



Market Overview



Financial Performance



Underwriting Trends



Loss Trends & Market Disruptors



Toward the Future





Insurance Market & Financial Performance

Market Pressures...

"While the industry balance sheet is strong enough to meet the commitments to insureds, it is facing emerging challenges from the significant and increasing impact of catastrophic weather events, cyber risk and significant price and social inflation/lawsuit abuse," Robert Gordon, senior vice president of policy, research, and international for APCIA, said in a statement."





Market Conditions

Impactful issues for insureds:

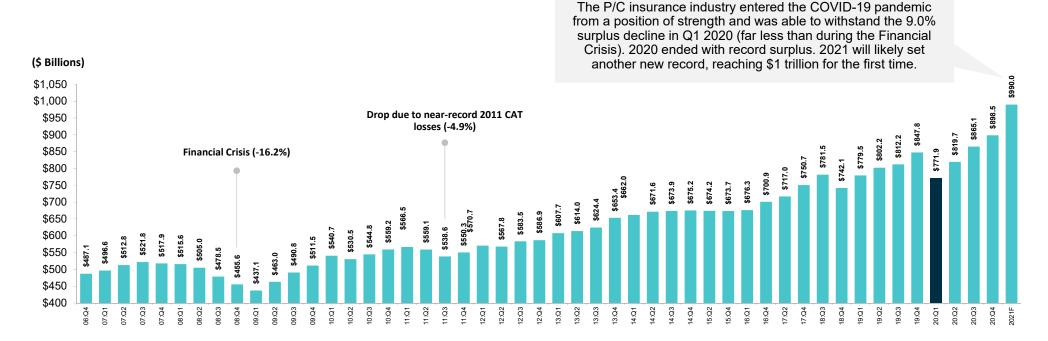


- Liability capacity pull back and withdrawals have been significant over the past two years
- Property capacity reductions:
 - 15% to 30% reduction in capacity from incumbents
 - Coastal and wildfire capacity continues to be especially difficult
- Cyber capacity is shrinking and particularly acute for certain industries (Public Entity)
- Insurers produced negligible profit in 2021 \$112b in Global Insured CAT losses in 2021 –
 4th Worst Loss Year on Record.
- Workers Compensation remains stable.
- Historically low interest rates have hampered carrier investment returns.
- An increased pattern of major property catastrophes such as hurricanes, typhoons, wildfires, etc. over the past 5 years. Is this the new normal?
- Consistent increases in attritional property losses (fires, water damage, tornados, hail, wildfires).
- Increased inflation has added to the issue of valuation across all property classes.
- Social inflation & Litigation Financing driving up liability verdicts and settlements.
- Ransomware cyber losses are systemic \$6 Trillion Impact in 2021 Expecting \$10
 Trillion by 2025 2019 was \$2 Trillion



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Policyholder Surplus (Capacity), 2006:Q4–2020:Q4E and 2021F*



2010: Q1 data includes \$22.5B of paid-in capital from a holding company parent for one insurer's investment in a non-insurance business

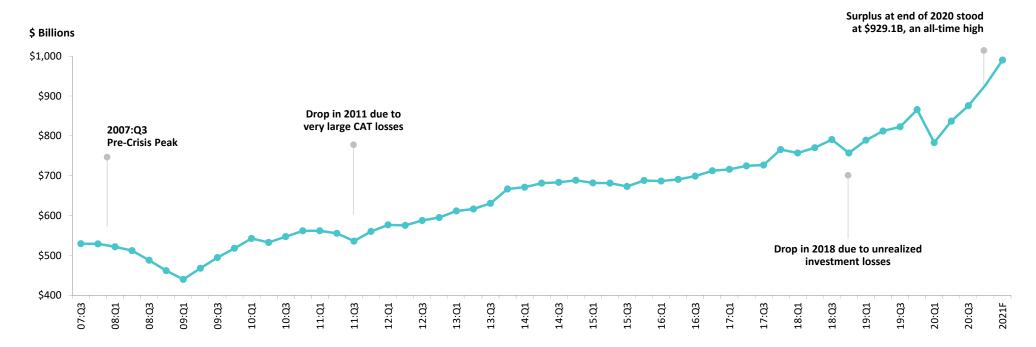
Policyholder Surplus is the industry's financial cushion against large insured events, periods of economic stress and financial market volatility.

It is also a source of capital to underwrite new risks.

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Policyholder Surplus

2007-2020 Quarterly

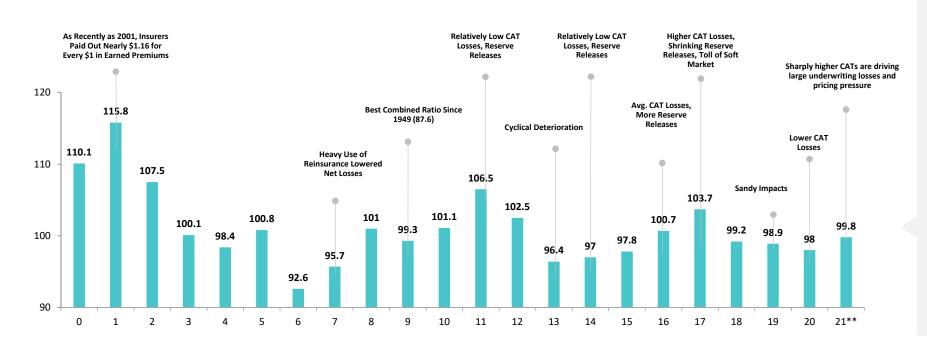


Policyholder Surplus: Positive

Sources: NAIC data sourced through S&P Global Intelligence; Insurance Information Institute.



P/C Insurance Industry Combined Ratio, 2001-2021F**



COVID-19 has had no discernable net impact on pre-COVID expectations for the combined ratio in 2020;
-7.5 pts. due to CATs vs. 4.1 in 2019 (about twice avg.)

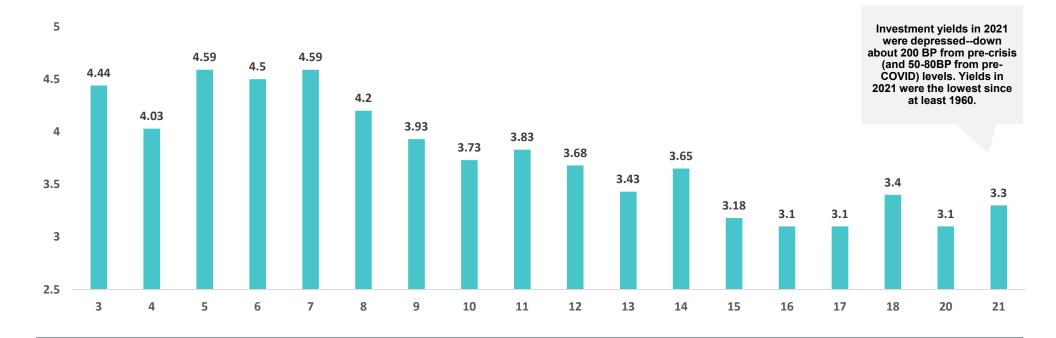
Pre-COVID 2020 Combined Ratio Est. 99.1 (A.M. Best)Actual = 98

*Excludes Mortgage & Financial Guaranty insurers 2008–2014.

**2021 forecast from A.M. Best Review and Preview (Feb. 2021). Sources: A.M. Best, ISO (2014-2019).



Net Investment Yield on Property/Casualty Insurance Invested Assets, 2007–2021



Low: 2.8% (1961)

High: 8.2% (1984/85)

Average: 1960-2019 = 4.9%

Property/Casualty Insurance Industry Investment Income: 2000–2021

Investment yields in 2021 were depressed--down about 200 BP from pre-crisis (and 50-80BP from pre-COVID) levels. Yields in 2021 were the lowest since at least 1960.

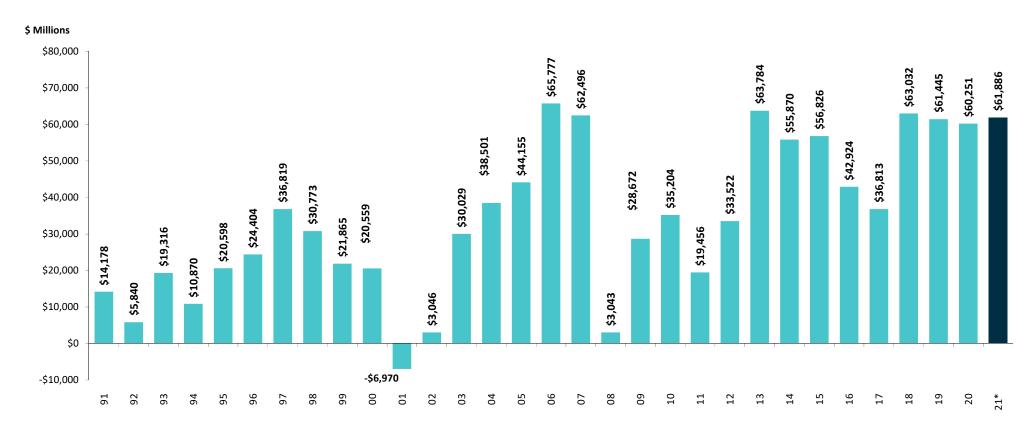


Due to persistently low interest rates, investment income remained below pre-crisis levels for a decade. Lower interest rates during COVID drove investment income down once again. Fed rate hikes in 2022 could reverse this trend.

*2021 figure is actual as of 12/31/21. 2018-19 figures are distorted by provisions of the TCJA of 2017. Increase reflects such items as dividends from foreign subsidiaries. 1 Investment gains consist primarily of interest and stock dividends. Sources: ISO; University of South Carolina, Center for Risk and Uncertainty Management.



P/C Industry Net Income After Taxes, 1991–2021*









Underwriting Trends

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Product Line	Pricing	Capacity	Retentions	Coverage
PROPERTY				
Challenged Exposures	^	↔	1	4
Non-Challenged Exposures	↔	↔	↔	4
Builder's Risk	^	↔	↑	4
CASUALTY				
General Liability	↑	↔	↑	•
Excess Liability	^	4	↔	⇔
Automobile Liability	^	4	↑	⇔
Workers' Compensation	↔	↔	↔	⇔
Umbrella Liability	^	4	↔	⇔
MANAGEMENT & PROFESSIONAL				
Cyber	^	4	^	4
Employment Practice Liability	^	4	^	⇔
Fiduciary	^	4	^	4
Fidelity/Crime	^	⇔	^	⇔

Arrow Key

What direction are pricing, capacity, limits, deductibles and coverages moving?

Increasing
Stabilizing / No change
Decreasing

Color Key

As a buyer, is that movement positive, neutral, or something that could present a challenge during my renewal?

Positive change
Neutral / No change
Potential Challenge



Property

Rate Trends	"Low End"	"High End"
Challenged Exposures	10%	>10%+
Non-Challenged Exposures	Flat	10%
Standalone Earthquake	Flat	10%
Builder's Risk	Flat	10%

















Capacity

There remains an abundance of general property capacity, including new capacity, however, much of this is not available to all industries and/or exposures. Insurers are often willing to increase line size and deploy additional capacity on insureds in desirable industries with good risk profiles. They are carefully managing their capacity on accounts in with notable losses and on risks that have significant secondary CAT peril exposure (wildfire, hail, tornado, etc.). Capacity for large Builders Risk projects has been cut in certain territories. We are carefully watching trends and feedback on reinsurance treaties and their impact on CAT capacity for 2023.

Coverage

Valuations are part of almost every property renewal discussion given concerns about supply chain and inflation. Where insureds are unwilling or unable to substantiate replacement cost valuations, insurers are taking corrective actions in the form of: prescriptive policy language (scheduled limits provisions), internal valuation adjustments which can drive rate, or reductions in capacity. Insurers continue to scrutinize manuscript policy language, especially as relates to time element coverage extensions with no known or ambiguous physical damage triggers

Retentions

Pushes by insurers for retention increases has stabilized this quarter following multiple quarters of insurers imposing industry and peril specific minimum retentions (i.e \$100,000 or \$250,000 AOP's for frame residential, 2% for tornado/hail exposed areas, etc.) Exceptions to this stabilization are on accounts with poor loss activity where insurers feel that more corrective action is necessary to create a path to account profitability

Pricing

Rate increases are still the norm; albeit not at the levels seen in earlier quarters. Insureds with good risk profiles and in desirable industry classes can often obtain flat to low single digit rate increases, and even the occasional rate decrease, given there is often an abundance of well-priced capacity willing to offer terms. Insureds with significant loss activity or that have a significant amount of secondary CAT peril exposure, however, are often still experiencing high single digit to double digit rate increases, although very rarely at the levels seen in earlier quarters. Expect continued pressure on pricing as it relates to cat exposures



Casualty

Rate Trends	"Low End"	"High End"
General Liability	5%	15%
Automobile Liability	5%	25%
Workers' Compensation	Flat	5%
Umbrella Liability	10%	<20%
Excess Liability	10%	<25%







- Capacity still constrained for difficult risks; capacity is readily available for less complex risks.
- Many insurers have indicated a focus on growth in 2022 with potential to open capacity for difficult risks, albeit with significant rate impacts which reflect the risk
- New insurer capacity continues to emerge, but not with lower rates AND very limited appetites
- Auto liability capacity will continue to be limited, possibly seeing more insurers exit the marketplace
- Reinsurance market remains capitalized





Coverage

- Increased focus on clarifying or excluding chemicals, energy, communicable disease (COVID-19), abuse & molestation and wildfires.
- ESG concerns appear to be on the rise and could impact insurer underwriting decisions
- While still early the impact of COVID-19 and the war in Ukraine will likely have insurers review coverage definitions continuing a trend to narrowing/limiting coverage





Retentions

- 2022 will see less retention adjustment and umbrella/excess attachment points will continue to shift as insurers seek out most profitable layers for deployment of capacity
- Retentions are consistent stable





Pricing

- Primary marketplace is competitive slow increases driven mainly by loss severity
- Umbrella and excess and market remains challenging rate and growth in client are major price factors
- Auto liability remains unprofitable, continued rate pressure in 2022
- Workers' Compensation continues to be profitable consistent and stable



Management Professional

Rate Trends	"Low End"	"High End"
Cyber	5%	200%
Employment Practices Liability	5%	20%
Fiduciary	10%	20%
Fidelity/Crime	5%	15%

Cyber







Insurers have been extremely conservative with capacity, with most only offering \$5M limits. Total capacity available in the marketplace is likely below \$400 million and could continue to shrink. Energy sector being watched more closely, and avoided by some markets, given the conflict in the Ukraine.





Coverage

Coverage generally intact for most classes of business with mature information security programs and strong controls. However, leading Primary insurers are pushing for 50% coinsurance provisions and sublimits or other coverage restrictions for ransomware losses where companies are less secure. Dependent Business Interruption and Dependent System Failure coverage is slowly being lowered or removed entirely





Retentions

Continued pressure on primary retentions and waiting periods for business interruption losses





Pricing

Short-tail nature of Cyber risk results in rapid pricing feedback, with abrupt pricing correction due to uptick in severity of claims. Insurers have consistently secured primary increases of 80% - 250% on Q1 and Q2 2022 renewals, depending on controls and what increases they had in 2021. Still very dependent on strength of controls, with minimum standards being tightened. Excess insurers are following Primary increases and pushing for higher percentage increases on certain attachment points, with ILF's still well over 80%.



Management Professional

Employment Practices Liability

















Capacity

Capacity remains stable in the United States and Bermuda following past cutbacks

Coverage

Coverage remains intact with an eye on flood of pandemic-related claim activity.

Retentions

- Continued pressure on retentions, especially in California
- Continuing to see separate retentions for California claims and for "highly compensated" employees

Pricing

- · Premium increases from 5% to 20%.
- Excess EPL markets are following primary increases

Fiduciary Liability





Capacity

Insurers are pulling back on deployed capacity. Expect layer sizes to shrink as they have in D&O Expect trimming of layers larger than \$10 million





Coverage

Coverage is broad; carriers continue to monitor excessive fee case development





Retentions

 Retentions of six to seven figures for class, mass and/or fee claims are continuing to be applied.





Pricing

• Given continued adverse claims trends, expect 10%-20% increases in renewal premiums



Management Professional

Fidelity & Crime

















Capacity

- Insurers are closely monitoring aggregate exposure to social engineering fraud
- London continues to correct pricing and deductibles

Coverage

Insurers continue to underwrite social engineering and will only consider offering broader coverage and/or higher sub-limits (for additional premium) where the controls and procedures presented are best in class.

Retentions

- In certain instances, insurers are looking to increase deductibles
- London still looking to correct deductibles they think are below what should be market standard

Pricing

• Expect Primary premium increases from 5% to 15%, with insurers looking to "right size" premiums, both on a primary and excess basis.



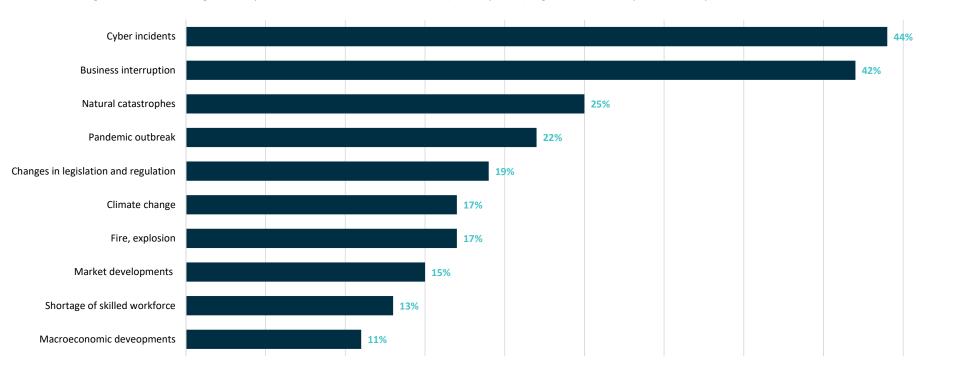


What are Risk Manager's Concerns?

The most important global business risks for 2022

Alliance Risk Barometer 2022

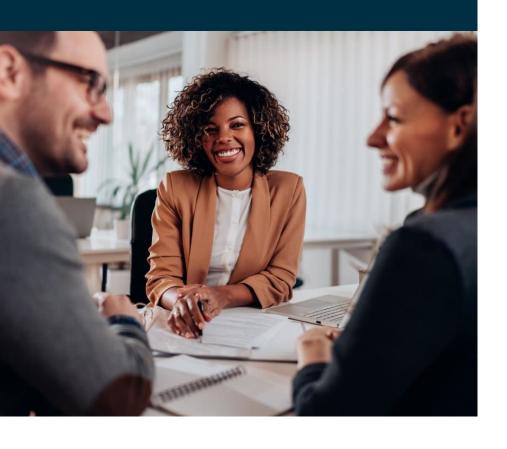
Based on the insight of 2,650 risk management experts from 89 countries and territories (% of responses). Figures do not add up to 100% as up to three risks could be selected



Source: Allianz Global Corporate & Specialty



Exposure Concerns: From our Clients



Common Client Concerns:



Employment

Retirements, wage growth, coasting, recruitment and succession



Cyber Liability

Constant threat, significant investment needs, coverage costs



Property Insurance

Valuation, cost of construction, availability of high limit program, wildfire threatened locations



Economy

Inflation, the "R" word, allocation of funds



Liability

Jury verdicts, litigation management, retentions and availability of coverage in challenging markets for loss leaders



Digital/Technological Transformation

Public Safety Drones, increased cyber exposure, new uncharted

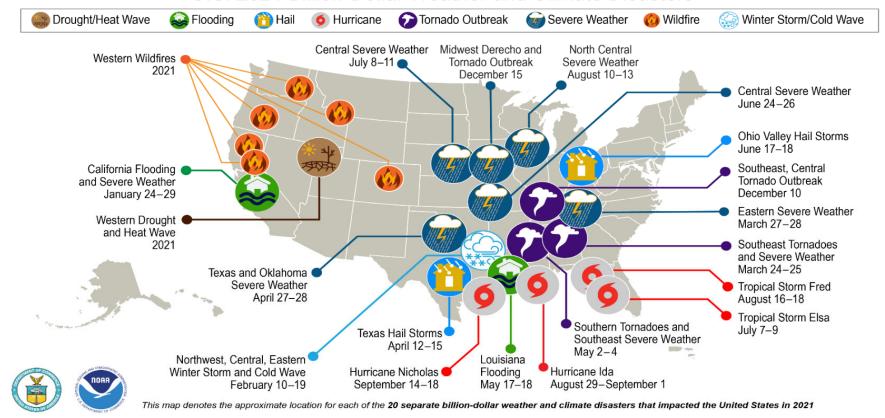


Recent CAT Losses



Major U.S Losses in 2021

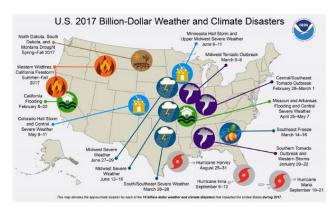
U.S. 2021 Billion-Dollar Weather and Climate Disasters

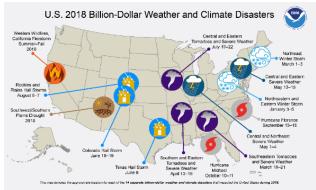


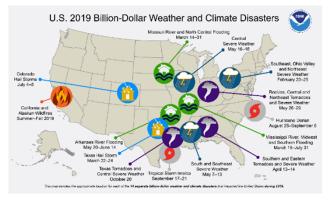
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Four Year CAT History: \$66B Events





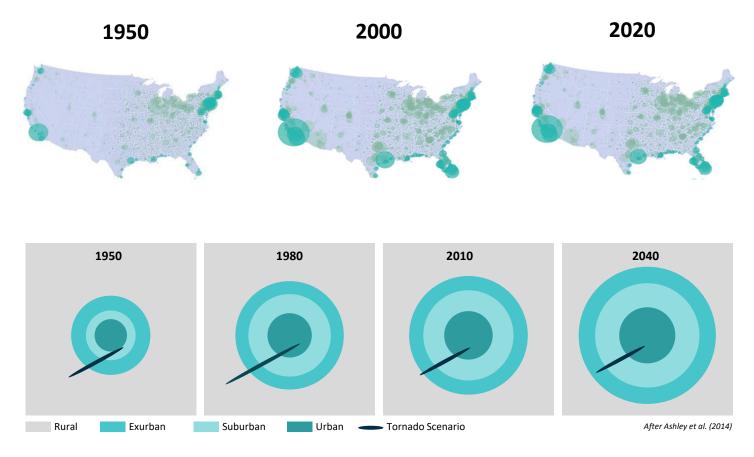




Source: NOAA



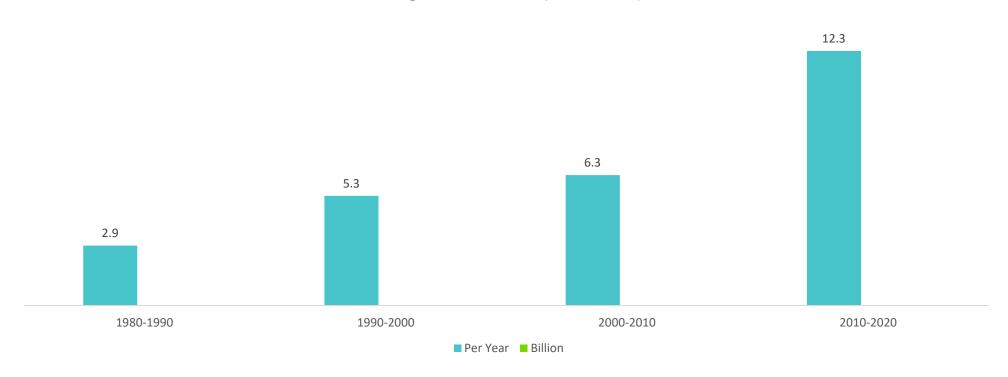
Population Growth and Bullseye Effect





Average # of Events

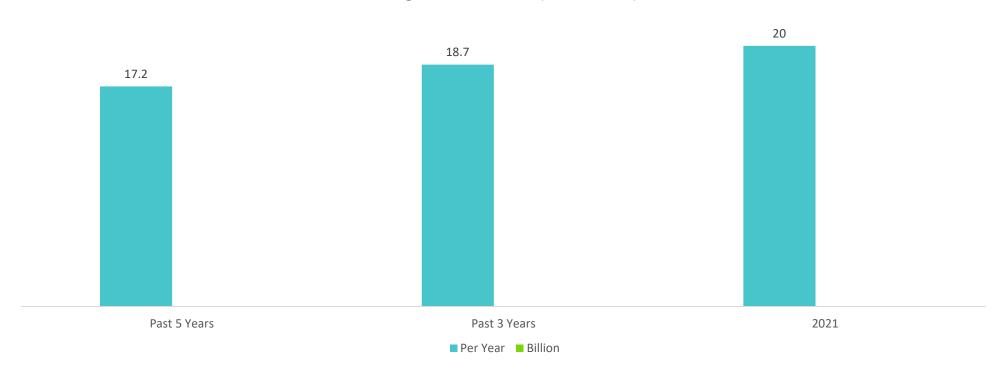
Average # of \$1B+ Events (NOAA source)





Average # of Events

Average # of \$1B+ Events (NOAA source)





The Newest CAT Peril: Wildfire



Climatic changes are resulting in larger and hotter wildfires occurring each summer and later into fall.



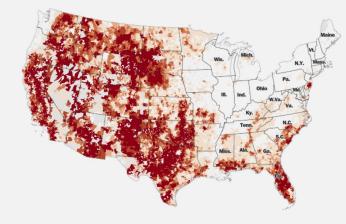
Beyond the physical damage and destruction of wildfires, intense smoke significantly impacts the health and economy of communities:

- Reduced travel and tourism leading to loss of sales and occupancy taxes.
- Reduced school attendance and outdoor activities.
- Smoke can hurt your eyes, irritate your respiratory system, and worsen chronic heart and lung diseases.



Continued investment & development of high-risk areas.







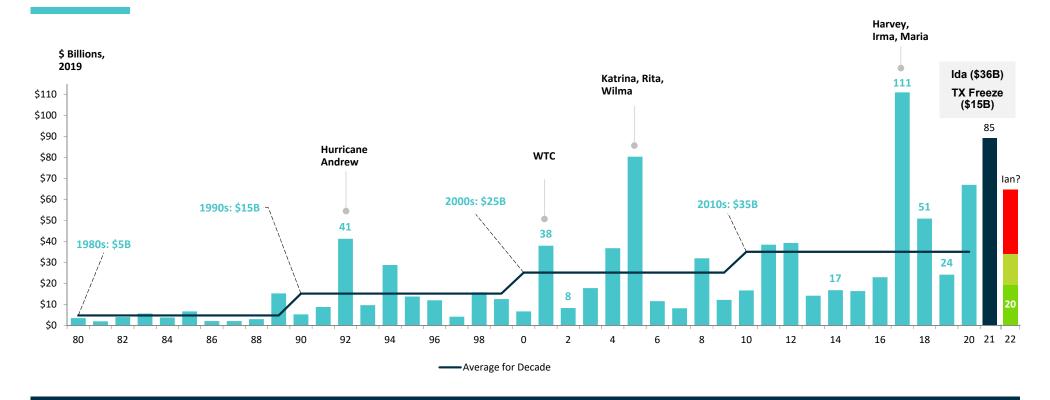








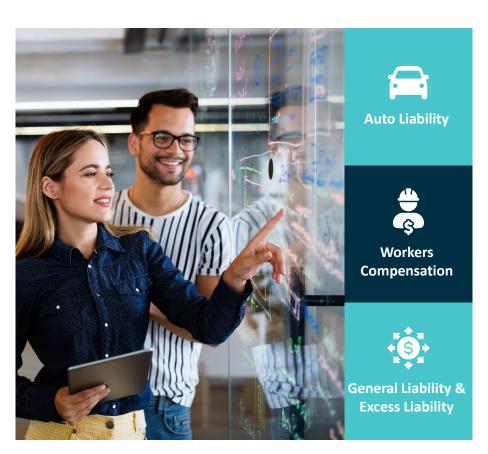
U.S. Inflation-Adjusted Insured CAT Losses



Insured Cat Losses Are Increasing At An Alarming Rate – Nearly 700% Since 80's Average Insured Loss per Year* | 1980-2021: \$23.8 Billion | 2012-2021: \$44.1 Billion

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Casualty Market Major Disruptors



- Cost of Vehicles/Technology
- Fatality Trends
- Distractive Driving Cell Phones
- Frequency and Severity Trajectory
- Opioids
- Tele Medicine
- Aging Workforce
- Medical Cost Inflation

- Cancer & PTSD Presumption
- Workplace Violence
- COVID
- Out of State Exposure

- Increase in Catastrophic Losses
- Punitive Damage Awards
- Organized Plaintiff Bar
- Personal Injury Trends

- Traumatic Brain Injury
- Aging Infrastructure
- Sexual Misconduct
- Excessive Force



Increasing Impact on Liability Market



Reduced Capacity reinsurer withdrawals have been significant over the past two years



Litigation Financing continues to drive large claims and 68% of firms are using it in 2021



Plaintiff Attorney Strategies specialization and strategies have evolved to get larger verdicts and settlements.



Hyper Social Inflation
"A Texas jury awarded \$300
billion to the family of a teen
and her grandmother, who
were killed in a 2017 crash
with a drunk driver." This
type of verdict is meant to
send a message to others.



Labor Shortage everyone is doin more with less



Amendments
A rise in Sexual Abuse and
Molestation claims and
settlements

Reviver Legislation



Law Enforcement
Increased focus on policing
policy and procedures
as well as pressure on
Qualified Immunity



Auto LiabilityFrequency & Severity of losses has returned to pre COVID figures



Underwriter Scrutiny reinsurers are seeking to grow prudently and are maintaining a disciplined, conservative underwriter approach.



InflationRising cost are increasing the size of claims

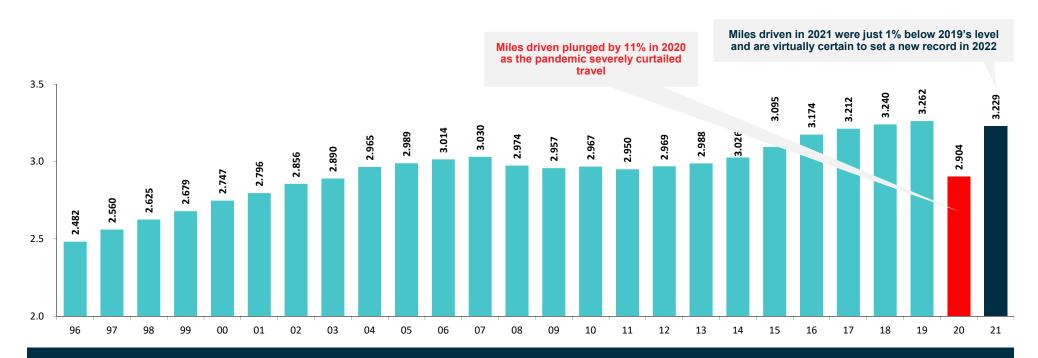


Exclusions

continued restrictions surrounding sexual abuse, Wildfire Exclusions, COVID, cyber, opioids and man made chemicals (PFAS – new focus)



Travel in Trillions of Vehicle Miles in U.S.: 1996-2021



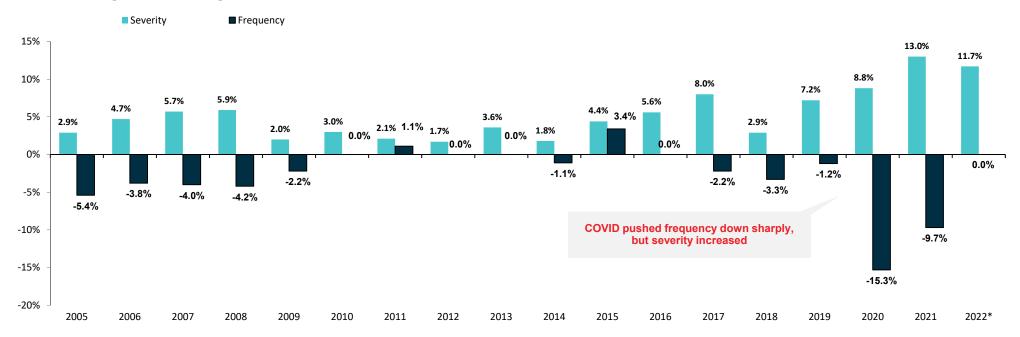
Miles driven in 2022 will likely set a new record, but could still be held back by soaring gas prices that could induce vehicle owners to scale back on their driving

Sources: Sources: Federal Highway Administration; USC RUM Center.



Auto Liability Bodily Injury Severity Trend Is Up, Frequency Plunge in 2020/21 Due to COVID Has Ended and Is Reversing

Annual Change, 2005 through 2022*



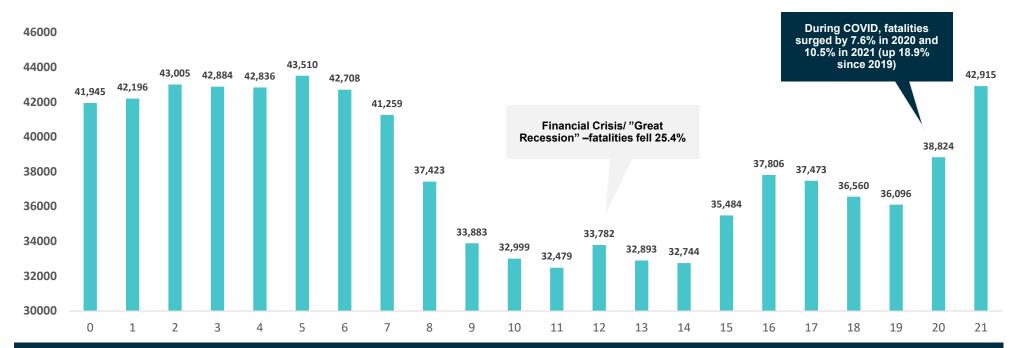
Frequency decline has ended. Q1 2022 BI frequency was +9.5% and Q4 2021 was +3.5%





Traffic Fatalities in the U.S., 2000-2021

(Millions of Units)



Extraordinary Increase in Poor Driving Behaviors in 2020 and 2021 Contributed to Sharply Higher Auto Fatalities

Mliant

Public Transit

Motor vehicle maintenance and repair costs continue to increase in 2021 with supply chain disruptions, chip shortages and labor crunch.





12%

estimated year-over-year increase in fatality rate per mile for 2021²



160,000

estimated number of commercial driver positions that will go unfilled by 2030⁴

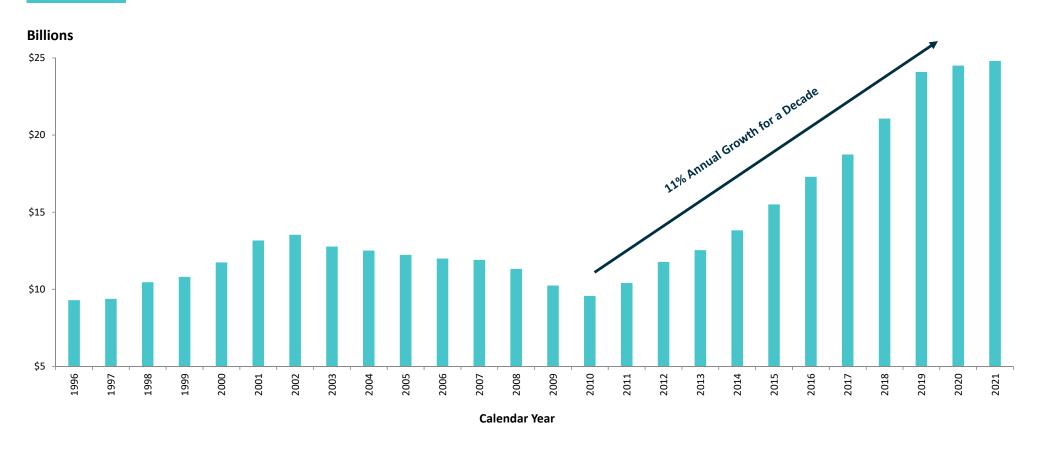






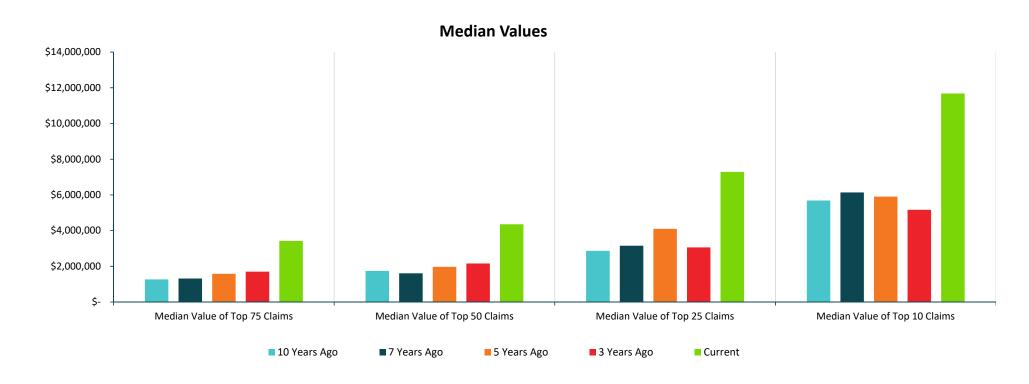


Upward Trend in Liability Claims





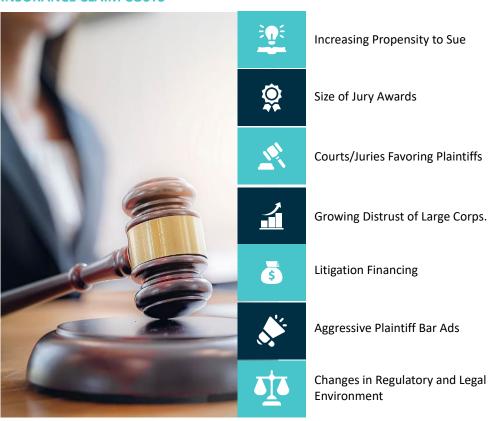
Median Value Large Liability Losses





Social Inflation: Many Interrelated Causes, Difficult to Manage

INSURANCE CLAIM COSTS



TOP VERDICT CATEGORIES

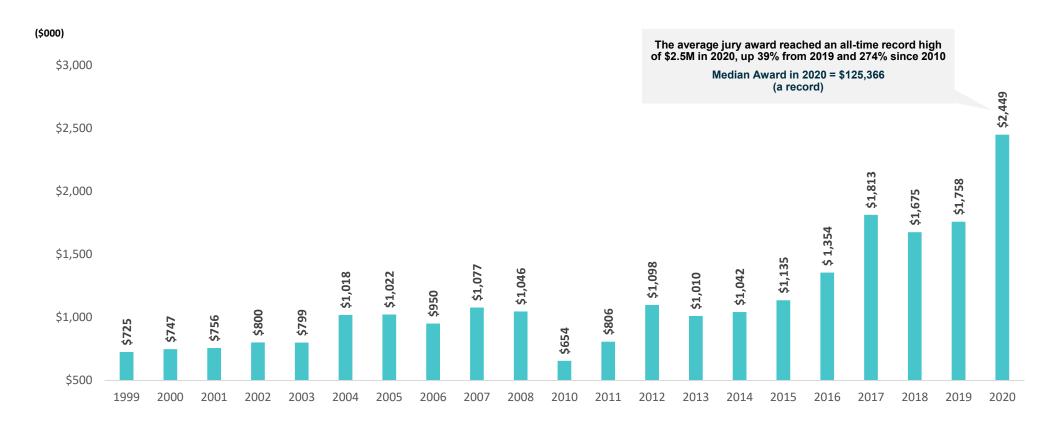
Dollar Value of Top 100 verdicts by cause of action, in millions.

2020			2021		
1	Intellectual Property	\$14,858	1	Worker/Workplace Negligence	\$301,929
2	Products Liability	\$3,117	2	Intellectual Property	\$3,675
3	Worker/Workplace Negligence	\$706	3	Motor Vehicle	\$2,046
4	Construction	\$285	4	Transportation	\$730
5	Motor Vehicle	\$261	5	Products Liability	\$651
6	Medical Malpractice	\$199	6	Employment	\$489
7	Intentional Torts	\$138	7	Business Law	\$410
8	Legal Profession	\$108	8	Intentional Torts	\$364
9	Fraud	\$94	9	Insurance	\$251
10	Dangerous Condition of Public Property	\$76	10	Government	\$167

Source: Risk and Uncertainty Management Center, Univ. of South Carolina, adapted from Verisk "Social Inflation" presentation (2020); VerdictSearch. Figures are rounded to the nearest \$1 million.



Average Jury Awards, 1999 – 2020 (latest available)



Source: Jury Verdict Research; Current Award Trends in Personal Injury (61st Edition), Thomson Reuters; Risk and Uncertainty Management Center, Univ. of South Carolina.



Liability Claim Values: Unfavorable Jurisdictions

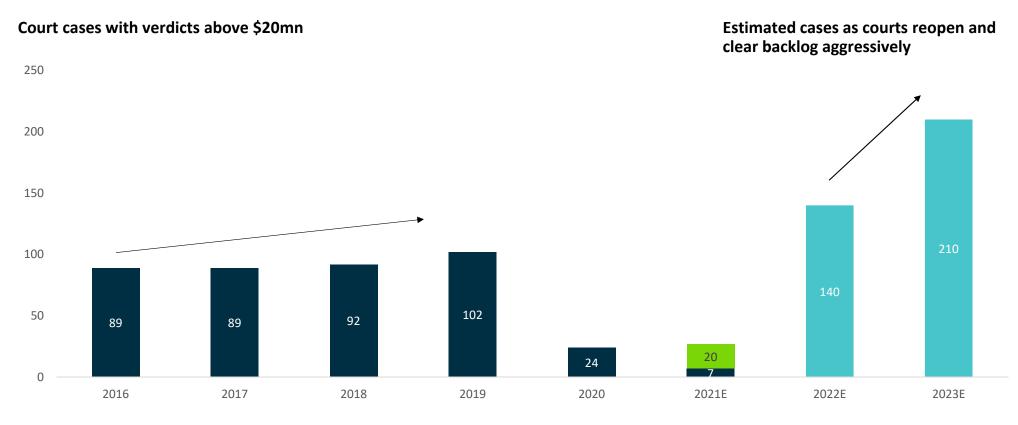
In its recently released annual report, the ATRA identified 8 jurisdictions on its 2021 hellholes list – which, in order, include:

- 1. California (with the plaintiffs' bar taking advantage of unique California laws like the Private Attorney General Act);
- 2. New York City (particularly regarding Americans With Disabilities Act accessibility claims and an activist attorney general battling climate change with energy companies),
- 3. Georgia;
- 4. Philadelphia, which fell from the number 1 spot last year (especially in the Philadelphia Court of Common Pleas and the Supreme Court of Pennsylvania),
- 5. Illinois (especially Cook, St. Clair, and Madison counties and regarding asbestos litigation and Illinois Biometric Information Privacy Act class actions),
- 6. Louisiana (including deceptive lawsuit advertising practices and coastal litigation),
- 7. St. Louis, Missouri, and
- 8. South Carolina (particularly in asbestos litigation).



American Tort Reform Association ("A

The Court Backlog



Source: Verdict Search, Inside P&C



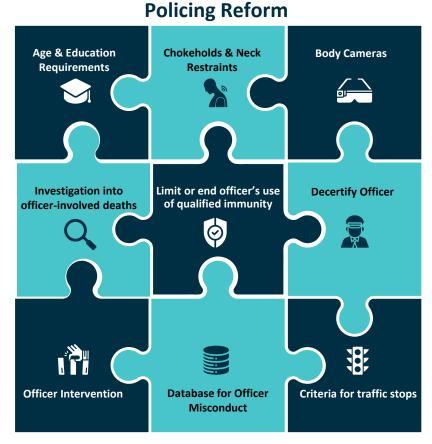
Evolving Law Enforcement Environment

Officer Involved Shootings



According to MappingPoliceViolence.org

1,126 in 2020 and 1,134 people in 2021.





Evolving Law Enforcement Environment (Option 2)

Officer Involved Shootings



According to MappingPoliceViolence.org

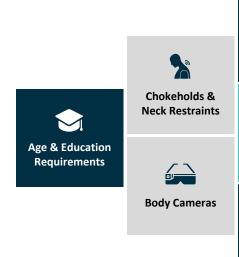


1,126 in 2020 and



1,134 people in 2021

Policing Reform





Officer







Spotlight: Cyber Liability

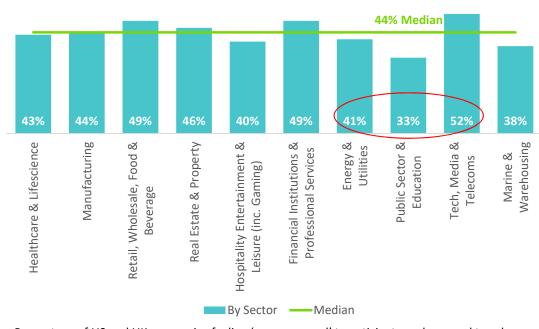


Marketplace stabilizing after several years of dramatic claims development.

Security standards across the marketplace:

- Multi-factor authentication
- · Well managed end point detection
- Well managed RDP connections VPN, MFA, etc.
- Back Ups
- Planning and Training (and Frequency)
- Reasonable patching schedule/plan
- Plan or adequate measures in place to protect end of life software
- IT Security Budgets
- Email Security
- Identity Access Management
- Service Account Management

Sector view on resilience to cyber risk



Percentage of US and UK companies feeling 'very prepared' to anticipate and respond to cyber risk in 2021. Median line indicates the mid-point of the data set across all industries surveyed.

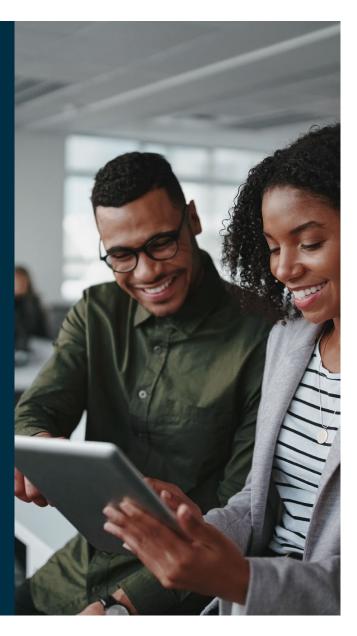




Toward the Future



Liability Renewal Outlook



Excess liability continues to be a challenge



Specific Problem areas:

- Aggregate limits Many carriers are looking to cap their exposure on pool programs
- Attachment point/Retentions are being closely examined
- Underwriter scrutiny on Law Enforcement and Sexual Abuse/Misconduct coverages
- Emerging Exclusion PFAS



Pricing expectations based on Q2 results for 2022 = Flat to +10% – based on losses and iurisdiction



Engage incumbent carriers early to gain commitment on renewal



Property Renewal Outlook





Continued scrutiny of data (SOV, COPE, ITV with Increased Construction Cost)



Increased retentions and caps on certain types of exposure

• Windstorm & Hail



Rate increases expected and highly dependent on Wind Season, Reinsurance Market and individual client losses



Underwriter submission activity remains high – imperative to engage early and access global market



Regional Underwriting: Property markets are affected differently across the nation.

e.g. West Wildfire, East Hurricanes, Midwest Hail, etc.



North American CAT Property Reinsurance Outlook

Stonybrook Capital Says Hurricane Ian Is Largest-Ever Insured Loss Event at Over \$75B

By Chad Hemenway | October 12, 2022

Swiss Re's Pande urges cat attachment increases to counter rising valuations

The executive described the reinsurance renewals heading into 2023 as "a three-legged stool".

Rate increases, some structural changes – notably to attachment points – and terms and conditions each represent one leg, Pande explained.

CIAB full-time wrap on US cat: the fight for capacity

At the Council of Insurance Agents & Brokers' (CIAB) Insurance Leadership Forum in Colorado Springs this week, the focus of brokers has been on communicating to clients expectations that they will likely need to significantly increase retentions if they are to secure the limit they require at the top of cat programs to keep pace with inflation.



n insurance insider

Swiss Re will shrink in US cat as it asks cedants for 'double-double-half'

'Hardening' Property Catastrophe Market Enters 'Hard' Market Phase: Bank of America

By L.S. Howard | October 12, 2022

European reinsurers will miss their earnings targets in 2022 – for the sixth year in a row – which is pressuring the industry to raise rates and continue improving the quality of their portfolios, according to a research report published by the Bank of America.

The result is that the industry is finally entering a "true 'hard' market," said the report.

Specific Challenges:



- Exposure increases (ITV) driven by inflation and supply chain
 - · Knock on affect to modeling
 - \$20B of additional capital required (10% of current \$200b)



- Supply & Demand Imbalance
 - Investor fatigue from years of losses = No new entrants
 - Increase of natural disasters
 - Recent poor industry performance (unprofitable in 4 of last 5 years)
 - Reduced capacity from incumbents "de-risking" book



- lan Loss ? = \$35B to \$70B
 - Trapped capital cannot be redeployed
 - ILS/Collateralized market seizing up



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Cyber Renewal Outlook



Leading insurers have indicated "We may have hit rate equilibrium"

2023 Forecast:

- 15% to 25% increases, at a minimum, for "good" risks and most starting much higher
- Lower overall capacity deployment
- Increased per-claim, self-insured retentions for poor security posture
- Potential coinsurance percentages added for ransomware
- Further reduction of ransomware limit

Requirement to evidence security posture:



- MFA
- Data Backups
- Endpoint Detection
- Employee Education & Training Programs



Workers Compensation Leading Concerns





Rate expectations: Account Specific



Wage Inflation's impact on premiums & Medical Expense Inflation



Underwriter Concerns: Per Occurrence exposure to Cat loss



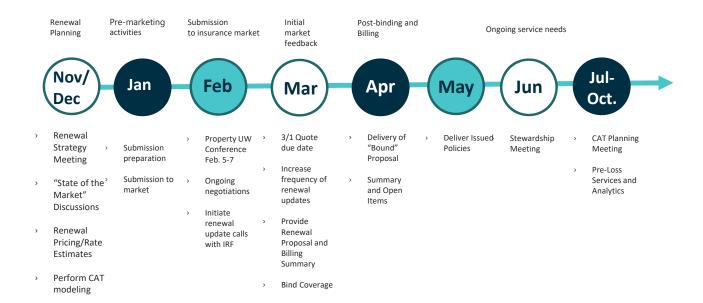
Remote Work: Out of State employees & Impact on productivity and compliance



Investment Yield on Long Tail Coverage

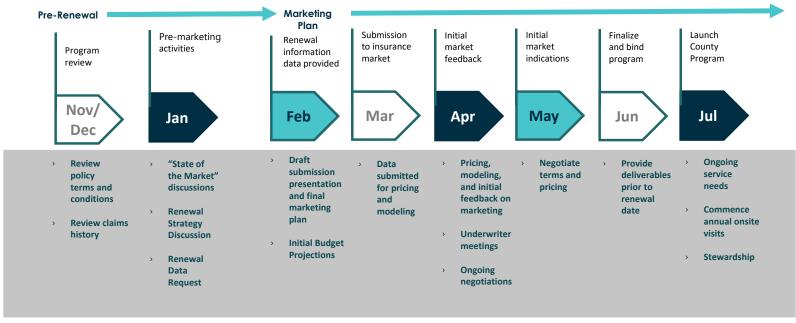


Renewal Timeline - Exhibit - Sample Option 1





Timeline – Exhibit Sample Option 2



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