ERALL | MV | SV | SVROLL |
| MIDSIZE |  | 2,955,220 |  |  |  |  |  |
| Toyota Camry Solara | 1999-2002 | 466,268 | 27 | (10-43) | 10 | 16 | 11 |
| Honda Accord | 1999-2002 | 689,365 | 59 | (37-81) | 34 | 23 | 13 |
| Chrysler Sebring convertible | 2001-02 | 125,126 | 98 | (25-170) | 42 | 57 | 24 |
| Chevrolet Monte Carlo | 2000-02 | 381,398 | 127 | (83-171) | 49 | 79 | 49 |
| Oldsmobile Alero | 1999-2002 | 285,278 | 128 | (79-176) | 63 | 64 | 40 |
| Pontiac Grand Am | 1999-2002 | 639,825 | 150 | (116-185) | 65 | 86 | 48 |
| LARGE |  | 269,204 |  |  |  |  |  |
| Pontiac Grand Prix | 1999-2002 | 266,338 | 75 | (46-104) | 37 | 38 | 19 |
| SPORTS CARS |  |  |  |  |  |  |  |
| MINI |  | 271,635 |  |  |  |  |  |
| Mazda Miata | 1999-2002 | 237,281 | 80 | (37-122) | 39 | 38 | 22 |
| SMALL <br> BMW Z3 Roadster convertible | 1999-2002 | $\begin{aligned} & 424,062 \\ & 127,005 \end{aligned}$ | 58 | (12-103) | 21 | 34 | 12 |
| MIDSIZE |  | 2,432,984 |  |  |  |  |  |
| Ford Mustang convertible | 1999-2002 | 433,046 | 91 | (60-123) | 35 | 58 | 35 |
| Ford Mustang | 1999-2002 | 1,072,873 | 140 | (115-165) | 61 | 78 | 41 |
| Chevrolet Camaro | 1999-2002 | 317,403 | 186 | (139-233) | 62 | 123 | 63 |
| Pontiac Firebird | 1999-2002 | 261,563 | 205 | (147-263) | 42 | 167 | 71 |
| LUXURY CARS |  |  |  |  |  |  |  |
| MIDSIZE |  | 2,000,683 |  |  |  |  |  |
| BMW 3 series | 1999-2002 | 518,714 | 34 | (16-52) | 14 | 19 | 8 |
| Saab 9-5 | 1999-2002 | 157,905 | 46 | (3-88) | 28 | 14 | 14 |
| Acura TL | 1999-2002 | 545,450 | 47 | (24-69) | 18 | 30 | 15 |
| LARGE |  | 3,405,485 |  |  |  |  |  |
| Mercedes E class | 2000-02 | 223,625 | 10 | (0-22) | 7 | 3 | 0 |
| Cadillac DeVille | 2000-02 | 533,430 | 26 | (13-40) | 12 | 14 | 4 |
| Cadillac Eldorado | 1999-2002 | 130,388 | 29 | (3-54) | 12 | 17 | 6 |
| BMW 5 series | 1999-2002 | 326,719 | 38 | (12-64) | 15 | 24 | 4 |
| Volvo S80 | 1999-2002 | 274,320 | 45 | (14-76) | 11 | 38 | 14 |
| Lincoln Continental | 1999-2002 | 238,937 | 46 | (14-77) | 24 | 23 | 6 |
| Lincoln LS | 2000-02 | 334,834 | 48 | (21-75) | 11 | 40 | 20 |
| Buick Park Avenue | 1999-2002 | 487,306 | 60 | (38-83) | 46 | 13 | 9 |
| Jaguar S-type | 2000-02 | 147,932 | 68 | (14-123) | 40 | 27 | 5 |
| VERY LARGE |  | 1,157,664 |  |  |  |  |  |
| Mercedes S class | 2000-02 | 208,198 | 25 | (6-44) | 15 | 10 | 0 |
| Lincoln Town Car | 1999-2002 | 776,692 | 62 | (45-79) | 35 | 27 | 10 |
| SPECIALTY CARS |  |  |  |  |  |  |  |
| SMALL |  | 528,077 |  |  |  |  |  |
| Chrysler PT Cruiser | 2001-02 | 474,982 | 117 | (79-156) | 57 | 60 | 31 |
| MINIVANS \& STATION WAGONS |  |  |  |  |  |  |  |
| SMALL |  | 368,411 |  |  |  |  |  |
| Ford Focus | 2000-02 | 211,870 | 62 | (25-99) | 48 | 15 | 0 |
| MIDSIZE |  | 535,808 |  |  |  |  |  |
| Subaru Legacy | 2000-02 | 472,842 | 54 | (28-79) | 13 | 45 | 31 |
| LARGE |  | 7,113,651 |  |  |  |  |  |
| Honda Odyssey | 1999-2002 | 887,482 | 19 | (8-31) | 16 | 2 | 1 |
| Mercury Villager | 1999-2002 | 314,518 | 21 | (3-39) | 7 | 15 | 7 |
| Nissan Quest | 1999-2002 | 350,899 | 26 | (2-51) | 23 | 0 | 0 |
| GMC Safari 2WD | 1999-2002 | 140,163 | 31 | (0-66) | 24 | 5 | 5 |
| Toyota Sienna | 1999-2002 | 854,589 | 32 | (17-47) | 20 | 12 | 6 |
| Chevrolet Astro 2WD | 1999-2002 | 393,809 | 37 | (14-59) | 12 | 28 | 19 |
| Chrysler Town \& Country 2WD | 2001-02 | 346,462 | 38 | (13-62) | 24 | 13 | 11 |
| Ford Windstar | 1999-2002 | 1,809,442 | 41 | (30-53) | 23 | 18 | 13 |
| Chevrolet Venture 2WD | 2001-02 | 178,526 | 52 | (8-97) | 38 | 14 | 13 |
| Dodge Grand Caravan 2WD | 2001-02 | 425,350 | 52 | (24-81) | 38 | 13 | 11 |
| Mazda MPV | 2000-02 | 221,282 | 53 | (18-87) | 34 | 16 | 10 |
| Chevrolet Astro 4WD | 1999-2002 | 121,320 | 66 | (9-122) | 43 | 18 | 6 |
| Ford Taurus | 1999-2002 | 282,091 | 82 | (40-124) | 72 | 5 | 3 |
| Dodge Caravan | 2001-02 | 184,584 | 83 | (34-131) | 45 | 37 | 16 |
| SUVS: FOUR WHEEL DRIVE |  |  |  |  |  |  |  |
| SMALL |  | 2,428,952 |  |  |  |  |  |
| Toyota RAV4 | 2001-02 | 123,339 | 18 | (0-39) | 12 | 6 | 0 |
| Subaru Forester | 1999-2002 | 406,795 | 70 | (35-105) | 37 | 33 | 21 |
| Jeep Wrangler | 1999-2002 | 704,099 | 99 115 | (71-127) | 26 | 77 | 67 |
| Ford Escape | 2001-02 | 236,632 | 115 | (58-173) | 38 | 80 | 38 |
| Suzuki Grand Vitara | 1999-2002 | 180,713 | 127 | (56-197) | 60 | 65 | 58 |
| Kia Sportage 4dr | 1999-2002 | 221,640 | 162 | (91-233) | 51 | 119 | 100 |
| Chevrolet Tracker 4dr | 1999-2002 | 208,394 | 183 | (109-258) | 86 | 98 | 80 |


|  | MODELS | EXPOSURE | - DRIVER DEATH RATES - |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | OVE | ERALL | MV | SV | SVROLL |
| MIDSIZE |  | 8,139,278 |  |  |  |  |  |
| Toyota 4Runner | 2001-02 | 125,229 | 12 | (0-29) | 6 | 6 | 6 |
| Lexus RX 300 | 2001-02 | 135,105 | 17 | (0-36) | 11 | 5 | 0 |
| Nissan Pathfinder | 1999-2002 | 381,018 | 25 | (11-39) | 8 | 17 | 4 |
| BMW X5 | 2000-02 | 151,107 | 33 | (0-74) | 17 | 16 | 15 |
| Acura MDX | 2001-02 | 125,105 | 36 | (7-65) | 30 | 6 | 6 |
| Isuzu Trooper | 1999-2002 | 143,360 | 47 | (16-78) | 32 | 15 | 15 |
| Nissan Xterra | 2000-02 | 274,133 | 48 | (16-79) | 26 | 23 | 11 |
| Dodge Durango | 1999-2002 | 1,171,194 | 49 | (34-65) | 18 | 32 | 19 |
| Jeep Grand Cherokee | 1999-2002 | 1,816,350 | 55 | (42-68) | 18 | 38 | 24 |
| Ford Explorer 4dr | 2002 | 294,934 | 56 | (19-93) | 11 | 49 | 26 |
| Isuzu Rodeo | 1999-2002 | 192,701 | 60 | (17-103) | 19 | 39 | 11 |
| Chevrolet Trailblazer | 2002 | 149,277 | 86 | (20-152) | 17 | 76 | 56 |
| Jeep Liberty | 2002 | 142,870 | 86 | (27-145) | 42 | 43 | 31 |
| Mitsubishi Montero Sport | 1999-2002 | 209,394 | 89 | (36-143) | 12 | 84 | 50 |
| GMC Jimmy | 1999-2002 | 385,710 | 95 | (56-134) | 34 | 66 | 43 |
| Chevrolet Blazer 2dr | 1999-2002 | 203,541 | 98 | (53-142) | 24 | 73 | 65 |
| Chevrolet Blazer 4dr | 1999-2002 | 1,077,063 | 101 | (77-125) | 35 | 70 | 61 |
| Land Rover Discovery Series II | 1999-2002 | 153,126 | 119 | (53-184) | 29 | 89 | 53 |
| Ford Explorer 2dr | 1999-2002 | 336,605 | 134 | (87-181) | 22 | 117 | 94 |
| LARGE |  | 2,491,022 |  |  |  |  |  |
| Chevrolet Suburban 1/2 ton | 2000-02 | 326,300 | 47 | (22-73) | 10 | 36 | 27 |
| Ford Expedition | 1999-2002 | 945,092 | 50 | (33-67) | 12 | 40 | 32 |
| GMC Yukon XL | 2000-02 | 172,266 | 51 | (10-91) | 15 | 35 | 35 |
| GMC Yukon | 2000-02 | 180,112 | 52 | (8-96) | 4 | 53 | 26 |
| Chevrolet Tahoe | 2000-02 | 417,693 | 75 | (43-106) | 28 | 48 | 38 |
| VERY LARGE |  | 174,000 |  |  |  |  |  |
| Ford Excursion | 2000-02 | 167,874 | 107 | (41-173) | 20 | 96 | 77 |
| SUVS: TWO WHEEL DRIVE |  |  |  |  |  |  |  |
| SMALL |  | 809,416 |  |  |  |  |  |
| Ford Escape | 2001-02 | 175,853 | 86 | (28-143) | 59 | 22 | 21 |
| Kia Sportage 4dr | 1999-2002 | 181,208 | 197 | (106-287) | 65 | 138 | 88 |
| MIDSIZE |  | 3,769,759 |  |  |  |  |  |
| Nissan Pathfinder | 1999-2002 | 183,400 | 40 | (8-72) | 12 | 29 | 29 |
| Dodge Durango | 1999-2002 | 382,584 | 42 | (18-66) | 19 | 24 | 14 |
| Ford Explorer 4dr | 2002 | 140,127 | 57 | (8-106) | 11 | 51 | 49 |
| Jeep Grand Cherokee | 1999-2002 | 551,833 | 89 | (57-121) | 27 | 64 | 55 |
| Nissan Xterra | 2000-02 | 243,200 | 101 | (50-152) | 22 | 84 | 55 |
| Mitsubishi Montero Sport | 1999-2002 | 274,667 | 121 | (69-173) | 60 | 59 | 46 |
| Isuzu Rodeo | 1999-2002 | 323,757 | 132 | (84-180) | 56 | 80 | 63 |
| Ford Explorer 2dr | 1999-2002 | 427,935 | 187 | (136-239) | 52 | 145 | 122 |
| Chevrolet Blazer 4dr | 1999-2002 | 303,155 | 190 | (127-254) | 78 | 113 | 79 |
| Chevrolet Blazer 2dr | 1999-2002 | 138,214 | 308 | (190-426) | 54 | 274 | 251 |
| LARGE |  | 1,765,992 |  |  |  |  |  |
| Ford Expedition | 1999-2002 | 909,196 | 66 | (46-86) | 34 | 32 | 24 |
| Chevrolet Suburban 1/2 ton | 2000-02 | 235,796 | 73 | (26-120) | 29 | 48 | 45 |
| Chevrolet Tahoe | 2000-02 | 276,878 | 84 | (45-123) | 30 | 55 | 46 |
| PICKUPS: FOUR WHEEL DRIVE |  |  |  |  |  |  |  |
| SMALL |  | 2,660,735 |  |  |  |  |  |
| Dodge Dakota club cab | 1999-2002 | 316,512 | 49 | (25-73) | 10 | 40 | 18 |
| Dodge Dakota crew cab | 2000-02 | 172,381 | 77 | (36-119) | 42 | 34 | 17 |
| Toyota Tacoma ext cab | 1999-2002 | 458,272 | 83 | (56-111) | 26 | 59 | 40 |
| Chevrolet S10 ext cab | 1999-2002 | 244,211 | 109 | (70-148) | 42 | 65 | 45 |
| Ford Ranger super cab | 1999-2002 | 813,529 | 154 | (127-181) | 36 | 118 | 91 |
| LARGE |  | 4,638,938 |  |  |  |  |  |
| GMC Sierra 1500 ext cab | 1999-2002 | 514,238 | 71 | (49-92) | 22 | 48 | 30 |
| Toyota Tundra access cab | 2000-02 | 271,296 | 83 | (42-124) | 34 | 48 | 35 |
| Chevrolet Silverado 1500 ext cab | 1999-2002 | 1,592,743 | 90 | (75-105) | 23 | 69 | 46 |
| Ford F-150 | 1999-2002 | 231,747 | 108 | (65-151) | 28 | 79 | 48 |
| Ford F-150 super cab | 1999-2002 | 1,033,314 | 114 | (92-136) | 34 | 83 | 60 |
| Ford F-150 crew cab | 2001-02 | 293,513 | 120 | (76-163) | 31 | 94 | 82 |
| Chevrolet Silverado 1500 | 1999-2002 | 435,201 | 125 | (91-159) | 40 | 85 | 61 |
| VERY LARGE |  | 3,402,199 |  |  |  |  |  |
| Chevrolet Silverado 2500 | 1999-2002 | 123,725 | 66 | (26-106) | 25 | 41 | 35 |
| Ford F-250 crew cab | 1999-2002 | 392,066 | 80 | (50-111) | 24 | 58 | 47 |
| Chevrolet Silverado 2500 ext cab | 1999-2002 | 343,414 | 82 | (54-110) | 23 | 57 | 36 |
| Ford F-350 super cab | 1999-2002 | 194,449 | 94 | (49-140) | 23 | 74 | 53 |
| Ford F-250 super cab | 1999-2002 | 683,397 | 96 | (73-119) | 28 | 68 | 50 |
| Ford F-350 crew cab | 1999-2002 | 436,185 | 112 | (80-143) | 20 | 92 | 66 |
| Ford F-250 | 1999-2002 | 176,005 | 114 | (70-158) | 30 | 82 | 66 |
| Dodge Ram 2500 club cab | 1999-2002 | 470,489 | 119 | (88-150) | 36 | 84 | 72 |



## ABOUT THESE TABLES

Rates are for 1999-2002 model year cars, minivans, SUVs, and pickup trucks during 2000-03.
However, every model year isn't included for every vehicle. If a vehicle was substantially redesigned during the 1999-2002 model years, only the most recent design is included.
Rates are driver deaths per million registered vehicle years. Two vehicles registered for 12 months each yield 2 vehicle years.

Sources of data are the National Highway Traffic Safety Administration's Fatality Analysis Reporting System and The Polk Company’s National Vehicle Population Profile.

KEY
overall: driver death rate per million registered vehicle years mv: driver death rate in multiple-vehicle crashes sv: driver death rate in single-vehicle crashes roll: driver death rate in single-vehicle rollover crashes

(continued from p.3) Toyota 4Runner had only 12 driver deaths per million registered years during 2000-03. This compares with 134 deaths per million for the twodoor Ford Explorer and 119 per million for the Land Rover Discovery Series II.

Single- versus multiple-vehicle crashes: In many vehicle groups, driver death rates are split fairly evenly between single- and multiple-vehicle crashes. But there are exceptions. Most driver deaths in large four-door cars and minivans occurred in crashes involving other vehicles. In contrast, in pickup trucks and SUVs of almost every size more deaths occurred in single-vehicle crashes. In large four-wheel-drive SUVs, for example, the death rate was almost three times as high in single-vehicle crashes as it was in collisions involving two or more vehicles ( 14 deaths per million compared with 40).

Rollover crashes: Eleven vehicles, all pickups or SUVs, had more than 75 driver deaths per million in single-vehicle rollover crashes. This is in large part because pickup trucks and SUVs have relatively high centers of gravity compared with cars. The Ford Excursion is a very large SUV with a high rollover death rate. This is at least in part because its occupancy rate tends to be high, which raises its center of gravity even higher.

The vehicle with the very highest driver death rate in single-vehicle rollover crashes was the two-door, two-wheel-drive Chevrolet Blazer. The 251 deaths per million for this SUV compare with an average of 63 for all midsize two-wheel-drive SUVs, 34 for four-wheeldrive versions, and 28 for all vehicles in the study.

Not all midsize SUVs had high death rates in single-vehicle rollovers. The Lexus RX 300, Toyota 4Runner, Nissan Pathfinder, and Acura MDX had 6 or fewer rollover deaths per million vehicle years. Both the RX 300 and the 4Runner are equipped with electronic stability control, which has been shown to significantly reduce the risk of fatal single-vehicle crashes including rollovers (see Status Report, Jan. 3,2005 ; on the web at www.iihs.org).

Not one driver death occurred in a rollover of the RX 300 or four-wheel-drive Toyota RAV4, a small SUV. This experience doesn't mean the rates for these vehicles will be zero every year, but it does mean very low rates can be expected.
"Small SUVs have had high rollover death rates in previous years, but as the RAV4 indicates this may be changing. One reason may be that the drivers are changing," Lund points out. "It


## INFLUENCE OF VEHICLE WEIGHT

 Driver deaths per million registered vehicle years, 1999-2002 models during 2000-03|  | CARS |  |  |  |
| ---: | :---: | :---: | :---: | :---: | :---: |
| vehicle weight: | overall | $\mathrm{mv} / \mathrm{sv} /$ roll |  |  |
| 2,500 lbs. or less | $\mathbf{1 1 5}$ | 71 | 42 | 20 |
| $2,501-3,000 \mathrm{lbs}$. | $\mathbf{1 0 2}$ | 54 | 46 | 25 |
| $3,001-3,500 \mathrm{lbs}$. | 84 | 44 | 39 | 19 |
| $3,501-4,000 \mathrm{lbs}$. | 56 | 33 | 23 | 10 |
| $4,001-4,500 \mathrm{lbs}$. | $\mathbf{4 7}$ | 27 | 20 | 7 |
| $4,501-5,000 \mathrm{lbs}$. | - | - | - | - |
| more than $5,000 \mathrm{lbs}$. | - | - | - | - |


overall driver death rate per million registered vehicle years
mv driver death rate in multiple-vehicle crashes
Sv driver death rate in single-vehicle crashes
roll driver death rate in single-vehicle rollover crashes

- no exposure or insufficient exposure


# STATUS 嵒PORT 

## Special issue

This special issue focuses on driver death rates. Recent special issues have focused on:

| Rear crash protection | $39: 10(2004)$ |
| :--- | :---: |
| Side impact crash tests | $39: 5(2004)$ |
| Speeding | $38: 10(2003)$ |
| Side impact crash tests | $38: 7(2003)$ |
| Vehicle incompatibility | $38: 5(2003)$ |
| Safety as a priority | $37: 10(20002)$ |
| Automated enforcement | $37: 5(2002)$ |
| Motorcycle deaths | $37: 1(2002)$ |
| Elderly drivers | $36: 8(2001)$ |
| What works and doesn't work | $36: 5(2001)$ |
| Vehicle improvements | $36: 3(2001)$ |



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Amerisure Insurance
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Tokio Marine
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