Surface Transport

Data Guide

Surface Planning – June 2013

This document provides a guide to the attendant, casualty and vehicle variables available in csv format.

As stated in the Department for Transport's Reported Road Casualties Great Britain Annual Report;

"This data provides information for road traffic collisions that involve personal injury occurring on the public highway reported to the police. Damage only collision are not included. Data is as reported to the Metropolitan and City of London police services in accordance with the STATS19 national reporting system. The Greater London area comprises 32 London boroughs and the City of London. Data is collected by police at the scene of an accident or in some cases reported by a member of the public at a police station, then processed and passed by the police to Transport for London for checking and analysis.

Comparisons with death registrations show that very few, if any, fatal accidents do not become known to the police. However, it has long been known, that a considerable proportion of non-fatal injury accidents are not reported to the police and are therefore not included. There is no legal obligation to report accidents, provided the parties concerned exchange personal details at the scene. In addition, earlier research suggests a fifth of casualties reported to the police may be unrecorded. Studies confirm the view that the police are more likely to underestimate severity of injury because of the difficulty in distinguishing severity at the scene of the accident. Data may not be a complete record of all injury accidents and this should be borne in mind when undertaking analysis. However, police data on road accidents (STATS19) remain the most detailed, complete and reliable single source of information on road casualties."

latest available version can be found here:
https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/9280/rrcgb2011-complete.pdf)

List of variables used

Attendant items

AREFNO - Collision reference number e.g. 0112TA00123
OSGR E - Ordnance Survey easting of collision location
OSGR N - Ordnance Survey northing of collision location
ASEVACC - Severity of collision 1 Fatal, 2 Serious, 3 Slight
ACASNO - Number of casualties in collision
AVEHNO - Total number of vehicles involved in the collision
ADATES - Date of collision
ADATES DAY - Day of collision e.g. 'Monday'
ATIME – time of collision
BOROUGH NAME – name of borough e.g. Southwark
HWY - Highway Authority - 1 TLRN, 2 HA, 3 BOR
ARDCLS1 - 1st road class - Unknown, Not Applicable, M, A(M), 3 A, B,
C, Unclassified
ARDNUM1 -1st road number
ARDTYPE - Road type -1 Roundabout, 2 One-Way St, 3 Dual CWY, 6 Single CWY
7 Slip Rd, 9 Unknown
ASPEEDB - Speed Limit (banded) - 1 <= 20 Mph, 2 30 Mph, 3 40 Mph, 4 50 Mph
5 60 Mph, 6 70 Mph
AJUNDET - Junction detail - 0 No Jun In 20m, 1 Roundabout, 2 Mini- Roundabout
3 T/Stag Jun, 5 Slip Road, 6 Crossroads, 7 Multi Jun, 8 Private Drive, 9 Other Jun
99 Unknown
AJUNCNT - Junction control - -1 Unknown, -2 Not Applicable, 1 Auth Person, 2 Auto
Sig, 3 Stop Sign, 4 Give Way or uncontrolled, 9 Unknown
ARDCLS2 – 2nd road class – see ARDCLS1 for variables
ARDNUM2 -2nd road number
APEDCRS- Pedestrian crossing facilities – 0 No Xing Facility In 50m, 1 Zebra
4 Pelican or Similar, 5 Ped Phase at ATS, 7 Footbridge Or Subway, 8 Central
Refuge, 9 Unknown
ALIGHTB DECODED -Banded light conditions - Dark, Daylight
AWEATHD - Weather details - 1 Fine, 2 Raining, 3 Snowing, 4 Fine/High Winds
5 Raining/High Winds, 6 Snowing/High Winds, 7 Fog/Mist, 8 Other, 9 Unknown
ARDSUR - Road surface - 1 Road-Dry, 2 Road-Wet, 3 Road-Snow, 4 Road-
Frost/Ice, 5 Road-Flood, 6 Road-Oil/Diesel, 7 Road-Mud, 9 Unknown
ASPCOND - Special conditions at site - 0 None, 1 Traffic Sig Out, 2 Traffic Sig Def
3 Road Sign Defective, 4 Road Works, 5 Surface Defective, 6 Oil or Diesel, 7 Mud 9
Unknown
ACARRHAZ - Carriageway hazards -0 None, 1 Vehicle Load In Cwy, 2 Other Object
in Cwy, 3 Involve Previous collision, 6 Ped in Cwy - not injured, 7 Animal in Cwy (not
rid-Horse), 9 Unknown
APOLICER - Place accident reported 1 Police at scene - 2 Police over counter - 3
Self completion

Casualty items

Definitions of casualty severity

The following definitions are taken from *Stats 20: Instructions for the completion of Road Accident Reports – DfT October 2004:*

https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/48824/stats20-2011.pdf

Fatal injury: 'fatal' injury includes only those cases where death occurs in less than 30 days as a result of the collision. 'Fatal' does not include death from natural causes or suicide.

Serious injury: examples of 'serious' injury are: Fracture, internal injury, severe cuts, crushing, burns (excluding friction burns)Concussion, severe general shock requiring hospital treatment, detention in hospital as an in-patient, either immediately or later, injuries to casualties who die 30 or more days after the collision from injuries, sustained in that collision.

Slight injury: examples of 'slight' injury are: sprains, not necessarily requiring medical treatment, neck whiplash injury bruises, slight cuts, slight shock requiring roadside attention

AREFNO - Collision reference number e.g. 0112TA00123
CREFNO - Unique casualty reference within the collision
CCLASS - Casualty class - 1 Driver/Rider, 2 Passenger, 3 Pedestrian
CSEX - Casualty sex -1 Unknown, 1 Male, 2 Female, 9 Unknown
CAGEB2 DECODED - Banded age -0-15, 16-24, 25-59, 60+, unknown
CAGE - Age of casualty
CASUALTY COUNT – Number of casualties in collision
CSEVCAS - Casualty severity - 1 Fatal, 2 Serious, 3 Slight
CUSER - Casualty mode of travel - 1 Pedestrian, 2 Pedal Cycle, 3 Powered 2 Wheeler, 4 Car, 5 Taxi, 6 Bus Or Coach, 7 Goods Vehicle, 8 Other Vehicle
CPEDLOC - Pedestrian location -2 Not applicable, 1 Crossing Road on Ped Xing 2 Crossing Road in Zig-Zag App, 3 Crossing Road in Zig-Zag Exit, 4 Crossing Road within 50m Xing, 5 Crossing Road (Not On Xing), 6 On Footpath – Verge
CCARPAS - Car passenger location - -1 Unknown Seat, 0 Not Car Pass, 1 Front Seat, 2 Back Seat, 9 Unknown
CPSVPAS - Casualty PSV passenger - -1 Unknown - 0 Not A PSV Passenger 1 Boarding PSV - 2 Alighting PSV - 3 Standing On PSV - 4 Seated On PSV 9 Unknown (S/R)

Vehicle items

AREFNO - Collision reference number e.g. 0112TA00123
VREFNO - Vehicle reference number (within collision not VRN)
VTYPE - Type of Vehicle -1 Unknown - 1 Pedal Cycle - 2 M/C =<50cc 3 M/C 51-125cc - 4 M/C126-500cc - 5 M/C >500cc - 6 Private hire vehicle (licensed)
7 Private hire vehicle (unlicensed) - 8 Taxi - 9 Car - 10 Minibus - 11 Bus/Coach
14 Other Mot Vehicle - 15 Other Non Mot - 16 Ridden Horse - 17 Agric Vehicle
18 Tram - 19 Gds =<3.5t - 20 Gds 3.5-7.5t - 21 Gds =>7.5t - 97 M/C unknown cc
98 Goods unknown weight - 99 Unknown
VTYPEB - Banded vehicle type - 1 Pedal Cycle, 2 Powered 2 Wheeler, 3 Car
4 Taxi, 5 Bus Or Coach, 6 Goods Vehicle, 7 Other Vehicle
VMANOUV - Vehicle manoeuvres - -1 Unknown, 1 Reversing, 2 Parked, 3 Going Ahead Held Up, 4 Slowing/Stopping, 5 Moving off, 6 U-Turning, 7 Turning Left
8 Waiting To Turn Left, 9 Turning Right, 10 Waiting To Turn Right, 11 Change Lane To Left, 12 Change Lane To Right, 13 Overtake Move Vehicle O/S, 14 Overtake Stat Veh O/S, 15 Overtaking Nearside, 16 Going Ahead Left Bend, 17 Going Ahead Right Bend, 18 Going Ahead Other, 99 Unknown
VSKID - Vehicle skidding and overturning -0 No Skidding/Overturn, 1 Skidded
2 Skid/Overturned, 3 J/Knifed, 4 J/Knifed O/T, 5 Overturn, 9 Unknown
VRLANE - Vehicle restricted lane - -1 Unknown, 0 On Main Carriageway – Not Rest, 1 Tram Track, 2 Bus Lane , 3 Bus way, 4 Cycle Lane (On Cwy), 5 Cycleway/Footway (Separated), 6 Lay-By/Hard Shoulder, 7 Entering Lay-By/Hard Shoulder, 8 Leaving Lay-By/Hard Shoulder, 9 Footway, 99 Unknown
VJUNLOC - Junction location of vehicle at first impact - -1 Unknown, 0 Not At (within 20m of) Jct, 1 Jct App, 2 Jct Cleared, 3 Leaving roundabout, 4 Entering roundabout
5 Leaving main road, 6 Entering main road, 7 Entering from slip, 8 Jct mid,
9 Unknown
VOBJIN - Vehicle hit object in carriageway - -1 Unknown, 0 None, 1 Hit Previous collision, 2 Hit Road Works, 4 Hit Parked vehicle, 5 Hit Bridge Roof, 6 Hit Bridge Side
7 Hit Bollard, 8 Hit Open Door, 9 Hit Roundabout, 10 Hit Kerb, 11 Hit Other Object
12 Hit animal (not ridden horse), 99 Unknown
VLEAVE - Vehicle leaving carriageway - -1 Unknown, 0 Did Not Leave, 1 Left Cwy Nearside, 2 Left Cwy Nearside/Rebound, 3 Left Cwy Ahead At Jnct, 4 Left Cwy Onto Central Res, 5 Left Cwy Onto Res/Rebound, 6 Left Cwy Cross Cent/Res, 7 Left Cwy Offside, 8 Left Cwy Offside/Rebound, 9 Unknown
VOBJOFF - Vehicle hit object off carriageway - -1 Unknown, 0 None, 1 Hit Rd Sign/ATS, 2 Hit Lamp Post, 3 Hit Telegraph, 4 Hit Tree, 5 Hit Bus Stop, 6 Hit Central Bar, 7 Hit Nr/Off Bar, 8 Submerged, 9 Entered Ditch, 10 Hit Other Object, 99 Unknown
VIMPACT - First point of impact - -1 Unknown, 0 Did Not Impact, 1 Front Hit First
2 Back Hit First, 3 O/S Hit First, 4 N/S Hit First, 9 Unknown

Vehicle items contd.

VJNYPURP - Vehicle journey purpose - 1 Jny Part of work, 2 Commuting to/from school, 3 Taking pupil to/from school, 4 Pupil riding to/from school, 5 Other/Not known
VDRVSEX - Sex of driver - 1 Male, 2 Female, 3 Not Traced
VDRVAGE - Driver Age
VDRVAGG DECODED - Driver age (Banded) - 0-16, 17-24, 25-34, 36-64, 65+ Unknown

Attendant, Casualty and Vehicle data sets can be linked by using unique collision reference

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A copy of the form (STATS19) used to collect the data is available on the Department's website:
http://assets.dft.gov.uk/statistics/series/road-accidents-and-safety/stats19-road-accident-injury-statistics-report-form.pdf

A copy of the guidance and instructions for completion of the form is also available at:
http://assets.dft.gov.uk/statistics/series/road-accidents-and-safety/stats20-instructions-for-the-completion-of-road-accident-report-form-stats19-2011.pdf

Further analysis of London's collision and casualty data can be found in the various publications produced by TfL and are available via our website;
www.tfl.gov.uk/roadsafety

Please contact TfL enquire@tfl.gov.uk if you require further clarification.