

A.1 Factsheet - Vulnerable road users

Pedestrian, cyclists and equestrian accidents on the 2006 trunk road network (2004-2006)

A.1.1 Headlines

- Approx 1 in 106 casualties was a pedestrian (673 pedestrian casualties, 1%).
- Approx 1 in 149 casualties were pedal cyclists (480 casualties, 0.7%).
- Half of pedestrian casualties were killed or seriously injured (335, 50%).
- Approx 1 in 4 cyclists were killed or seriously injured (27%).
- 73% of pedestrian accidents occurred on A-roads.
- 24% of pedestrian casualties were aged 11 to 20.
- 68% of pedal cycle accidents were at a junction.

A.1.2 Pedestrians

1. 673 pedestrians were injured in traffic accidents on the trunk road network between 2004 and 2006 (about 1% of all trunk road casualties).
2. 50% of these casualties were killed or seriously injured (335).
3. 1.4% of accidents involved a pedestrian.
4. In 2006, pedestrian KSI casualties (108) had reduced by 42% from the 1994-1998 baseline (186).
5. About one third of pedestrian casualties occurred on a Friday or Saturday. 15% of accidents involving a KSI pedestrian occurred on a Saturday.
6. 73% of pedestrian accidents occurred on A-roads (463), of which 47% (217) were on built-up A roads (speed limit 20, 30 or 40mph).
7. 63% (156) of pedestrian accidents on non built-up A-roads were fatal or serious.
8. 27% of pedestrian accidents occurred on motorways, of which 62% were fatal or serious.
9. 68% of pedestrian accidents occurred away from a junction. The most common junction type was T/staggered junction, accounting for 10% of pedestrian accidents.
10. Almost half of KSI pedestrian accidents
11. 24% of pedestrian casualties were aged 11 to 20, 4% were aged 1 to 10 and 5.5% were 70 or over.



12. 47% the pedestrian casualties were crossing the carriageway, of which 62% were not within 50m of a crossing.

A.1.3 Cyclists

1. 480 cyclists were injured in trunk road accidents between 2004 and 2006, 0.7% of all casualties. 27 cyclists were killed.
2. 27% of cyclists involved in accidents were killed or seriously injured (131).
3. In 2006, cyclist KSI casualties (40) had reduced by 53% from the 1994-1998 baseline (85).
4. 41% of cyclist casualties were on built-up A-roads, 57% on non built-up A-roads. 38% of cyclists in accidents on non-built-up A-roads were killed or seriously injured.
5. 68% of accidents involving cycles occurred at a junction, of which 50% were at roundabouts and 21% were at T/staggered junctions.
6. 75% of accidents involving cycles were in the daylight, 34% of all pedal cycle accidents occurred between 3pm and 7pm.
7. In 92% of the accidents involving cycles, there were no casualties other than cyclists.
8. 1% of pedal cycle accidents were single vehicle accidents, 93% of pedal cycle accidents were two vehicle accidents.



A.1.4 Equestrians

Between 2004 and 2006, one accident was recorded (with slight injuries) as having involved a ridden horse. There were also 8 injury accidents recorded as involving 'other non-motorised' vehicles. These vehicles are miscellaneous types of vehicle without a motor, other than pedal cycles, examples are horse-drawn vehicles, self-propelled invalid carriages and pedestrian controlled vehicles without a motor.

A.2 Factsheet - High risk age groups

2004 – 2006 accident data relating to trunk road (2006 network) accidents involving high risk age groups

A.2.1 Headlines

- 1 in 18 casualties on the trunk road network were children (<16).
- 1 in 13 casualties were aged 16 to 19.
- 1 in 26 casualties were aged 70+.

- Approx 4 child casualties per day.
- Approx 5 casualties aged 16-19 per day.
- Approx 19 casualties aged 16-19 were killed or seriously injured every month.

- 1 in 15 child casualties were killed or seriously injured.
- 1 in 8 casualties aged 16-19 were killed or seriously injured.
- 1 in 6 casualties aged 70+ were killed or seriously injured.

- 90% of child casualties were car occupants.
- 87% of casualties aged 16 to 19 were car occupants.
- 92% of casualties aged 70+ were car occupants.

- 42% of child casualties were aged 11 to 15.
- 39% of accidents involving child car occupant casualties occurred at the weekend
- 42% of casualties aged 16 to 19 were car drivers.

A.2.2 Children (Under 16)

Child casualties by severity and user group, 2004 - 2006

Casualty mode	Killed	Seriously injured	Slightly injured	Total	% of total
Pedestrian	7	31	60	98	2.5%
Pedal cycle	2	7	32	41	1.0%
PTW	1	4	18	23	0.6%
Car	24	204	3341	3569	89.6%
Bus or coach	0	4	149	153	3.8%
LGV	0	4	40	44	1.1%
HGV	1	2	31	34	0.9%
Other motor vehicle	0	0	22	22	0.6%
Other non-motor vehicle	0	0	1	1	0.0%
Total	35	256	3694	3985	100.0%

1. 3985 (5.6%) of the 71,569 casualties on trunk roads between 2004 and 2006 were child casualties, of these 3985, 2.5% were child pedestrians. 256 injuries were fatal or serious (7.3%). 35 children were killed.
2. Child KSIs have reduced by 53% from the 1994-1998 baseline of 181, to 85 in 2006.
3. 22% of child casualties were up to 5 years old, 35% of child casualties were 6-10 years old and the remaining 43% were 11-15 years old.
4. 89.5% of child casualties were car passengers, 0.1% of child casualties were car drivers. 22% of child car occupant casualties were in the front seat and 69% were in the rear seat (where recorded).
5. 24% of accidents involving child car occupant casualties were in July or August; 38% occurred on a Saturday or Sunday. 4.1% of car child passenger casualties were injured during a journey to or from school.
6. 41% of car child passenger casualties were in cars driven by 31-40 year olds, 27% were in cars driven by 41-50 year olds and 5% were in cars driven by 11-20 year olds.
7. 39% of child pedestrian casualties were killed or seriously injured (38).
8. 84% (82/98) of child pedestrian casualties were crossing the carriageway of which 54% (44/82) were not at or within 50m of a crossing.
9. 1.0% of child casualties were pedal cyclists.
10. All the(41) child pedal cyclist casualties occurred on A-roads, 95% of child pedal cyclist casualties occurred in fine weather and 88% occurred in daylight. 83% of child cyclist casualties were on the main carriageway. 22% were not at a junction, 27% were at a roundabout and 17% were at a T or staggered junction.
11. 0.6% of child casualties were PTW riders or passengers, 2.0% of child casualties were goods vehicle occupants.

A.2.3 Young road users (16-19 years old)

Young road user casualties by severity and user group, 2004 - 2006

Customer group	Killed	Seriously injured	Slightly injured	Total	% of total
Pedestrian	14	30	29	73	1.3%
Pedal cycle	0	9	45	54	1.0%
PTW	6	70	233	309	5.5%
Car	69	465	4352	4886	87.3%
Bus or coach	0	0	49	49	0.9%
LGV	3	16	152	171	3.1%
HGV	0	2	35	37	0.7%
Other vehicle	0	3	12	15	0.3%
Total	92	595	4907	5594	100.0%

1. 5,594 (8%) of the 71,569 trunk road casualties were 16-19 year olds, of these, 1.0% were pedestrians, 50% were passengers, and 49% were drivers.
2. 2.0% of casualties aged 16-19 were killed (92), 12% were killed or seriously injured (687).
3. The number of 16-19 year old KSIs in 2006 reduced by 19% from the 1994-1998 baseline.
4. 42% of 16-19 year old casualties were car drivers, 46% were car passengers.
5. Of the 2,323 16-19 year old car driver casualties, 56% were male and 44% were female.
6. 12% of accidents involving 16-19 year old car occupier casualties occurred between midnight and 6am, and 28% between 6pm and midnight. 33% occurred at the weekend.
7. 13% of 16-19 year old car driver casualties were 16-17 years old; 87% were 18-19.
8. 59% of 16-19 year old car driver casualties occurred on A-roads, 41% on motorways.
9. 28% of 16-19 year old car driver casualties were in single vehicle accidents.
10. 60% of 16-19 year old pedestrian casualties were killed or seriously injured.
11. 66% (48) of 16-19 year old pedestrian casualties were crossing the carriageway, of which 33 (69%) were not at or within 50m of a crossing.
12. 1.0% of 16-19 year old casualties were pedal cyclists.
13. 5.5% of 16-19 year old casualties were PTW riders or passengers.
14. 3.7% of 16-19 year old casualties were goods vehicle drivers or passengers.
15. 39% of 16-19 year old passenger casualties were in vehicles driven by a 16-19 year old.

A.2.4 Elderly road users (70+ years old)

Elderly road user casualties by severity and user group, 2004 - 2006

Customer group	Killed	Seriously injured	Slightly injured	Total	% of total
Pedestrian	11	10	16	37	1.4%
Pedal cycle	5	5	13	23	0.8%
PTW	5	7	13	25	0.9%
Car	84	317	2097	2498	92.0%
Bus or coach	1	3	60	64	2.4%
LGV		9	22	31	1.1%
HGV		2	14	16	0.6%
Other vehicle	1	2	17	20	0.7%
Total	107	355	2252	2714	100.0%

- 2,714 (3.8%) of the 71,569 casualties were 70+ years old, of these 2,714, 1.4% were pedestrians.
- 4.0% of 70+ year old casualties were killed, 17% were killed or seriously injured.
- 49% of 70+ year old casualties were car drivers, 43% were car passengers.
- 72% of 1,332 70+ year old car driver casualties were male.
- 63% of 70+ year old car driver casualties occurred on A-roads and 37% were on motorways.
- 50% (1,262 / 2,527) of 70+ year old car driver casualties took place between 11am and 4pm.
- 57% of 70+ year old pedestrian casualties were killed or seriously injured.
- 76% of 70+ year old pedestrian casualties were crossing the carriageway, of which 43% were not at or within 50m of a crossing.
- 46% of 70+ year old passenger casualties were in a vehicle driven by a 70+ year old.
- 37% of vehicles driven by 70+ year olds were involved in an accident which took place at a junction, compared with 27% of vehicles with drivers aged less than 70.
- 58% of 70+ year old casualties occurred on A- roads and 42% occurred on Motorways.



A.3 Factsheet - Car users

This factsheet includes accident data relating to trunk road (2006 network) accidents involving cars and car occupants between 2004 and 2006. It should be noted that 'car' in this context means 'car, taxi or minibus', as in the Stats19 definitions.

A.3.1 Headlines

- 91% of trunk road accidents involved at least one car
- 93% of all trunk road casualties were in accidents involving cars
- Car accidents made up 81% of all fatal trunk road accidents
- 30% of car accidents took place at junctions
- 91% of car occupant casualties were slightly injured
- 6,472 of the 40,053 cars with known ownership details involved in accidents were company cars (about 1 in 6).

A.3.2 Factsheet - Cars

1. 41,552 (91%) of the 45,610 trunk road accidents for 2004-2006 involved at least one car.
2. 93% (66,207) of all trunk road casualties (71,569) were in accidents involving cars, and 91% (60,452) of these 66207 casualties were car occupants.
3. 2.0% of car accidents were fatal, 10% were serious, and the remaining 88% were slight.
4. Car involved accidents accounted for 81% of fatal accidents, 81% of serious accidents, and 93% of slight accidents.



5. The majority (22,744 – 55%) of car-involved collisions were between two vehicles with 10% (2,261) of these 22,744 accidents resulting in fatal or serious injury.
6. 19% (8,031) of car-involved collisions involved only one vehicle and 18% (1,445) of these (8,031) accidents resulted in fatal or serious injury.
7. 70% of accidents involving cars took place away from junctions, 30% took place at or within 20m of junctions.
8. 49% of accidents involving cars took place on A roads, 51% occurred on motorways.
9. 86% of accidents involving cars took place on dual-carriageway roads, 13% occurred on single-carriageway roads,
10. 72% of accidents involving cars took place in daylight, 28% occurred in darkness.

11. 67% of accidents involving cars took place on dry roads, 32% occurred on wet or damp roads.
12. 65% of car occupant casualties were drivers and 35% were passengers.
13. 9% of car occupant casualties were killed or seriously injured, 91% were slightly injured.
14. 52% of car occupant casualties were male and 48% were female.

A.3.3 Factsheet - Company Cars

Ownership details were unavailable for 47% of cars involved in trunk road accidents. The following points only include accidents where the ownership details for at least one of the involved cars are known and cars which have known ownership details.

1. 16% (6,472) of cars with known ownership details involved in accidents (40,053) were company cars.
2. 1 in 7 car accidents involved a company car.
3. On average, 41 company cars were involved in accidents each
4. 6% of company car accidents were single vehicle accidents compared with 19% of all car accidents.
5. 48% of company car accidents involved more than two vehicles compared with 26% of all car accidents.
6. 81% of company car accidents took place Monday to Friday, compared with 74% of all car accidents.
7. 22% of company car accidents took place between 7 and 10am, compared with 17% of all car accidents occurring between these times.
8. 57% of company car accidents took place on motorways, compared with 51% of all car accidents.
9. 76% of company car drivers of known sex involved in an accident were male, compared with 64% of all car drivers involved in accidents.
10. 29% of company car drivers involved in accidents where the driver age was known were aged 30-39 years old, compared with 23% of all accident involved car drivers with known age.

A.4 Factsheet – PTWs

A.4.1 Headlines

Between 2004 and 2006, on the 2006 trunk road network:

- 1 in 15 accidents involved a PTW (3,014 in total)
- Approx 3 accidents involving a PTW per day
- 36% of PTW user casualties were killed or seriously injured (1,134)
- 1 in 6 KSI accidents involved a PTW (1,101 in total)
- 25% of PTW accidents involved no other vehicles (763)
- 16% of all males killed or seriously injured were PTW users
- 91% of casualties in PTW accidents were PTW users
- 34% of PTW accidents occurred during the summer (June-August)
- Two-thirds of PTW accidents occurred on an A-road (2,015)
- 11% of accidents on single carriageway A-roads involved a PTW (642)
- 44% of PTW accidents occurred at a junction (1,322)

In 2006 on the 2006 trunk road network:

- The PTW casualty rate was 8 times higher than for cars
- The PTW KSI casualty rate was 35 times higher than for cars
- The PTW casualty rate was 2.6 times higher on A-roads than on motorways
- In 2006, the number of KSI PTW user casualties had increased by 11% from the 1994-98 average

The number of licensed motorcycles increased from 0.72M in 1994 to 1.1M in 2006.

A.4.2 Factsheet - PTWs

Accident data relating to trunk road (2006 network) accidents involving PTWs, 2004-2006

1. There were 3,014 accidents involving PTWs between 2004 and 2006 (7.0% of all accidents), involving 3,159 PTW user casualties (4.4% of all casualties).
2. PTW users were the only user group where the number of killed or seriously injured casualties rose in 2006 from the 1994-1998 baseline (340) – 374, an increase of 10%.

3. 36% PTW casualties were killed or seriously injured (1,134), compared with 11% for all casualties. PTW casualties accounted for 15% of all KSI casualties.
4. The PTW casualty rate in 2006 was 148 casualties per 10⁸ vehicle km, which was 8 times higher than for cars.
5. The PTW KSI casualty rate in 2006 was 55 casualties per 10⁸ vehicle km, which was 35 times higher than for cars.
6. The PTW casualty rate on A-roads in 2006 was 226 casualties per 10⁸ vehicle km, which was 2.6 times higher than the PTW casualty rate on motorways (89).
7. The number of licensed motorcycles increased from 0.72M in 1994 to 1.1M in 2006.
8. 89% of casualties in PTW accidents were PTW users, and 97% of (PTW) KSI casualties were PTW users.
9. 52% of PTW accidents occurred on non-built up 'A' roads, 39% of these were KSI accidents.
10. 33% of PTW accidents occurred on motorways, 46% on dual carriageway A-roads (including roundabouts), and 21% occurred on single carriageway A-roads.
11. 29% of PTW accidents occurred at the weekend, 34% occurred in the summer.
12. 88% of PTW user casualties were male.
13. 16% of all males killed or seriously injured on the trunk road network (all modes) were riding PTWs (either as rider or passenger).
14. 31% of PTW riders involved in accidents were aged 31 to 40.
15. About 60% of licensed motorcyclists 2004-2006 were between 30 and 49 years of age.
16. 44% of PTW accidents occurred at a junction, compared with 29% of all accidents.
17. 25% of PTW accidents were single vehicle accidents. 45% of these were fatal or serious, 38% occurred in the summer, and 39% were at the weekend.
18. 35% of single vehicle PTW accidents occurred at a junction, compared with 44% of all other accidents involving a PTW
19. 48% of PTW accidents at junctions were at roundabouts.
20. 53% of single PTW accidents occurred when the PTW was 'going ahead other'. 29% occurred when the PTW was 'going ahead left or right bend'.



A.5 Factsheet - Commercial Vehicles

A.5.1 Headlines

Between 2004 and 2006 on the 2006 trunk road network:

- 22% of accidents involved an HGV
- 12% of accidents involved an LGV
- 61% of HGV accidents were on motorways, 39% were on A-roads
- 53% of LGV accidents were on motorways, 47% were on A-roads
- 81% of casualties in HGV accidents were not HGV drivers/passengers
- 62% of casualties in LGV accidents were not LGV drivers/passengers
- 16% of accidents involving an HGV were fatal or serious
- 13% of accidents involving an LGV were fatal or serious
- The HGV occupant casualty rate on A-roads of 7.9 casualties per 10⁸ vehicle km) was 65% more than the rate on motorways (4.8)
- The LGV casualty rate on A-roads (8.5 casualties per 10⁸ vehicle km) was 40% more than the rate on motorways (6.1)
- The LGV casualty rates were higher than HGV casualty rates on both A-roads and Motorways, and Motorways showed a greater difference.
- 23% of accidents involving an HGV occurred at a junction
- 26% of accidents involving an LGV occurred at a junction

On motorways

- 27% of motorway accidents involved an HGV
- 13% of motorway accidents involved an LGV
- About 1 in 8 HGV accidents (13%) were fatal or serious

A.5.2 HGV factsheet

Accident data relating to trunk road accidents (2006 Network) involving Heavy Goods Vehicles and occupants in 2004–2006. It should be noted that 'HGV' or 'Heavy goods vehicle' in this context means any goods vehicle over 3.5 tonnes, as in the STATS19 definitions.

1. 10,150 (22%) of the 45,610 trunk road accidents 2004 - 2006 involved at least one HGV.
2. 21% of trunk road casualties were in HGV-involved accidents, of which 81% were not HGV occupants.
3. 3.5% of HGV accidents were fatal, 12% were serious, and the remaining 84% were slight.
4. HGV involved accidents accounted for 35% of fatal accidents, 24% of serious accidents, and 22% of slight accidents.

5. The majority of HGV-involved accidents were between two vehicles (64%) and 13% of these accidents resulted in fatal or serious injury.
6. 7% of HGV-involved accidents involved only one vehicle and 27% of these accidents resulted in fatal or serious injury.
7. 37% of HGV-involved accidents were on A-roads.
8. 78% (7,946) of accidents involving HGVs took place away from junctions, 22% (2,203) took place at or within 20m of junctions. 37% of junction accidents were at roundabouts (820 of 2,203), of which 7% (61/820) were fatal or serious.



9. HGV accidents accounted for 27% of motorway accidents, and 17% of A-road accidents. 20% of HGV accidents on A-roads were fatal or serious compared with 13% on motorways.
10. 79% of A-road HGV accidents were on dual carriageways, 21% on single carriageways. 27% of the accidents on single carriageway A-roads were fatal or serious.
11. 74% of HGV accident took place in daylight, 26% occurred in darkness.
12. 71% of HGV accidents took place on dry roads, 27% occurred on wet or damp roads.
13. 89% of HGV occupant casualties were drivers and 11% were passengers.



14. 19% of HGV occupant casualties were killed or seriously injured, 81% were slightly injured.
15. 96% of HGV occupant casualties were male and 4% were female.
16. 13% of HGV accidents involved more than one HGV.
17. Between 2004 and 2006, HGVs accounted for 12% of HA motorway traffic and 10% of HA A-road traffic.

A.5.3 LGV factsheet

Accident data relates to trunk road (2006 Network) accidents involving Light Goods Vehicles and occupants, 2004–2006. It should be noted that 'LGV' or 'Light goods vehicle' in this context means any goods vehicle weighing 3.5 tonnes and under, as in the STATS19 definitions.

1. 5,498 (12%) of the 45,610 trunk road accidents 2004 - 2006 involved at least one LGV.
2. 13% (9,422) of all trunk road casualties (71,569) were in LGV-involved accidents, of which 62% (5,884) were not LGV occupants.
3. 2.0% of LGV accidents were fatal, 11% were serious, and the remaining 87% were slight.
4. LGV involved accidents accounted for 11% of fatal accidents, 12% of serious accidents, and 12% of slight accidents.
5. 47% (2,602) of the 5,498 LGV-involved accidents were between two vehicles and 12% (314) of these 2,602 accidents resulted in fatal or serious injury.
6. 9% (515) of the 5,498 LGV-involved accidents involved only one vehicle and 23% (119) of these 515 accidents resulted in fatal or serious injury;
7. 74% of accidents involving LGVs took place away from junctions, 26% (1,426) took place at or within 20m of junctions. 35% (494) of the 1,426 junction accidents were at roundabouts and 28% (405) were at a slip road.
8. 47% of LGV-involved accidents were on A-roads.
9. LGV accidents accounted for 13% of motorway accidents, and 12% of A-road accidents. 15% of LGV accidents on A-roads and 12% of LGV accidents on motorways were fatal or serious.
10. 72% of A-road LGV accidents were on dual carriageways, 28% on single carriageways. 18% of the accidents on single carriageway A-roads and 14% of dual carriageway A-roads were fatal or serious.



11. 78% of LGV accident took place in daylight, 22% occurred in darkness.
12. 66% of LGV accidents took place on dry roads, 33% occurred on wet or damp roads.
13. 72% of LGV occupant casualties were drivers and 28% were passengers.
14. 11% of LGV occupant casualties were killed or seriously injured, 89% were slightly injured.
15. 91% of LGV occupant casualties were male and 9% were female.
16. 11% of LGV accidents involved more than one LGV.
17. Between 2004 and 2006, LGVs accounted for 12% of motorway traffic and 12% of A-road traffic.