Figure A1: Study outline.

Table A1: Characteristics related to the driver and the current driving trip

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Culpable**(n = 133) | **Nonculpable**(*n* = 12) | **Total**(*n* = 145) |
| *n* | % | *n* | % | *n* | % |
| GenderMaleFemale | 10231 | 7723 | 66 | 5050 | 10837 | 7426 |
| Age 16–17 years18–20 years21–24 years | 48445 | 36334\* | 048 | 03367 | 48853 | 36137 |
| Duration of driving licenseaNo/invalid driving license≤6 months>6 months to 1 year>1 year to 2 years>2 years | 440101932 | 438101830\* | 02008 | 0200080 | 442101940 | 33791735 |
| Speeding (exceeding posted speed limit, driving too fast for conditions, or driving hazardously)YesNo | 10627 | 80\*20 | 111 | 892 | 10738 | 7426 |
| Driving under the influence of alcohol/drugsYesNo | 3493 | 2773 | 012 | 0100 | 34105 | 2476 |
| Use of a seatbeltNoYes | 30103 | 2377 | 111 | 892 | 31114 | 2179 |
| Outcome for driverFatal injuryNonfatal, severe injury (AIS score ≥2)Nonfatal, minor injury (AIS score = 0/1)Nonfatal, AIS score unknown | 2056534 | 5142403 | 2460 | 1733500 | 2260594 | 1541413 |
| Driver involved in previous MVCa,bYesNo | 2670 | 2773 | 27 | 2278 | 2877 | 2773 |
| Driver reported previously driving faster than 150 km/h) on public roadsa,bYesNo | 3734 | 5248 | 03 | 0100 | 3737 | 5050 |
| Purpose of the driving tripa,bSocializing with family/friendsRelated to job/school Partying/cruisingOther  | 4214299 | 45153110 | 5202 | 5622022 | 47162911 | 46162811 |
| Mileage of the current driving trip before the collisiona,b0–24 km25–49 km50–99 km≥100 km | 64101010 | 68111111 | 5121 | 56112211 | 69111211 | 67111211 |
| Presence of youth passengersNoYes | 7756 | 5842 | 66 | 5050 | 8362 | 5743 |
| AIS, Abbreviated Injury Scale\*Significantly different (*p* < 0.05) compared to nonculpable drivers (reference group)a Total number differs since current information was missing in several casesb Self-reported by the drivers |

**Table A2: Road type and conditions at the time of the collision**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Culpable**(*n* = 133) | **Nonculpable**(*n* = 12) | **Total**(*n* = 145) |
| *n* | % | *n* | % | *n* | % |
| SeasonWinter (December to February)Spring (March to May)Summer (June to August)Autumn (September to November) | 27294433 | 20223325 | 2433 | 17332525 | 29334736 | 20233225 |
| Time of day0000–0600 hours0600–1200 hours1200–1800 hours1800–2400 hours | 48173434 | 36132626 | 3333 | 25252525 | 51203737 | 35142626 |
| AreaUrban Rural | 14119 | 1189 | 111 | 892 | 15130 | 1090 |
| Road topographyCurvedStraight | 8053 | 6040 | 66 | 5050 | 8659 | 5941 |
| Road visibilityGoodBad | 12211 | 928 | 111 | 928 | 13312 | 928 |
| Lighting conditionsDaylight or road lightingTwilight or darkness | 8746 | 6535 | 111 | 928 | 9847 | 6832 |
| PrecipitationNoneRain/snow | 10825 | 8119 | 84 | 6733 | 11629 | 8020 |
| Road surfaceDry asphaltWet/icy asphalt | 7756 | 5842 | 84 | 6733 | 8560 | 5941 |
| Posted speed limit≤50 km/h60 km/h70 km/h80 km/h≥90 km/h | 203615575 | 152711434 | 13152 | 82584217 | 213916627 | 142711435 |
| Barriers between opposing lanesYesNo | 3130 | 298 | 111 | 892 | 4141 | 397 |