

# Analysis of Road Traffic Accident in Shropshire 2011-2015

## 1 Introduction

The following summary report is an analysis of personal road accidents that occurred on public roads in Shropshire and were reported to the police. Accidents occurring that are damage only, or do not involve injuries or occur in car parks or on private roads are not included in the data as these would not typically be reported. When the police attend, the details of the accident are recorded on the STATS19 accident reporting form and subsequently these have been collated together and have been published by the department for transport.

This analysis just looks at the incidents accidents themselves, rather than the number of vehicles involved or casualties, so an accident involving multiple vehicles and casualties just counts as one accident. It is very rare that any fatal accidents would not be known to the police, and the figures for fatal refer to those people killed immediately or within 30 days of the accident, however, according to the department for transport it has long been known that a considerable proportion of non-fatal accidents are unknown to the police. However, the data from the STATS19 database is the most thorough and detailed source for looking at road accidents in the UK.

## 2 Analysis

Table 1 shows a breakdown of the accidents by year. Over the 5 years combined the police reported on 3,125 accidents, the vast majority (81.7%) were classified as slight accidents, while 16.1% were serious and 70 (2.2%) were fatal.

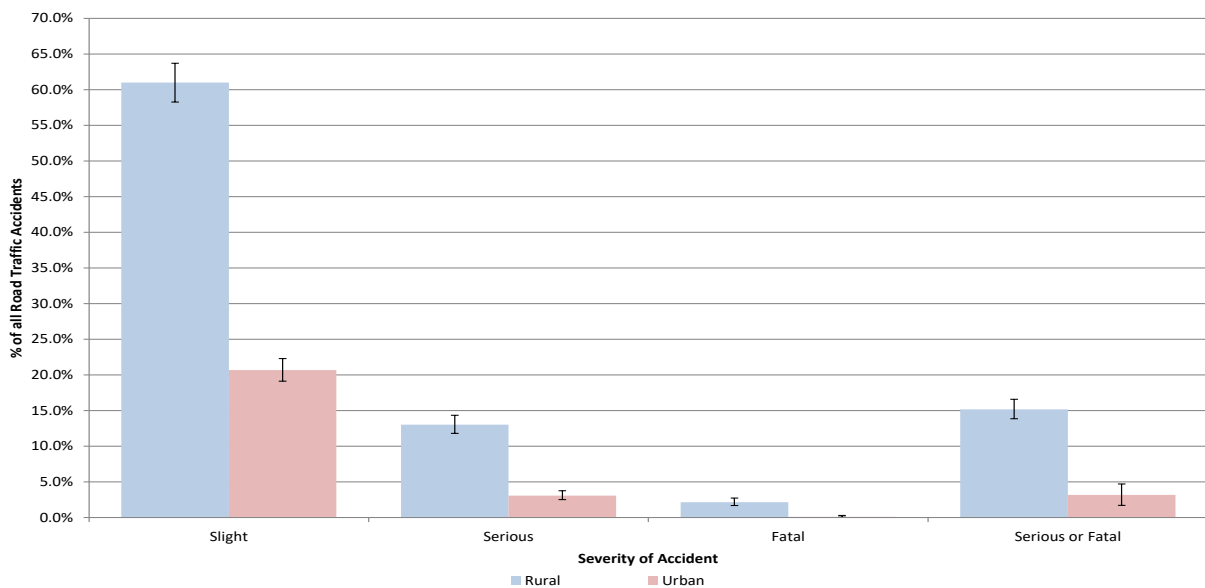
**Table 1: Accident Severity by Year**

	Slight		Serious		Fatal		Serious or Fatal		Total
	Number	% of year	Number	% of year	Number	% of year	Number	% of year	Number
2011	583	85.0%	91	13.3%	12	1.7%	103	15.0%	686
2012	548	82.2%	103	15.4%	16	2.4%	119	17.8%	667
2013	486	82.4%	90	15.3%	14	2.4%	104	17.6%	590
2014	489	80.0%	107	17.5%	15	2.5%	122	20.0%	611
2015	446	78.1%	112	19.6%	13	2.3%	125	21.9%	571
<b>5 year Total</b>	<b>2,552</b>	<b>81.7%</b>	<b>503</b>	<b>16.1%</b>	<b>70</b>	<b>2.2%</b>	<b>573</b>	<b>18.3%</b>	<b>3,125</b>

Source: Accidents Data, STATS19 database, Department for Transport, 2011-2015

Figure 1 shows that significantly more accidents occur on rural roads (76.2%) and accidents on rural roads were significantly higher than urban roads in each accident severity. Serious or fatal accidents account for 18.3% of all accidents over 5 years – 15.2% were on rural roads.

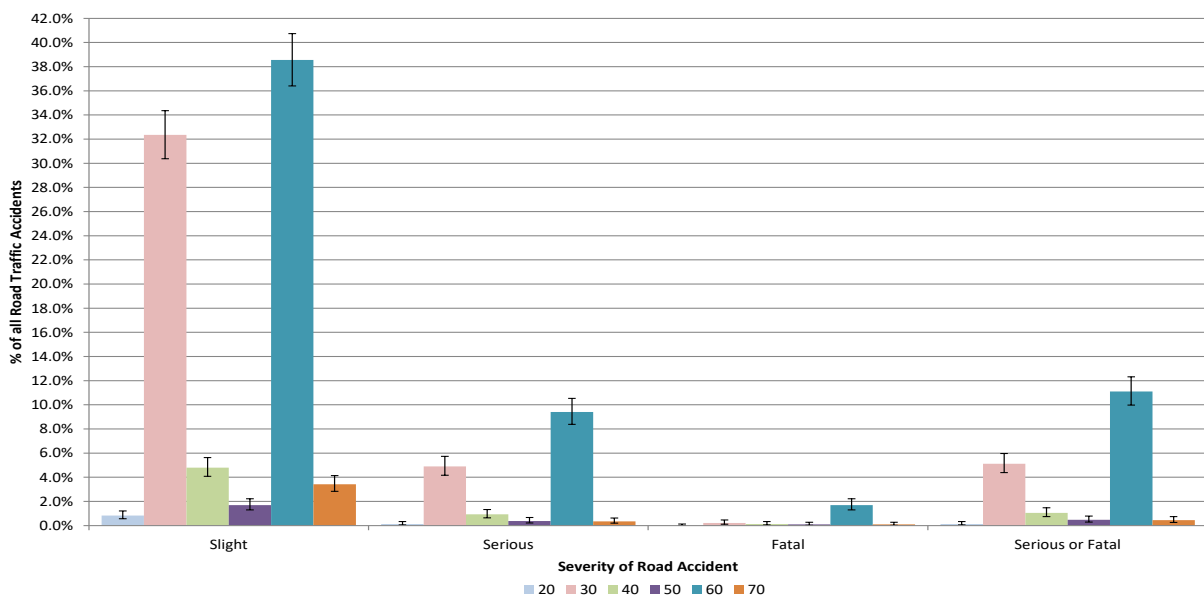
**Figure 1: All Road Traffic Accidents by Rurality and Severity, 2011-2015**



Source: Accidents Data, STATS19 database, Department for Transport, 2011-2015

Figure 2 shows the severity of all accidents by the speed of road it occurred on as a percentage of all accidents. In each of the 4 types of accident severity, significantly more accidents occurred on roads with a 60 mile per hour limit. After this, there were significantly more accidents occurring on 30 mile per hour roads that were classed as slight, serious or serious or fatal accidents, however with fatal accidents there was no significant difference between other road speeds besides 60 miles per hour.

**Figure 2: All Road Traffic Accidents by Road Speed and Severity, 2011-2015**

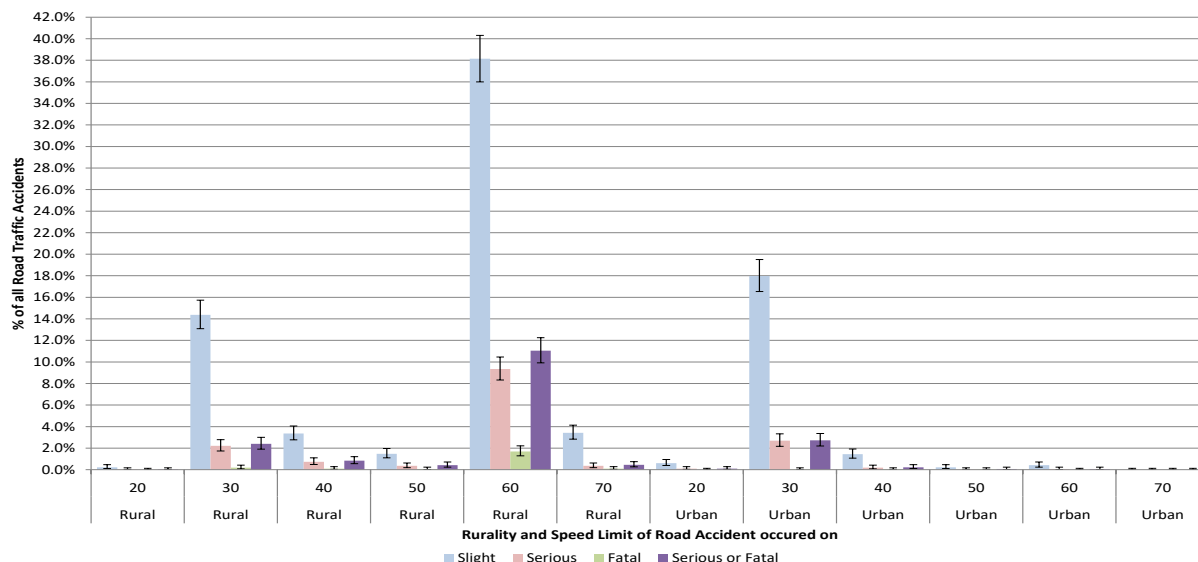


Source: Accidents Data, STATS19 database, Department for Transport, 2011-2015

Figure 3 shows road accidents by severity, speed of road and rurality. Significantly the highest percentage of accidents were slight accidents occurring on rural roads with a 60 speed limit (38.1%), followed by slight accidents in urban roads with a 30 limit (18%) which was significantly higher than the slight accidents occurring in rural

areas with a 30 limit (14.4%). Significantly more serious accidents and more serious or fatal accidents occurred on rural roads with a 60 limit than other speeds.

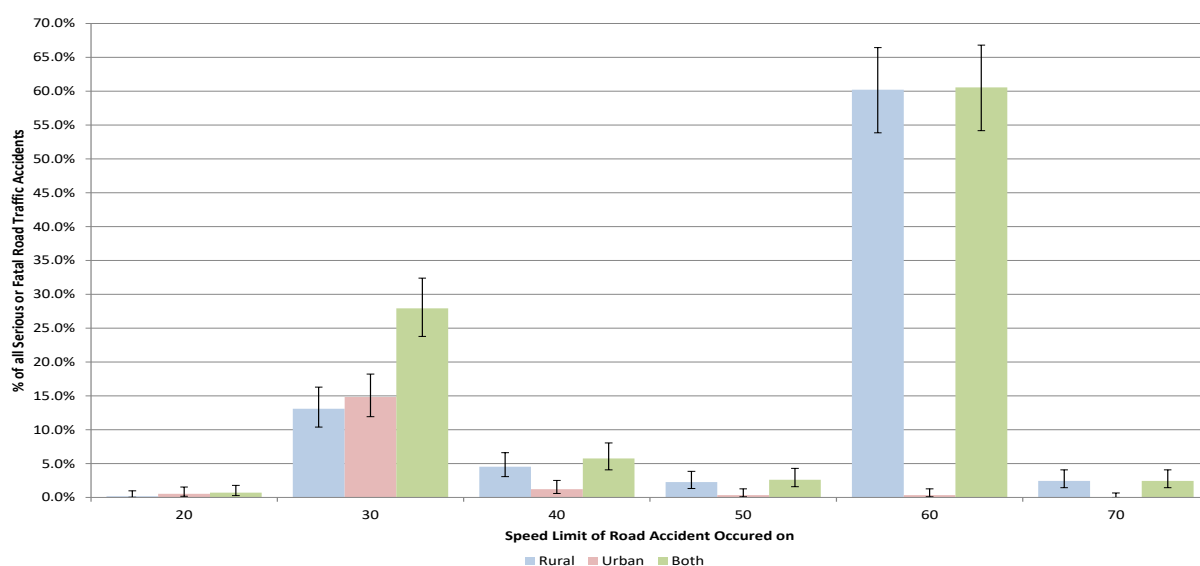
**Figure 3: All Road Traffic Accidents in Shropshire by Rurality, Speed of Road and Severity, 2011-15**



Source: Accidents Data, STATS19 database, Department for Transport, 2011-2015

Figure 4 shows the 573 serious and fatal road traffic accidents and compares the percentage of these by rurality and road speed. Of these accidents, 82.7% occurred on rural roads and 60.2% were on rural roads with a 60 limit, and a statistically similar amount of accidents occurred on urban roads with a 30 limit (14.8%) as did rural roads with a 30 limit (13.1%). Significantly more serious or fatal accidents occurred on rural roads with a 40 limit (4.5%) than urban roads with a 40 limit (1.2%).

**Figure 4: All Serious or Fatal Road Traffic Accidents in Shropshire by Rurality and Speed of Road, 2011-2015**



Source: Accidents Data, STATS19 database, Department for Transport, 2011-2015