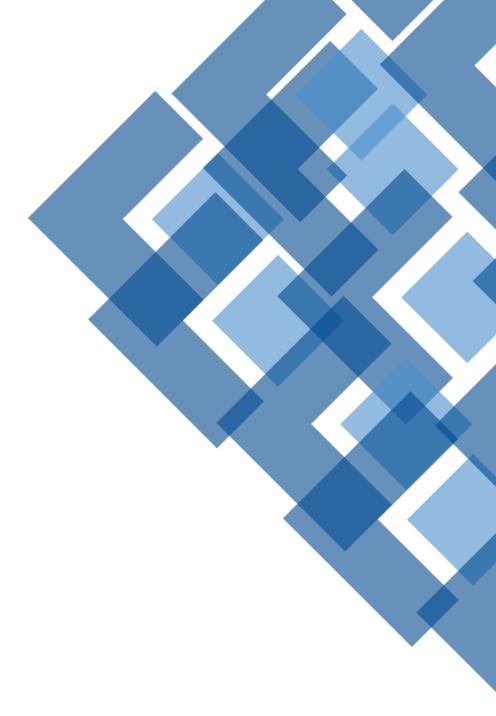


Specialty Insurance Markets

Presentation for the 2015 Casualty Loss Reserve Seminar

CONNING® September 2015

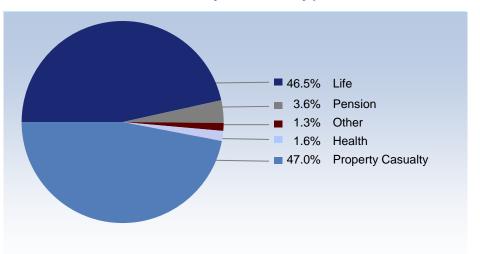


Conning

Who we are...

- Founded in 1912; insurance specialists for more than 50 years; investing insurance assets for nearly three decades
- Managing \$94.8 billion for 150 clients*
- 296 employees with locations in Hartford, New York, London, Cologne, and Hong Kong*
- Independently owned by Aquiline Capital Partners, Conning employees, and Cathay Financial Holdings
- On November 12, 2014, Cathay Financial Holdings announced that its subsidiary, Cathay Life Insurance Co, Ltd., approved the acquisition of Conning

Assets by Client Type*



*As of 3/31/2015 Includes Conning, Inc., Conning Asset Management Limited, Cathay Conning Asset Management Limited, Goodwin Capital Advisers, Inc., and Conning Investment Products, Inc.

Company founded by William S. Conning; provides investment advice to high net worth individuals	1912
Began providing insurance stock research and advice to institutional investors	1950
 Expanded into consulting and strategic industry research for senior insurance executives 	1970
 Formed asset management group to manage investments for insurance companies 	1988
Acquired insurance asset management business of TCW Group	1999
Acquired insurance asset management business of Charter Oak Asset Management	2000
 Acquired assets of DFA Capital Management, a leading provider of risk modeling software 	2010
 Launched High Dividend Equity strategy (Jan 2011) Established Hong Kong investment center though joint venture with Cathay Financial Holdings 	
Acquired Goodwin Capital Advisors	2011
Launched European investment center	2012
 Launched new Liquid Alternatives and Equity MLP offerings 	2013
 Acquired certain assets of Brookfield Investment Management Inc.'s Core Fixed Income Insurance Business 	2014



Conning Insurance Research & Consulting Solutions

Published Research

- Strategic Studies on Key Industry Issues
- Forecasts of Line of Business and Industry Performance
- Line of Business Market Assessment Reports

Consulting

- Strategy Development and Review
- Proprietary Analysis & Surveys
- Business Development Support
- Rating Agency Support
- Peer & Competitor Analyses
- State Level Premium Forecasting

Tools

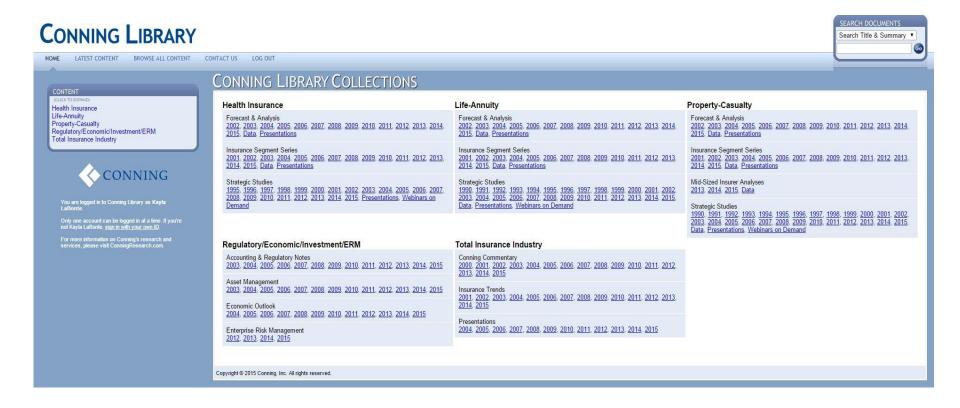
- Proprietary Models
- Market Share Analyses
- Midsized Insurer Analyses
- Presentations
- Webinars on Demand

Experienced Research Professionals

Backgrounds: Actuarial, underwriting, equity research, strategic planning, investment banking, insurance operations, consulting



Conning's Online Insurance Research Portal



- More than 9,500 Active Users in 125 Companies
- 25 Year Archive
- Reports, Presentations, Datasets, Webinars on Demand



Agenda

Defining Specialty Markets

Market Strategies

Commercial Lines

Personal Lines

Distribution—Focus on MGAs

Reinsurance

The Future of Specialty Markets



DEFINING SPECIALTY MARKETS



Defining Specialty Markets

Specialty is a multi-defined marketplace

- Various definitions, often situational
- Indefinite, overlapping markets based on:
 - Perceived level of risk
 - Distribution
 - Insurer
- Key "specialist" differentiator is uncommon expertise
 - Underwriting
 - Loss control
 - Claims
 - Customer market knowledge



Defining Specialty Markets

Matrix of Specialty Insurance Definitions

Types of Specialty Insurers		Definition	Notes	
High-Risk	E&S insurers (nonadmitted paper)	Not licensed in the state of the insured customer	Includes foreign (domiciled in another state) and alien (another country)	
	High hazard (admitted and nonadmitted)	Risks with high severity loss potential	High severity loss exposure due to operations or coverage provided	
Specialty	Nonstandard	Risk falls outside standard underwriting guidelines	Well above average loss frequency or new venture	
	Emerging risks	New industry coverage	High risk due to limited underwriting data	
	Unique risks (one-off)	Individual solutions	Negotiated and manuscript coverages	
	Small markets	Low premium volume markets	Often with limited underwriting data	
Niche Market	Single customer niche insurer	Focuses on one customer group	Often created by underserved customers	
	Multiple niche markets	Focus on a number of customer groups	Often evolve from single customer niche insurers	
Product Specialists	Line-of-business master	Special expertise and services related to an insurance product	Differentiated from insurers with a focus on a particular customer niche	
	Primarily one insurance product	All/most premium in a single product	May be regional or customer niche- focused insurers	

Source: Conning



MARKET STRATEGIES



Market Strategies: High-Risk Specialists

Matrix of High-Risk Specialty Markets

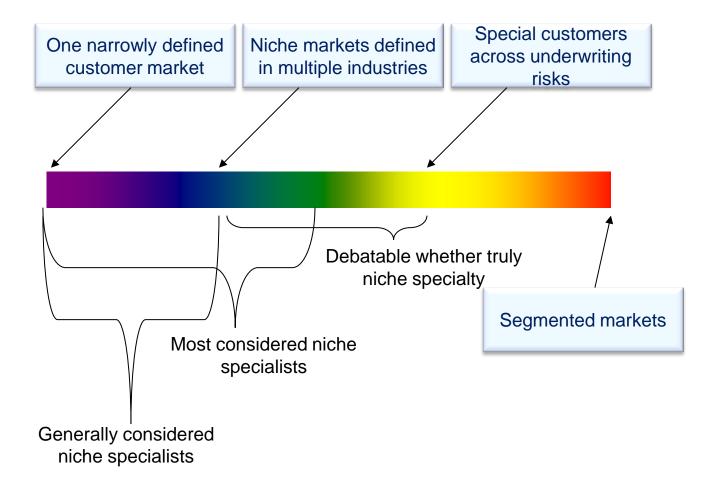
Types of H	igh-Risk Insurance	Definition	Notes	
High Hazard Risks	Property severity loss exposuresHigh fire-load propertyHighly exposed propertyVery large limits	Exposes the insurer to very large (shock) loss	Example: \$5 billion flammable chemical manufacturing plant	
	 Liability severity loss exposures Hazardous operations Coverages with perceived high loss potential High excess limits 	Exposes the insurer to very large (shock) loss	Examples: handling hazardous materials and many professional liability coverages	
Non- standard Risks	 Inadequate or unknown risk management Unprofitable loss history New ventures with inexperienced management 	Exposes insurer to substantially below-average risk controls or unproven management	Example: customer with unprofitable loss history in otherwise commonly insured industry	
Bespoke	Custom (bespoke) businessEmerging industriesEmerging coveragesUnique risksCreative coverage	Exposes insurer to risks with limited underwriting data to support pricing and coverage language subject to court-interpreted expansion	Example: negotiated manuscript coverages	

Source: Conning



Market Strategies: Customer Niche Specialists

Customer Focus Insurers Range from Single to Multi-Specialty



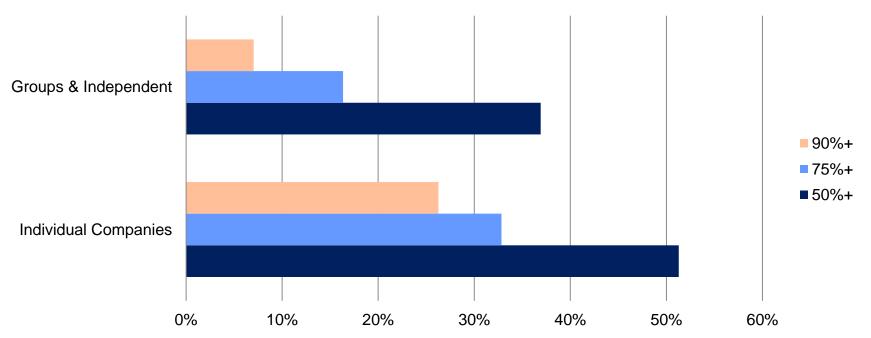
Source: Conning



Market Strategies: Insurance Product Line-of-Business Specialists

Product Specialists Have Substantial Market Share

Product Specialist Insurer Premium as a % of Total Premium, 2014 Groups versus Individual Companies



- Product specialists dominate some lines of business
 - Financial guaranty and medical professional
 - Significant personal auto, crop, and workers' compensation



Top Surplus Lines Writers

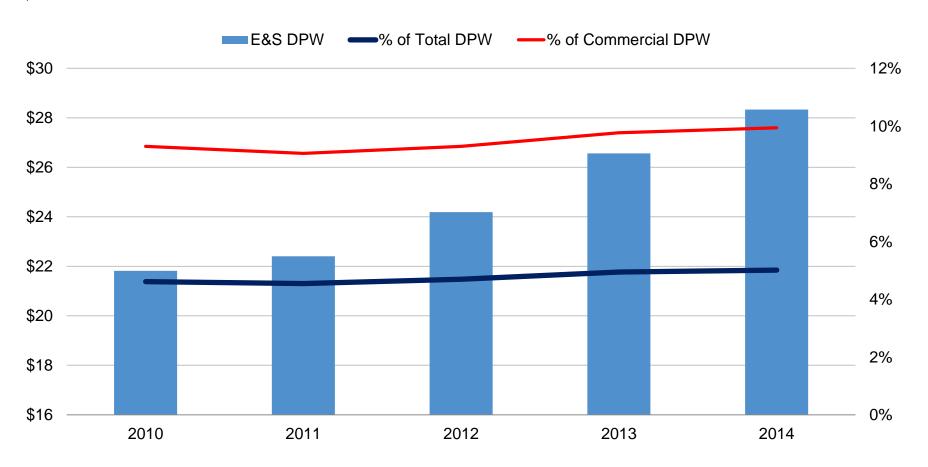
\$ in millions

		2014 Direct Premiums	Direct Premiums	Surplus Lines Market	Combined
Company	Group	Written	Written Growth	Share	Ratio
Lexington	AIG	\$3,817	(5%)	14%	95%
Scottsdale	Nationwide	1,559	7%	6%	93%
Steadfast	Zurich	1,066	(2%)	4%	78%
Ironshore Specialty	Ironshore	901	10%	3%	96%
AIG Specialty	AIG	900	8%	3%	102%
Columbia Casualty	CNA	746	(8%)	3%	87%
Indian Harbor	XL Catlin	728	17%	3%	81%
AXIS Surplus	AXIS	592	8%	2%	81%
Westchester Surplus Lines	ACE	577	9%	2%	52%
Arch Specialty	Arch	553	7%	2%	74%
National Fire & Marine	Berkshire Hathaway	541	100%	2%	70%
Landmark American	Alleghany	533	(7%)	2%	56%
Chubb Custom	Chubb	528	42%	2%	92%
Colony	Argo	523	5%	2%	79%
QBE Specialty	QBE North America	523	(33%)	2%	63%
Top 15 Surplus Lines Writers		\$14,085	3%	50%	85%
Total Surplus Lines Composite		\$28,227	7%	100.0%	86%



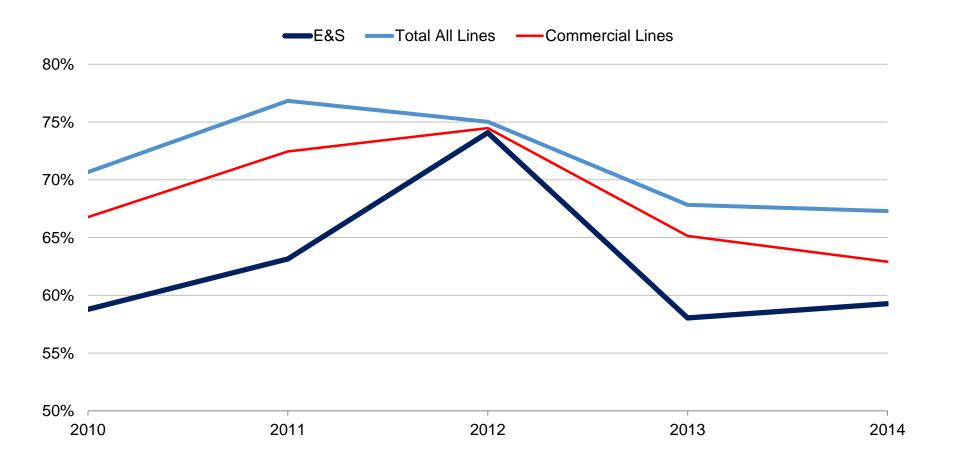
Changes in E&S Premium and Market Share

\$ in billions



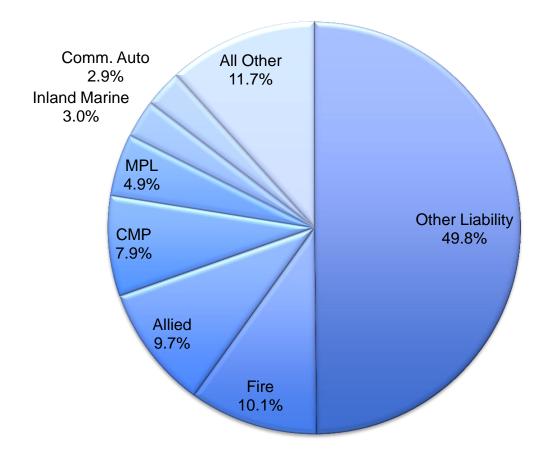


Direct Incurred Loss Ratios for E&S, Industry, and Commercial Lines



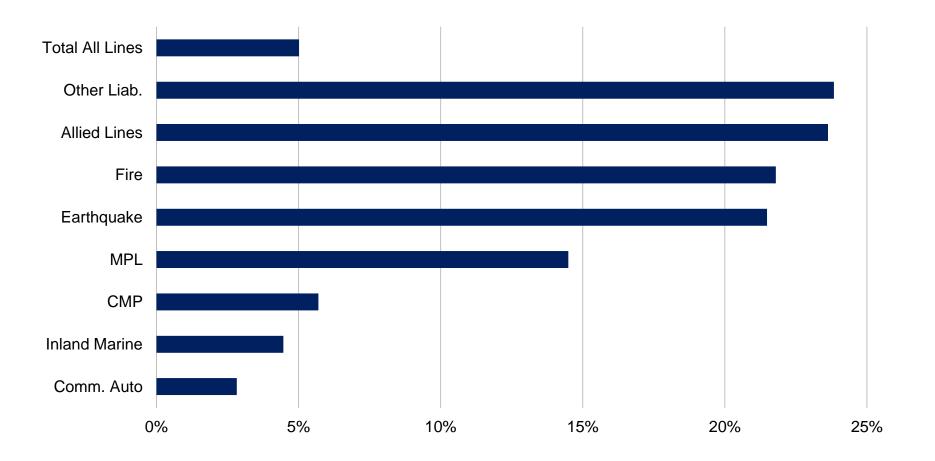


Distribution of Lines of Business in E&S, 2014





E&S Share by Line of Business, 2014





COMMERCIAL LINES



Top Performers, Summary of Individual Company Financial Performance

Ten-Year Median Results, 2004-2013

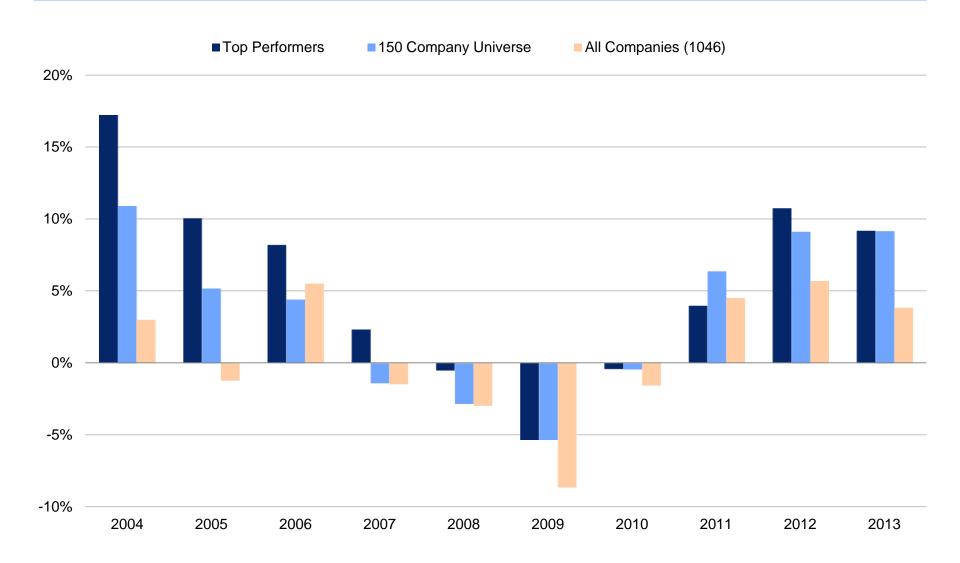
\$ in millions

		2013				
	Conning	Commercial	Net Premiums	Combined	Operating	Return on
Company	Score	Premiums	Written Growth	Ratio	Ratio	Surplus
Philadelphia Insurance (Tokio)	36	\$3,714	11%	90%	78%	13%
RLI Group	36	607	2%	84%	71%	16%
Assurant Specialty P&C	35	2,383	17%	76%	76%	29%
Chubb Group of Companies	35	7,010	0%	89%	75%	16%
Great American Insurance	34	2,142	3%	92%	78%	17%
Atain Insurance	34	72	10%	79%	67%	14%
HCC Insurance Holdings	34	798	1%	84%	65%	17%
Medical Mutual of NC	34	76	2%	73%	59%	15%
W. R. Berkley	34	4,156	5%	95%	83%	14%
Alaska National	33	200	1%	85%	67%	16%
Lackawanna Insurance	33	98	9%	87%	82%	12%
Lancer Insurance	31	224	21%	95%	78%	19%
Travelers Companies	31	14,577	1%	89%	77%	18%
Caterpillar Insurance	30	210	21%	85%	74%	11%
Island Insurance	30	65	3%	86%	81%	12%
Average Top Performers		\$2,422	6%	87%	76%	15%
Average 150 Company Universe		\$890	4%	98%	88%	9%

Data source: ©A.M. Best Company—used by permission, public filings, Conning analysis

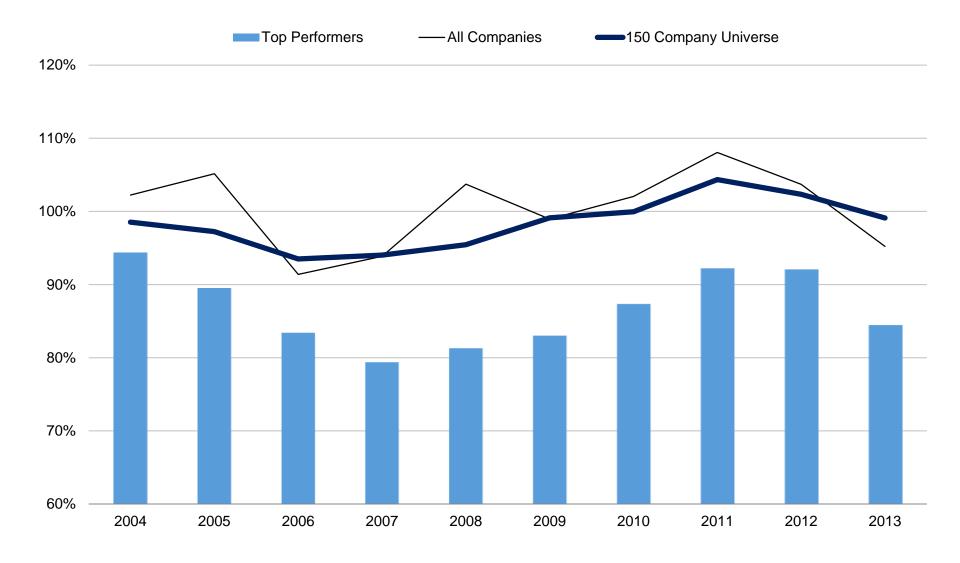


Annual Net Premium Growth, 2004-2013



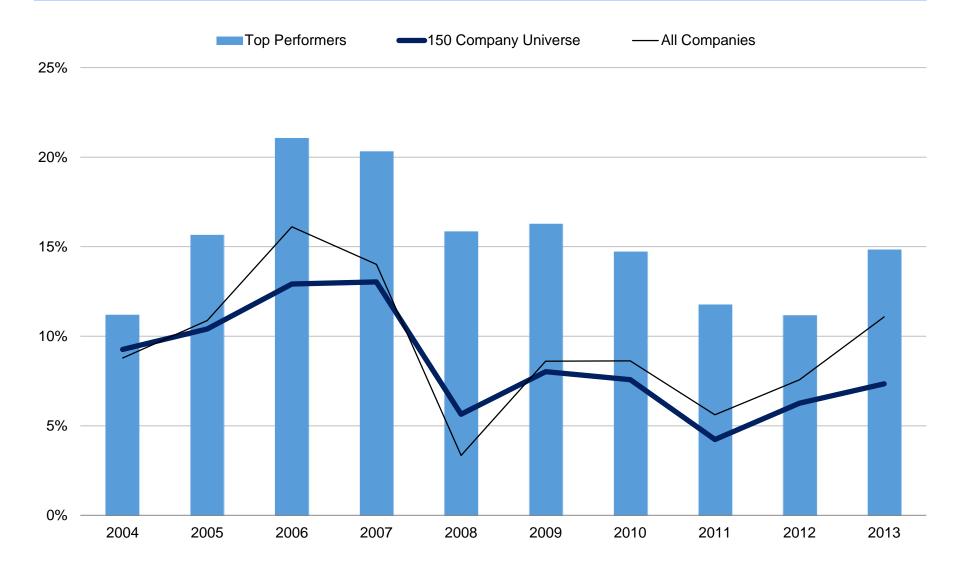


Annual Combined Ratio, 2004-2013





Annual Return on Surplus, 2004-2013



Note: Return on Surplus = Net Income/Average Policyholder Surplus

Data source: ©A.M. Best Company—used by permission, Conning analysis



Top Performers—Line-of-Business Analysis

Premiums in Two Largest Lines	Insurance Coverage	Industry Focus
100.0%	Medical Professional Liability	Individual physiciansPhysician practices
100.0%	Other Liability and Inland Marine	 Extended warranty contracts and physical damage for CAT equipment Inventory protection for independent CAT dealers
100.0%	Workers' Compensation	 Pennsylvania-only health care, transportation, contractors, retail and service companies
94.3%	Commercial Auto and Other Liability	 School and transit buses Motor coaches, van pools and limos Explosives transportation Long-haul trucking
88.8%	Other Liability and Allied Lines	 Demolition contractors Special events coverage Pilot car and garage liability Homeowners' association
84.6%	Workers' Compensation and Commercial Auto	 Hospitals Trucking Energy services Seafood and Marine
	Largest Lines 100.0% 100.0% 100.0% 94.3% 88.8%	Premiums in Two Largest Lines Coverage Medical Professional Liability 100.0% Other Liability and Inland Marine Workers' Compensation 88.8% Other Liability and Allied Lines Workers' Compensation

Data source: ©A.M. Best Company—used by permission, public filings, Conning analysis



Top Performers—Line-of-Business Analysis (Cont.)

	% of Commercial Premiums in Two	Insurance	
Company	Largest Lines	Coverage	Industry Focus
Assurant Specialty	78.5%	Fire and Allied Lines	 Forced-placed real estate property coverage for mortgage lenders
Island Insurance	69.6%	Workers' Compensation and Commercial Auto	 Condo and real estate owners Trucking Commercial crime and fidelity Financial industry bonds
HCC Insurance Group	69.5%	Other Liability and Surety	 Municipalities risk Architects/engineers' E&O Sports disability Contract surety and bail bonds
Philadelphia Insurance (Tokio)	65.8%	Commercial Multiperil and Other Liability	 Condo associations Educational and day care facilities Religious organizations Fitness centers
W. R. Berkley	57.9%	Other Liability and Workers' Compensation	 Mining Aviation Fine art Architects/engineers
RLI Group	56.6%	Other Liability and Surety	 Hawaiian homeowners Oil and gas surety bonds Long haul trucking Underground storage tanks liability ners characterized as multi-specialists

Data source: ©A.M. Best Company—used by permission, Public Filings, Conning analysis



Top Performers—Line-of-Business Analysis (Cont.)

Company	% of Commercial Premiums in Two Largest Lines	Insurance Coverage	Industry Focus
Chubb Group of Companies	55.3%	Other Liability and Commercial Multiperil	 Professional liability for financial institutions, professional firms, and health care Ocean and inland marine Contractors' pollution Kidnap/ransom
Great American Insurance (AFG)	50.2%	Other Liability and Workers' Compensation	 Equine mortality Agribusiness Builders' & contractors' equipment Marine and aviation
Travelers Companies	45.7%	Commercial Multiperil and Workers' Compensation	 Oil & gas Technology Agriculture Construction

Conclusion: Many Diversified Top Performers replicated specialization strategy of smaller insurers

Data source: ©A.M. Best Company—used by permission, Public Filings, Conning analysis



Common Characteristics of Top Performers

Concentration

A focus on line-of-business specialization or a geographic concentration.

Technology

The use of advanced technologies to quantify, price, and service individual insurance risks.

Distribution

Employing alternative distribution channels or controlling distribution to gain better knowledge of the product and service needs of an individual customer.

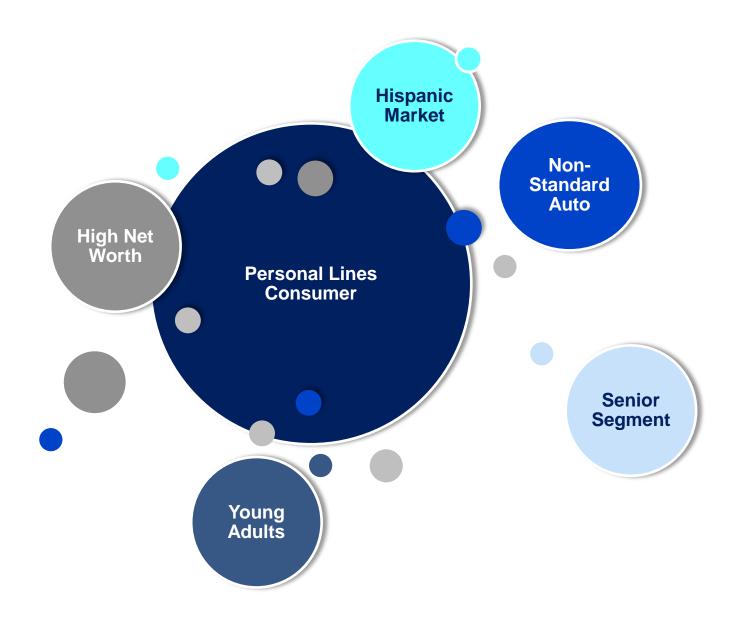
Alignment

The alignment of senior management's financial interest with the long-term financial success of a Top Performer.

PERSONAL LINES



Undifferentiated Personal Lines Market Dissolving





HNW Concerns Extend Beyond Typical Mass Market

Homeowners

Automobile

Excess liability

Valuables (jewelry, art, and other collectibles)

Watercraft (from small boats to large yachts)

Family protection (kidnap and ransom)

Workers' compensation and personal liability



U.S. HNW Market Is Served by a Small Number of Insurers

Insurers Serving the U.S. HNW/UHNW Market



ACE announced acquisition of the HNW business of Fireman's Fund and all of Chubb in 2015

Interest in the Nonstandard Market Is Changing

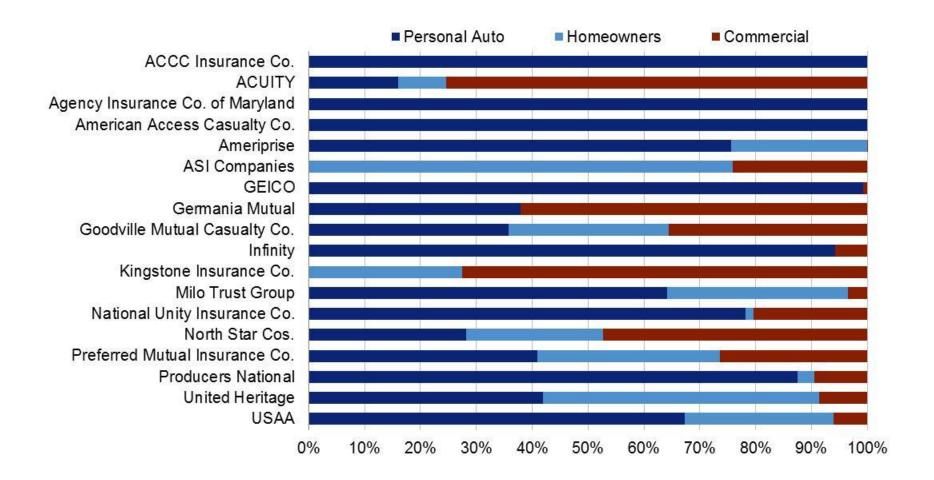
Common Characteristics of a Nonstandard Risk

- Lack of prior insurance
- Failure to maintain continuous coverage
- Driver age (both youthful drivers and elderly drivers tend to exhibit greater claim frequencies)
- Prior accidents
- Driving violations
- Type of vehicle driven (expensive or high-performance vehicles cost more to repair or replace and may create an appealing target for vandals or thieves)
- A demonstrated history of financial difficulties or carelessness (linked to poor credit scores)
- Need for flexible payment plans and installment billing options
- Occupation (certain occupations are statistically correlated with higher loss frequencies)



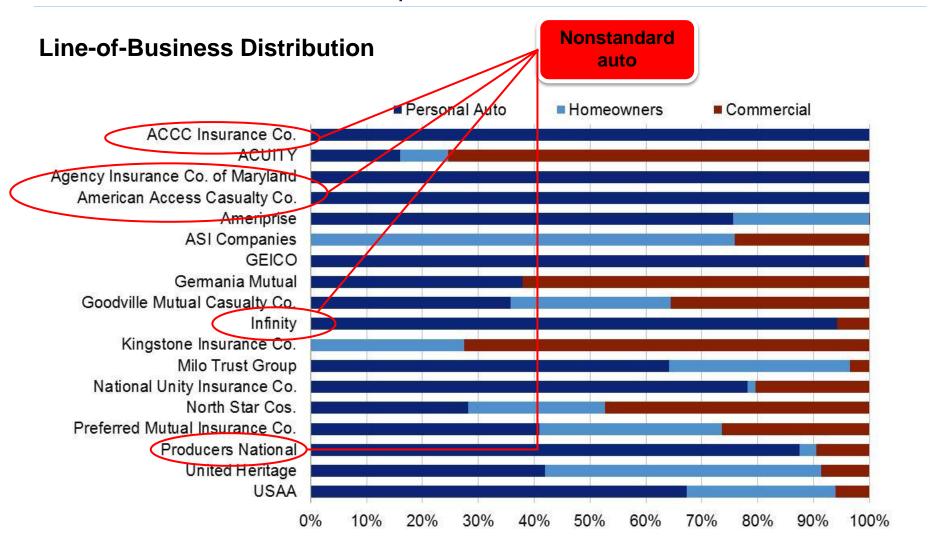
Specialization Common Among Market Leaders

Personal Lines Growth and Profit Leaders: Line-of-Business Distribution





5 of the Leaders Are NSA Specialists





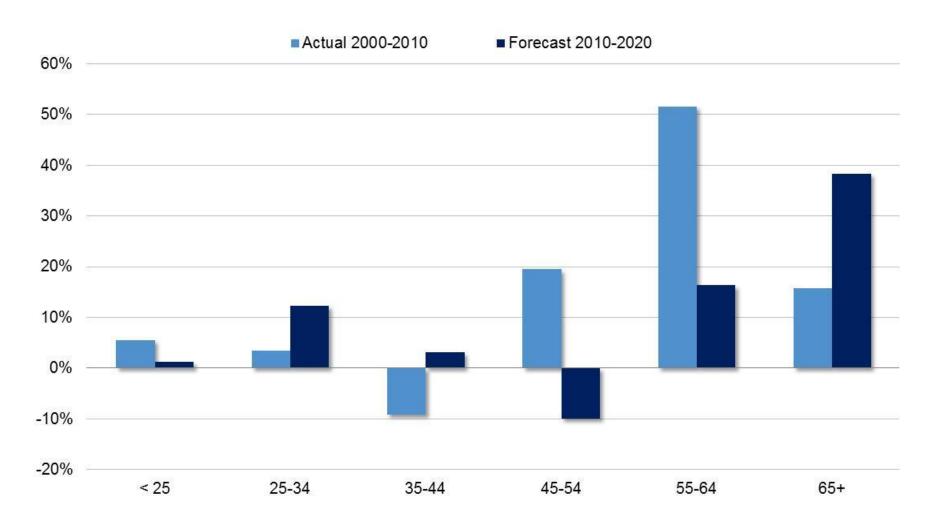
With Improving Data NSA Could Dissolve into Micro-Segments





Senior Segment Is the Fastest-Growing Age Cohort

U.S. Population Growth by Age Cohort

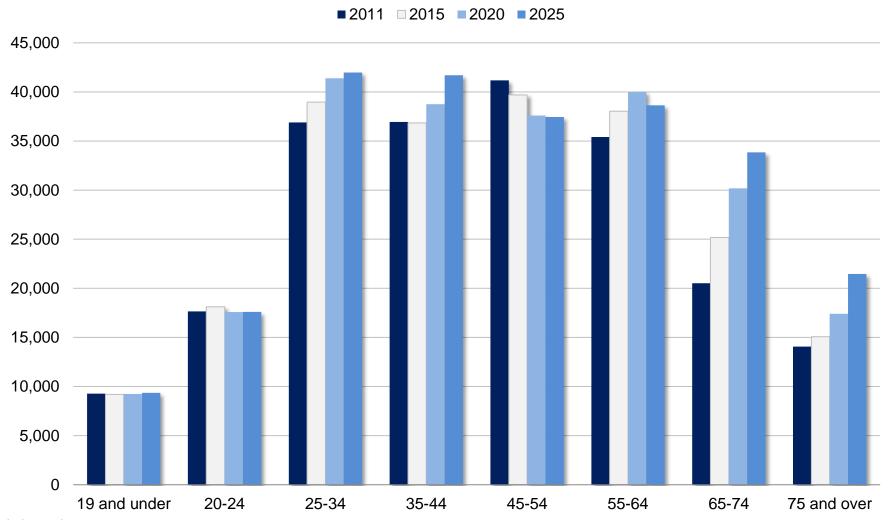


Source: U.S. Census Bureau



Growth Strongest in Drivers 65+

Number of Licensed Drivers by Age, Projected Through 2025

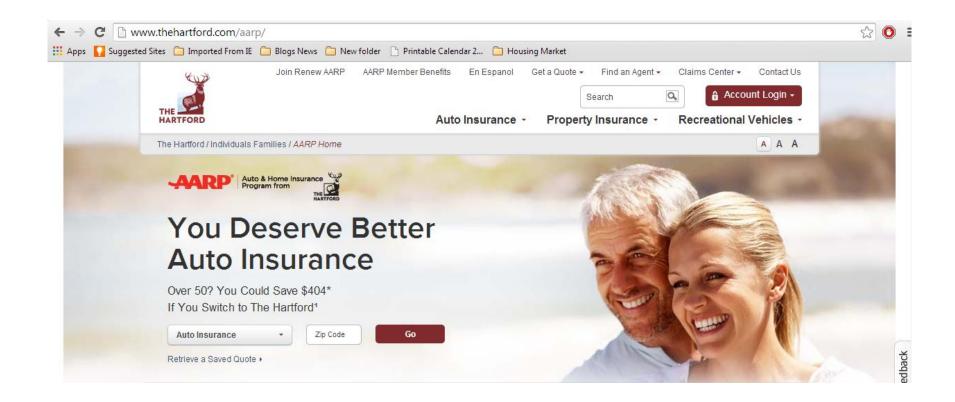


In thousands

Source: U.S. Census Bureau, Federal Highway Administration



Only a Few Companies Identify Seniors as a Target

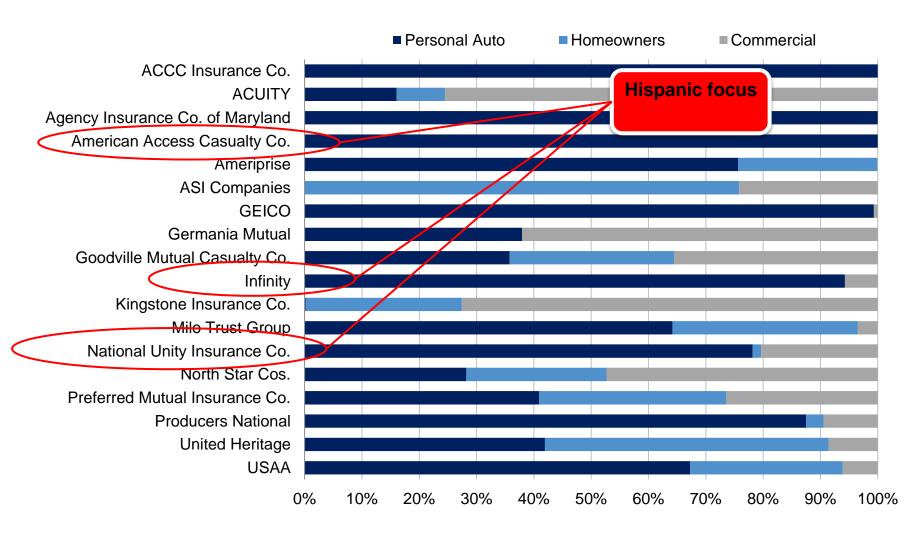


Source: The Hartford



3 of the Leaders Focus on the Hispanic Market

Line-of-Business Distribution



Data source: ©A.M. Best Company—used by permission, Conning analysis

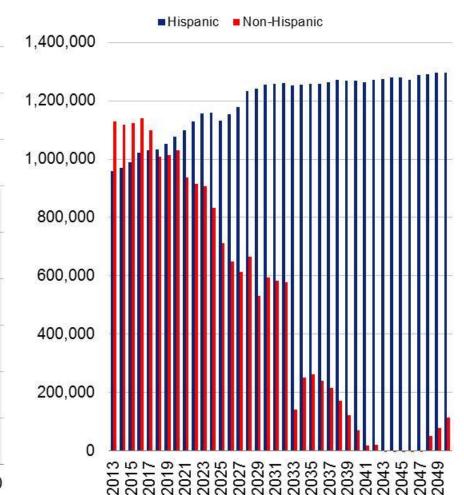


Hispanic Market Is of Growing Importance for Insurers

Annual Population Growth Rate, Total U.S. vs. Hispanic Population

■U.S. Population ■ Hispanic Population 4.5% 4.0% 3.5% 3.0% 2.5% 2.0% 1.5% 1.0% 0.5% 0.0% 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010

Annual Increase in Driving Age Population



Source: U.S. Census Bureau



Insurers Devoting More Resources to This Segment



Select Brokers/Agencies Are Also Finding Opportunity



Protector Holdings, LLC

Primero en Seguros





DISTRIBUTION—FOCUS ON MGAS



What Is an MGA?

Distribution channel for insurers interested in specialty markets consisting of risks not widely accepted by standard insurers

MGAs are focused on certain lines of business or classes of risk

MGAs offer insurers access to a broad network of retail and wholesale agents

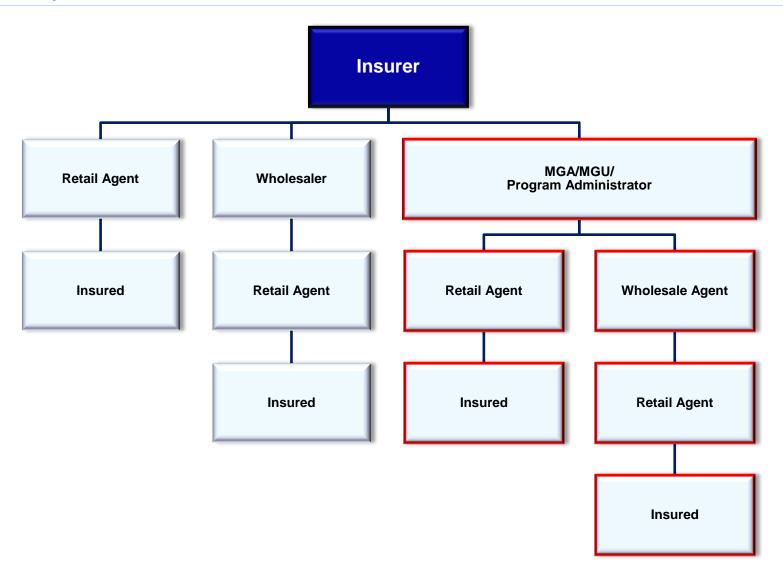
Services provided by MGAs:

- Underwriting
- Binding
- Issuing
- Claims management/loss control

- Marketing
- Premium collections
- Billing



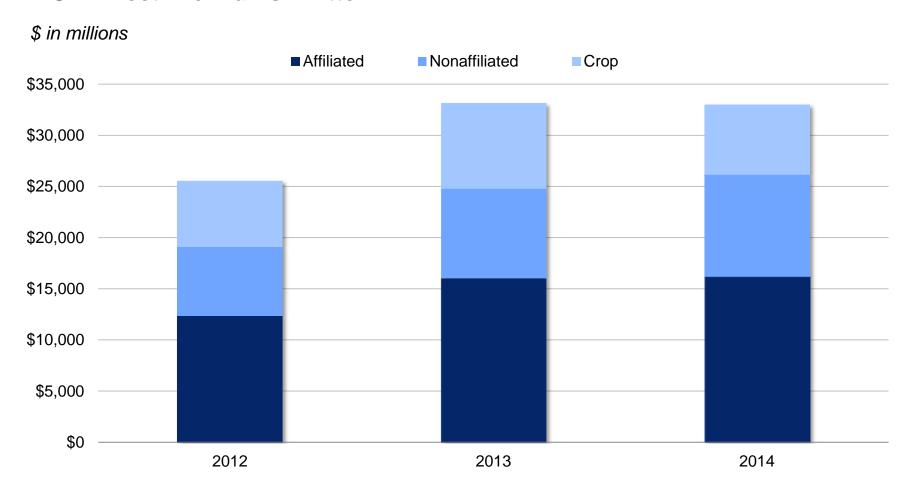
Specialty Distribution Model





MGAs Are a Meaningful Source of Premium for Insurers

MGA Direct Premiums Written



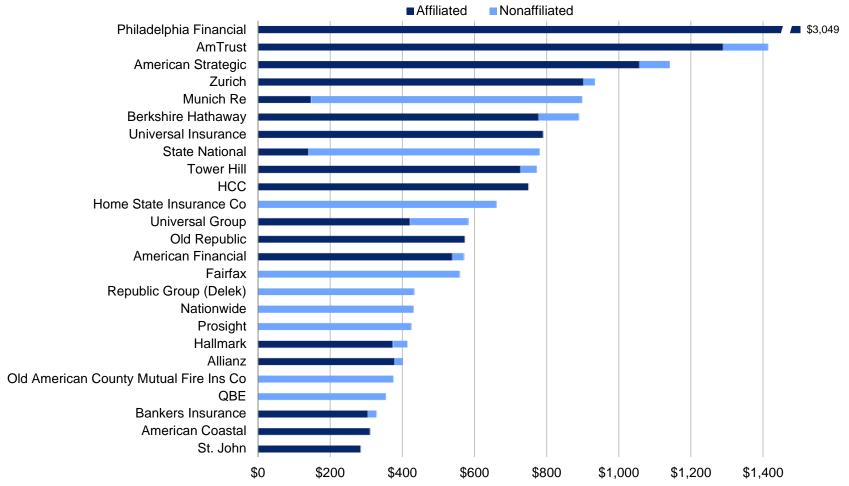
Data source: © A.M. Best Company—used by permission, Conning's proprietary MGA database



Insurers Producing Largest Amount of Premium Through MGAs

MGA Direct Premiums Written by Insurer, 2014

\$ in millions

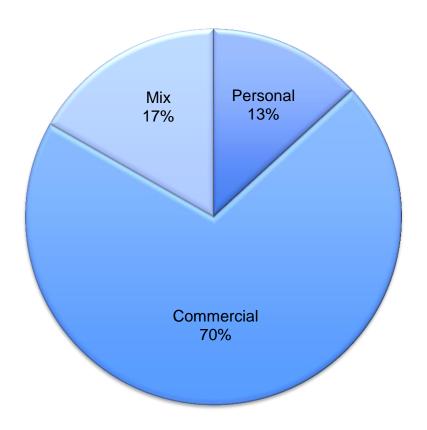


Data source: © A.M. Best Company—used by permission, Conning's proprietary MGA database



MGAs Predominantly Offer Commercial Coverages

MGA Direct Premiums Written by Type of Risk, 2014



^{*}Commercial includes crop premium

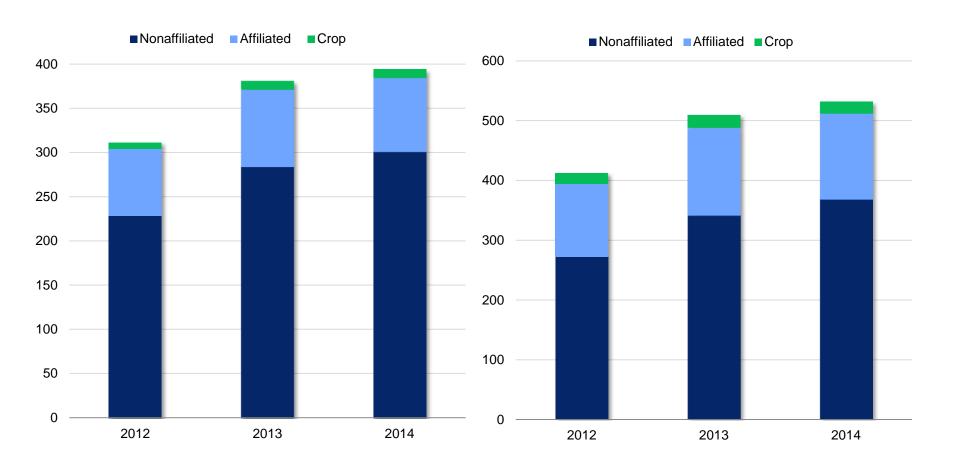
Data source: © A.M. Best Company—used by permission, Conning's proprietary MGA database



Number of MGAs and MGA Relationships with Insurers

Number of MGAs

Number of MGA Relationships

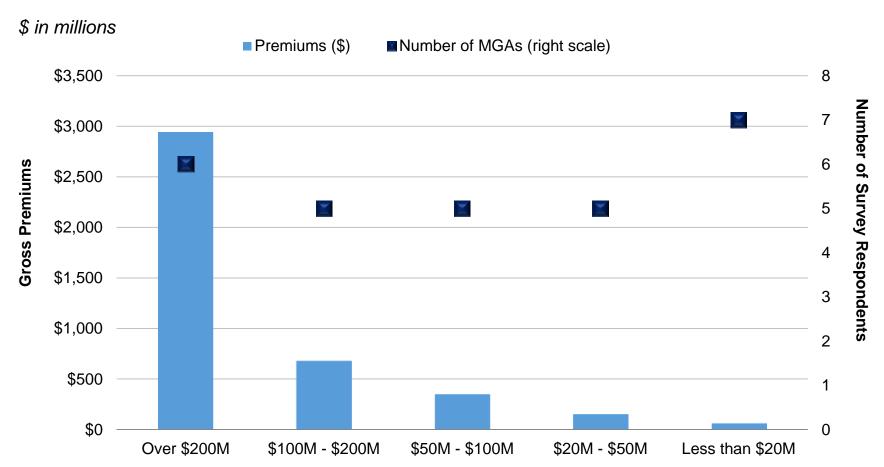


Data source: © A.M. Best Company—used by permission, Conning analysis



Summary of Conning Survey Respondents

Gross Premium by Survey Respondent Size and Number of Survey Respondents, 2014

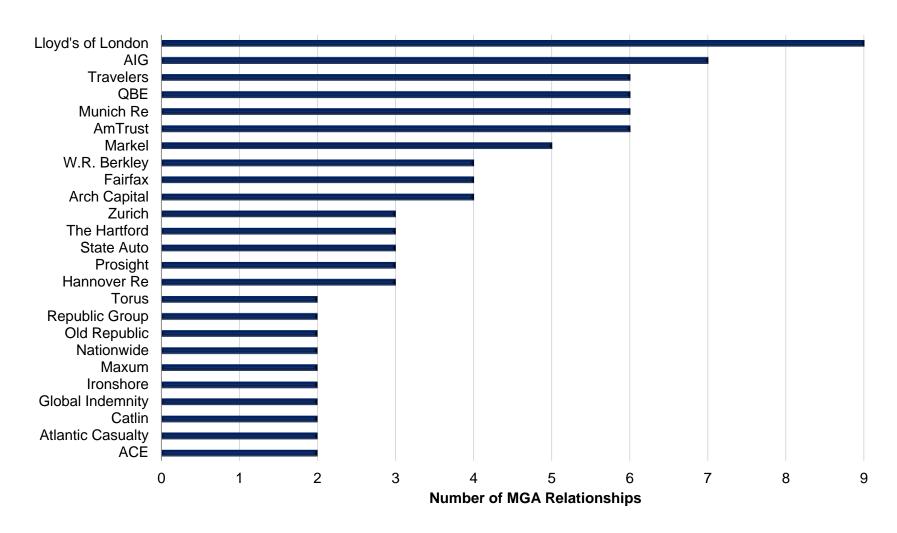


Data source: © A.M. Best Company—used by permission, Conning's 2015 proprietary MGA and Program Market survey



Frequency of Insurer Relationships

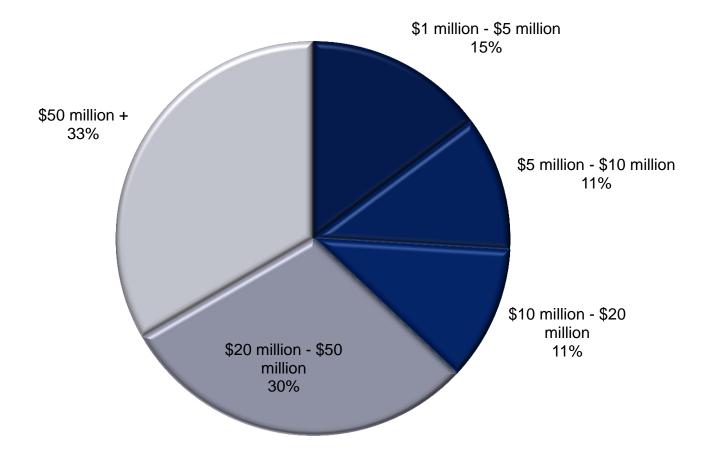
Who are the insurers that you place business with?





Size of Largest Program

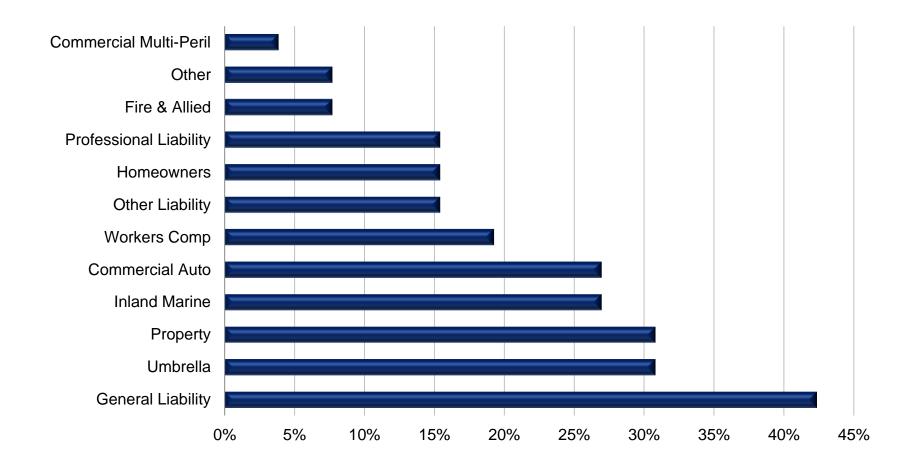
What is the size of the largest program?





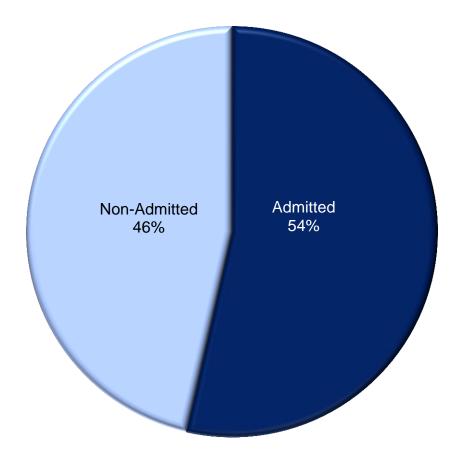
Largest Program—Types of Coverage Offered

What types of coverage are included in your largest program?





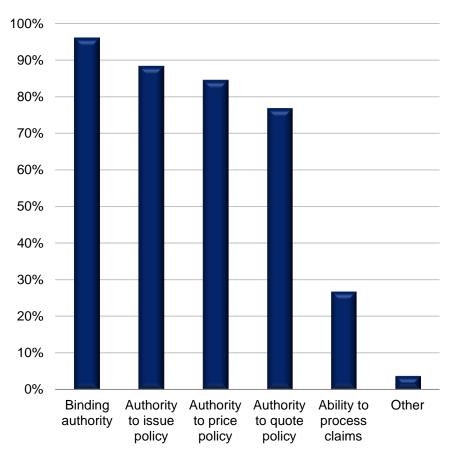
Are your programs primarily written for admitted or nonadmitted lines?



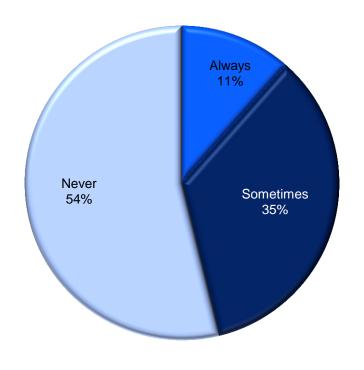


Authority Granted and Risk Sharing

What authority does your firm enjoy in your largest program?



Do insurers require retention of a portion of risk?





Premium Growth Opportunities

Near-Term Outlook

- Opportunity to achieve premium growth above commercial property-casualty industry.
- Expanding relationships with existing insurers and introduction of new product offerings.
- Expectation of small contribution from pricing.

Long-Term Outlook—Positive

- Driven by trend toward specialization and underwriting expertise often associated with types of risks in the MGA market.
- Standard market movement into MGA market is typically short-lived.
- Technology offers plenty of opportunity—potential differentiator.



REINSURANCE



Exodus of Peak Cat Risk and Attritional Risk

Peak risk direct to capital markets, bypassing the traditional insurance risk transfer market



Shrinking middle for traditional insurance model



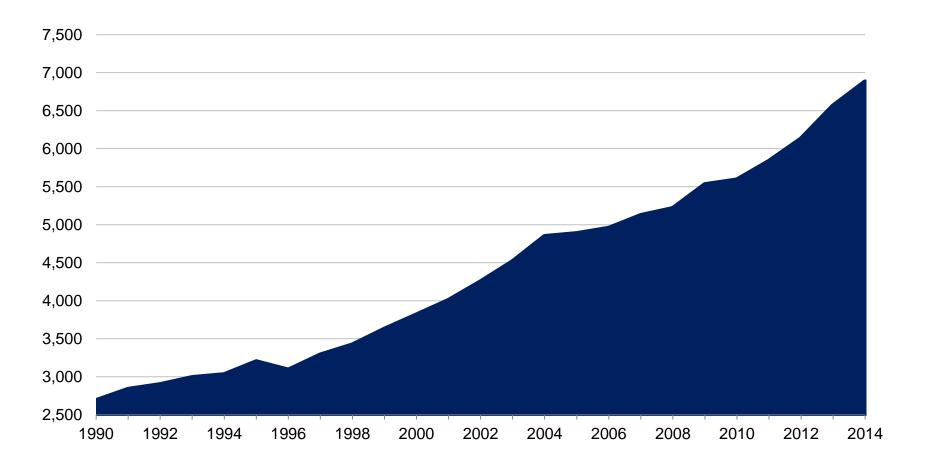
More customer retention of high-frequency, expected attritional losses

Source: Conning



Growth in Captives

Number of Captives

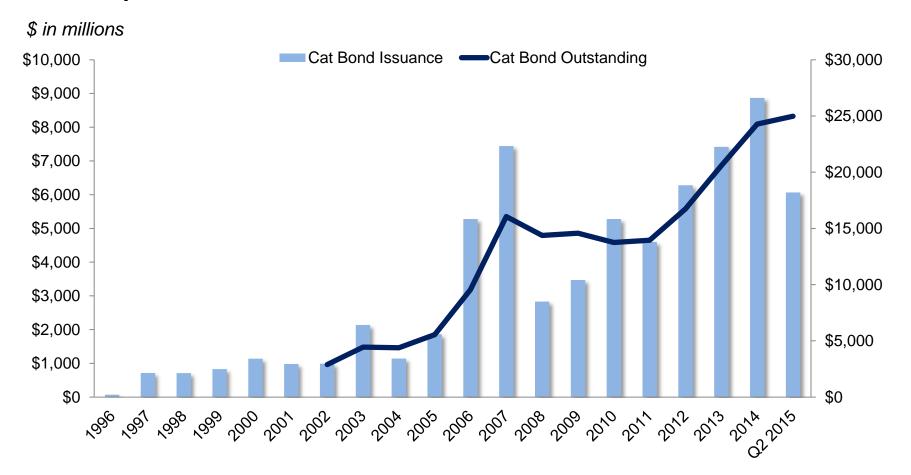


As of March 2015 (includes some restatements) Source: *Business Insurance*, Conning analysis



A Fast-Growing ILS Market

Catastrophe Bond Issuance



Source: Aon Benfield Securities, Artemis, Conning analysis



The Hedge Fund Reinsurance Model

Hedge Fund Reinsurers

\$ in millions

	Greenlight	PaCRe	Hamilton Re	Third Point	Watford Re	Fidelis	ABR Re
Date Formed	2004	2012	2012	2011	2014	2015	2015
Sponsor(s)	Greenlight Capital	Paulson & Co., Validus	Two Sigma	Third Point, Kelso & Co., Pine Brook	Arch Capital, Highbridge Capital	Crestview Partners, CVC Capital Partners, Pine Brook	ACE Ltd., BlackRock Inc.
Domicile	Grand Cayman	Bermuda	Bermuda	Bermuda	Bermuda	Bermuda	Bermuda
Current Capital(1)	\$1,194	\$616	\$500	\$1,452	\$1,485	\$1,500	\$800
Assets % with Sponsor	Substantial	Substantial	100%	100%	100%	0%	100%

(1) As of December 31, 2014, except Hamilton Re, Fidelis, and ABR Re, which are as of formation date. Source: Company websites, Conning analysis



FUTURE OF SPECIALTY MARKETS



Top Ten Risks Bear High Loss Severity Potential

Global Risks

Rank	Most Likely	Greatest Impact
1	Interstate conflict	Water crises
2	Extreme weather events	Spread of infectious disease
3	Failure of national governance	Weapons of mass destruction
4	State collapse or crisis	Interstate conflict
5	Unemployment or underemployment	Failure of climate-change adaptation
6	Natural catastrophes	Energy price shock
7	Failure of climate-change adaptation	Critical information infrastructure breakdown
8	Water crises	Fiscal crises
9	Data fraud or theft	Unemployment or underemployment
10	Cyber attacks	Biodiversity loss and ecosystem collapse

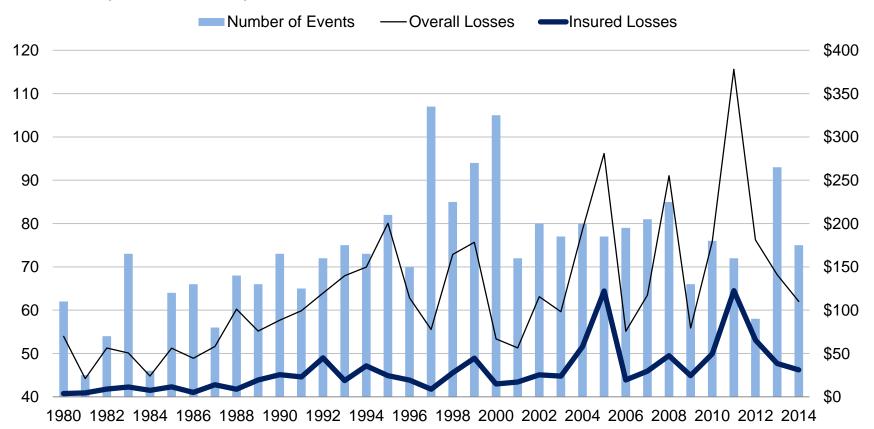
Source: World Economic Forum



More Catastrophes, Higher Losses

Trend in Worldwide Natural Catastrophes

\$ in billions (2014 constant \$)

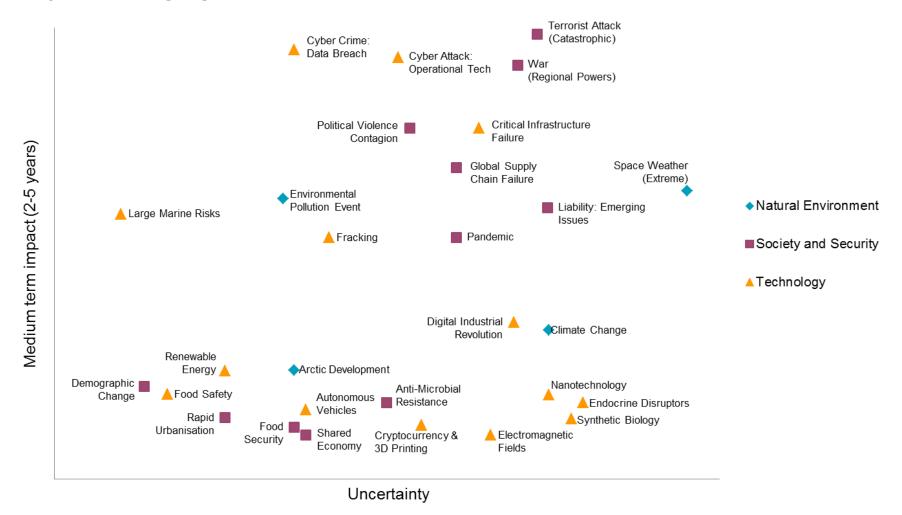


Source: Adapted from ©2015 Münchener Rückversicherungs-Gesellschaft, Geo Risks Research, NatCatSERVICE (as of January 2015)—used by permission



Lloyd's Emerging Risk Map

Lloyd's Emerging Risks



Source: Lloyd's 2014 Survey of Managing Agents

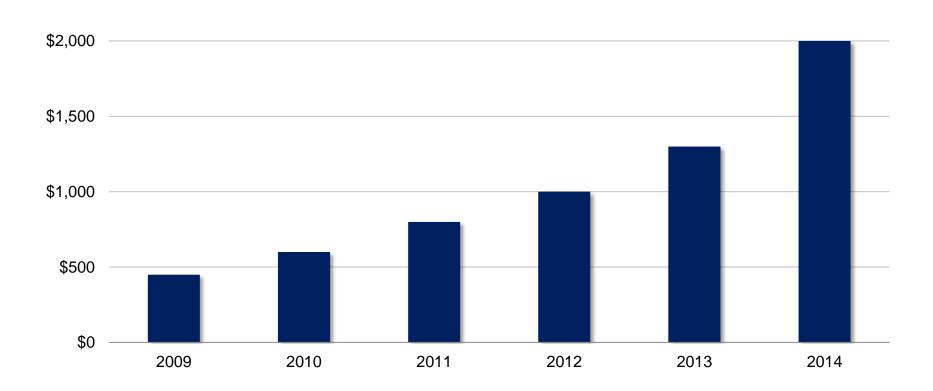


Growth of Cyber Insurance Market

U.S. Cyber Insurance Premium







Data source: Betterley Risk Consultants, Conning analysis



The Future of Specialty Markets

- Specialty insurers (or their teams) are in demand and make logical acquisition targets.
- The P&C industry's weak investment results will continue for some time, so there will be heightened pressure for underwriting profit.
- Insurance companies are also looking to use their excess capital to diversify away from competitive commodity business and into specialty business.
- As more companies look to write specialty risks, the market may become crowded. However, there's only
 so much underwriting talent to go around, so there will be companies that try to write specialty risks but
 ultimately fail.
- Insurer profitability may suffer at first, but will improve over time as weaker performers fail and exit the market.
- There will always be teams of underwriters that choose to branch off on their own, so smaller specialty insurers won't disappear.
- The demand for new products will continue, and smart underwriters will continue to meet that demand.



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CONNING® is a leading investment management company for the global insurance industry. Conning is focused on the future, supporting the insurance industry with innovative financial solutions, investment experience, and proprietary research. Conning's unique combination of asset management, risk and capital management software and advisory solutions, as well as insurance research, helps clients achieve their financial goals through customized business and investment strategies. Founded in 1912, Conning is headquartered in Hartford, Connecticut, and serves its global client base from additional offices in New York, London, Cologne, and Hong Kong.

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