## Casualty Market Update

Sean Devlin, CAS Spring Meeting, May 2019



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#### Polling Questions 1 &2

#### Question 1:

What best describes a soft market?

- a) Oversupply of capacity
- b) Rates are decreasing
- c) Loss ratios are elevated

#### Question 2:

Why is the biggest reason primary soft markets arise?

- a) Capital position of (re)insurers
- b) Underestimation of loss costs
- c) Chasing top line
- d) Cheap reinsurance



## The Reinsurance Market



#### **Industry Premiums**

Line	Direct	Assumed	Ceded
Private Passenger Auto Liability	148,065	3,618	7,385
Auto Physical Damage	108,008	1,703	3,962
Workers' compensation	56,863	2,731	7,279
Other Liability + Products Liability Occ	49,194	5,162	13,636
Commercial Multiple Peril	41,984	1,995	5,802
Commercial Auto Liability	30,897	1,650	4,250
Other Liability + Products Liability CM	23,979	2,290	4,862
Medical Professional Liability	9,344	488	1,034
Proportional Total		19,638	48,211
Reinsurance - Non-Prop Casualty		6,236	460
Total	468,333	45,513	96,883

Source: Annual Statement (\$Ms)

Assumed and Ceded are for non-affiliates



#### What Gets Ceded

Line/company	Proportional	Non-Prop
Personal Auto	<ul> <li>Much of it is Non-Standard (NSA), despite being vast minority of Industry</li> <li>NSA is highly leveraged, creating the need for high cession of QS</li> </ul>	<ul><li>Standard/Preferred</li><li>ECO/XPL</li></ul>
Commercial Auto	<ul> <li>Specialist Programs/MGA Driven</li> </ul>	<ul> <li>Some Specialist</li> <li>Part of Core XOL</li> <li>High Excess/ Excess on Excess</li> </ul>
Other Liability (Occ)	<ul><li>Umbrella</li><li>Some Specialist/MGA</li></ul>	<ul><li>Working covers</li><li>High Excess/ Excess on Excess</li></ul>
WC	Limited to first 500K to 1M	<ul><li>Working layers to high excess</li><li>Cat Covers</li></ul>
Regional Companies	Limited to Umbrella or     Whole Account	<ul><li>Multi-line XOL</li><li>Stop-Loss</li></ul>
All companies	<ul> <li>Leverage Relief QS, when needed</li> </ul>	Moving to consolidate reinsurance

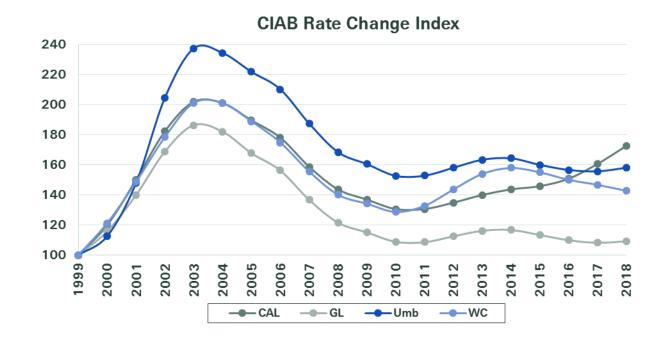


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## State of the Market



#### **Rate Environment**





#### **Jury Impact**

#### **Median Severity - Top 50 Verdicts**

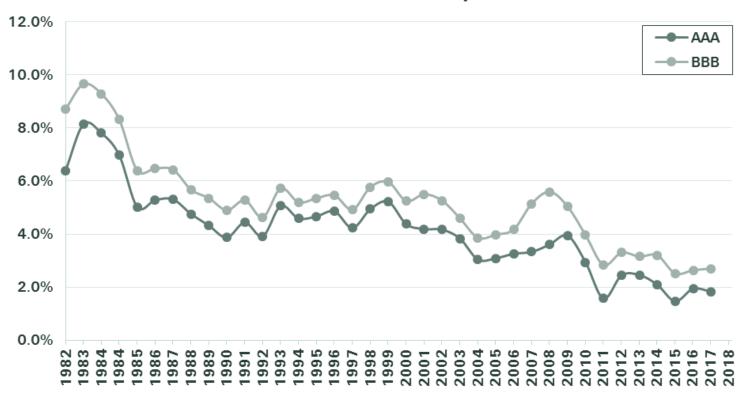






#### **Investment Environment**

#### "Real" Investment Grade Corporate Bond Yield





#### **Commercial Auto Liability - Results**

Net Loss+DCCE Ratio											
Acc Year	12	24	36	48	60	72	84	96	108	120	
2009	62.7%	60.5%	60.4%	60.2%	60.2%	60.0%	60.0%	59.8%	59.7%	59.8%	
2010	64.7%	64.9%	66.0%	66.8%	67.6%	67.8%	67.6%	67.5%	67.4%		
2011	65.6%	68.3%	70.1%	71.1%	72.5%	72.6%	72.5%	72.6%			
2012	66.1%	68.2%	69.8%	71.9%	72.7%	72.8%	72.8%				
2013	65.6%	67.2%	70.6%	72.9%	73.7%	73.7%					
2014	65.2%	68.3%	71.5%	73.3%	74.6%						
2015	66.0%	69.9%	72.7%	74.8%							
2016	69.2%	72.2%	75.3%								
2017	70.6%	72.9%									
2018	69.5%										

Deviation from 12 Month Estimate											
Acc Year	24	36	48	60	72	84	96	108	120		
2009	-2.2%	-2.3%	-2.5%	-2.5%	-2.6%	-2.7%	-2.9%	-2.9%	-2.9%		
2010	0.2%	1.3%	2.2%	3.0%	3.2%	2.9%	2.8%	2.7%			
2011	2.7%	4.5%	5.5%	6.9%	7.0%	6.9%	7.0%				
2012	2.1%	3.7%	5.7%	6.6%	6.7%	6.7%					
2013	1.6%	5.0%	7.3%	8.1%	8.1%						
2014	3.2%	6.3%	8.2%	9.4%							
2015	3.8%	6.7%	8.8%								
2016	3.0%	6.0%									
2017	2.3%										



#### Polling Questions 3 & 4

#### Question 3:

Why are loss ratios currently eventually elevated in Commercial Auto?

- a) Rates were lowered
- b) Changes in driver behavior
- c) Changes in the economy

#### Question 4:

What auto frequency do you expect for 2019-21?

- a) -2% or less/ year
- b) -1%-2%/year
- c) Less than 1% change either way
- d) -1%-2%/year
- e) 2% or more/ year



#### Polling Question 5

#### Question 5:

How do rate changes compare to loss trend for Commercial Auto?

- a) Rate changes > loss trend
- b) Rate changes = loss trend
- c) Rate changes < loss trend

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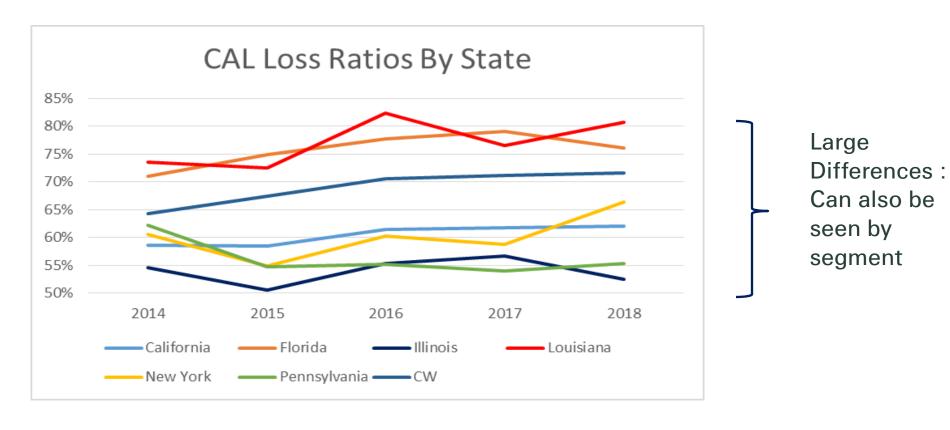
#### Commercial Auto Liability – Adverse Development

Significant
Adverse
Development
this decade

- Long term mean selections at 12 months
- Frequency misestimated
  - Long-term negative trend negated by
    - Driver quality
    - Distracted driving
    - Economic impacts
    - Gas prices
- Severity Misestimated
  - Jury Verdicts



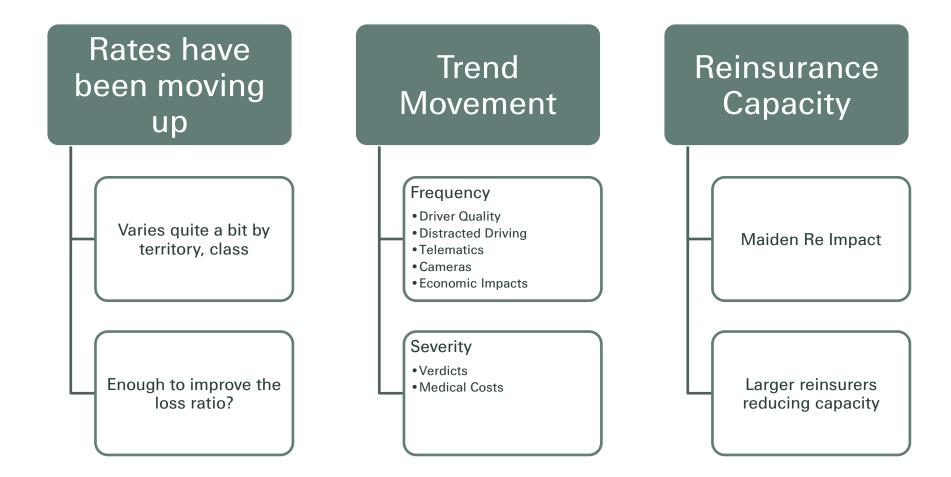
#### **Commercial Auto Liability - Results**



Source: Page 19 annual Statement - Direct Pure Loss Ratios



#### **Commercial Auto Liability - Market**



#### Personal Auto Liability - Results

					Net Loss+D	CCE Ratio				
Acc Year	12	24	36	48	60	72	84	96	108	120
2009	72.9%	71.9%	71.2%	70.7%	70.4%	70.4%	70.5%	70.4%	70.4%	70.4%
2010	73.5%	72.5%	71.6%	71.5%	71.4%	71.4%	71.3%	71.3%	71.2%	
2011	72.1%	70.8%	70.8%	70.7%	70.6%	70.5%	70.5%	70.5%		
2012	71.4%	70.8%	70.6%	70.6%	70.5%	70.4%	70.4%			
2013	72.4%	72.3%	72.4%	72.5%	72.3%	72.1%				
2014	65.8%	66.1%	66.4%	66.4%	66.2%					
2015	72.8%	74.5%	75.0%	75.1%						
2016	75.1%	75.7%	76.0%							
2017	72.3%	71.7%								
2018	69.4%									

Deviation from 12 Month Estimate												
Acc Year	24	36	48	60	72	84	96	108	120			
2009	-1.0%	-1.7%	-2.2%	-2.5%	-2.5%	-2.4%	-2.5%	-2.5%	-2.5%			
2010	-1.0%	-1.8%	-1.9%	-2.1%	-2.1%	-2.2%	-2.2%	-2.2%				
2011	-1.3%	-1.3%	-1.4%	-1.5%	-1.6%	-1.5%	-1.6%					
2012	-0.7%	-0.8%	-0.9%	-1.0%	-1.0%	-1.1%						
2013	-0.1%	0.0%	0.0%	-0.2%	-0.3%							
2014	0.3%	0.6%	0.6%	0.4%								
2015	1.7%	2.2%	2.2%									
2016	0.7%	0.9%										
2017	-0.6%											



#### Polling Question 6

#### Question 6:

How do rate changes compare to loss trend for Personal Auto?

- a) Rate changes > loss trend
- b) Rate changes = loss trend
- c) Rate changes < loss trend

#### **Personal Auto Liability**

# Standard/Preferred dominated by large sophisticated carriers

- Progressive, GEICO, State Farm, Allstate write ~50% of market
- Top 10 writers have~70% of market
- Typically don't buy reinsurance

## Brief miss in trends – frequency driven

- Frequency
  - Distracted driving
  - Gas prices
  - Economic impacts
- Severity
  - Verdicts
  - Medical costs

#### Non-standard Impact

- Rapid growth of segment;
  - Unemployment rate decrease
  - Gas Prices decrease



#### Non-Standard Auto Market Differences

Has not turned an • Fees are much larger part of income (5-6% vs 1%) underwriting profit in • Smaller less sophisticated companies over a decade Much more pronounced • Existed since 2010 Adverse Development • Much higher miss in loss ratios Generally less sophisticated • Have typically been much higher • Less impact due to adverse selection Rate changes Price sensitive buyers Lower Retention ratios Geographic mix • Top 3 states are 50% of book (CA, TX, FL) **Trends** • May differ from standard (different mix, limits involved, geography)

#### Other Liability Claims Made - Results

Net	Loss+DCCE Ratio	
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Acc Year	12	24	36	48	60	72	84	96	108	120
2009	70.6%	72.1%	72.7%	73.0%	73.4%	73.1%	73.0%	73.2%	73.3%	73.3%
2010	70.4%	70.4%	69.7%	67.7%	65.9%	65.8%	65.0%	65.1%	65.0%	
2011	71.1%	71.1%	71.5%	70.6%	70.5%	70.2%	70.3%	69.7%		
2012	69.5%	70.2%	69.7%	70.6%	70.5%	70.8%	70.3%			
2013	65.9%	65.8%	65.3%	63.8%	62.1%	60.7%				
2014	63.6%	63.6%	64.9%	63.5%	62.3%					
2015	62.5%	63.4%	62.9%	61.2%						
2016	62.4%	66.1%	67.7%							
2017	64.8%	64.8%								
2018	62.9%									

#### Deviation from 12 Month Estimate

Acc Year	24	36	48	60	72	84	96	108	120
2009	1.6%	2.2%	2.4%	2.9%	2.5%	2.4%	2.6%	2.7%	2.7%
2010	0.1%	-0.7%	-2.6%	-4.4%	-4.6%	-5.3%	-5.3%	-5.3%	
2011	0.0%	0.4%	-0.5%	-0.6%	-0.8%	-0.8%	-1.4%		
2012	0.8%	0.2%	1.1%	1.0%	1.3%	0.8%			
2013	-0.1%	-0.6%	-2.1%	-3.8%	-5.2%				
2014	0.0%	1.3%	0.0%	-1.3%					
2015	0.9%	0.4%	-1.3%						
2016	3.7%	5.3%							
2017	0.0%								



#### Other Liability Occurrence - Results

Nlat	1 0001	DOOL	Dotio
างยเ	LU55+	DCCE	Ralio

Acc Year	12	24	36	48	60	72	84	96	108	
2009	69.1%	68.4%	66.2%	63.9%	62.9%	61.8%	61.0%	61.3%	60.5%	
2010	68.3%	67.9%	67.9%	66.4%	65.9%	65.3%	65.3%	64.6%	64.4%	
2011	66.9%	66.9%	67.1%	66.9%	66.9%	67.2%	66.6%	66.6%		
2012	64.7%	64.7%	64.1%	64.6%	64.5%	65.0%	64.4%			
2013	62.3%	61.6%	62.4%	63.7%	63.3%	63.5%				
2014	61.7%	61.1%	62.8%	62.0%	62.9%					
2015	61.7%	63.6%	63.1%	64.5%						
2016	63.7%	64.0%	65.1%							
2017	63.2%	65.0%								
2018	64.5%									

#### Deviation from 12 Month Estimate

Deviation from 12 month Estimate										
Acc Year	24	36	48	60	72	84	96	108	120	
2009	-0.7%	-2.9%	-5.2%	-6.1%	-7.3%	-8.0%	-7.8%	-8.6%	-8.7%	
2010	-0.4%	-0.4%	-1.9%	-2.3%	-3.0%	-3.0%	-3.7%	-3.9%		
2011	0.0%	0.1%	0.0%	0.0%	0.3%	-0.4%	-0.4%			
2012	0.0%	-0.6%	-0.1%	-0.2%	0.2%	-0.3%				
2013	-0.7%	0.1%	1.4%	1.1%	1.2%					
2014	-0.6%	1.1%	0.3%	1.2%						
2015	1.9%	1.4%	2.7%							
2016	0.2%	1.4%								
2017	1.8%									



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#### Polling Question 7

#### Question 7:

How do rate changes compare to loss trend for GL?

- a) Rate changes > loss trend
- b) Rate changes = loss trend
- c) Rate changes < loss trend

#### Other Liability Occurrence - Results



#### Umbrella

- Driven by AL results
- GL also an issue with large losses and verdicts



#### **General Liability**

• Rates are starting to move up with loss activity

#### **Products Liability - Results**

Net Loss+DCCE Ratio												
Acc Year	12	24	36	48	60	72	84	96	108	120		
2009	69.4%	66.3%	66.8%	62.1%	62.1%	59.7%	62.6%	64.4%	65.5%	67.7%		
2010	73.4%	75.5%	70.8%	74.9%	75.0%	75.7%	75.9%	76.0%	77.4%			
2011	71.0%	69.7%	72.3%	69.4%	73.0%	72.6%	72.6%	73.6%				
2012	68.8%	67.8%	63.6%	71.5%	61.2%	59.7%	60.0%					
2013	65.4%	60.1%	58.7%	57.2%	54.5%	55.2%						
2014	63.5%	60.0%	56.6%	54.2%	51.9%							
2015	64.3%	59.3%	56.2%	55.3%								
2016	68.4%	67.4%	64.5%									
2017	63.1%	63.2%										
2018	71.0%											

Deviation from 12 Month Estimate												
Acc Year	24	36	48	60	72	84	96	108	120			
2009	-3.1%	-2.6%	-7.4%	-7.3%	-9.7%	-6.8%	-5.0%	-3.9%	-1.8%			
2010	2.1%	-2.6%	1.5%	1.6%	2.2%	2.5%	2.6%	4.0%				
2011	-1.3%	1.3%	-1.6%	2.1%	1.6%	1.6%	2.6%					
2012	-0.9%	-5.2%	2.7%	-7.6%	-9.1%	-8.8%						
2013	-5.3%	-6.7%	-8.2%	-11.0%	-10.2%							
2014	-3.5%	-6.9%	-9.4%	-11.6%								
2015	-5.0%	-8.0%	-9.0%									
2016	-1.0%	-4.0%										
2017	0.1%											



#### Polling Question 8

#### Question 8:

How do rate changes compare to loss trend for Workers' Compensation?

- a) Rate changes > loss trend
- b) Rate changes = loss trend
- c) Rate changes < loss trend

#### Workers' Compensation - Results

N of I	_oss+DCCE Ratio	
INELI	LUSSTUCCE NAUU	

Acc Year	12	24	36	48	60	72	84	96	108
2009	74.8%	75.1%	74.8%	75.3%	75.2%	75.0%	74.9%	74.7%	74.1%
2010	77.7%	80.4%	81.1%	81.4%	81.4%	81.3%	81.0%	80.2%	79.6%
2011	77.9%	78.5%	79.1%	79.1%	79.0%	78.6%	77.8%	77.2%	
2012	75.0%	73.7%	73.2%	70.8%	71.6%	70.6%	69.8%		
2013	70.5%	69.3%	68.2%	67.4%	66.1%	65.0%			
2014	68.0%	66.5%	65.2%	63.5%	61.9%				
2015	66.8%	65.3%	63.2%	61.3%					
2016	65.9%	63.7%	61.3%						
2017	65.7%	63.4%							
2018	64.7%								

Acc Year	24	36	48	60	72	84	96	108	120
2009	0.3%	0.0%	0.5%	0.3%	0.2%	0.0%	-0.1%	-0.7%	-1.1%
2010	2.7%	3.3%	3.7%	3.7%	3.6%	3.3%	2.5%	1.9%	
2011	0.6%	1.2%	1.2%	1.1%	0.7%	-0.1%	-0.7%		
2012	-1.3%	-1.8%	-4.2%	-3.4%	-4.4%	-5.2%			
2013	-1.2%	-2.3%	-3.1%	-4.5%	-5.5%				
2014	-1.5%	-2.8%	-4.5%	-6.1%					
2015	-1.6%	-3.6%	-5.6%						
2016	-2.2%	-4.5%							
2017	-2.3%								



120 73.7%

#### Workers' Compensation - Results

# Frequency changes have been driving results

- Investment in safety with improved economy
- Favorable development
- Rate Decreases

## When will this end?

- Economic Impacts to change frequency
- Reserve releases dry up
- Medical inflation can get severe

#### Polling Question 9

#### Question 9:

How do you view the casualty reinsurance

- a) Softening
- b) Static
- c) Hardening
- d) Disjointed

#### **Assumed Non-Prop Liability - Results**

	Net Loss+DCCE Ratio												
1	2 24	36	48	60	72	84	96	108	120				
64.7	% 67.5%	63.0%	62 4%	62.0%	60.6%	58.3%	56.9%	55.9%	55.2%				

2009	64.7%	67.5%	63.0%	62.4%	62.0%	60.6%	58.3%
2010	63.5%	61.5%	61.0%	59.3%	57.7%	57.0%	55.7%
2011	69.1%	70.7%	69.0%	67.7%	65.7%	64.1%	63.5%
2012	61.9%	62.9%	61.9%	63.8%	62.9%	62.7%	61.8%
2013	62 4%	62.6%	63.7%	61.0%	59.9%	58.9%	

77.2%

61.2% 60.6% 61.6% 60.8% 65.7% 67.4% 69.2%

 2016
 73.5%
 77.1%

 2017
 88.5%
 84.3%

61.1%

64.2%

3.6%

3.7%

86.1%

Acc Year

2014

2015

2018

#### Deviation from 12 Month Estimate

Acc Year	24	36	48	60	72	84	96	108	120
2009	2.8%	-1.7%	-2.3%	-2.8%	-4.1%	-6.4%	-7.9%	-8.8%	-9.5%
2010	-1.9%	-2.5%	-4.1%	-5.8%	-6.5%	-7.8%	-9.9%	-10.6%	
2011	1.6%	-0.2%	-1.4%	-3.4%	-5.1%	-5.6%	-7.0%		
2012	1.0%	0.0%	1.9%	1.0%	0.8%	-0.2%			
2013	0.2%	1.3%	-1.5%	-2.5%	-3.5%				
2014	0.2%	-0.4%	0.5%	-0.3%					
2015	1.5%	3.2%	5.0%						

2017 -4.2%

2016

**Swiss Re** 

53.6%

62.1%

52.8%

#### The Reinsurance Market

### Proportional

- Commission changes with
- ELR
- Margin needed
- Margin changes with required return
- Profitability of account/line
- Investment return
- Market Interest in opportunity can vary the required margin
- Overall will follow the primary market to large degree

## Nonproportional

- Large losses over the last 2-3 years show the volatility involved
- Increased prices on lines impacted



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