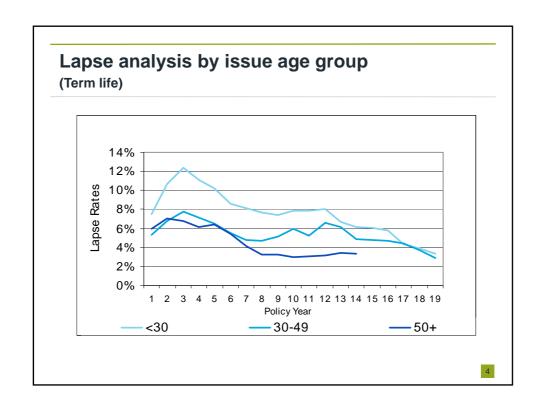
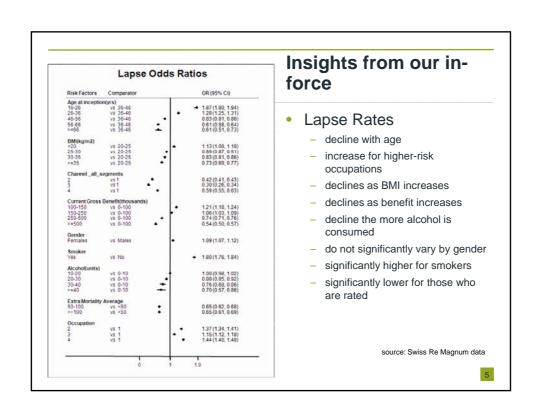


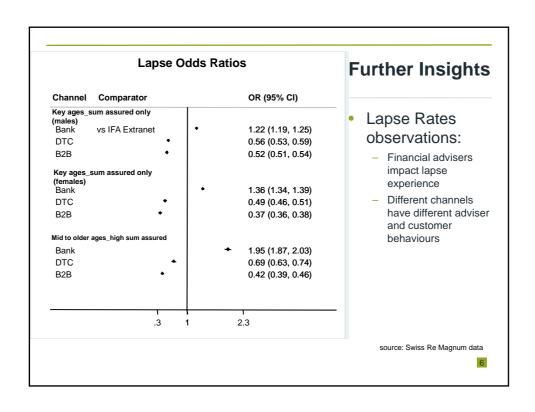
Analysing Lapse and Claim

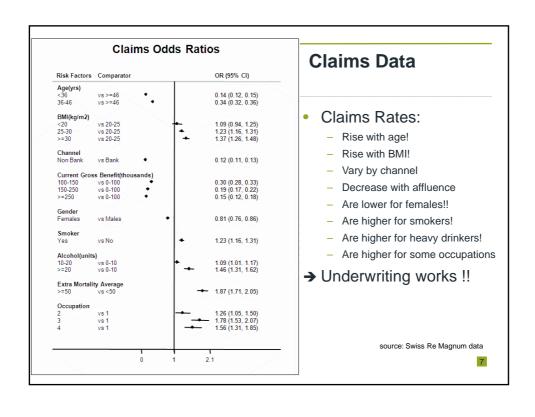
- We can start to analyse lapse and claim by factors collected during the underwriting phase
- Caveat The following are very early results and are shown to illustrate what is possible rather than definitive results

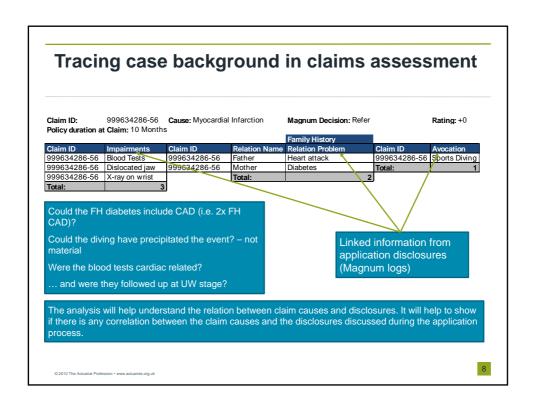
2

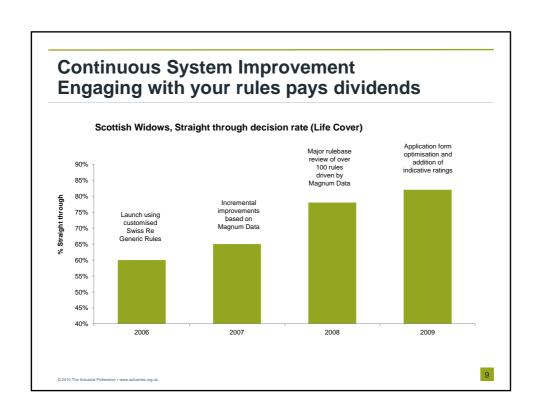












Hidden Value

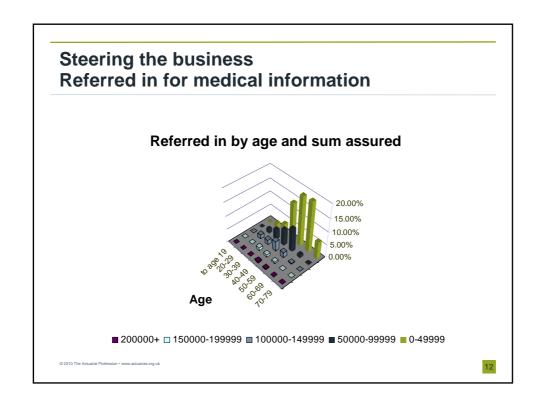
- Benefits of Automated Underwriting System
 - Customer service
 - Savings in FTE and medical fees
 - Consistent and accurate decisions
 - Management Information
 - Steer the business and
 - Police the information being entered

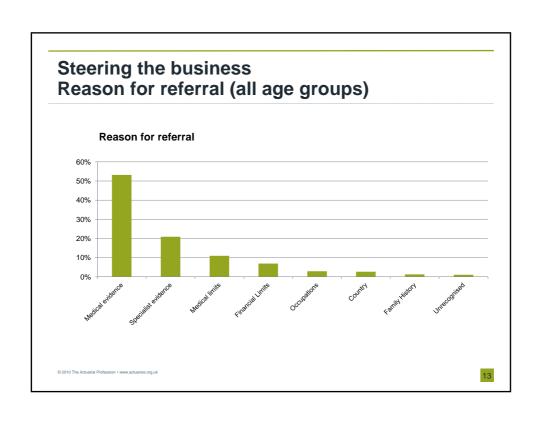
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Steering the business Main areas for constant review

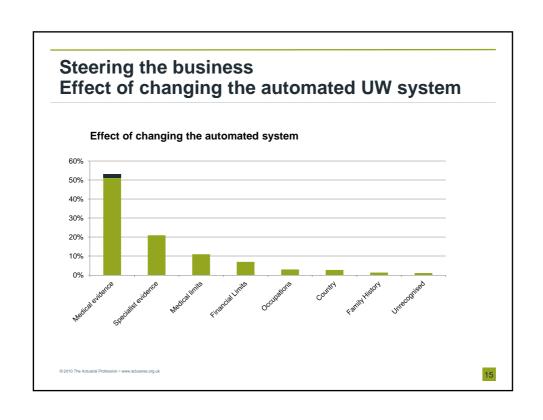
- Referred in
 - Most of medical expenses budget incurred by cases referred in for manual assessment
- · Outcome of business underwritten
 - Automated UW decisions against persistency of the business

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		ons asked	
Impairment	Efficiency	Impairment Questions Referred In %	Final Policy decision (%) Std / Load/ Dec
Hypertension	78%	Q1 refers 5%	30 / 34 / 36
		Q2 refers 8%	40 / 20 / 40
		Q3 refers 9%	3 / 5 / 92
Mental Illness	81%		
Diabetes	72%		
Back Disorders	99%		



Steering the business Underwriting decisions and persistency

Automated System decision / Status	Standard	Loaded	Refer	Decline
Inforce	2000	500	500	300
NTU	400	150	250	
Claim	5	2	0	
Declined	10		20	300
Etc				

[•]Look at outcomes by product type, SA size and age groups.

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Steering the business Early claim – able to look back at UW records

UW Question	Answer given
What type of cancer?	Breast Cancer
When was your last treatment?	01/07/1998
Has you cancer spread to other parts of your body?	No

- Applicant had treatment in 2005 and 2011, at time of application cancer was Stage 3
- Stage 3 usually means the cancer is larger. It may have started to spread into surrounding tissues and there are cancer cells in the lymph nodes in the area. (source Cancer research UK)

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[•]Data is for illustration purposes only

Policing the system

- · Policing Data entering the system
 - Need to make customer journey smooth and avoid disputes at claim.
 - Poor data will lead to incorrect risk assessment of the policy.

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Policing the system

- Need to ensure that the applications represent a true and fair view of the health status of the applicant.
- Our main checks are:
 - From underwriting system
 - Agent behaviour through the Acceptance and Impairment report and resubmitted policies
 - From other sources
 - Asking all clients to check the answers given to the medical questions.
 - Random sampling
 - Target sample

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Policing the system Acceptance and Impairment Report

- This is one of the most valuable reports from the Underwriting system MI.
- Measure agent behaviour by:
 - Disclosure
 - Completion
- We look for sellers with high acceptance rates and very low impairment rates.
- Build picture up over time, look at distinct quarters.

Agent	Quarter	Number	Acceptance	Impairment	Status	
ALL	average		67%	35%		
X181	Q4 09	50	71.8%	36%		
	Q1 10	61	91.8%	8.1%	Fail	
	Q2 10	87	81.3%	17%	Fail	
	Q3 10	67	66%	34%		
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The End

- What I have shown you is a small part of the statistical work undertaken by Scottish Widows but hope it demonstrates that
 - the value of a automated underwriting system goes beyond just assuming it is a tool for underwriting, it is a very powerful means of managing your business.

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Data accuracy

- The data underlying the graphs is based on live data taken from the SW database, August 2011.
- Please do not reply on the results of any graph as the volume of data is not significant to permit accurate conclusions to be drawn.

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Expressions of individual views by members of The Actuarial Profession and its staff are encouraged. The views expressed in this presentation are those of the presenter.

