

STATS 19 – The Truth, The Whole Truth & Nothing But The Truth ?



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STATS 19 – The Truth, The Whole Truth & Nothing But the Truth?



Den SYMONS MIHE. MCIHT. MSoRSA.

Road Safety Engineer (Area 1 MAC)

EnterpriseMouchel

SoRSA

SoRSA Conference – 15th June 2010

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The STATS19 report form consists of a record of collision circumstances, a record for each vehicle involved, and a record for each casualty arising from the injury collision.

In 2008, local authorities and police forces collected, coded, checked and reported 170,000 collision records, 310,000 vehicle records and 230,000 casualty records to central government.

BUT – Is it 'The Truth, The Whole Truth & Nothing BUT The Truth

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2008 UK Road Collision Casualties

2,538 killed – 7 each day

26,034 serious / life changing injuries – 3 every hour

202,333 injured – 23 every hour

1 every 2 minutes

In a country which has one of the
BEST road safety records in the world.

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The STATS 19 Data has been collected since 1926, in which year there were 4,886 fatalities in some 124,000 crashes.

Between 1951 and 2006 a total of 309,144 people were killed and 17.6 million persons were injured in collisions on British roads.

The highest number of deaths in any one year was 9,169 people in 1941 during World War 2.

The highest figure during peacetime was 7,985 in 1966

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So how did we get here?



Bridget Driscoll – 17th August, 1896

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And Since Then?



over 30,000,000



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So how accurate is the Data?

Experience of the Police Officer collecting

Reliability of the circumstances from each driver

Reliability of the independent witnesses

Accuracy of the Data Clerk – Validation Checks

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No. of casualties <input type="text"/> No. of vehicles <input type="text"/>	RESTRICTED 	MG NCRF/A Sept. 2004	Incident URN <input style="width:100%;" type="text"/> Other ref. <input style="width:100%;" type="text"/>
COLLISION REPORT Report <input type="text"/> of <input type="text"/> Reports † Circle one only as appropriate			
FATAL† SERIOUS† SLIGHT† NON INJURY† NON STOP x <input type="checkbox"/> POLICE VEHICLE INVOLVED x <input type="checkbox"/>			
TIME <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> DAY* <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> DATE <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> 2 0 <input type="text"/> <input type="text"/>			
1st Road Class & No. <input type="text"/> or (Unclassified - UC) (Not Known - NK) Temp. <input type="text"/>		1st Road Name or Location <input type="text"/>	
Outside House No. / Name or Marker Post No. <input type="text"/>		at junction with/or <input type="text"/> metres <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> * of	
Speed Limit <input type="text"/> <input type="text"/> <input type="text"/> x		2nd Road Class & No. <input type="text"/> or (Unclassified - UC) (Not Known - NK) 2nd Road Name or Location <input type="text"/>	
Town <input type="text"/>		Sector/Beat No. <input type="text"/>	
County or Borough <input type="text"/>		Division <input type="text"/>	
Parish No. or Name <input type="text"/>		Grid Reference <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	
REPORTED TO POLICE Time <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> Date <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> 2 0 <input type="text"/> <input type="text"/>			
Where reported-at scene x <input type="checkbox"/> or <input type="text"/>			
Person making report to Officer/Police Staff <input type="text"/>			
Rep. Officer or Police Staff Name <input type="text"/>		No. <input type="text"/>	
BCU/Division <input type="text"/>		Time of arrival at scene (if attended) <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	
Station <input type="text"/>		Photo/Video Taken *YES/NO <input type="text"/>	Collision Investigator attended *YES/NO <input type="text"/>
Investigating Officer Name (if different) <input type="text"/>		by/ref.	No. <input type="text"/> Stn or Unit <input type="text"/>
HOW COLLISION OCCURRED <i>This is an initial opinion of how the collision occurred based upon the information available at the time which could change in the light of future enquiries</i>			

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Sept. 2004

MG NSRF/A

ACCIDENT STATISTICS

*FATAL / SERIOUS / SLIGHT

Incident URN: _____
Other ref.: _____

1.3 ACCIDENT REFERENCE: _____

1.9 TIME: H H M M DAY* Su M T W Th F S 17 DATE: D D M M 2 0 Y Y

1st Road Class & No. or (Unclassified - UC) (Not Known - NK) _____ 1st Road Name _____
Outside House No. or Name or Marker Post No. _____ at junction with / or _____ metres N S E W * of _____
2nd Road Class & No. or (Unclassified - UC) (Not Known - NK) _____ 2nd Road Name _____

Town _____ Sector / Beat No. _____
County or Borough _____
Parish No. or Name _____ 1.10 Local Auth No. (if known) _____
1.11 Grid Reference: E → _____ N ↑ _____

REPORTING Name _____ Number _____
OFFICER BCU/Stn _____ 1.2 Force _____ Tel Number _____

1.5 Number of vehicles			
1.6 Number of casualties			
1.14 ROAD TYPE			X
Roundabout	1		
One way street	2		
Dual carriageway	3		
Single carriageway	6		
Slip road	7		
Unknown	9		
1.15 Speed Limit (Permanent)			
1.16 JUNCTION DETAIL			X
Not at or within 20 metres of junction	00		
Roundabout	01		
Mini roundabout	02		
T or staggered junction	03		
Slip road	05		
Crossroads	06		
Multiple junction	07		
Using private drive or entrance	08		
Other junction	09		
JUNCTION ACCIDENTS ONLY			
1.17 JUNCTION CONTROL			X
Authorised person	1		
Automatic traffic signal	2		
Stop sign	3		
Give way or uncontrolled	4		

1.20a PEDESTRIAN CROSSING - HUMAN CONTROL			X
None within 50 metres	0		
Control by school crossing patrol	1		
Control by other authorised person	2		
1.20b PEDESTRIAN CROSSING - PHYSICAL FACILITIES			X
No physical crossing facility within 50m	0		
Zebra crossing	1		
Pelican, puffin, toucan or similar non-junction pedestrian light crossing	4		
Pedestrian phase at traffic signal junction	5		
Footbridge or subway	7		
Central refuge — no other controls	8		
1.22 WEATHER			X
Fine without high winds	1		
Raining without high winds	2		
Snowing without high winds	3		
Fine with high winds	4		
Raining with high winds	5		
Snowing with high winds	6		
Fog or mist — if hazard	7		
Other	8		
Unknown	9		
1.23 ROAD SURFACE CONDITION			X
Dry	1		
Wet / Damp	2		
Snow	3		
Frost / Ice	4		
Flood (surface water over 3cm deep)	5		

1.21 LIGHT CONDITIONS			X
Daylight: street lights present	1		
Daylight: no street lighting	2		
Daylight: street lighting unknown	3		
Darkness: street lights present and lit	4		
Darkness: street lights present but unlit	5		
Darkness: no street lighting	6		
Darkness: street lighting unknown	7		
1.24 SPECIAL CONDITIONS AT SITE			X
None	0		
Auto traffic signal out	1		
Auto traffic signal partially defective	2		
Permanent road signing or marking defective or obscured	3		
Roadworks	4		
Road surface defective	5		
Oil or diesel	6		
Mud	7		
1.25 CARRIAGEWAY HAZARDS			X
None	0		
Dislodged vehicle load in carriageway	1		
Other object in carriageway	2		
Involvement with previous accident	3		
Pedestrian in carriageway - not injured	6		
Any animal in carriageway (except ridden horse)	7		
1.26 Did a police officer attend the scene and obtain the details for this report?			X
Yes	1		
No	2		

Subject to local directions, boxes with a grey background need not be completed if already recorded
* Circle as appropriate
UNCLASSIFIED

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So where can it go wrong?

Police Officer or Station Enquiry Clerk collecting

Driver's version of collision

Independent witnesses

Transfer of Data by Data Clerk

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So where can it go wrong?

Assumption of how collision occurred

Reported for Insurance purposes only

No Win No Fee Culture

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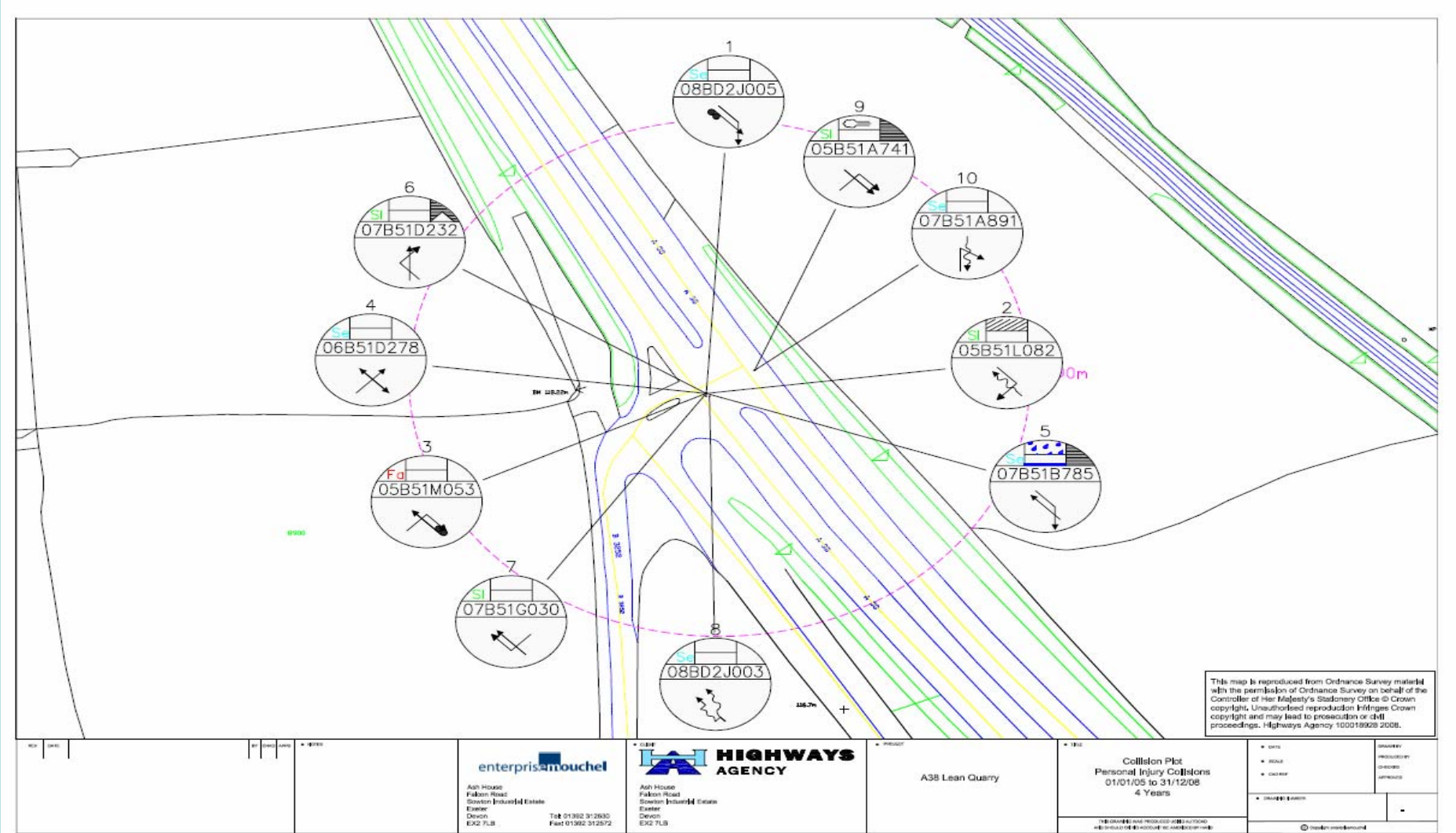


	1	2	3	4	5	6	7	8	9
Reference Number	08BD 2J005	05B5 1M053	06B5 1D278	07B5 1B785	07B5 1D232	07B5 1G030	08BD 2J003	07B5 1A891	05B5 1N513
Date / Day	Mo28	Su18	Mo20	Fr16	Th15	Sa12	Tu01	Tu23	Tu06
Month	Jul	Sep	Mar	Feb	Mar	May	Jul	Jan	Sep
Year	2008	2005	2006	2007	2007	2007	2008	2007	2005
Time	1340	0935	1501	0001	1902	1748	0910	1603	1119
Severity	Se	Fa	Se	Se	SI	SI	Se	Se	SI
Dark / Lit									
Weather Conditions									
Road Surface									
Special Conditions									
Carriageway Hazards									
Vehicle Manoeuvres									
Vehicle	1 5 e								
Vehicle	2 6 t								
Vehicle	3 7 c								
Vehicle	4 8								
Casualty /age									
Failed to Give-Way									
Signal Ignored									
Loss of Control									
Hit Object IN C'way									
Hit Object OFF C'way									
Vehicle Left C'way									
Breath Test									
Contributory Factors	1/2								
* possible, ** very likely	5/6								
School No./Ref.									
User fields:	1								
	2								
	3								
	4								

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SEVERITY FATAL	District Caradon RefNo 05B51M053	A38 Lean Quarry - 2005 to 2008		Grid Reference 227008 / 62065 Police Officer Attend: Yes
Date 18/09/2005 Day Sunday Time 09:35 Weather Fine Road Surface Dry Street Lighting Light/no lights	Road A38 Location LISKEARD - A38 Description VEH1 TRAV AT SPEED. VEH2 WENT TO TURN RIGHT ACROSS CARRIAGEWAY WHEN IT WAS HIT BY FAST APPROACHING VEH1. NO DETAILS REGARDING VEH3.			
SITE DETAILS Speed Limit 70MPH Carriageway Dual c'way Junction Detail T or Staggered junction Junction Control Give way sign or uncontrolled 2nd Road Number B3252 Pedestrian Facilities No Human control within 50m No crossing facility within 50m		SPECIAL SITE CONDITIONS None	CONTRIBUTORY FACTORS 703 Road layout (Driver/Rider - Vision Affected) 306 Exceeding speed limit (Drive/Rider - Injudicious) 703 Road layout (Driver/Rider - Vision Affected)	PARTICIPANT PROBABILITY Vehicle 001 Possible Vehicle 001 Very likely Vehicle 002 Possible
VEHICLES INVOLVED 3		CASUALTIES INVOLVED 3		
Veh.No. 1 Vehicle type M/cycle 125 - 500cc Stolen? Manoeuvre Going ahead other Veh. direction from South east to North west Towing? No Skidded No Veh location at impact (restricted lane) On main carriageway Junct. location of veh. at 1st impact Approaching or parked on approach to junction Veh left carriageway? Left c'way near-side Hit object in c'way? None Hit object off c'way? Road sign or signal First point of impact Front Parts damaged Veh registration no. WA04EHB Other veh.hit (ref.no) 2 Hit and run No Drivers age 26 yrs Sex Male Breath test Not provided Post code Foreign vehicle Not foreign Journey purpose Journey as part of work		Cas No 1 Cas Class Driver or Rider Veh refNo 1 Severity FATAL Age 26 yrs Sex Male Post code Car Passenger? No PSV Passenger? No Ped Movement Not a pedestrian Ped location Not a pedestrian Ped Direction to Not a pedestrian School Pupil Other Roadworker injured No		
Veh.No. 2 Vehicle type Car Stolen? Manoeuvre Turning right Veh. direction from South west to South east Towing? No Skidded No Veh location at impact (restricted lane) On main carriageway Junct. location of veh. at 1st impact Mid junction Veh left carriageway? Did not leave c'way Hit object in c'way? None Hit object off c'way? None First point of impact Front Parts damaged Veh registration no. M748PCF Other veh.hit (ref.no) 1 Hit and run No Drivers age 85 yrs Sex Male Breath test Negative Post code PL14 3Q Foreign vehicle Not foreign Journey purpose Journey as part of work		Cas No 2 Cas Class Driver or Rider Veh refNo 2 Severity SLIGHT Age 85 yrs Sex Male Post code PL14 3Q Car Passenger? No PSV Passenger? No Ped Movement Not a pedestrian Ped location Not a pedestrian Ped Direction to Not a pedestrian School Pupil Other Roadworker injured No		
		Cas No 3 Cas Class Passenger Veh refNo 2 Severity SLIGHT Age 89 yrs Sex Female Post code PL14 3Q Car Passenger? Front PSV Passenger? No Ped Movement Not a pedestrian Ped location Not a pedestrian Ped Direction to Not a pedestrian School Pupil Other Roadworker injured No		

Full Details

08-June-2010

Accident Ref.No 05B51M053

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STATS 19

Recognised for many years NOT a complete record

Majority of Fataals covered

Police do NOT attend all collisions

Details exchanged at scene

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STATS 19 – Other Data

Hospital Episode Statistics (HES)

Provides alternative but NOT equivalent

Comparison with HES data can compliment

Can show UNDER reporting

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STATS 19 Quinquennial Review

Conducted by Review Working Group

Substantial changes made to collection of data 2005

Changes successful especially Contributory Factors

Resulted in net increase of information collected

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STATS 19 Consultation Exercise

Carried out 5 February to 30 April 2009

130 Consultees made formal response

STATS 19 Data used on a regular basis

No alternative source of data to fulfil requirements

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STATS 19 – CRASH (Collision Recording And SHaring)

New Electronic System for Police Reporting

System of secure collection, validation & storage

Will provide improvements in consistency of data

Information already collected could be included

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STATS 19 – CRASH (Collision Recording And SHaring)

DfT funded working with NPIA (National Police Improvement Agency)

System to cover England & Wales only

Pilot for three areas planned early 2011

Roll out to as many forces as possible 2011/12

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Is It The Truth?



Thank You for Listening!