



Institute
and Faculty
of Actuaries

Update from the Third Party Working Party

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The materials contained in this presentation pack and any oral representation of it by the working party are explicitly outside the scope of the TAS.



Third Party Working Party

- Ninth iteration of the Institute and Faculty of Actuaries Third Party Working Party (TPWP), which investigates motor claims (injury and property damage).
- Scope focussed on private car comprehensive (PCC) and includes accidental damage analysis for the first time this year.
- Data provided is as at 31 December 2017 and represents earned premium for accident year 2017 of £9.2 billion for private car comprehensive.
- Results from the TPWP were presented at the IFoA Reserving Seminar in June 2018 and GIRO in October 2018.
- This pack contains this year's research to be presented at the TIGI conference in April 2019.



Acknowledgements

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Market statistics

Notes on data

- The collection of contributing insurers has changed materially over the years. Relative to last year's study this year's includes additional data from some contributors (generally relating to more accounts) and, in some cases, less data from other contributors.
- In addition, in each year it is common for a number of insurers to make relatively subtle changes to their definitions of claim statistics. In the aggregate, these lead to distortions when comparing the market studies between different years.
- Not all contributors are able to supply data to support every claim statistic in each study. There are generally (but not always) improvements in the availability of data from year to year, and as such, the results of the most recent study will be based upon data from an increased proportion of the contributor companies (and not just new contributors). Again, this introduces a material distortion into any analysis which attempts to compare the results across different studies.
- It is reasonably common for insurers to restate the claims statistics of prior accident years (and prior periods of development), particularly in the case where portfolios (including movements on prior year liabilities) have been acquired or disposed of by the contributor(s) in question. Other reasons for such changes can be changes in the availability of granular data pertaining to (potentially large) segments of portfolios (such as in the case where data is provided by bordereaux rather than being integrated in insurer administration systems) or in some cases changes in the mapping of data to classes.
- **For this reason, we would recommend that if the user of the research wishes to understand how trends have evolved over time, then they should focus on looking at trends by accident year within the latest study, rather than attempting to compare the results across studies. This is particularly true this year where there has been more movement in the data between studies than in previous years.**
- Likewise we do not consider statistically valid any back engineering of individual contributors' contributions.



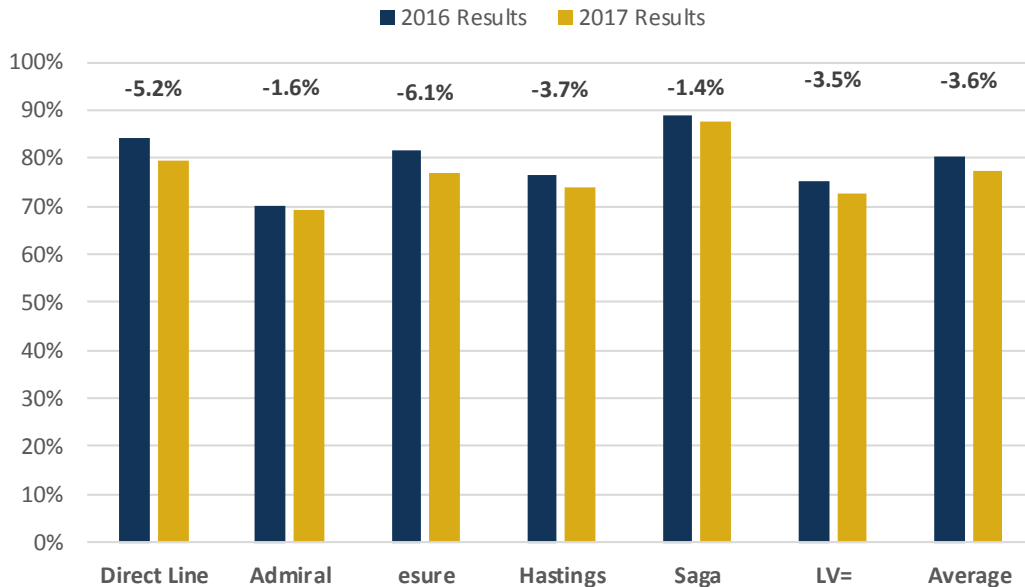


- 1. 2017 Performance**
- 2. Market Statistics: AD**
- 3. Market Statistics: TPD**
- 4. Market Statistics: Capped TPI**
- 5. Market Statistics: Excess TPI**
- 6. 2018 and beyond**

2017 Motor Performance

Company Results

UK Motor Loss Ratio Performance 2016 to 2017



- Note : Loss ratios derived from published company accounts and exclude prior year movements. Results for some companies include Commercial Motor and Other Personal Lines products.

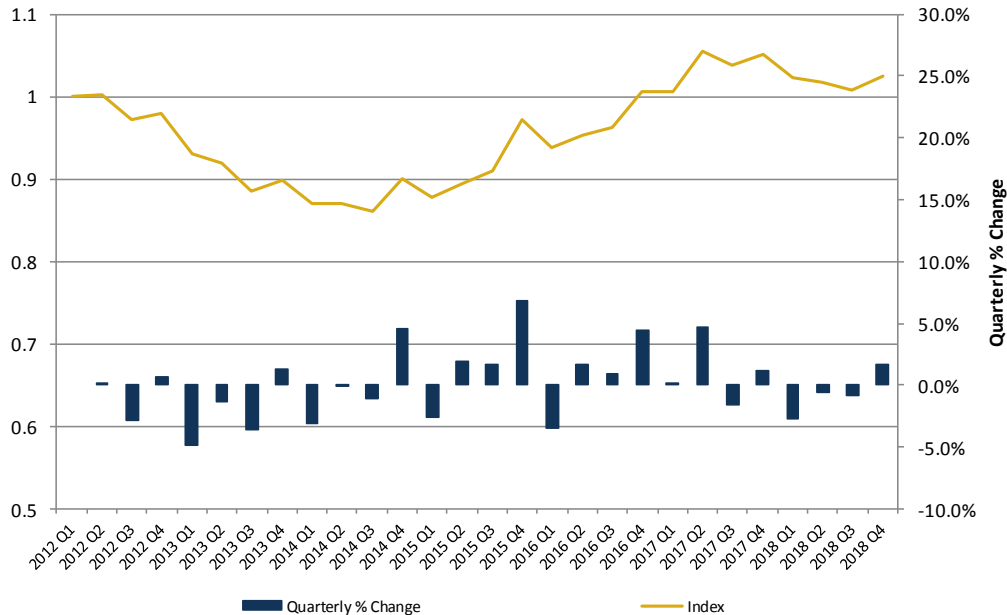
- Most Motor insurers declared an improvement in loss ratio in 2017 compared to 2016.
- For the companies featured in the graph, the improvement ranges from 1% to 6% with the average 3.6%.
- EY estimated a reduction in COR from 109.4% in 2016 to 98.4% in 2017 (excluding Ogden related release of 1.6%) – an improvement of 10%.
- What was the cause of this improvement?



2017 Motor Performance

Premium Rates

ABI Premium Tracker (exc IPT)



- ABI Premium Tracker (excluding IPT) showed strong increase in premium from £359 in 2014 Q3 to £440 in 2017 Q2, an increase of 8% per annum.
- Premiums have fallen to £428 at 2018 Q4 a reduction of 2% per annum from 2017 Q2.
- On an earned basis the 2017 accident period premium is £419 which is an increase of 6.6% from 2016.
- For the 2018 accident period the average premium is £430, an increase of 2.7% from 2017.



2017 Motor Performance

TPWP Projected Results

Accident Year	Burning Cost (£) – Ogden -0.75%				
	AD	TPD	Capped TPI	Excess TPI	Total AD + TP
2008	66	73	89	35	263
2009	64	75	111	45	294
2010	62	74	122	48	305
2011	49	68	129	44	291
2012	50	69	127	46	292
2013	49	67	100	47	263
2014	51	71	96	65	283
2015	56	74	91	56	276
2016	60	78	87	68	293
2017	60	77	78	65	281

- In 2017 the TPWP estimate burning cost reductions of 4%. Taken with the premium increases from the ABI Premium Tracker would imply a loss ratio improvement in 2017 of 10%.
- This is higher than seen in the company results but is reasonably consistent with EY's estimate.
- There are a number of reasons why the company results would be different to the TPWP:
 - TPWP does not include all elements of claim cost (FT, WS and PPOs).
 - TPWP is gross whereas company results are net.
 - Company results include margin.
 - Company results are only presented for a subset of the market.
- The drivers of the TPWP results are discussed in more detail on subsequent slides.





1. 2017 Performance

2. Market Statistics: AD

3. Market Statistics: TPD

4. Market Statistics: Capped TPI

5. Market Statistics: Excess TPI

6. 2018 and beyond

7. Conclusions

Market statistics - AD

Projected Results

Projected Ultimate AD Results for Private Car Comprehensive

Accident Period	Earned Exposure (millions of vehicle years)	Ultimate AD Claim Frequency (Non-nil claims per million vehicle years)	Ultimate AD Gross Claim Severity (£)	Ultimate AD Recovery Rate (%)	Ultimate AD Net Claim Severity (£)	Ultimate AD Net Burning Cost (£)	Year-on-Year Change in Frequency (% pa)	Year-on-Year Change in AD Gross Severity (% pa)	Year-on-Year Change in AD Recovery Rate (% pa)	Year-on-Year Change in AD Net Severity (% pa)	Year-on-Year Change in AD Net Burning Cost (% pa)
2008	17.5	67,459	1,552	37.2%	975	65.8	-14.8%	3.9%	-1.7%	5.0%	-10.5%
2009	17.6	65,273	1,594	38.5%	981	64.0	-3.2%	2.7%	3.5%	0.6%	-2.7%
2010	17.5	60,846	1,681	39.6%	1,015	61.8	-6.8%	5.4%	2.9%	3.5%	-3.5%
2011	17.9	49,299	1,698	41.2%	998	49.2	-19.0%	1.0%	4.2%	-1.7%	-20.4%
2012	18.6	47,395	1,796	41.8%	1,046	49.6	-3.9%	5.7%	1.3%	4.8%	0.8%
2013	18.8	46,373	1,815	42.3%	1,046	48.5	-2.2%	1.0%	1.4%	0.0%	-2.1%
2014	19.1	47,189	1,901	42.9%	1,085	51.2	1.8%	4.8%	1.4%	2.7%	5.5%
2015	19.7	47,783	2,040	42.5%	1,173	56.0	1.3%	7.3%	-0.9%	8.1%	9.4%
2016	20.7	46,680	2,263	43.2%	1,286	60.0	-2.3%	10.9%	1.5%	9.7%	7.1%
2017	21.4	43,786	2,433	43.3%	1,380	60.4	-6.2%	7.5%	0.3%	7.3%	0.6%
Average (2010 to 2017)							-4.6%	5.4%	1.3%	4.5%	-0.3%
Average (2012 to 2017)							-1.6%	6.3%	0.7%	5.7%	4.0%
Average (2014 to 2017)							-2.5%	8.6%	0.3%	8.3%	5.7%







- AD frequency is estimated to have fallen in the last two accident years with a 6.2% reduction in 2017.
- AD net severity is very high averaging 8.3% p.a. over the last three years.



Market statistics - AD

Driver assistance technology

SEMI-AUTONOMOUS SAFETY TECH ON UK NEW CAR REGISTRATIONS

		Fitted as Standard	Optional fitment	Total
Collision Warning System		1,071,728 (39.8%)	727,052 (27.0%)	1,798,780 (66.8%)
Parking Assistance		589,720 (21.9%)	993,638 (36.9%)	1,583,358 (58.8%)
Automatic Emergency Braking		764,751 (28.4%)	665,118 (24.7%)	1,429,869 (53.1%)
Overtaking Sensor		140,024 (5.2%)	993,638 (36.9%)	1,113,662 (42.1%)
Adaptive Cruise Control		185,802 (6.9%)	788,986 (29.3%)	974,788 (36.2%)
Blind Junction View		8,078 (0.3%)	253,121 (9.4%)	261,199 (9.7%)

- According to SMMT, nearly **70%** of new cars in the UK in 2017 had some form of driver assistance technology.
- Euro NCAP's 5 year road map shows a number of more advanced driver assistance technologies will be required for a 5 star rating in the coming years.
- As the UK Car Park is renewed these technologies will become increasingly common.

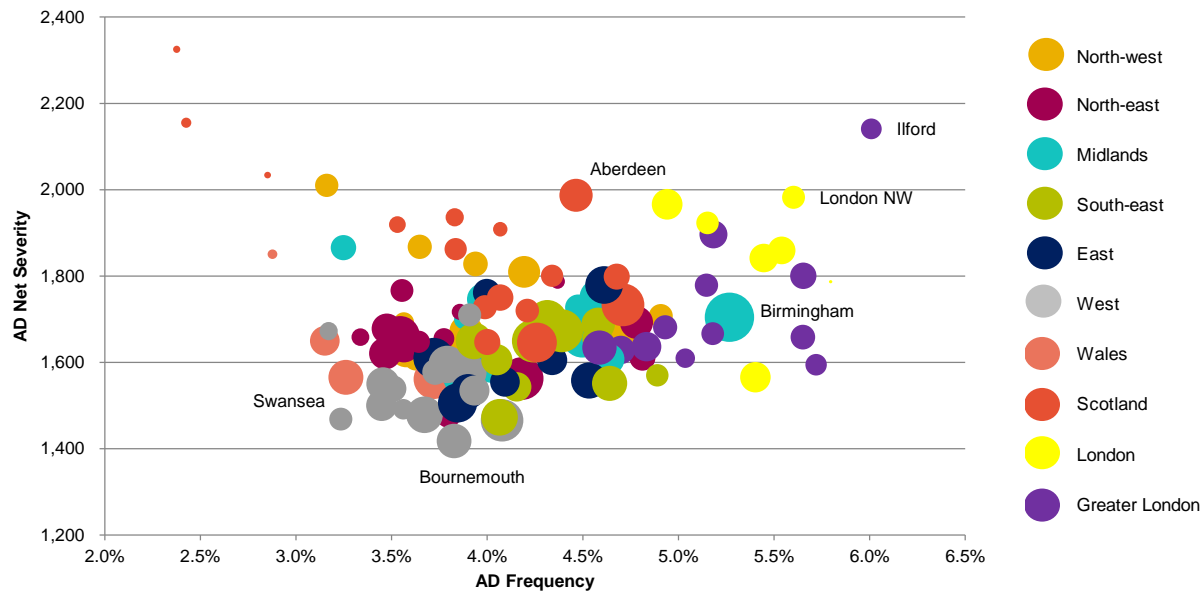
- The increase in technology in cars is leading to higher repair costs as shown by some quotes obtained by What Car? (2016-7)
 - Forward collision warning for Jeep Renegade – minor bumper collision with pheasant (no visible damage) - **£900**
 - Autonomous emergency braking (AEB) – Volvo S90 rear bumper dent - **£1,442**
 - Windscreen replacement with sensor calibration – Ford Fiesta - **£770** (the same replacement for a 2008 model would be £156).
- Repairs are not just about fixing the hardware anymore – they are also increasingly about the software – calibration of various sensors and systems within the vehicle.
- The impact on claim frequency is less clear but is likely to reduce the number of accidents.



Market statistics - AD

Geographic Results

2017 AD Net Severity Exc Nils

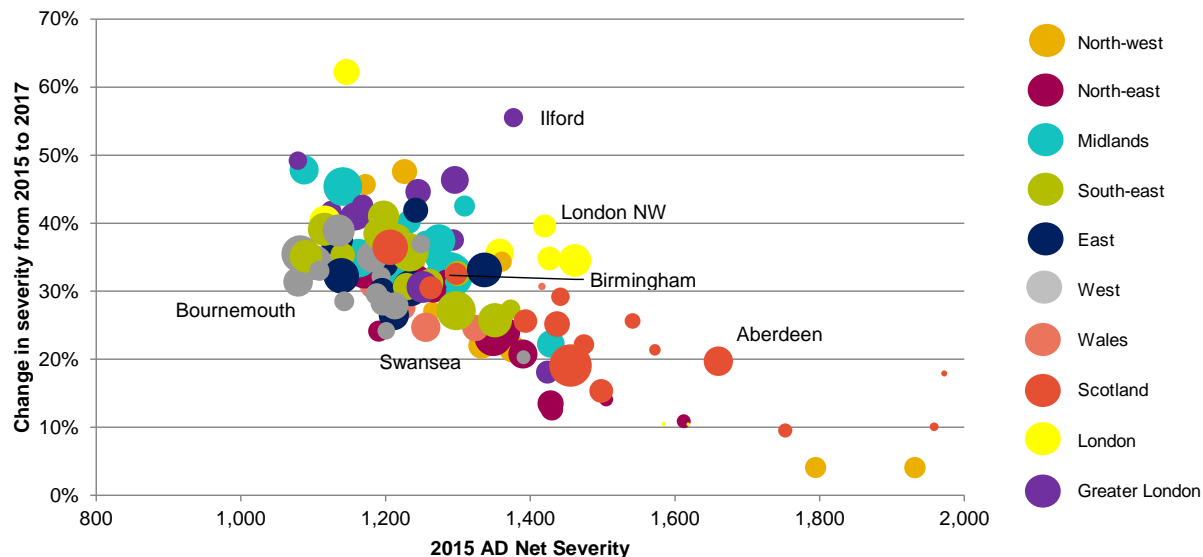


- London and Greater London have a higher AD frequency and severity than the overall average.
- The West is the region with the lowest AD frequency and severity.

Market statistics - AD

Geographic Results

Change in AD Net Severity from 2015 to 2017



- Severity inflation over the period 2015 to 2017 does not show a clear geographic trend.
- Although inflation in Scotland appears lower (albeit from a higher base).
- Note that the change in severity compares the latest incurred severity for the accident years as at 31 Dec 2017.



Market statistics - AD

By Region

2017 accident year

Region	AD Frequency exc nils	AD Severity exc nils
North-west	4.0%	1,704
North-east	3.9%	1,640
South-east	4.3%	1,636
Midlands	4.4%	1,682
Wales	3.5%	1,582
East	4.1%	1,611
West	3.7%	1,525
Scotland	4.3%	1,778
London	5.3%	1,837
Greater London	5.1%	1,723

Relative change from 2016 accident year

Region	AD Frequency exc nils	AD Severity exc nils
North-west	1.4%	1.2%
North-east	2.1%	-2.0%
South-east	-1.3%	1.1%
Midlands	1.8%	0.4%
Wales	0.4%	-2.0%
East	-0.5%	-1.9%
West	-1.2%	-2.2%
Scotland	0.2%	-2.7%
London	-2.1%	3.5%
Greater London	-0.4%	4.5%

- The 2017 results are latest position at 12 months developed
- The 'Relative change from 2016 accident year' results compare the change for each region to the change in total.



Market statistics - AD

Summary

- AD frequency is estimated to have fallen by 6.2% in 2017.
- AD net severity is very high averaging 8.3% p.a. over the last three years.
- The increase in AD net severity is likely to be partly the result of an increase in technology in cars.
- The geographic trends for AD are not as strong as observed previously for other claim types, although it appears that severity inflation has been highest in London and Greater London in the last two years.





1. 2017 Performance

2. Market Statistics: AD

3. Market Statistics: TPD

4. Market Statistics: Capped TPI

5. Market Statistics: Excess TPI

6. 2018 and beyond

7. Conclusions

Market statistics – TPPD

Projected Results

Projected Ultimate TPPD Results for Private Car Comprehensive

Accident Period	Earned Exposure (millions of vehicle years)	Ultimate TPPD Claim Frequency	Ultimate TPPD Claim Severity	Ultimate TPPD Burning Cost	Year-on-Year Change in Frequency	Year-on-Year Change in Severity	Year-on-Year Change in Burning Cost
		(Non-nil claims per million vehicle years)	(£)	(£)	(% pa)	(% pa)	(% pa)
2008	18.3	40,754	1,784	72.7	-13.0%	11.6%	-2.9%
2009	18.4	40,612	1,838	74.6	-0.3%	3.0%	2.7%
2010	18.5	38,845	1,897	73.7	-4.4%	3.2%	-1.3%
2011	19.0	33,525	2,038	68.3	-13.7%	7.4%	-7.3%
2012	19.6	31,321	2,218	69.5	-6.6%	8.9%	1.7%
2013	19.7	29,539	2,267	67.0	-5.7%	2.2%	-3.6%
2014	20.0	29,756	2,375	70.7	0.7%	4.8%	5.5%
2015	20.7	29,596	2,493	73.8	-0.5%	4.9%	4.4%
2016	21.8	29,227	2,665	77.9	-1.2%	6.9%	5.6%
2017	22.4	27,624	2,799	77.3	-5.5%	5.1%	-0.7%
Average (2010 to 2017)					-4.8%	5.7%	0.7%
Average (2012 to 2017)					-2.5%	4.8%	2.2%
Average (2014 to 2017)					-2.4%	5.6%	3.0%

- TPPD frequency and severity trend is similar to AD for last few accident years.
- Severity has averaged 5.7% p.a. since 2010.
- Recent TPPD inflation is high but around 2% less than seen for AD.





1. 2017 Performance
2. Market Statistics: AD
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Capped TPI

Methodology and terminology

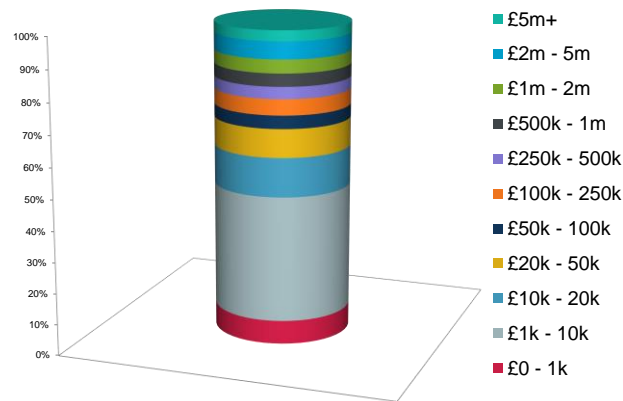
- When presenting results of a layered analysis, there is a choice in how to partition the claim amounts:
 - Type 1: In which claims that exhaust the width of a particular layer contribute an amount equal to the layer's width
 - Type 2: In which claims that exhaust the width of a particular layer are removed from that layer, and the full claim amounts “from ground up” (“FGU”) are allocated to the next layer up



Capped TPI

Methodology and terminology

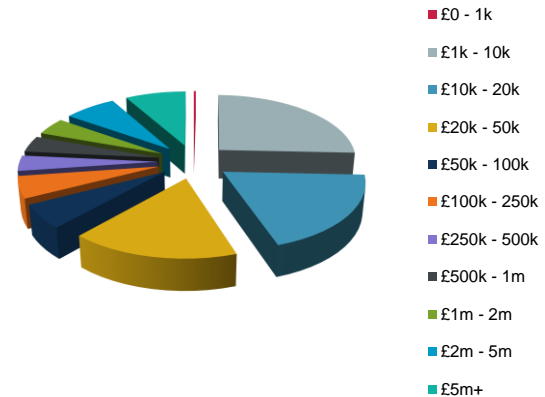
- Using the Type 1 definition, a claim of £15,000 from accident year 2010 contributes:
 - £1k to Layer 1 (0 – £1k)
 - £9k to Layer 2 (£1k – £10k)
 - £5k to Layer 3 (£10k – £20k)
 - £0 to all other layers
- The chart shows the projected total TPI burning cost split by layer using Type 1 definition.
- In this presentation, any charts which use this definition will be accompanied with a version of this graphic. Shading represents the portion(s) of the claim that is relevant to the given statistic.



Capped TPI

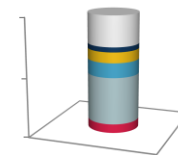
Methodology and terminology

- Using the Type 2 definition, a claim of £15,000 from accident year 2010 contributes:
 - £15k to Layer 3 (£10k – £20k)
 - £0 to all other layers
- The chart shows the projected total TPI burning cost split by layer using Type 2 definition.
- In this presentation, any charts which use this definition will be accompanied with a version of this graphic. Shading represents the portion(s) of the claim that is relevant to the given statistic.



Market statistics – TPI Capped

Projected Results



Projected Ultimate Capped TPI Results for Private Car Comprehensive

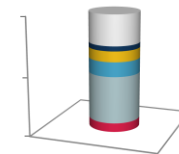
Accident Period	Earned Exposure (millions of vehicle years)	Ultimate TPI Capped Claim Frequency (Non-nil claims per million vehicle years)	Ultimate TPI Capped Claim Severity (£)	Ultimate TPI Capped Burning Cost (£)	Year-on-Year Change in Frequency (% pa)	Year-on-Year Change in Severity (% pa)	Year-on-Year Change in Burning Cost (% pa)
2008	6.7	12,014	7,418	89.1			
2009	8.3	12,867	8,593	110.6	7.1%	15.8%	24.1%
2010	9.0	14,006	8,713	122.0	8.9%	1.4%	10.4%
2011	10.3	14,507	8,864	128.6	3.6%	1.7%	5.4%
2012	13.3	14,056	9,031	126.9	-3.1%	1.9%	-1.3%
2013	15.1	11,906	8,432	100.4	-15.3%	-6.6%	-20.9%
2014	15.2	11,547	8,351	96.4	-3.0%	-1.0%	-4.0%
2015	15.7	10,948	8,276	90.6	-5.2%	-0.9%	-6.0%
2016	16.7	10,303	8,485	87.4	-5.9%	2.5%	-3.5%
2017	17.2	9,132	8,552	78.1	-11.4%	0.8%	-10.7%
Average (2010 to 2017)					-5.9%	-0.3%	-6.2%
Average (2012 to 2017)					-8.3%	-1.1%	-9.3%
Average (2014 to 2017)					-7.5%	0.8%	-6.8%

- Substantial reduction in burning cost from 2012 to 2017 of £49.
- In 2017 frequency has fallen by 11.4% with severity close to zero for the last few accident years.

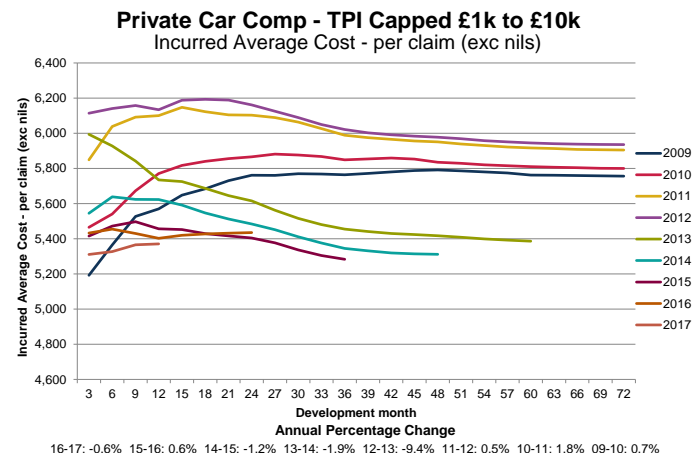
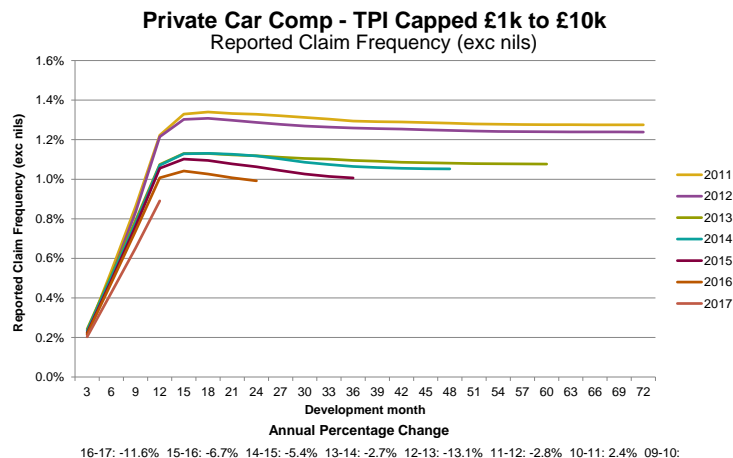


Market statistics – TPI Capped

Data Trends - Unindexed



- Post LASPO the TPI Capped severity has been relatively flat. Therefore, our projections carried out by band indexed at 7% p.a. are difficult to interpret as the bands are no longer a homogenous grouping of claims. We have therefore considered data trends for unindexed layers. The layer values are set to be consistent with the previous definition for the 2013 accident year.

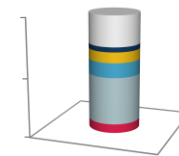


- In the £1k to £10k layer the frequency trend is consistent with the overall trend for TPI Capped.
- The severity in this layer continued to fall in the years immediately after LASPO and has been flat the last two accident years.

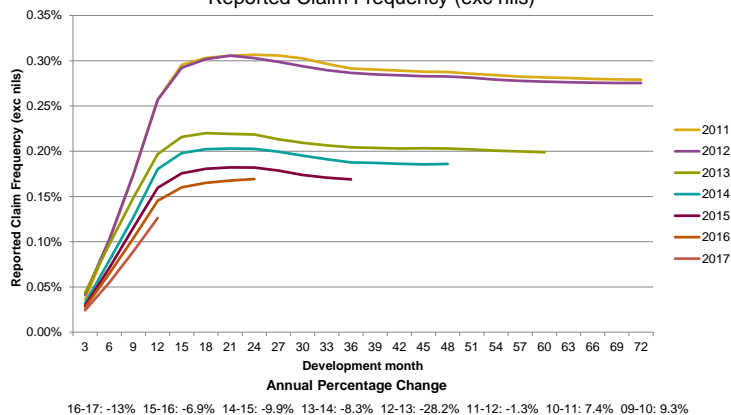


Market statistics – TPI Capped

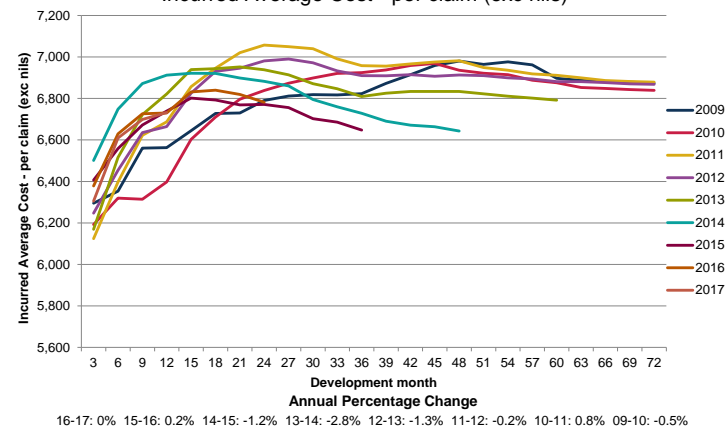
Data Trends - Unindexed



Private Car Comp - TPI Capped £10k to £20k
Reported Claim Frequency (exc nils)



Private Car Comp - TPI Capped £10k to £20k
Incurred Average Cost - per claim (exc nils)

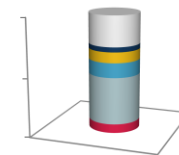


- The frequency in the £10k to £20k band has shown greater reductions post LASPO than for the £1k to £10k band.
- Severity in this band has also been flat post LASPO.

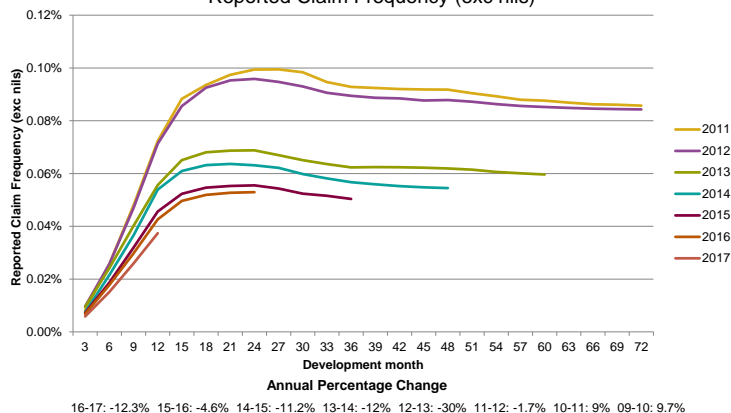


Market statistics – TPI Capped

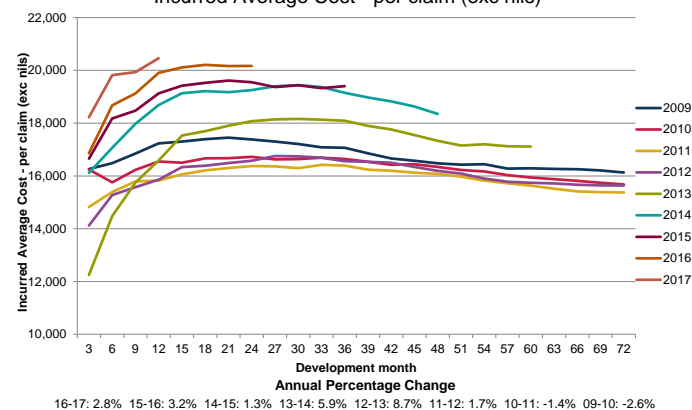
Data Trends - Unindexed



Private Car Comp - TPI Capped £20k to £50k
Reported Claim Frequency (exc nils)



Private Car Comp - TPI Capped £20k to £50k
Incurred Average Cost - per claim (exc nils)

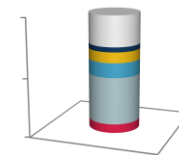


- The frequency in the £20k to £50k band has shown similar reductions as that in the £10k to £20k band.
- Severity in this band did not appear to reduce as a result of LASPO, although this may reflect a change in claim size distribution.
- Post LASPO this band of claims has seen positive inflation. This may be from a greater proportion of claims exceeding the top of the band.

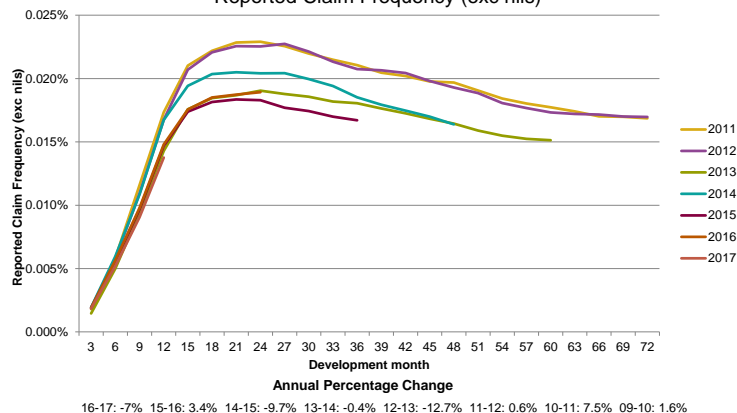


Market statistics – TPI Capped

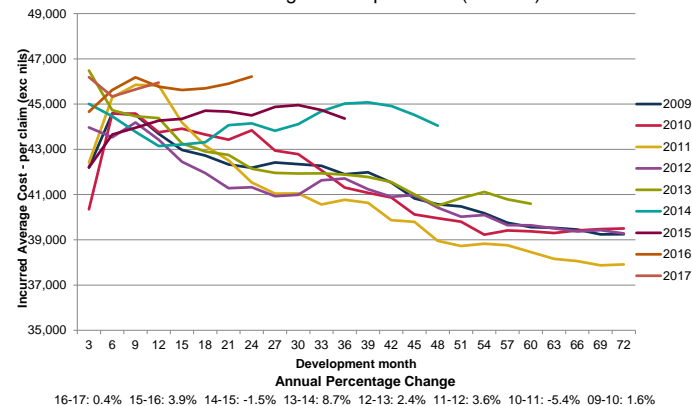
Data Trends - Unindexed



Private Car Comp - TPI Capped £50k to £100k
Reported Claim Frequency (exc nils)



Private Car Comp - TPI Capped £50k to £100k
Incurred Average Cost - per claim (exc nils)



- The frequency in the £50k to £100k band is more stable post LASPO and does not see the large reductions witnessed in the £10k to £20k and £20k to £50k band.
- Severity development profile in last three years is different from previous years with less downward drift.
- The experience in this band is quite different from smaller bands suggesting at this size that claims are not necessarily impacted by the same factors as for lower values.



Market statistics – TPI Capped

Geographic Results

2017 TPI/TPPD Ratio exc Nils



- Clearer geographic trend than for AD.
- The North-west still has the highest TPI to TPPD ratio with Scotland having the lowest.



Market Statistics – TPI Capped

By Region

2017 accident year

Region	TPPD Frequency exc nils	TPI Frequency exc nils	TPI to TPPD Ratio exc nils
North-west	3.1%	1.2%	38.6%
North-east	3.0%	1.0%	32.3%
South-east	3.2%	0.7%	23.3%
Midlands	3.3%	1.0%	31.0%
Wales	2.7%	0.8%	29.9%
East	2.9%	0.7%	24.9%
West	2.7%	0.6%	22.1%
Scotland	2.8%	0.6%	22.5%
London	4.5%	1.6%	34.5%
Greater London	4.1%	1.2%	30.2%

Relative change from 2016 accident year

Region	TPPD Frequency exc nils	TPI Frequency exc nils	TPI to TPPD Ratio exc nils
North-west	1.1%	1.0%	0.1%
North-east	0.0%	0.4%	0.4%
South-east	-1.0%	0.9%	1.7%
Midlands	0.6%	0.7%	0.3%
Wales	5.5%	4.6%	0.1%
East	-1.4%	-2.1%	-0.9%
West	-1.3%	-0.1%	1.0%
Scotland	0.3%	-3.0%	-3.1%
London	0.9%	0.0%	-0.7%
Greater London	0.9%	1.1%	0.3%

- The 2017 results are latest position at 12 months developed
- The 'Relative change from 2016 accident year' results compare the change for each region to the change in total.



Capped TPI

Summary

- Overall the Capped TPI claims environment has been benign following the introduction of the LASPO reforms in 2013.
- The overall burning cost has fallen by £49 from 2012 to 2017.
- In 2017 the frequency has fallen by 11% while severity has been low at 1%.
- Analysis by band suggests that the proportion of claims from £10k to £50k has been reducing in the last few years.
- The £50k to £100k claims exhibit different behaviours from the lower value claims.
- There remains a strong geographic trend to TPI to TPPD ratios with the North-west still seeing the highest levels.

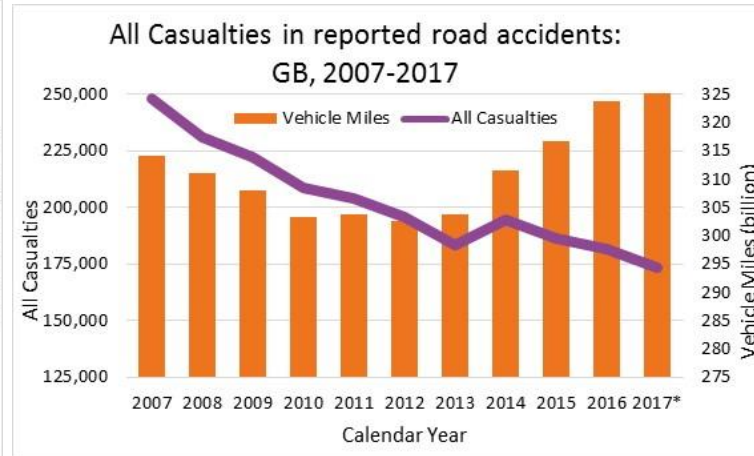
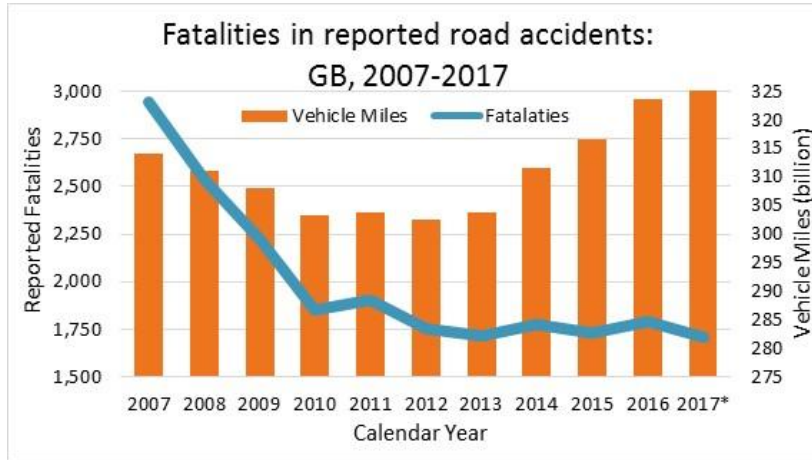




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Market statistics – TPI Excess

Casualty and Mileage Statistics



* 2017 data was only available to September and has been projected to give the full-year figures.

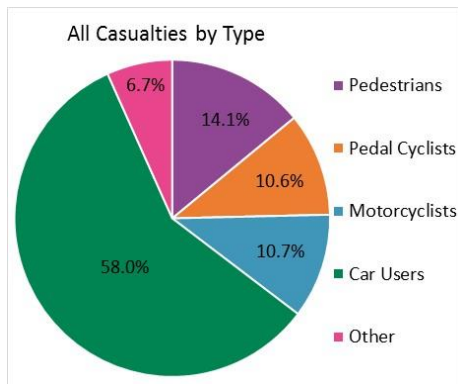
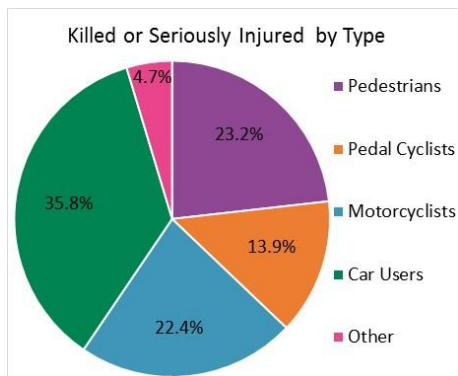
- Road deaths decreased by 4.5% in 2017 to lowest level since records began (1926).
- The number of fatalities per billion Vehicle Miles has fallen from 9.4 in 2007 to 5.8 in 2012 and 5.3 in 2017.
- Total casualties in 2017 were 4% lower than in 2016 and the lowest level on record.
- The number of casualties per billion Vehicle Miles has fallen by 33% from 2007 to 2017.



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Market statistics – TPI Excess

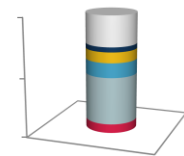
Fatality Statistics



- Car users made up 58% of casualties in the last year but only 36% of those killed or seriously injured (KSI).
- Motorcyclists are most prone for their accidents to lead to death or serious injury, with motorcyclists making up 22% of all those KSI whilst only comprising 11% of all casualties.
- The proportion of those KSI by type has remained fairly stable since 2010. However, as a proportion of all casualties, car users have fallen from 64% to 58% with all other classes increasing.
- The greatest increase in proportion was for cyclists, from 8% to 11%, which is consistent with the greater distance people are cycling on the roads.
- The proportion of KSI of total casualties increased from 13.5% before 2016 to 16% in 2017.

Market statistics – TPI Excess

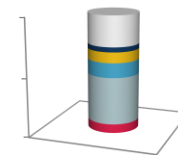
Projection Methodology



- Projections undertaken by layer with companies grouped into three levels of case reserving strength.
- Claims data and projections at an Ogden -0.75% basis.
- The development profile is based on data up to Feb 2017. All data after this point is excluded from the assumed development (i.e. it is assumed that the development profile by layer pre Ogden still applies).
- For the > £5m layer there is a significant distortion from the change in Ogden rate and so chain-ladder models are no longer appropriate
- Therefore the total TPI Excess has been projected assuming the IBNR to outstanding ratio pre Ogden applies to the latest position.
- The >£5m layer is then calculated as the difference between the total and the sum of the other layers.

Market statistics – TPI Excess

Projected Results – Ogden -0.75%



Projected Ultimate Excess TPI Results for Private Car Comprehensive

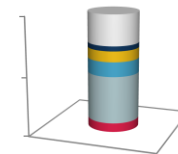
Accident Period	Earned Exposure (millions of vehicle years)	Ultimate TPI Excess Claim Frequency (Non-nil claims per million vehicle years)	Ultimate TPI Excess Claim Severity (£)	Ultimate TPI Excess Burning Cost (£)	Year-on-Year Change in Frequency (% pa)	Year-on-Year Change in Severity (% pa)	Year-on-Year Change in Burning Cost (% pa)
2008	6.7	90	392,424	35.2			
2009	8.3	87	513,737	44.8	-2.7%	30.9%	27.3%
2010	9.0	84	567,040	47.6	-3.8%	10.4%	6.2%
2011	10.3	77	580,258	44.5	-8.6%	2.3%	-6.5%
2012	13.3	75	610,447	45.7	-2.4%	5.2%	2.6%
2013	15.1	63	740,363	46.9	-15.4%	21.3%	2.6%
2014	15.2	67	968,250	65.1	6.1%	30.8%	38.8%
2015	15.7	60	927,118	55.6	-10.7%	-4.2%	-14.5%
2016	16.7	65	1,043,222	68.1	8.8%	12.5%	22.4%
2017	17.2	58	1,112,220	64.8	-10.7%	6.6%	-4.8%
Average (2010 to 2017)					-5.1%	10.1%	4.5%
Average (2012 to 2017)					-4.9%	12.7%	7.3%
Average (2014 to 2017)					-4.6%	4.7%	-0.1%

- Large claims frequency has fallen in 2017 which is consistent with the casualty statistics discussed earlier.
- It is difficult to isolate a severity trend given the impact of the change in the Ogden discount rate with this impacting different accident years to different degrees.



Market statistics – TPI Excess

Projected Results – Ogden Impact



Projected Ultimate Excess TPI Results for Private Car Comprehensive

Accident Period	Earned Exposure (millions of vehicle years)	Ultimate TPI Excess Burning Cost		Ogden Impact
		Ogden 2.5%* (£)	Ogden -0.75% (£)	
2008	6.7	34.9	35.2	0.9%
2009	8.3	43.9	44.8	2.0%
2010	9.0	42.0	47.6	13.2%
2011	10.3	37.5	44.5	18.6%
2012	13.3	37.7	45.7	21.0%
2013	15.1	36.3	46.9	29.1%
2014	15.2	45.5	65.1	43.1%
2015	15.7	39.3	55.6	41.5%
2016	16.7	44.9	68.1	51.7%

- To estimate the impact of the Ogden rate change we have undertaken an approximate projection of data as at 28 February 2017, carried out at a total TPI Excess level, to estimate the Ogden 2.5% burning cost for the current TPWP dataset.
- The impact of moving to an Ogden rate of -0.75% is estimated to be over 50% for the 2016 accident year.

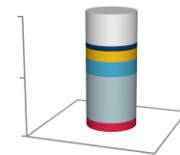
*projections at 2.5% is approximate only



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Market statistics – TPI Excess

Ogden

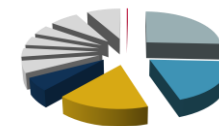


- We have looked at the change in outstanding claims from February 2017 to April 2017 by layer. We have assumed that the change over this period is entirely due to the change in Ogden discount rate.
- The impact on case reserves by band is summarised below on a type 1 basis only.

Band	Ogden impact Type 1
£100k to £250k	9.4%
£250k to £500k	19.1%
£500k to £1m	26.5%
£1m to £2m	38.6%
£2m to £5m	62.7%
£5m +	194.3%
Total	50.2%

Market statistics – TPI Excess

Projected Results – Type 2



Private Car Comprehensive Capped TPI Type 2 Layered Results (all layers given in 2010 money, indexed at 7% pa)

Accident Year	£100k - 250k	£250k - 500k	£500k - 1m	£1m - 2m	£2m to 5m	> £5m
Frequency exc Nils (finishing in layer) (claims per million policy years)						
2009	49.5	19.6	8.1	3.9	3.4	2.7
2010	52.7	13.1	8.3	3.8	3.5	2.5
2011	47.3	14.0	7.0	4.1	2.3	2.0
2012	46.1	13.7	7.0	3.9	2.4	1.7
2013	35.5	14.3	5.4	3.7	2.0	2.3
2014	38.0	13.9	6.1	3.4	2.5	3.3
2015	35.8	11.4	4.8	2.9	2.5	2.6
2016	37.9	14.1	4.7	2.5	2.8	3.3
2017	33.6	12.6	4.9	2.0	2.4	2.8
Average Cost (£)						
2009	141,465	328,950	666,598	1,231,952	2,916,273	7,238,023
2010	153,464	340,546	674,838	1,317,279	2,871,587	9,014,070
2011	160,834	367,189	704,873	1,452,542	3,300,482	10,882,519
2012	171,259	391,339	795,252	1,580,955	3,215,722	12,609,206
2013	187,205	422,554	790,477	1,570,921	3,507,441	10,601,403
2014	205,003	467,815	840,954	1,741,391	4,025,760	11,640,197
2015	216,154	482,405	909,808	1,761,594	4,534,717	11,388,852
2016	231,852	521,236	954,815	1,760,410	5,137,301	11,550,328
2017	239,471	550,180	996,172	1,818,227	5,843,852	13,065,946
Burning Cost (£)						
2009	7.0	6.5	5.4	4.8	9.9	19.4
2010	8.1	4.5	5.6	5.0	9.9	22.9
2011	7.6	5.2	4.9	6.0	7.5	21.5
2012	7.9	5.4	5.6	6.2	7.7	21.5
2013	6.6	6.1	4.3	5.9	7.0	24.7
2014	7.8	6.5	5.1	6.0	10.2	38.2
2015	7.7	5.5	4.4	5.1	11.3	30.0
2016	8.8	7.3	4.5	4.3	14.4	38.6
2017	8.1	6.9	4.8	3.6	14.3	36.5

- The table shows that at Ogden -0.75% the claims >£5m make up the vast majority of the total TPI Excess cost.
- In 2017 almost 50% of the cost is from the largest claims.



Excess TPI

Summary

- The change in Ogden discount rate has introduced a significant distortion into Excess TPI claims triangles which has further increased the uncertainty in projections of these claims.
- The large claim frequency is estimated to have fallen in 2017, consistent with the observed reduction in casualties for the UK as a whole.
- The reduction in the Ogden discount rate is estimated to have increased the cost of the most recent accident years by around 50%.
- The >£5m claims make up a significant proportion of the overall Excess TPI cost at an Ogden discount rate of -0.75%.

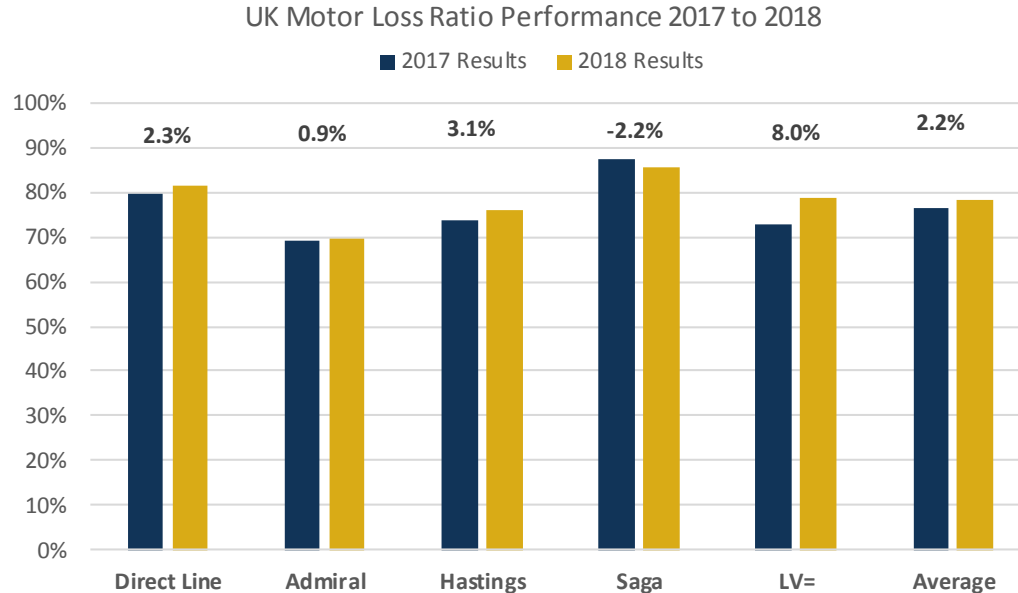




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2018 and Beyond

Company Results



- Note : Loss ratios derived from published company accounts and exclude prior year movements. Results for some companies include Commercial Motor and Other Personal Lines products.

- Where 2017 saw an improvement in loss ratio for most insurers, in 2018 loss ratios generally deteriorated.
- The ABI Premium Tracker shows premiums increased by 2.7% for the 2018 accident year and so the deterioration in loss ratio is driven by claims inflation.
- What causes did the companies highlight for the increasing loss ratios?



2018 and Beyond

Company Results

“Notable claims trends for Admiral and the market in 2018 include **slightly higher overall frequency**, a flattening in the rate of improvement in small injury claims frequency and **continuing elevated levels of inflation in damage claims costs**. Large bodily injury claims costs were also increased in 2018.”

Source: Admiral Annual Report 2018

“The Group observed **higher claims frequency** in 2018 following an unusually low frequency year in 2017. The Group’s long-term view of claims inflation remains within the range of 3% to 5%.”

Source: Direct Line Annual Report 2018

“.. **significant inflation** affecting motor repair claims costs”

Source: LV= Annual Report 2018

“The Group experienced broadly **flat claims frequency** overall but increased claims severity. **Claims inflation increased during the year to 6%**, reflecting increased cost in vehicle repairs due to enhanced vehicle sophistication, credit hire cost increases and the weather event in the first half”

Source: Hastings Annual Report 2018

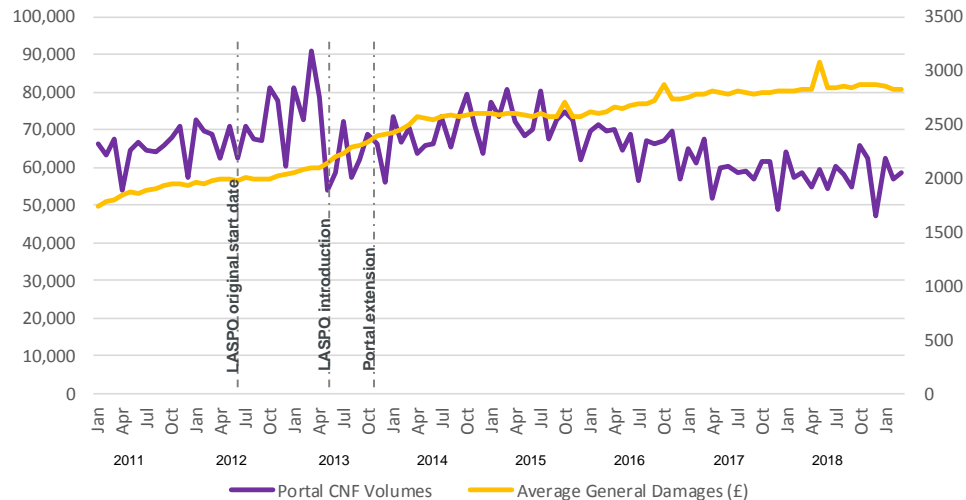


2018 and Beyond

MoJ Portal Notifications and GD payments

- The number of claims reported through the portal has been reducing since mid-2015, with the level of notifications in 2017 11% less than in 2016.
- Notifications in 2018 were 2% lower than in 2017 but have been reasonable consistent from the second half of 2017 until the second half of 2018.
- Post-LASPO General Damages payments have tended to increase in line with changes in the JC guidelines (see table).

MoJ Portal Notifications and GD Payments

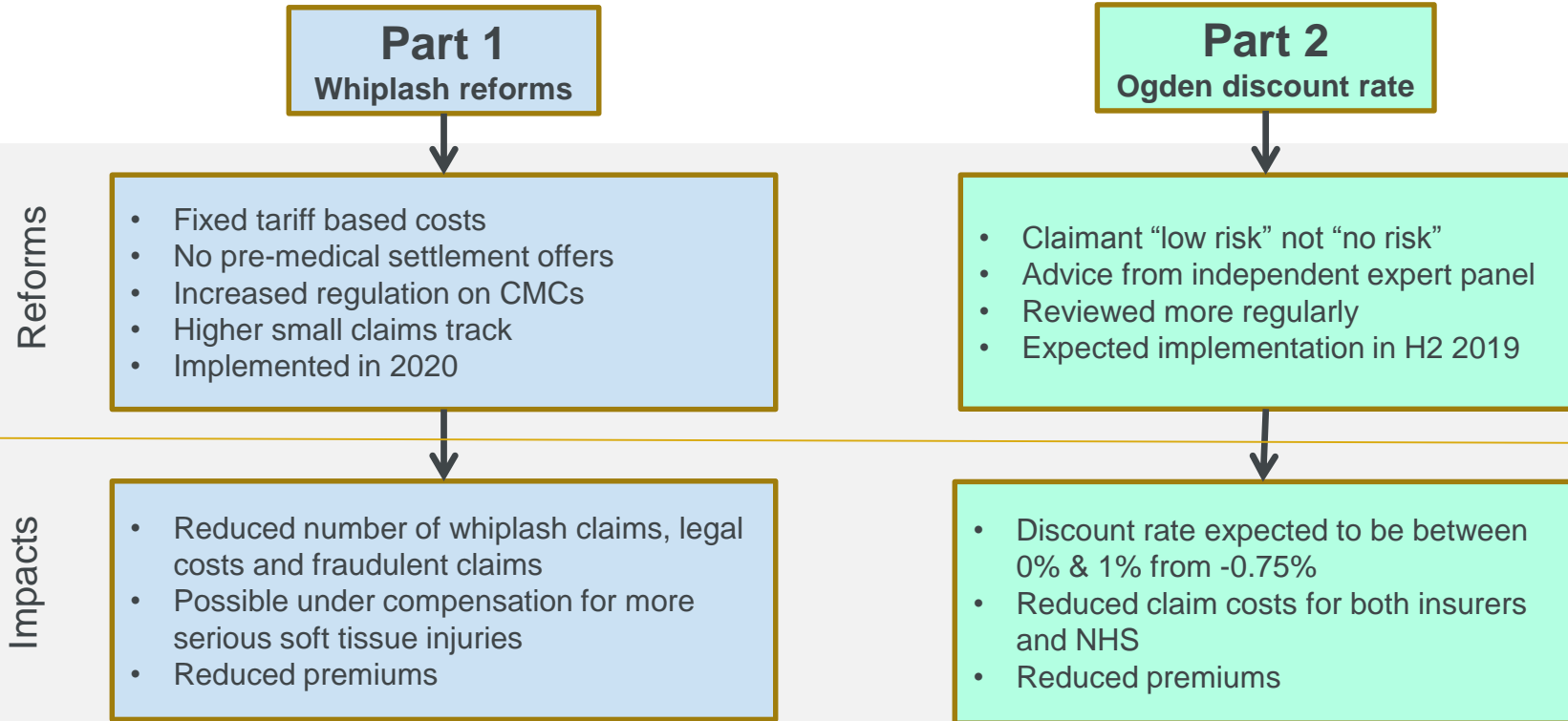


JCB Edition	Month Published	Average Uplift
8 th	Sep 2006	5.2%
9 th	Sep 2008	9.6%
10 th	Sep 2010	2.8%
11 th	Sep 2012	9.0%
LASPO	Apr 2013	10.0%
12 th	Sep 2013	2.3%
13 th	Sep 2015	4.7%
14 th	Sep 2017	4.8%



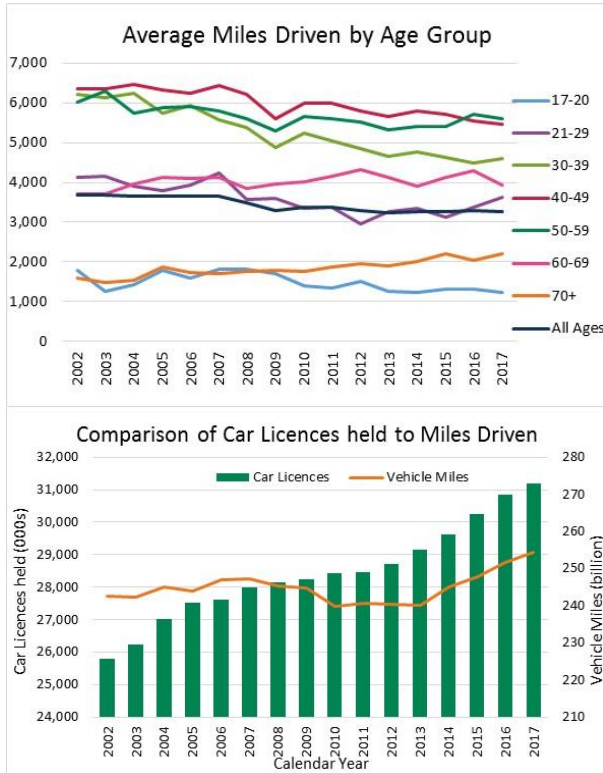
2018 and Beyond

Civil Liability Bill



2018 and Beyond

Changing Driving Habits



- The National Travel Survey estimates that miles driven has reduced by 11% from 2002 to 2017 across all ages.
- Ages 30-49 saw the largest falls in mileage, coinciding with increases of 20% or more in cycling and public transport for ages 30-69.
- Drivers over 70 have steadily been driving more, perhaps due to better health at older ages.
- Average miles driven by those age 21-29 has increased by 16% over the past 2 years, perhaps due to the greater availability of insurance due to telematics.
- The average distance travelled by public transport has increased by 12% over this period.
- The distance travelled by cycling has increased by 54%.
- In total, the number of car licences held in Great Britain has increased by over 20% since 2002 whilst the total number of miles driven by car has only increased by 4.8%. Following a dip coinciding with the 2008 recession, however, this has increased by 6% since 2013.





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Conclusions

- 2017 saw strong premium increases as well as a benign claims frequency resulting in the best net combined ratio since 1994.
- While the overall claims cost reduced in 2017 there was high severity inflation for AD and TPPD.
- In 2018 it appears that loss ratios have increased with companies commenting that frequencies have been flat or increasing with repair inflations remaining high.
- Looking forward there are a number of underlying trends influencing the claims cost. These include:
 - The increase in technology in cars impacting repair costs and accident frequencies;
 - Reductions in mileage per vehicle; and
 - Changes in the demographic and behaviour of drivers which differs by age.
- Plus significant legislative changes are on their way which will materially impact the market in the next few years.



Questions

Comments

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