

ANNEX F

STATS19 TABLES: ACCIDENT STATISTICS

| | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 |
|-------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Motorways | | | | | | | | | | | | | |
| Fatal | 183 | 178 | 191 | 159 | 135 | 154 | 153 | 159 | 157 | 176 | 161 | 180 | 175 |
| Fatal and serious | 1,347 | 1,187 | 1,149 | 1,138 | 1,118 | 1,153 | 1,100 | 1,204 | 1,148 | 1,218 | 1,190 | 1,235 | 1,162 |
| Serious | 1,164 | 1,009 | 958 | 979 | 983 | 999 | 947 | 1,045 | 991 | 1,042 | 1,029 | 1,055 | 987 |
| All severities | 6,687 | 6,289 | 6,629 | 6,863 | 7,225 | 7,392 | 7,787 | 8,678 | 8,861 | 9,118 | 9,394 | 9,128 | 8,942 |
| Slight | 5,340 | 5,102 | 5,480 | 5,725 | 6,107 | 6,239 | 6,687 | 7,474 | 7,713 | 7,900 | 8,204 | 7,893 | 7,780 |
| A roads | | | | | | | | | | | | | |
| Fatal | 2,793 | 2,431 | 2,216 | 2,051 | 1,990 | 1,887 | 1,860 | 1,939 | 1,788 | 1,782 | 1,782 | 1,826 | 1,821 |
| Fatal and serious | 26,824 | 23,153 | 21,777 | 19,899 | 20,273 | 19,959 | 19,402 | 19,128 | 18,201 | 17,388 | 17,204 | 16,761 | 16,168 |
| Serious | 24,031 | 20,722 | 19,561 | 17,848 | 18,283 | 18,072 | 17,542 | 17,189 | 16,413 | 15,606 | 15,422 | 14,935 | 14,347 |
| All severities | 121,652 | 110,639 | 109,234 | 107,827 | 109,881 | 107,428 | 108,803 | 111,165 | 109,807 | 107,474 | 107,544 | 105,548 | 102,378 |
| Slight | 94,828 | 87,486 | 87,457 | 87,928 | 89,608 | 87,469 | 89,401 | 92,037 | 91,606 | 90,086 | 90,340 | 88,787 | 86,210 |
| TOTAL | | | | | | | | | | | | | |
| Fatal | 2,976 | 2,609 | 2,407 | 2,210 | 2,125 | 2,041 | 2,013 | 2,098 | 1,945 | 1,958 | 1,943 | 2,006 | 1,996 |
| Serious | 25,195 | 21,731 | 20,519 | 18,827 | 19,266 | 19,071 | 18,489 | 18,234 | 17,404 | 16,648 | 16,451 | 15,990 | 15,334 |
| Slight | 100,168 | 92,588 | 92,937 | 93,653 | 95,715 | 93,708 | 96,088 | 99,511 | 99,319 | 97,986 | 98,544 | 96,680 | 93,990 |
| TOTAL | 128,339 | 116,928 | 115,863 | 114,690 | 117,106 | 114,820 | 116,590 | 119,843 | 118,668 | 116,592 | 116,938 | 114,676 | 111,320 |

| | Average No. of Accidents |
|--------------|--------------------------|
| Fatal | 2,179 |
| Serious | 18,705 |
| Slight | 96,222 |
| TOTAL | 117,106 |

Table F1: Number of accidents occurring on major roads in Great Britain, 1990 to 2002 [3] – Refer to Graph G1

| | Number | Percentage |
|---|----------------|--------------|
| TOTAL UK ACCIDENTS | 117,106 | |
| Struck an object in the median and rebounded | 957 | 33.0 |
| Fatal | 25 | 2.6 |
| Serious | 154 | 16.1 |
| Slight | 778 | 81.3 |
| Struck an object in the median and crossed over | 414 | 14.3 |
| Fatal | 29 | 7.0 |
| Serious | 105 | 25.4 |
| Slight | 280 | 67.6 |
| Vehicle left the median to the offside | 1,529 | 52.7 |
| Fatal | 37 | 2.4 |
| Serious | 268 | 17.5 |
| Slight | 1,224 | 80.1 |
| Total Accidents involving a vehicle striking an object in the median | 2,900 | 100.0 |

**Table F2: Breakdown of Accidents in which an Object has been struck in the Median –
Refer to Graphs G2 and G3 to G5**

| | Number | Percentage |
|---|----------------|--------------|
| TOTAL UK ACCIDENTS | 117,106 | |
| Struck a median barrier and rebounded | 671 | 46.3 |
| Fatal | 15 | 2.2 |
| Serious | 97 | 14.5 |
| Slight | 559 | 83.4 |
| Struck a median barrier and crossed over the median | 82 | 5.7 |
| Fatal | 6 | 7.3 |
| Serious | 20 | 24.0 |
| Slight | 56 | 68.7 |
| Vehicle left the median to the offside | 696 | 48.0 |
| Fatal | 13 | 1.8 |
| Serious | 99 | 14.3 |
| Slight | 584 | 83.9 |
| Total Accidents involving a vehicle striking a VRS in the median | 1449 | 100.0 |

**Table F3: Breakdown of Accidents in which a median safety barrier has been struck –
Refer to Graphs G6 and G7 to G9**

| | Cars | %age: Cars | HGVs | %age: HGVs | Other vehicles | %age: Other vehicles | All motor vehicles |
|--|--------------|-------------------|-------------|-------------------|-----------------------|-----------------------------|---------------------------|
| Motorways | 70.2 | <i>76.0</i> | 11.6 | <i>12.5</i> | 10.64 | <i>11.5</i> | 92.4 |
| | | | | | | | |
| Trunk | 11.6 | <i>81.4</i> | 0.8 | <i>5.4</i> | 1.89 | <i>13.2</i> | 14.3 |
| Principal | 56.6 | <i>83.8</i> | 2.1 | <i>3.2</i> | 8.80 | <i>13.0</i> | 67.5 |
| All urban major roads | 68.2 | <i>83.4</i> | 2.9 | <i>3.6</i> | 10.69 | <i>13.1</i> | 81.8 |
| | | | | | | | |
| Motorways and all urban major roads - 'Major Roads' | 138.4 | 79.4 | 14.5 | 8.3 | 21.3 | 12.2 | 174.2 |
| | | | | | | | |
| Trunk | 53.1 | <i>78.0</i> | 6.6 | <i>9.6</i> | 8.38 | <i>12.3</i> | 68.0 |
| Principal | 56.0 | <i>81.7</i> | 3.6 | <i>5.2</i> | 8.93 | <i>13.0</i> | 68.5 |
| All rural major roads | 109.1 | <i>79.9</i> | 10.1 | <i>7.4</i> | 17.32 | <i>12.7</i> | 136.5 |
| | | | | | | | |
| Minor urban roads | 93.7 | <i>84.6</i> | 1.8 | <i>1.7</i> | 15.24 | <i>13.8</i> | 110.8 |
| Minor rural roads | 51.2 | <i>79.5</i> | 1.9 | <i>2.9</i> | 11.32 | <i>17.6</i> | 64.4 |
| All minor roads | 144.9 | <i>82.7</i> | 3.7 | <i>2.1</i> | 26.56 | <i>15.2</i> | 175.2 |
| | | | | | | | |
| All Roads | 392.4 | <i>80.8</i> | 28.3 | <i>5.8</i> | 65.21 | <i>13.4</i> | 485.9 |

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Table F4: Road Traffic: By type of vehicle and class of road in billion vehicle kilometres [3]

| | Total (1990 to 2002) | | | Yearly Average |
|------------------------------------|----------------------|--------------|-------------|----------------|
| | Accidents | Casualties | Cas/Acc | Accidents |
| Cars | | | | |
| Vehicle rebounded | 6,951 | 9,814 | 1.41 | 579 |
| Fatal | 107 | 121 | 1.13 | 9 |
| Serious | 878 | 1,127 | 1.28 | 73 |
| Slight | 5,966 | 8,566 | 1.44 | 497 |
| Crossed over the median | 613 | 902 | 1.47 | 51 |
| Fatal | 39 | 48 | 1.23 | 3 |
| Serious | 149 | 210 | 1.41 | 12 |
| Slight | 425 | 644 | 1.52 | 35 |
| Vehicle left to the offside | 6,774 | 9,329 | 1.38 | 565 |
| Fatal | 84 | 105 | 1.25 | 7 |
| Serious | 803 | 1,019 | 1.27 | 67 |
| Slight | 5,887 | 8,205 | 1.39 | 491 |
| HGVs | | | | |
| Vehicle rebounded | 254 | 305 | 1.20 | 21 |
| Fatal | 4 | 4 | 1.00 | 0 |
| Serious | 60 | 65 | 1.08 | 5 |
| Slight | 190 | 236 | 1.24 | 16 |
| Crossed over the median | 249 | 302 | 1.21 | 21 |
| Fatal | 20 | 20 | 1.00 | 2 |
| Serious | 60 | 69 | 1.15 | 5 |
| Slight | 169 | 213 | 1.26 | 14 |
| Vehicle left to the offside | 606 | 689 | 1.14 | 51 |
| Fatal | 12 | 14 | 1.17 | 1 |
| Serious | 120 | 129 | 1.08 | 10 |
| Slight | 474 | 546 | 1.15 | 40 |
| Other Vehicle | | | | |
| Vehicle rebounded | 844 | 1,248 | 1.48 | 70 |
| Fatal | 65 | 67 | 1.03 | 5 |
| Serious | 226 | 294 | 1.30 | 19 |
| Slight | 553 | 887 | 1.60 | 46 |
| Crossed over the median | 121 | 230 | 1.90 | 10 |
| Fatal | 13 | 13 | 1.00 | 1 |
| Serious | 27 | 45 | 1.67 | 2 |
| Slight | 81 | 172 | 2.12 | 7 |
| Vehicle left to the offside | 970 | 1,403 | 1.45 | 81 |
| Fatal | 58 | 65 | 1.12 | 5 |
| Serious | 269 | 330 | 1.23 | 22 |
| Slight | 643 | 1,008 | 1.57 | 54 |

Table F5: Breakdown of Accidents and Casualties in which a **Median Barrier** has been struck, by vehicle type – Refer to Graphs G10 to G12

| | Total (1990 to 2002) | | | Yearly Average |
|------------------------------------|----------------------|---------------|-------------|----------------|
| | Accidents | Casualties | Cas/Acc | Accidents |
| Cars | | | | |
| Vehicle rebounded | 9,940 | 14,165 | 1.43 | 828 |
| Fatal | 199 | 241 | 1.21 | 17 |
| Serious | 1,435 | 1,902 | 1.33 | 120 |
| Slight | 8,306 | 12,022 | 1.45 | 692 |
| Crossed over the median | 3,925 | 5,728 | 1.46 | 327 |
| Fatal | 264 | 330 | 1.25 | 22 |
| Serious | 962 | 1,334 | 1.39 | 80 |
| Slight | 2,699 | 4,064 | 1.51 | 225 |
| Vehicle left to the offside | 14,942 | 20,933 | 1.40 | 1,245 |
| Fatal | 314 | 361 | 1.15 | 26 |
| Serious | 2,278 | 2,907 | 1.28 | 190 |
| Slight | 12,350 | 17,665 | 1.43 | 1,029 |
| HGVs | | | | |
| Vehicle rebounded | 323 | 388 | 1.20 | 27 |
| Fatal | 7 | 11 | 1.57 | 1 |
| Serious | 76 | 82 | 1.08 | 6 |
| Slight | 240 | 295 | 1.23 | 20 |
| Crossed over the median | 445 | 533 | 1.20 | 37 |
| Fatal | 32 | 35 | 1.09 | 3 |
| Serious | 109 | 125 | 1.15 | 9 |
| Slight | 304 | 373 | 1.23 | 25 |
| Vehicle left to the offside | 956 | 1,090 | 1.14 | 80 |
| Fatal | 22 | 22 | 1.00 | 2 |
| Serious | 201 | 220 | 1.09 | 17 |
| Slight | 733 | 848 | 1.16 | 61 |
| Other Vehicle | | | | |
| Vehicle rebounded | 1,222 | 1,770 | 1.45 | 102 |
| Fatal | 93 | 99 | 1.06 | 8 |
| Serious | 340 | 430 | 1.26 | 28 |
| Slight | 789 | 1,241 | 1.57 | 66 |
| Crossed over the median | 598 | 966 | 1.62 | 50 |
| Fatal | 53 | 62 | 1.17 | 4 |
| Serious | 189 | 265 | 1.40 | 16 |
| Slight | 356 | 639 | 1.79 | 30 |
| Vehicle left to the offside | 2,449 | 3,288 | 1.34 | 204 |
| Fatal | 112 | 118 | 1.05 | 9 |
| Serious | 732 | 842 | 1.15 | 61 |
| Slight | 1,605 | 2,328 | 1.45 | 134 |

Table F6: Breakdown of Accidents and Casualties resulting from accidents in which an **object** has been struck in the Median, by vehicle type

| | Casualties/Accident |
|---|---------------------|
| TOTAL | |
| Struck an object in the median and crossed over | 1.45 |
| Struck an object in the median and rebounded | 1.42 |
| Vehicle left the median to the offside | 1.38 |

Table F7: Number of Casualties per Accident – Object struck in the median

| | Vehicle | Cas/Acc |
|---|---------------|---------|
| Struck an object in the median and crossed over | Other Vehicle | 1.62 |
| Struck an object in the median and crossed over | Cars | 1.46 |
| Struck an object in the median and rebounded | Other Vehicle | 1.45 |
| Struck an object in the median and rebounded | Cars | 1.43 |
| Vehicle left the median to the offside | Cars | 1.40 |
| Vehicle left the median to the offside | Other Vehicle | 1.34 |
| Struck an object in the median and rebounded | HGVs | 1.20 |
| Struck an object in the median and crossed over | HGVs | 1.20 |
| Vehicle left the median to the offside | HGVs | 1.14 |

Table F8: Number of Casualties per Accident (by vehicle) – Object struck in the median

| | Casualties/Accident |
|--|---------------------|
| TOTAL | |
| Struck a median barrier and crossed over | 1.46 |
| Struck a median barrier and rebounded | 1.41 |
| Vehicle left the median to the offside | 1.37 |

Table F9: Number of Casualties per Accident – Median Safety Barrier struck

| | Vehicle | Cas/Acc |
|--|---------------|---------|
| Struck a median barrier and crossed over | Other Vehicle | 1.90 |
| Struck a median barrier and rebounded | Other Vehicle | 1.48 |
| Struck a median barrier and crossed over | Cars | 1.47 |
| Vehicle left the median to the offside | Other Vehicle | 1.45 |
| Struck a median barrier and rebounded | Cars | 1.41 |
| Vehicle left the median to the offside | Cars | 1.38 |
| Struck a median barrier and crossed over | HGVs | 1.21 |
| Struck a median barrier and rebounded | HGVs | 1.20 |
| Vehicle left the median to the offside | HGVs | 1.14 |

Table F10: Number of Casualties per Accident (by vehicle) – Median Safety Barrier struck