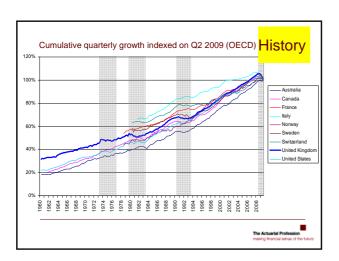
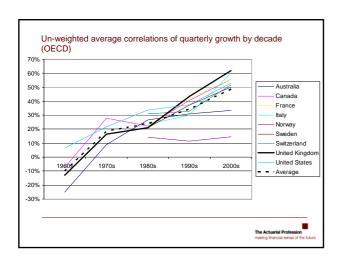
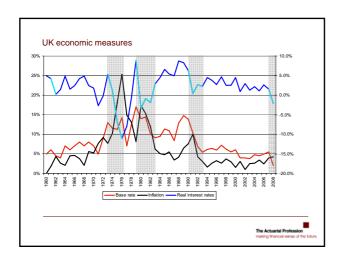
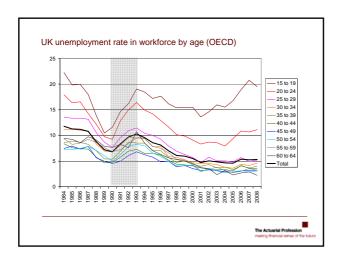


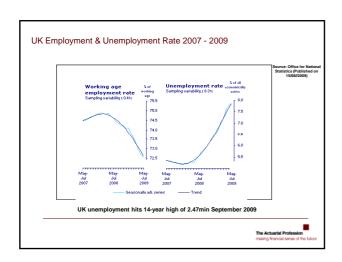
## Introduction - History - Implications - Observations - Discussion

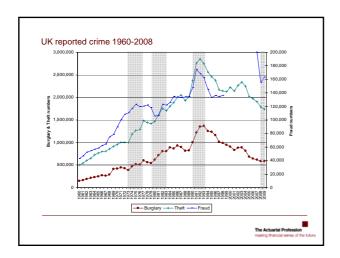


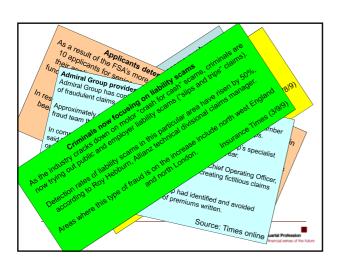


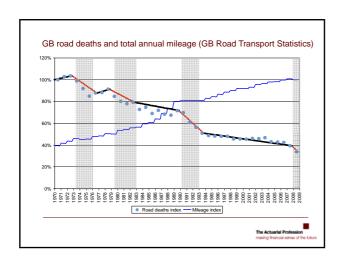


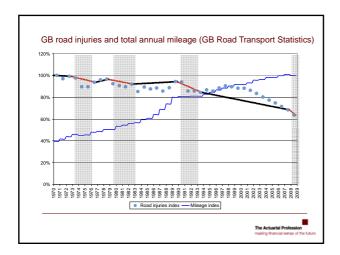


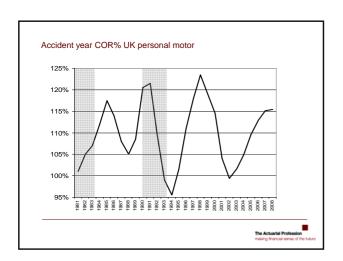


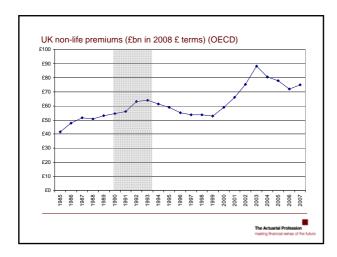












Why this recession is unlike the last one for non-life? (2008 money terms)

Additional insurance claims leading into the recession:

- 1990 storms ~ £3bn
- Subsidence 1989-91 ~ £2bn
- Mortgage Indemnity ~ 600,000 repossessions 1990-93 ~ £3bn
- Additional losses of around 12% of one year's GWP
- Last time 40% of additional claims were not recession linked

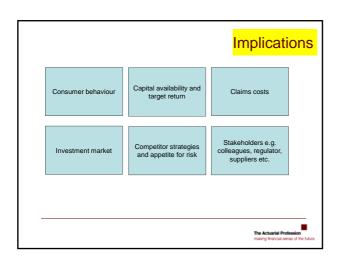
Sources: Council of mortgage lenders, Article by Palutikof, National statistics

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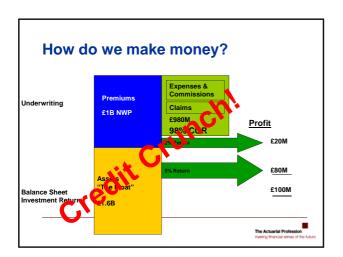
### History - key messages

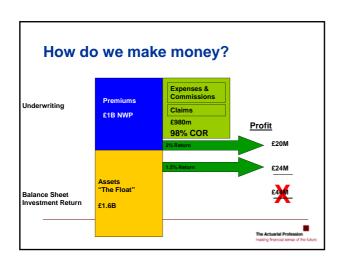
- Initial insurance conditions have considerable impact
- Last time GWP held up
- UK increasingly correlated to world economy
- Moral hazard increases
- Threat of prolonged deflation
- Not just the usual suspects

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### Consumer behaviour - Household / business budgets under pressure - Add-ons - Reduced mileage - Non-disclosure at point of sale - Commercial risk management Claim cost - Higher unemployment / budgets under pressure - Lower inflation - Lower inflation - Loses upkeep on properties - Lower business profits - Disconnect between exposure measures and underlying risk - Disconnect between exposure measures and underlying risk - Cash / near-cash assets yielding near zero - Dividends cut & reduced / stagnant equity values - Increased incidence of corporate bond default - Low inflation / interest environment









### Implications for us

### Understand exposure:

- MI essential to spot trends early
   Review feedback mechanisms.....and take action
- Consequences of exposure measuresUnderwriting fraud

- Think about targets
  Corporate ROE target
  Competitors under different pressures

- Claims management:
  Fraud detection
  Cash settlement vs supply chain
  Commercial reduced settlement for cash
- Review claims ethos
   Rebalance resource cost against indemnity spend

### Implications for us

### Consumer dynamics:

- Price optimisation balance margin and volume
- Care needed if chasing excess return
- Clear opportunities

### Pricing & underwriting:

- Back to fundamentals
- Increased sophistication
- Fraud prevention of increased importance
- More dependence on "good" judgement

### **Prioritisation Web** Customer propensities Financial Targets UW footprint Response Time

### Implications - key messages

- Investment landscape has put real pressure on COR
- Financial targets will diverge creating competitive advantage
- Difficult trade off between short and long term considerations
- Upward pressure on rates
- Customers more promiscuous aggregator facilitated
- Challenge to the broker consolidation model
- Back to fundamentals then build on it
- Need to refresh propensity models...rely less on history
- Rely less on proxies think hard about the risk
- Opportunity for innovation product, pricing and underwriting
- Demands on pricing increased, timescales reduced

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### Culture

### **Observations**

- Volatility/unreasonableness of targets
- Patience in short supply
- Risk appetite board structures, nationalised banks/insurers
- Risk directors making their presence felt
- Short-term vs long term knee jerk prices vs sophistication
- Reputational risks for the company/profession?
- Resource constraints, more expected in shorter time frames from pricing
- Closer scrutiny from regulators
- We will need to think differently under Solvency II

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### International

- Rationale for cross border expansion has changed
- Fire sales may create opportunities
- Exchange rates
  - Fluctuations distort reported profits
  - Claim costs in Euros, premiums in local currency
- Fraud
  - Different cultures have varying attitudes to fraud so if we think fraud will increase in a recession then the rate of increase will vary from country to country
- Multinational insurers need to treat each territory separately

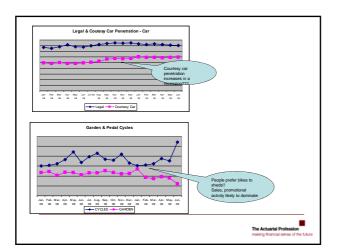
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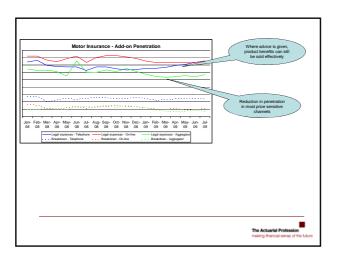
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<ul> <li>Initial insurance conditions have considerable impact</li> </ul>	<ul> <li>Investment landscape has put real pressure on COR</li> </ul>	
<ul> <li>Last time GWP held up</li> <li>UK increasingly correlated to world</li> </ul>	<ul> <li>Financial targets will diverge creating competitive advantage</li> </ul>	
economy  Moral hazard increases	<ul> <li>Difficult trade off between short and long term considerations</li> <li>Upward pressure on rates</li> </ul>	
<ul> <li>Threat of prolonged deflation</li> <li>Not just the usual suspects</li> </ul>	<ul> <li>Customers more promiscuous – aggregator facilitated</li> </ul>	
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	making financial sense of the future	
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Vou only find out wh	ho's been swimming	
naked when the tide	a goes out	
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Warren Buffett		
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		7
Questions for you	- discuss	
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Should actuarial science lead in pricing?	ce or underwriting art take the	
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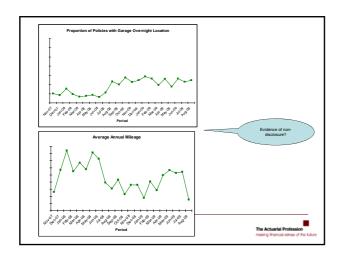
### Appendix

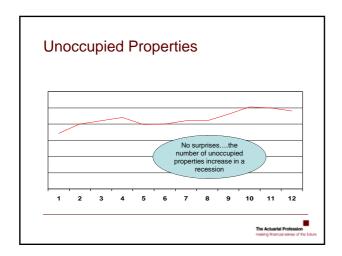
- Add-on penetration
- Commercial trends
- Implications detail
- So what do we do detail

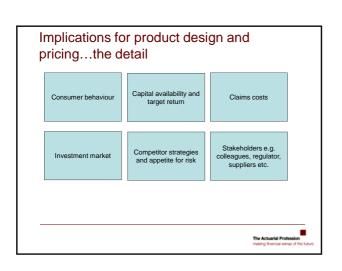
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# | Implication |

Effect	Implication	
Higher unemployment / budgets under pressure	Increased frequency of Theft - largely opportunistic Arson Payment protection claims – dump cars Fraud Fabricated / exaggerated claims Staged accidents Small claims Professional indemnity claims Fidelity Guarantee/Employee Dishonesty of Homes more likely to be occupied during the day Increased ommercial property un-occupancy Increased preference for pendic payments	
Lower inflation / car prices	Replacement cost of items (e.g. white goods) lower – subject to supply chain contract!     Salvage values falling     Lower wage inflation	
Lower repairs / up-keep on properties	Increased incidence of water claims     More wear and tear repudiations	
Lower business profits	Increased Fidelity Guarantee/Employee Dishones Value of assets lower - commercial claims cost re Business failures - increase D&O claims Increased litigation - effect on PI claims Reduction in spend on Risk Management	

ffect	Implication
ash / near-cash assets yielding near	Depends on investment portfolios and degree to which investment return critical to overall performance     Cash / near-cash unaffected by asset price crash and may benefit from competibit fillsh to safety
vidends cut & reduced / stagnant	
juity values	<ul> <li>Bonds relatively unaffected to date but default risk increasing. Much</li> </ul>
creased incidence of corporate bond fault	depends on credit rating of individual holdings • Equities clearly suffered most from falling asset prices. Long ter outlook depends on pressure to sell related to cash flow and risk appetite of Board to "ride out the storm"
w inflation / interest environment	Overall yields lower than assumed than in pricing model
	Lower inflation in staff costs / other direct costs     Downside risk to Ogden discount rate / increased likelihood of periodic payment settlements

### Implications for other stakeholders

Stakeholder	Implication
Suppliers	Re-negotiate terms versus putting them out of business Risk of third party suppliers casaing trading - more serious than in the past due to extensive outsource arrangements Customer facing Software / systems Credit risk on reinsureers or premium credit
Regulator	Regulator under increased scrutiny     Legislation / intensity of focus only going to increase     Solvency II?
Colleagues	Morale low     Staff turnover lower through fewer job opportunities – lower recruitment costs and increased level of experience

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### Implications on competitor strategy...detail

- Insurers making difficult decisions
  - price, product, target markets, ROE targets and repairing balance sheets
- Everyone starting from a different place and doing things differently
  - Some have less balance sheet / ROE pressure
  - New entrants are well placed | they can raise capital (contrast rapid growth of Direct Line in 1990s)
- In such a dynamic market the implications of any decision could be profound

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### So, what do we do about all this...?

### 1. Understand your exposure:

- MI essential to spot trends early
  - Internal customer mix / claims....
  - External male < 25 unemployment rate / GDP....
- Review feedback mechanisms.....and take action
  - Distribution channels / consumer buying behaviour / purchase objections
  - Claims management peril trends / fraudulent claims
- Consequences of exposure measures
  - Wage roll / turnover / hull and properly values
  - Is it a "true" measure of exposure?
  - SI values when index linking indices go negative?

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### So, what do we do about all this...? 2. Think about your targets: Corporate ROE target • Increasing to offset pressures elsewhere? Implications of short-termism on existing customer base – aggregators make this time around different Competitors are under different pressures 3. Claims management: Fraud detection Review whether risk mis-declared • Cash settlement Vs supply chain ■ Commercial – reduced settlement for cash So, what do we do about all this...? 4. Consumer dynamics: Upwards pressure on rates - claims / investment outlook Risk losing customers to competitors / un-insurance Balance cost of acquisition of new customers (high, even in current environment) Vs. risk of existing customers leaving Aggregator proposition forcing prices down Price optimisation - balance margin and volume • Care needed if chasing excess return Clear opportunities · Price, strip products down, increase excesses, add new covers Heightened need to communicate product / cover changes Innovative product design - telematics, optional perils, multi-year • Flight to reduced underwriting risk - less competition in some areas • New entrants - no legacy claims / system issues but need capital!! Recession proof trades - pawn brokers, pizza delivery, debi counselling Leverage Government investment in infrastructure projects So, what do we do about all this...? 5. Pricing & underwriting: Back to basics Postcode reviews may have been deferred for some time and / or focused on natural perils Geographic risk from current recession may differ from previous recessions (white collar Vs blue collar) Make sure underwriting footprint is consistent with risk appetite Relativities – to change or not to change? • More pragmatism - only got 6 months data how do you use it? More sophistication – cleverer / better ways Increased sophistication Price optimisation / Credit scoring · Factors that reduce emphasis on rating factors open to non-disclosure data validation • Fraud detection of increased importance

At point of sale given non-disclosure risk e.g. links to CUE etc.