

### Background and methodology

As generative artificial intelligence (GenAI) leaps beyond legacy automation and is poised to rapidly advance even further in the near future, the demand for novel solutions is rising quickly. Traditional carriers are ramping up GenAI experimentation through both targeted partnerships and the development of in-house capabilities.

To better understand how insurers are exploring or implementing GenAl applications (including OpenAl ChatGPT, Adobe Firefly, GitHub Copilot and others), we conducted the following survey:

#### Conducted in November and December 2023

#### N = 200

- Respondents included global property and casualty (P&C) carriers, life and annuity (L&A) carriers, group benefits providers, brokers or agents, and InsurTechs.
- Decision-makers focused on distribution, underwriting, policy servicing, claims, product strategy, and other investment and technology representatives.
- The survey gauged knowledge of the represented firm's GenAl initiatives or direct involvement in teams leading GenAl efforts, with specific expertise implementing GenAl applications.
- Sample decision-maker titles included (but were not restricted to) CEOs, chief technology officers (CTOs), COOs, chief data officers (CDOs), chief digital officers (CDOs), chief strategy officers (CSOs), heads of Al and other positions in the firm.

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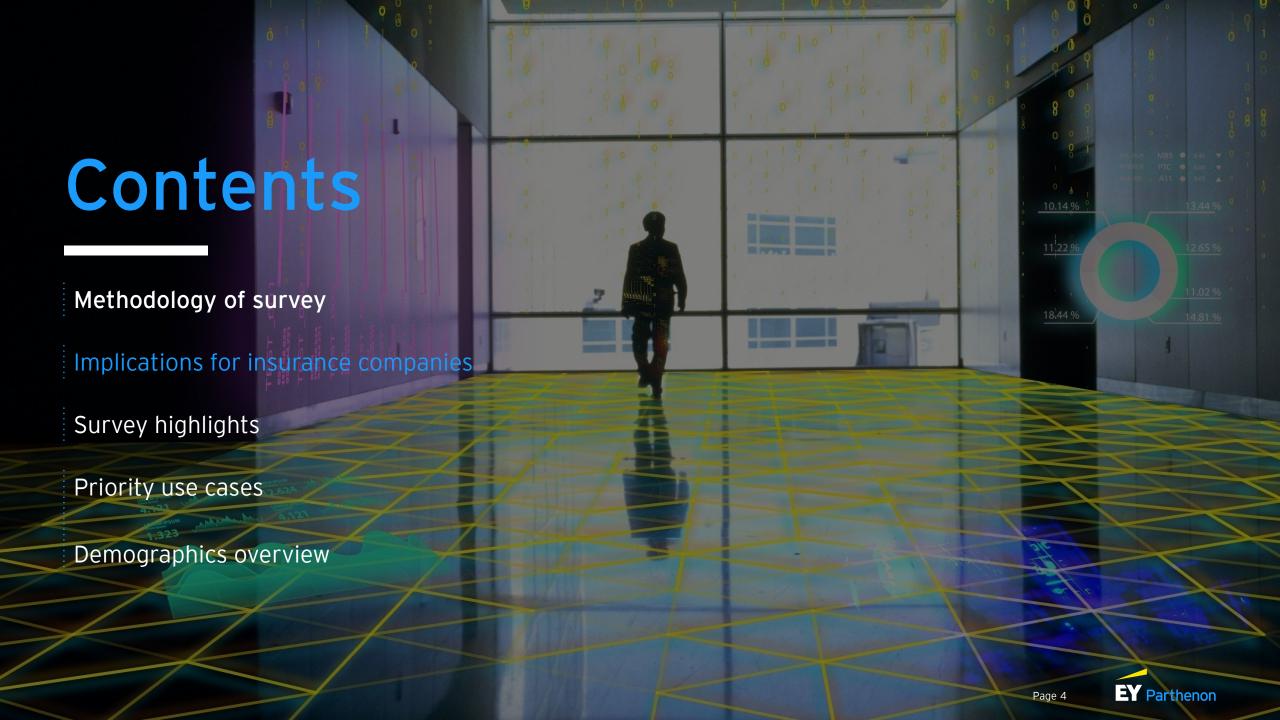
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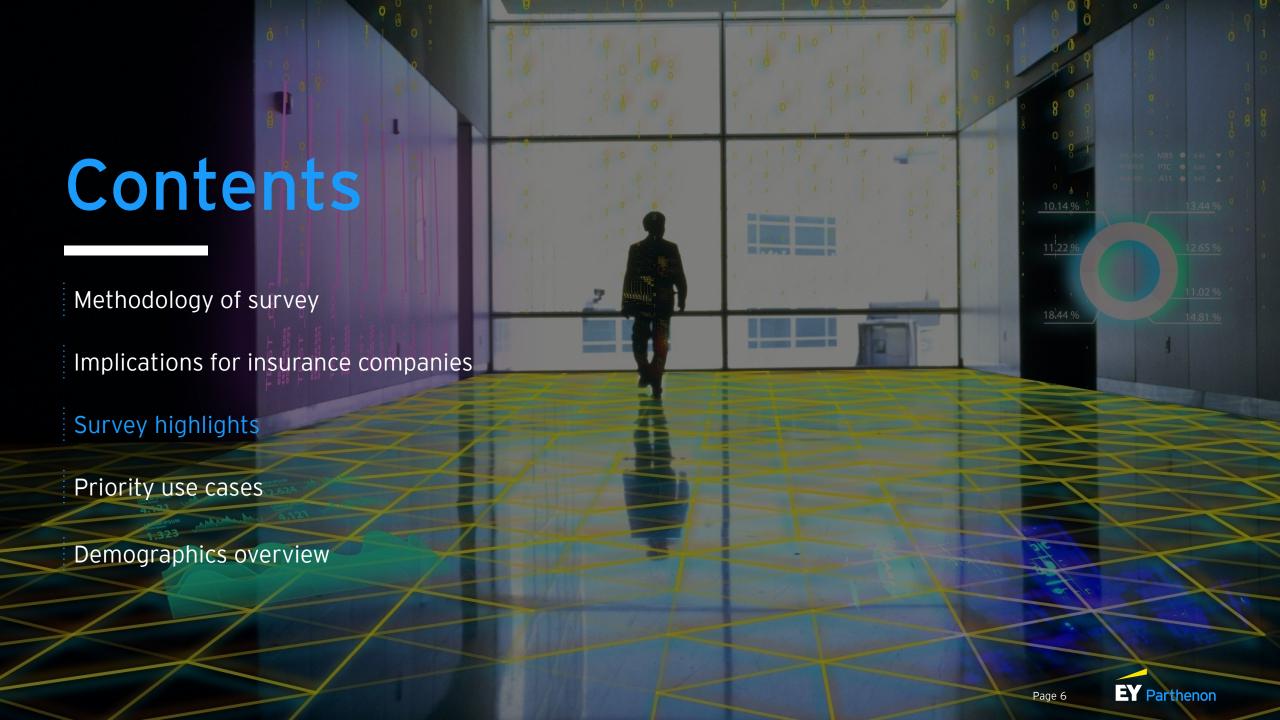


Our study clarifies the value in taking a dual-track approach to operationalize GenAI: both rapid, use-case experimentation and the development of top-down enterprise strategies

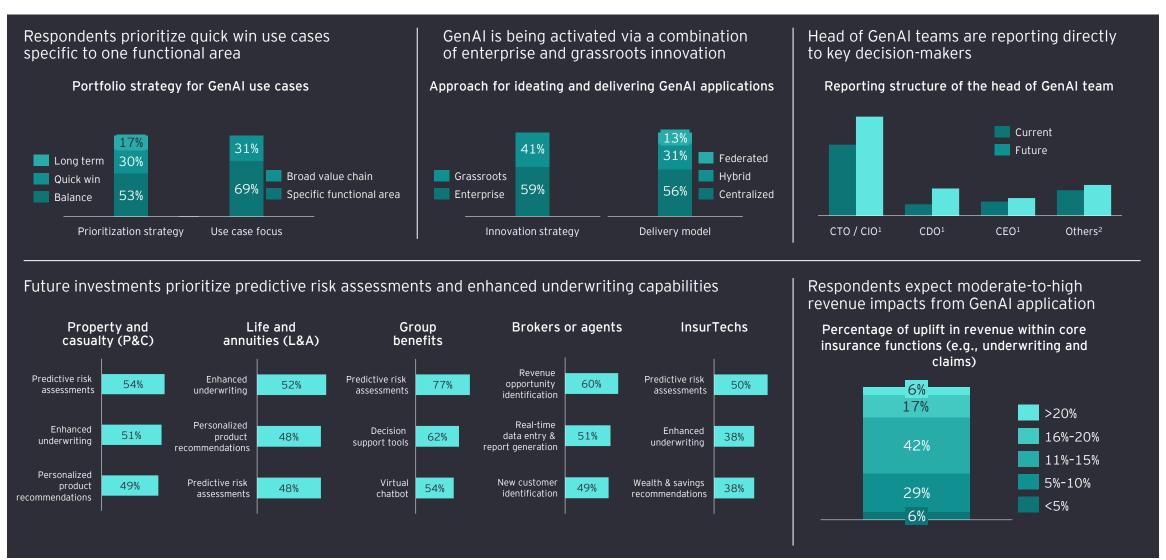
#### Key takeaways

### Supporting data

1	Insurers are prioritizing specialized GenAl use cases in one area of the value chain and those that provide quick wins.	•	69% of insurers prefer specific use cases that transform one area of the value chain. 83% of insurers prioritize use cases that deliver either quick wins, or a combination of near-term and long-term benefit, vs. those that strictly provide long-term impact.
2	Current use cases focus on enhanced chatbots, while future investments prioritize predictive risk assessments and enhanced underwriting.	<b>*</b>	<ul> <li>54% of group benefits providers and 34% of L&amp;A carriers are exploring chatbot use cases.</li> <li>More than 50% of insurers cite predictive risk assessments as a future priority, while 52% of L&amp;A carriers and 51% of P&amp;C carriers prioritize enhanced underwriting.</li> </ul>
3	Insurers are utilizing both top-down enterprise innovation and bottom-up grassroots innovation to activate GenAI.	<b>,</b>	<ul> <li>59% of insurers seek top-down enterprise innovation, while 41% prefer grassroots approach.</li> <li>56% are governing GenAl teams with a centralized model, while 31% opt for a hybrid model.</li> </ul>
4	Heads of new AI and GenAI teams are reporting directly to key decision-makers, including the CTO and CEO.	<b>,</b>	<ul> <li>58% of leaders of active GenAl teams and 53% of leaders of future teams report to the CTO.</li> <li>12% of leaders of active GenAl teams and 7% of leaders of future teams report to the CEO.</li> </ul>
5	Insurers are anticipating that GenAl will ultimately drive productivity gains, revenue uplift and cost savings across core insurance functions.	<b>&gt;</b>	<ul><li>82% of large insurers (greater than US\$25b direct premiums written (DPW)) cite productivity gains as a primary driver for implementing GenAI.</li><li>65% of all insurance companies expect revenue uplift of over 10%, and 52% of respondents anticipate additional cost savings.</li></ul>



## Near- and long-term use cases are focused on enhanced underwriting, predictive risk assessments and personalized product recommendations

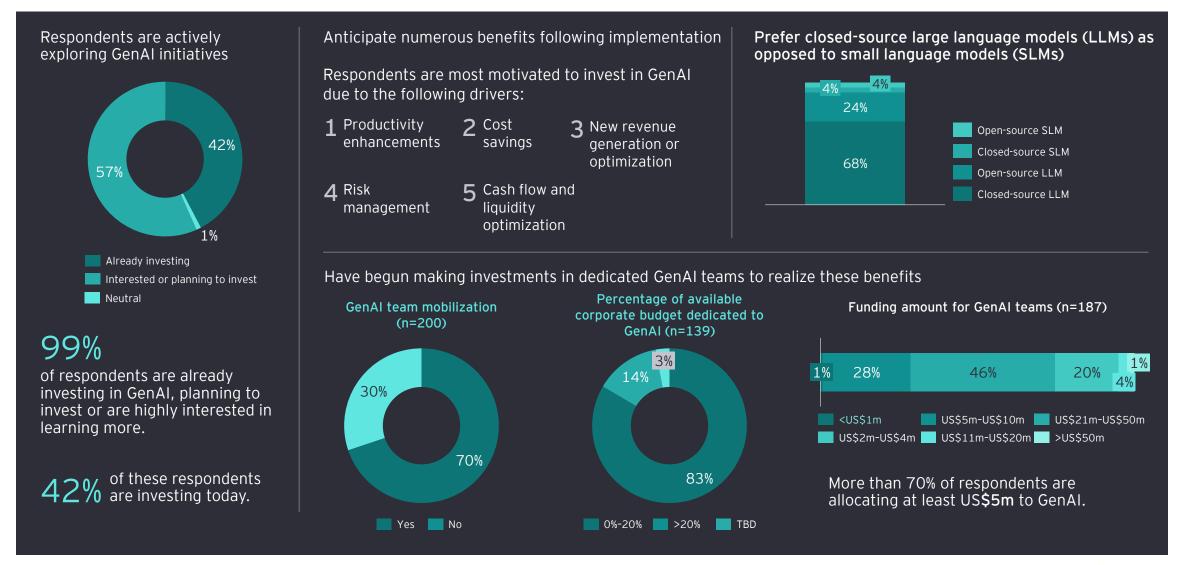


<sup>1.</sup>CTO or CIO - chief technology officer or chief information officer; CDO - chief data officer; and CEO - chief executive officer.

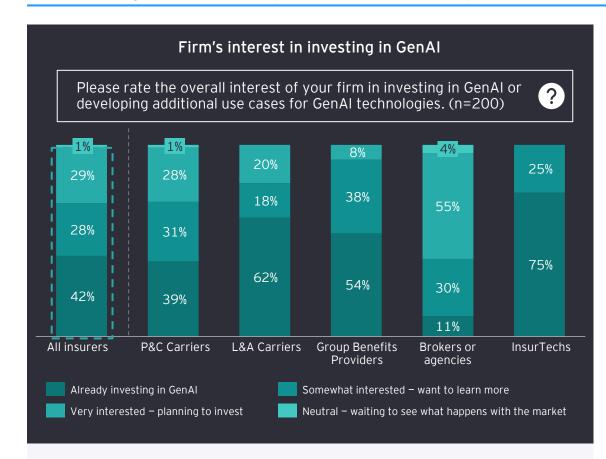


<sup>2.</sup>Others include COO, chief innovation officer, CSO, chief digital officer and head of AI.

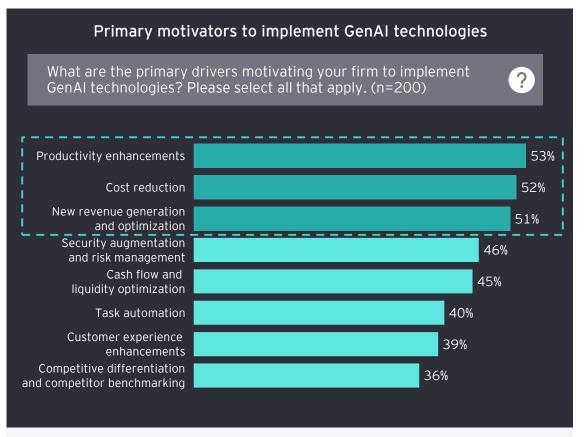
## Usually viewed as slow adopters of technology, insurers across all lines of business are actively investing in GenAl and mobilizing dedicated teams



### Approximately 99% of insurers are already investing in GenAl or are interested in investing due to expectations for productivity, cost and revenue benefits



- InsurTechs lead the way, with 75% having already invested in GenAl, while L&A carriers are close behind at 62%.
- Large insurers with more than US\$10b in DPW have clear appetite for GenAl application, with 73% having already invested, and an additional 17% planning to invest.

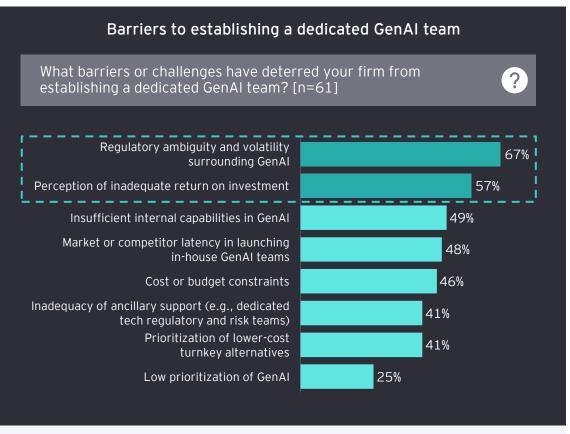


- Productivity enhancement is the leading motivator for insurers seeking to implement GenAl.
- Productivity is more important for large insurers, 70% of those with US\$10 to US\$25b, and 82% of those with greater than US\$25b DPW cite this as a key driver.



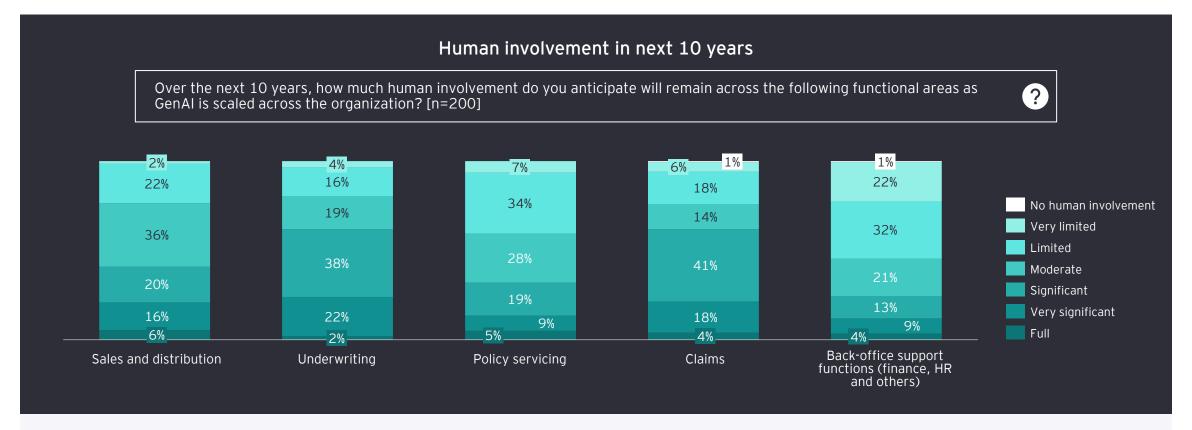
Two-thirds of respondents cite regulatory ambiguity as the top barrier to establishing a dedicated team for GenAI, though there is large variance by line of business





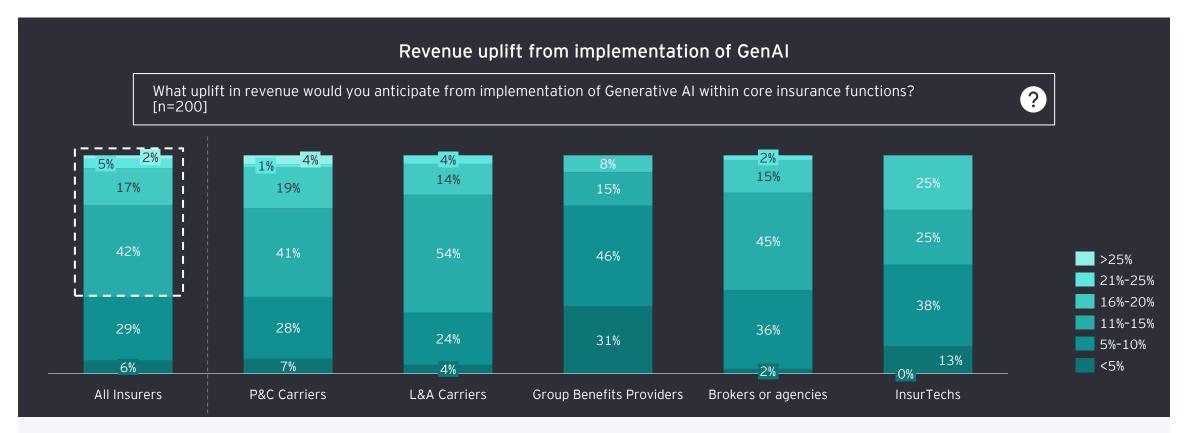
- ▶ 84% of insurers that have not already established dedicated GenAl teams plan to do so before 2025, 61% are planning to launch a team by Q2 2024; 100% of InsurTechs plan to launch GenAl dedicated teams imminently.
- ▶ 100% of larger insurers, with more than US\$5b DPW, plan to launch a dedicated GenAl team prior to 2025.
- 67% of insurers that have not established dedicated GenAl teams are deterred by regulatory uncertainty, while 57% are due to inadequate expected return.

# Insurers expect that GenAl will impact workforces, with functions such as back-office support and policy servicing having limited human involvement in the long term



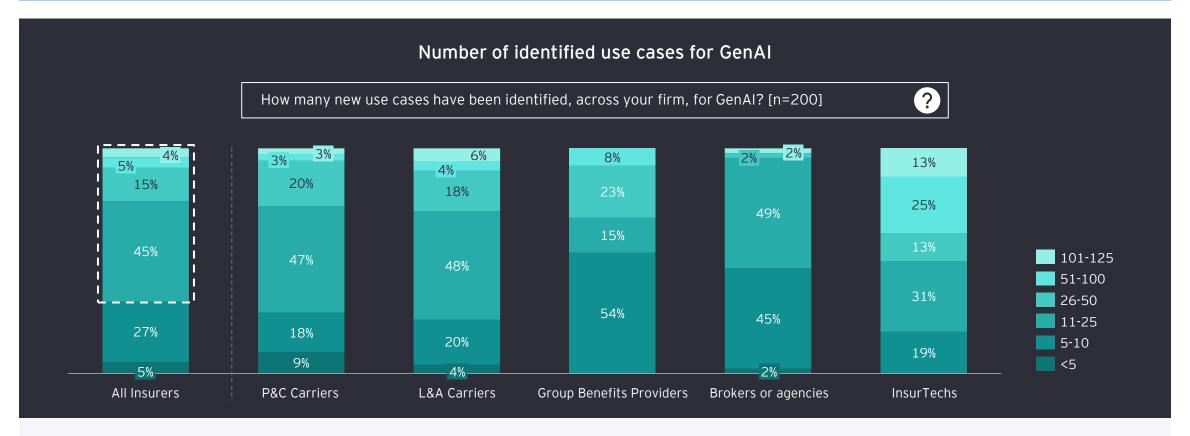
- At least 40% of insurers expect moderate to no human involvement across sales, underwriting, policy servicing, claims and back office in the next 10 years.
- Insurers anticipate an even larger impact on back-office and policy servicing, with over 55% predicting limited to no human involvement in the next 10 years.
- Of the 23% of insurers that expect very limited to no human involvement in back-office support within 10 years, approximately 50% have less than US\$1b DPW, indicating both larger and smaller carriers expect impact in this space.

## Two-thirds of respondents anticipate a revenue uplift of greater than 10% from implementation of GenAI within their core functions



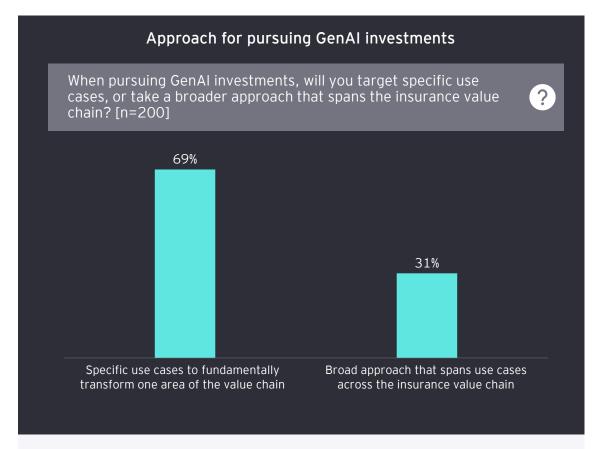
- ▶ 82% of firms with US\$500m to US\$1b DPW anticipate over 10% of revenue uplift by implementing GenAl across core insurance functions.
- ▶ 88% of InsurTechs expect more than 10% revenue increase, and 50% anticipate more than 15% increase.
- 66% of insurers that expect over a 10% uplift in revenue have less than US\$5b in direct premiums written (DPW), while only 15% have more than US\$10b DPW.
- > 32% of North American insurers anticipate an uplift in revenue of more than 15%, compared with 16% in Europe, the Middle East, India and Africa and 12% in Asia-Pacific.

Some carriers are moving ahead cautiously with a few first-generation use cases, while others are evaluating and prioritizing a lengthy backlog

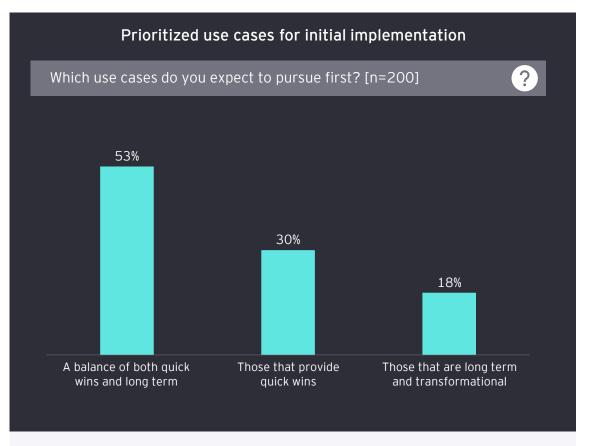


- Most insurers have identified five to 25 use cases, with 45% having identified 11 to 25; InsurTechs lead the way with approximately 40% of them having identified 51 to 125.
- Approximately 50% of insurers are also exploring real-time fraud detection, personalized assistants for customer-facing roles and enhanced data aggregation use cases.
- Approximately 95% of the insurers consider client-facing GenAl applications, and 56% of InsurTechs are very excited or excited about client-facing use cases.

Most carriers are prioritizing use cases to transform a specific part of the value chain (e.g., underwriting and distribution), with an emphasis on quick wins



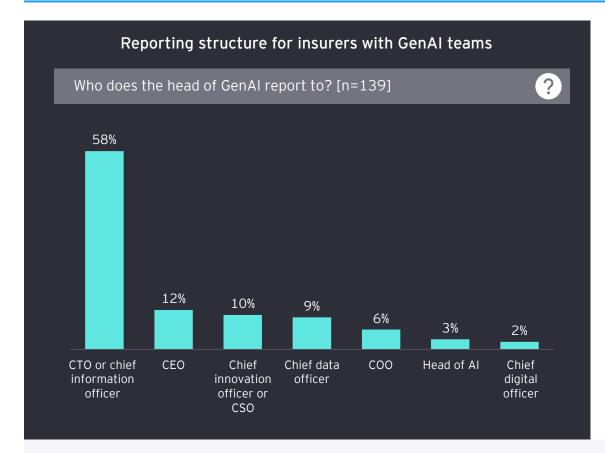
- Of insurers that prefer a broad approach that spans insurance value chain, 76% have greater than US\$1b DPW.
- L&A carriers are more open to a broad value-chain approach, with 40% citing this as their preference over specific use cases.

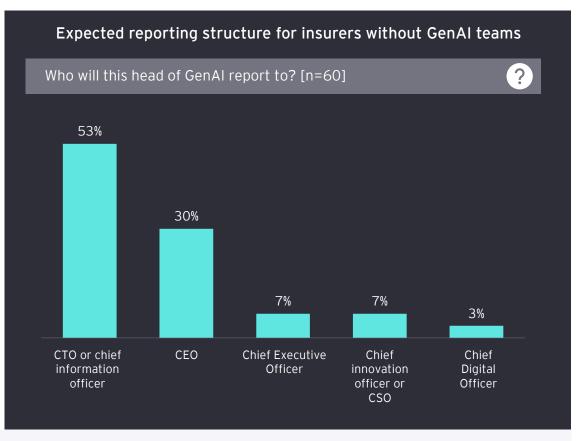


- Group benefits insurers, InsurTechs and L&A carriers prefer a portfolio that provides quick wins at 54%, 38%, and 36% respectively.
- Brokers or agents and P&C prefer balance at 74% and 53% respectively.
- Approximately 40% of insurers with US\$5b to US\$10b DPW will prioritize use cases that are long term and transformational.



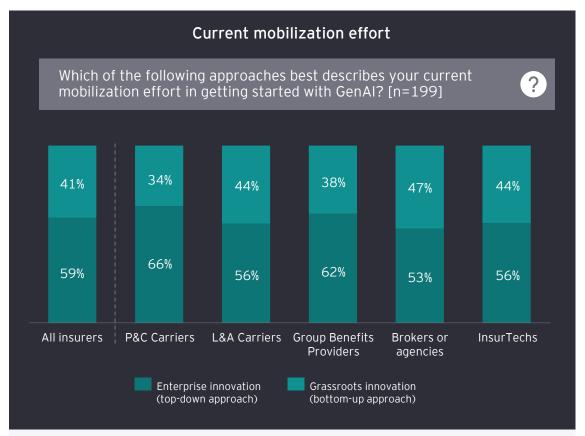
Insurers are building dedicated teams, many of them with direct links to the C-suite and board; more than a quarter of GenAl leaders report to senior executives



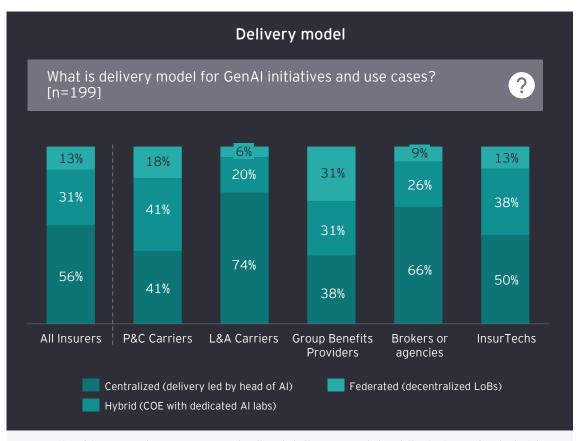


- Most leaders of dedicated GenAl teams report to the CTO or CIO. However, 12% report directly to the CEO. Among insurers that do not currently have a dedicated GenAl team but are planning to establish one, almost 7% expect that the team leader will report directly to the CEO.
- Of the insurers that do not yet have a dedicated GenAl team but intend to create one, 58% expect it to be led by the head of technology, 32% by the head of data and analytics, and only 8% anticipate the leader will hold the title of head of innovation and strategy.

## Dual-track approaches balancing grassroots experimentation and top-down strategies, with strong underlying governance, have emerged as a leading practice



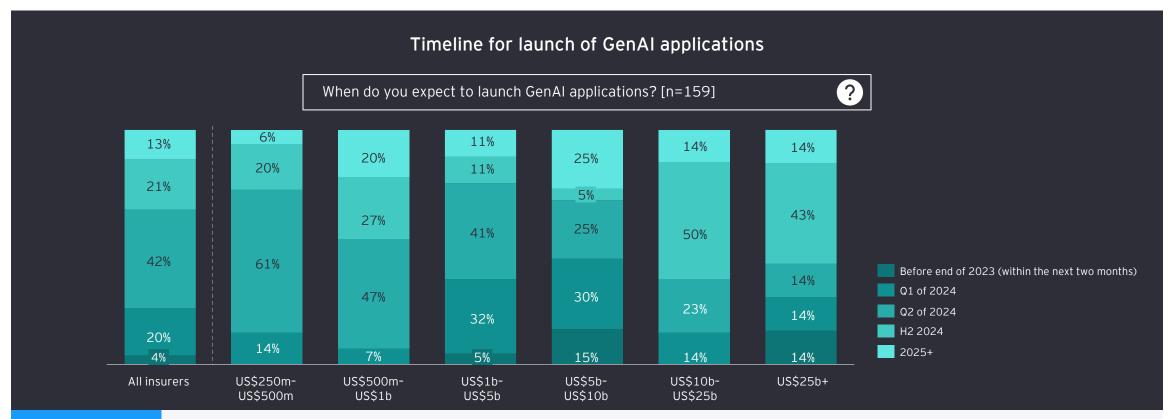
- ▶ 59% of insurers leverage an enterprise readiness (top-down) approach when mobilizing GenAI. This includes 100% of the largest insurers, defined as those with a DPW greater than US\$25b.
- ▶ 55% of insurers that have yet to launch a dedicated GenAl team but plan to do so expect to use an enterprise readiness approach.



- ▶ 56% of insurers leverage a centralized delivery model, while 31% prefer hybrid.
- 70% of smaller insurers with less than US\$500m DPW prefer a centralized model.
- ▶ 57% of insurers that have yet to launch but are planning to establish a dedicated GenAl team expect to leverage a centralized delivery model, while 32% prefer a hybrid approach.



Insurers are prioritizing quick-win use cases that can be tested and launched efficiently, with low risk, across near-term time horizons

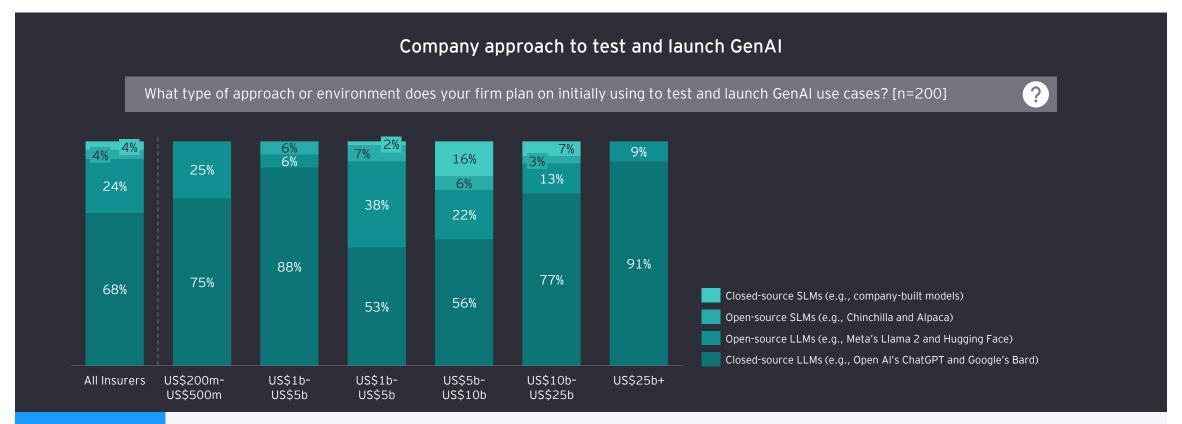


#### **Key observations**

- 4% of all insurers plan to launch GenAl imminently, or within the next months.
- ▶ 95% of smaller insurers, or those with less than US\$500m DPW, plan to launch GenAl in 2024.
- 42% of InsurTechs expect to launch GenAl applications in Q1 of 2024, and 17% even plan to within the next two months.
- ▶ 58% of insurers anticipate that GenAl applications will enable greater than 60% automation viability in the next five years.

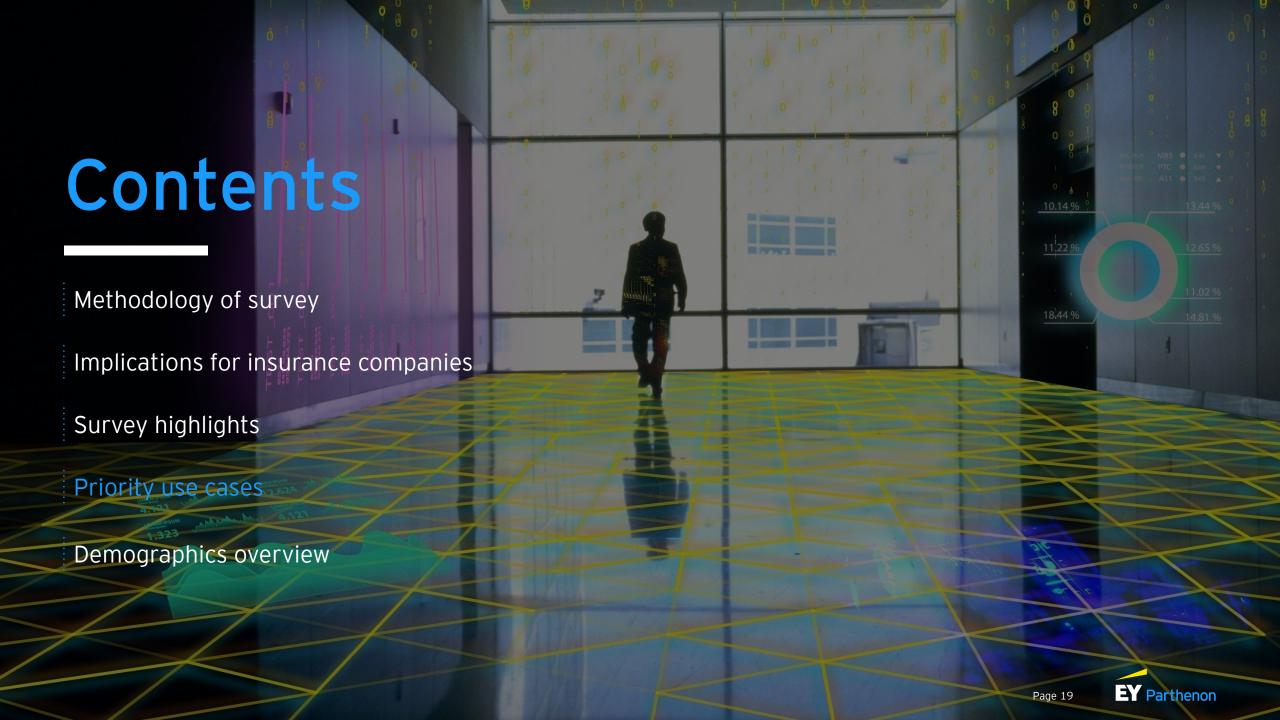


Sixty-eight percent of insurers expect to use closed-source LLMs, while 24% prefer open-source LLMs – establishing trust and security in all platforms is a priority

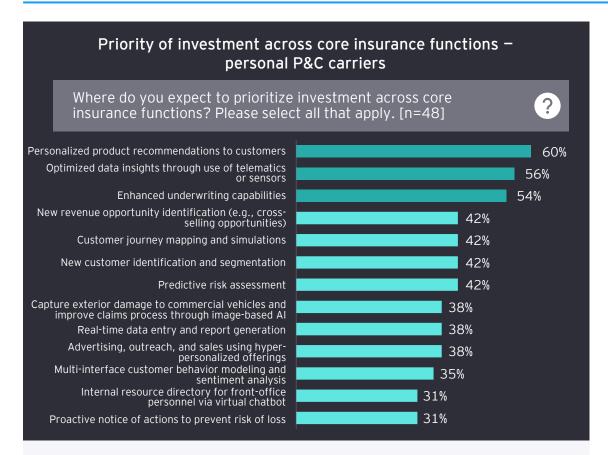


#### **Key observations**

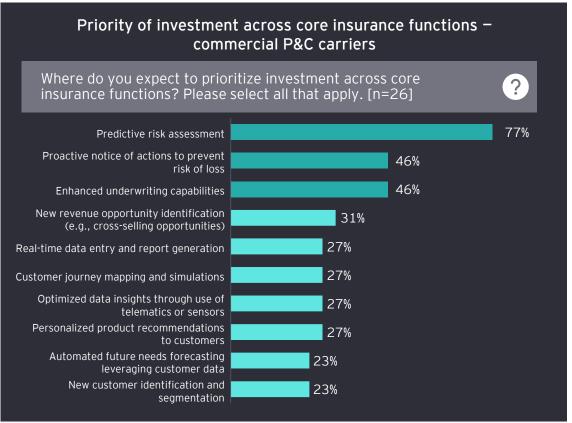
- ▶ 44% of InsurTechs plan to leverage open-source LLMs to test and launch GenAI use cases, while 77% of brokers and group benefits carriers plan to use closed-source LLMs.
- ▶ 77% of insurers with US\$10b to US\$25b DPW plan to use closed-source LLMs, as do 91% of insurers with greater than US\$25b DPW.
- ▶ 8% of all insurers expect to leverage SLMs, however, 44% of those with US\$5b to US\$10b DPW plan to do so.



## Personal P&C insurers are most focused on personalized, data-driven product use cases, while commercial lines insurers are prioritizing pricing and underwriting applications



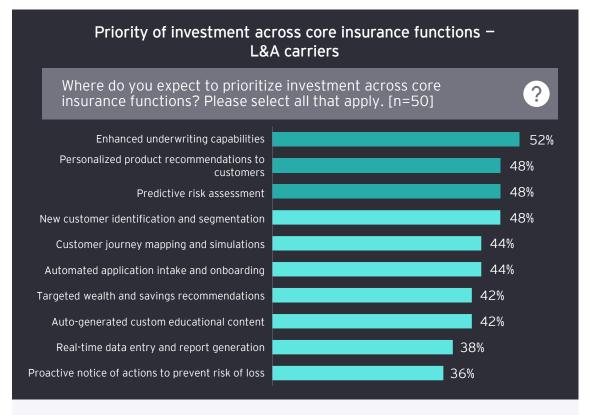
- A majority (60%) prioritize investment in personalized product recommendations, indicating a trend toward a more tailored customer experience.
- Around 56% of respondents prioritize investment in optimizing data insights by utilizing telematics or sensors, reflecting the growing importance of data-driven strategies in insurance.



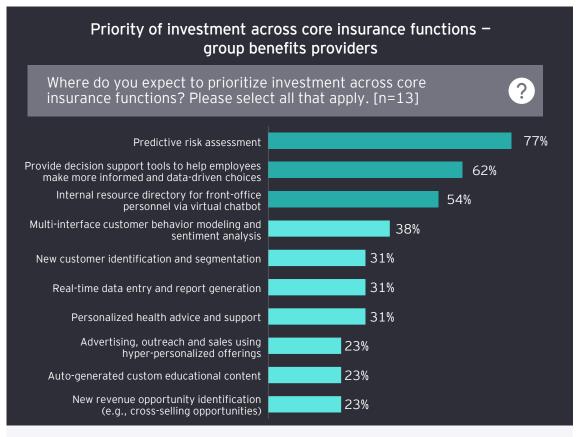
- The majority (77%) of commercial P&C insurers prioritize investment in predictive risk assessment, aiming to improve their ability to forecast and manage risks.
- "Enhanced underwriting capabilities" and "Proactive notice of actions to prevent risk of loss" were equally selected by 46% of insurers, signalling a focus on improving underwriting processes and loss prevention strategies.



## Individual L&A carriers are focused on enhanced underwriting use cases, whereas group benefits providers are more focused on distribution and marketing capabilities

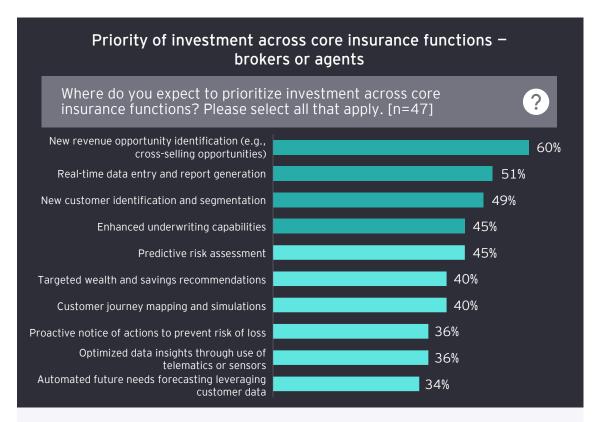


- For L&A carriers, enhanced underwriting, personalized product recommendations, predictive risk assessment and new customer identification are GenAl priorities, with 52% citing enhanced underwriting the top use case.
- Around 48% of L&A carriers identified personalized product recommendations, predictive risk assessment and new customer identification as priorities.
- L&A carriers prioritize both personalized product recommendations and new customer identification and segmentation for the expected customer value, referencing this the top criteria at 79% and 67% respectively.



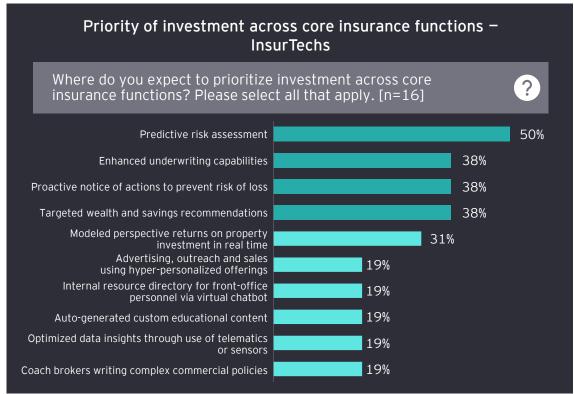
- For group benefits carriers, predictive risk assessment, decision support tools and internal directories are GenAl priorities, with over 60% citing predictive risk assessments and decision support tools the top use cases.
- Approximately 60% of group benefits providers prioritize predictive risk assessment for the expected customer value, while 50% prioritize new customer identification and segmentation for the expected customer value.

### Brokers and agents are prioritizing investments in revenue-generating use cases; InsurTechs are focusing on advanced analytics and other targeted applications



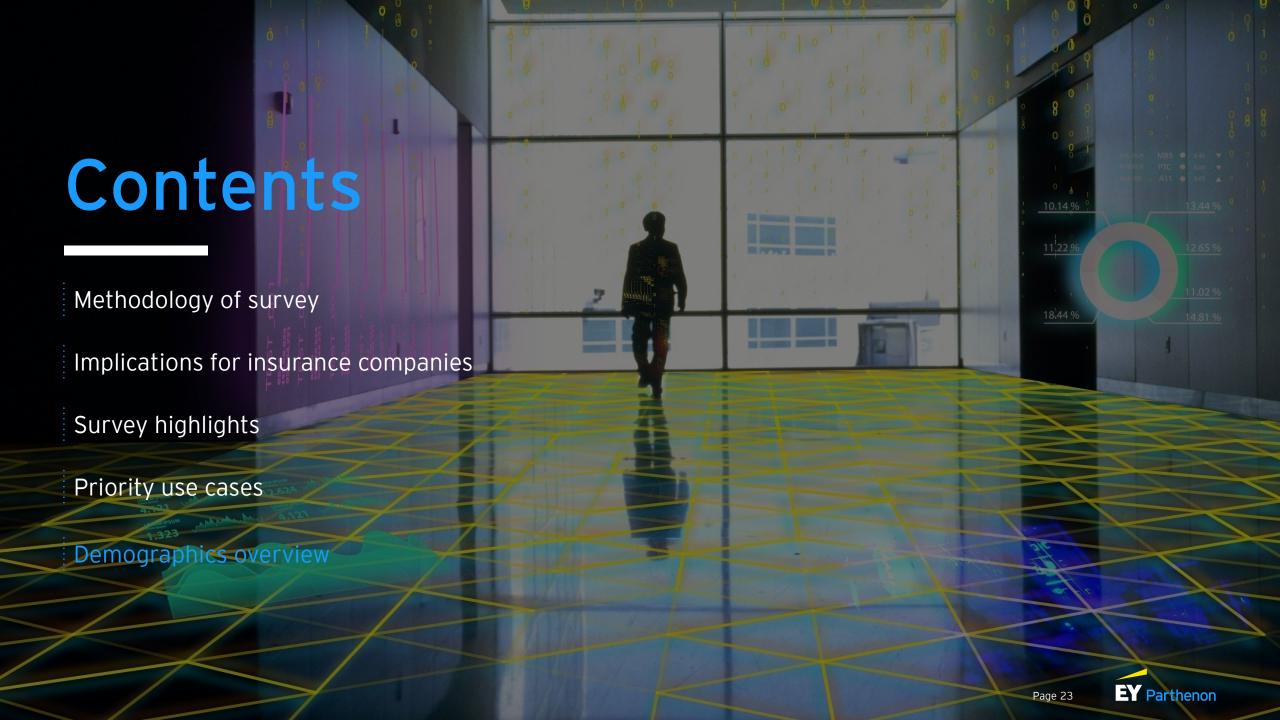


- Around 45% of brokers or agents prioritize better underwriting and risk assessment, showing a need for more precision in pricing and risk management.
- Approximately 61% of brokers or agents prioritize new customer identification and segmentation for the expected customer value, while 43% prioritize predictive risk assessment for the anticipated reduction in implementation cost.

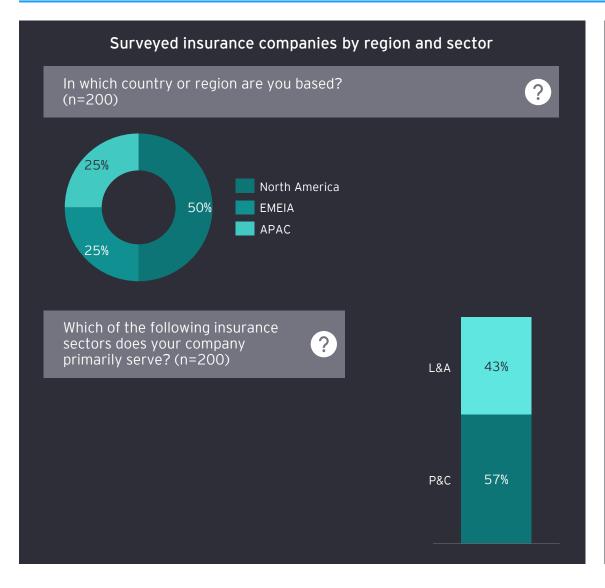


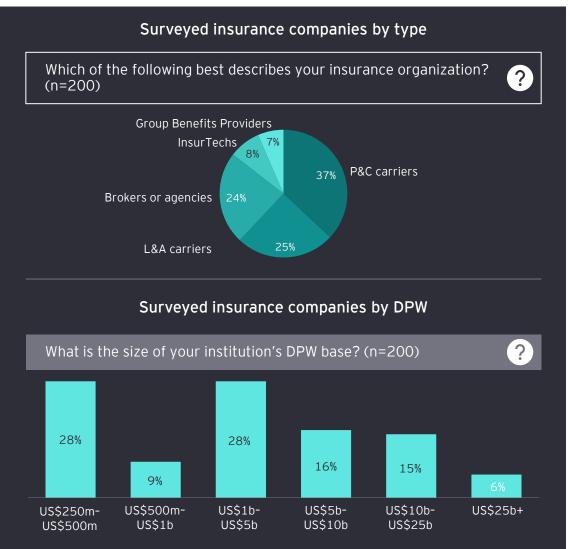
- For InsurTechs, predictive risk assessment is the primary GenAl priority, with 50% citing this the top use case.
- Enhanced underwriting, risk prevention actions and personalized financial advice are each prioritized by 38% of InsurTechs, indicating a focus on improving core insurance processes.
- Approximately 50% of InsurTechs prioritize targeted wealth and savings recommendations for the anticipated reduction in implementation cost, while 38% prioritize predictive risk assessment for the expected customer value.





### Surveyed insurance company demographics







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