

### Why This Report, Why Now and Why Pointe

#### **RATIONALE FOR REPORT**



While there is significant "buzz" related to applications for generative AI (GenAI) in the professional services sector, uncertainty about it and its impact abounds

- There is great deal of opacity related to the application of GenAI across professional services firms, how it will likely affect different segments of the market, and best practices regarding adoption and implementation
- This report is intended to address these uncertainties and offer a
   Point(e) of View on the potential impact of GenAI on the
   professional services industry by answering several key questions:
  - What is generative AI and how can it be used?
  - How are companies and segments adopting this new technology and incorporating it into their businesses?
  - What are the top concerns associated with generative AI?

#### **POINTE'S METHODOLOGY**



Pointe has conducted primary interviews and a survey of decision-makers across professional services companies to better understand GenAl

- Pointe conducted a survey of 151 respondents across four\*
   professional services segments: 1) Accounting Services
   (including tax, assurance wealth management, and financial
   advisory), 2) Business Consulting (including strategy and
   operational consulting), 3) IT Consulting (including managed
   services), and 4) Legal Services
- Pointe also interviewed 10 individuals that were responsible for their firm's AI strategy to gain a deeper perspective beyond the survey data

\*Pointe also included an "Other" category capturing feedback and respondents from energy consulting, ESG consulting, market research, and staffing firms





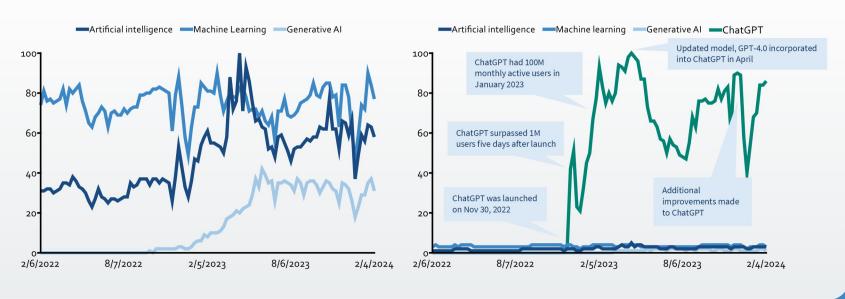
## Since ChatGPT's launch in Nov 2022, curiosity in GenAI and ChatGPT has exploded, although interest has begun to ebb in recent months



Based on Google searches, interest in generative AI was very low prior to ChatGPT but exploded following ChatGPT's launch on November 30, 2022. Curiosity around ChatGPT drove significant scrutiny of the underlying technology. Since ChatGPT's wide adoption, engagement related to generative AI and ChatGPT has declined from its peak in Spring/Summer 2023; as people begin to better understand the capabilities and limitations of generative AI, they are beginning to separate reality from hype.

#### Interest in Generative AI Over Time - Google Trends, Feb 2022 - Feb 2024

(Indexed to 100, where 100 equals the highest search popularity over the time period for the search terms used)1



"This is an exciting time; everyone is interested in watching how the space develops. All our clients are interested in the buzzy concepts of AI but no one knows how to implement a suite of services yet that is fully baked to their needs"

– Managing Director, Business Consulting, \$500 - \$999M

"Only now, after the interest in ChatGPT and generative AI, have I got real buy-in from my firm on using machine learning and AI."

> – Partner, Legal Services, \$100 - \$250M

"The consensus among people I've spoken with is that while generative AI isn't going away, they agree that it isn't going to be a game changer either."

> CIO, Business Consulting \$100M - \$250M



Note: Search terms used were "artificial intelligence," "machine learning," "generative AI", and "ChatGPT." According to Google, "Numbers on the graph don't represent absolute search volume numbers, because the data is normalized and presented on a scale from 0-100, where each point on the graph is divided by the highest point, or 100... A line trending downward means that a search term's relative popularity is decreasing—not necessarily that the total number of searches for that term is decreasing." Sources: Google Trends, CNBC, Expert interviews



## GenAI is largely associated with content generation (e.g., text, images, video, etc.) via the analysis and identification of patterns in data

**DESCRIPTION** 

ARTIFICIAL
INTELLIGENCE (AI)

While no commonly agreed upon definition exists, the National Institute of Standards and Technology (NIST) defines AI as "software and/or hardware that can learn to solve complex problems, make predictions or undertake tasks that require human-like sensing (such as vision, speech, and touch), perception, cognition, planning, learning, communication, or physical action"

**EXAMPLE USE CASES** 



- Games/Gaming such as Chess playing (IBM Deep Blue)
- Rule-based chatbots

MACHINE LEARNING (ML) Machine learning is a subfield of AI that focuses on the use of statistical algorithms to analyze large datasets to develop self-learning models / programs that perform tasks without relying on explicit rules-based programming to do so



- **Email filtering**
- Customer churn predictions

DEEP LEARNING (DL)

Deep learning is a subset of machine learning that uses multi-layered neural networks to process data and generate output by mimicking the way through which the human brain functions



- Recommendation engines (Netflix)
- Fraud and anomaly detection
- Voice assistants (Siri)

GENERATIVE ARTIFICIAL INTELLIGENCE (GenAI) Generative AI are deep learning models that analyze and identify patterns and structures within existing data to generate new text, images, and other content based on the data from which they were trained



- Content generation (ChatGPT)
- Software code writing
- Process optimization
- · Text-to-Speech



Sources: NIST, Congressional Research Service, IBM, Amazon, NVIDIA



## While the value of GenAI to professional services is only now emerging, the origins of GenAI can be traced back to the early 1950s

#### FLOURISHING OF AI RESEARCH

As computers became more advanced, Al research and funding increased. Between 1964 and 1966, a computer scientist at MIT developed the world's first chatbot, ELIZA, which was able to simulate a conversation with a psychotherapist.

#### **GROWTH OF MACHINE LEARNING**

Advancements in computing and data storage enabled new developments in Al research, fueling new funding. New machine learning models and techniques were explored and developed.

#### **EXPLOSION OF DATA**

The rise of the Internet led to an explosion in the amount of data generated.
Concurrently, computer processing power increased substantially. More data and greater computing power helped to fuel new AI developments, including the creation of IBM Watson.

### FIRST CONSUMER GENERATIVE AI APPS CREATED

New applications, such as Dall-E, ChatGPT, Midjourney were launched, leading to significant public interest into generative AI.

1950s

1960s

1970s

1980s

1990s

2000s

2010s

2020s

#### **BIRTH OF AI**

In a 1950 paper, "Computing and Machinery and Intelligence," Alan Turing introduced the concept of AI. Six years later, in 1956, the term "artificial intelligence" was coined at the Dartmouth Summer Research Project on Artificial Intelligence, which also launched AI as a formal field of study.

#### **DECLINE IN AI FUNDING**

Given that few useful applications were developed in the preceding years, funding for new AI research declined. During this time, research into expert systems began.

### CONTINUE GROWTH OF AI RESEARCH

Growth in computing power and data continued, driving new AI research. In 1997, IBM's Deep Blue chess-playing expert system defeated the reigning world chess champion, which was the first time a reigning champion had lost to a computer.

### FOUNDATIONS OF MODERN GENERATIVE AI DEVELOPED

The development of new algorithms, such as generative adversarial networks (GANs) and transformer models provided the foundation for new generative AI applications. In 2018, the first version of Generative Pre-trained Transformer (GPT) models, on which ChatGPT is built, was created by OpenAI.



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## GenAI applications in professional services, such as data collection and analysis and data summaries, are built on foundation models



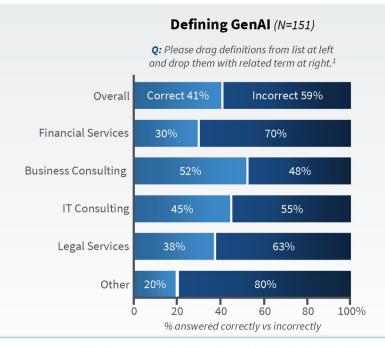
**Foundation models** are AI models trained on massive, broad datasets that can accomplish a wide range of tasks. These models predominantly generate output in one modality (e.g., text, image, etc.), although some newer foundation models are multi-modal. Foundation models can serve as the "foundation" for more specialized application development. ChatGPT, for example, uses GPT 4 (for paid subscription) and GPT 3.5 (for free version).

Modality (type of output generated)	Example Use Cases	Select Foundation Models (and Companies)
T Text	Generate research summaries, draft emails, produce business proposals, translate text	GPT 4 and GPT-3.5 (OpenAI), Claude 2 (Anthropic), Llama (Meta), Cohere (Cohere), LaMDA (Google)
Code	Develop program / applications, build websites	GPT 4 and GPT-3.5, Claude 2, Code Llama (Meta), Codex (OpenAI)
/ Image	Create digital advertisements, generate logos, build infographics	GPT 4 and DALL-E 3 (OpenAI), Midjourney (Midjourney), Stable Diffusion (Stability AI),
Speech	Produce video voiceovers, create podcasts	Descript (Descript), Voice Changer (Eleven Labs), Murf (Murf.AI)
☐ Video	Edit movies, generate video advertisements	Stable Video Diffusion (Stability AI), Descript

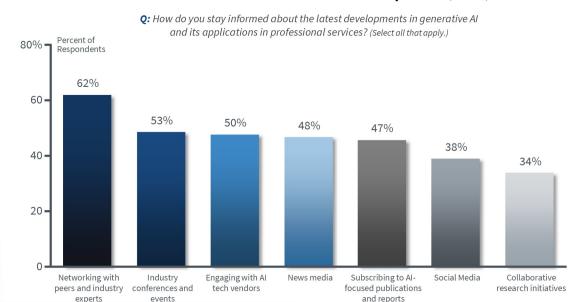




## Only 41% of professional services respondents can correctly define GenAI; most are informed on GenAI via networking and conferences



#### Sources of Information on GenAl Developments (N=151)





59% of respondents did not demonstrate a basic definitional understanding of the differences between generative AI, deep learning, and machine learning. This indicates a lack of understanding of how generative AI is distinct from other types of AI applications and uses cases, and/or a lack of awareness that there are other types of AI beyond generative AI. This misunderstanding is reinforced within each industry as networking and industry conferences are the primary sources through which respondents learn about generative AI. Among respondent groups, Consultants had a greater grasp of the technology with 52% and 45% of business consultants and IT consultants, respectively, answering correctly compared to 30% and 38% of respondents in financial services and legal services, respectively.

"The biggest problem is that many people's definition of Al is just generative Al and they don't understand that there are many other [Al] applications, like machine learning, neural networks, etc. So they are only aware of ChatGPT and not other tools and use cases.

- Partner, Legal Services , \$100 - \$250M



Source: Professional services firms' survey (N=151), expert interviews (N=10)

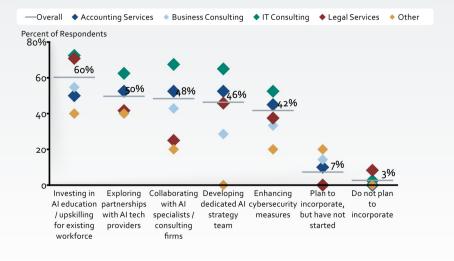
1 - Respondents were asked to assign four definitions to four key terms; artificial intelligence, machine learning, deep learning, and generative artificial intelligence.



# 90% of firms have begun to incorporate AI into their strategic planning, led by IT Consulting companies and larger organizations

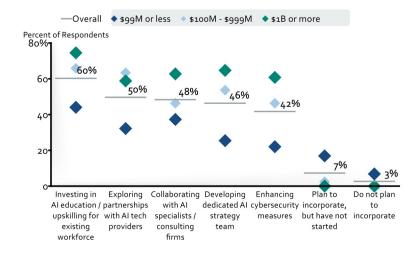
#### **GenAl Strategic Planning by Industry** (N=151)

**Q:** In light of potential disruptions caused by generative AI, how is your organization currently approaching strategic planning to ensure business continuity and growth? Please select all that apply.



#### GenAl Strategic Planning by Company Size (Revenue) (N=151)

**Q:** In light of potential disruptions caused by generative AI, how is your organization currently approaching strategic planning to ensure business continuity and growth? Please select all that apply.





Firms are incorporating GenAl into their strategic planning in several ways, the most common of which (60%) is investing workforce education / upskilling. Firms are also exploring leveraging external expertise (50% are exploring partnerships with AI tech providers and 48% are collaborating with AI specialists / consultants) and seeking to build internal AI teams (46%). While IT Consulting firms are further along in adopting each of these strategies into their planning, across industries, firms with less than \$100M in revenue are farthest behind (~25% have not yet incorporated GenAI into their strategic planning), or do not plan to, as compared to <2% of companies with \$100M+ in revenue.

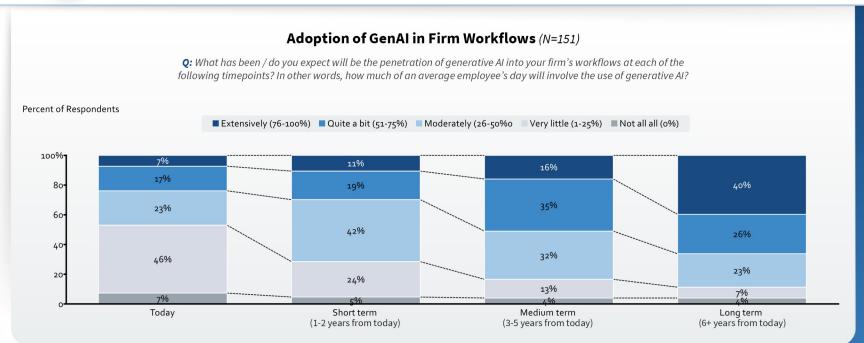




## While most firms have already begun to adopt AI, utilization of generative AI is expected to steadily increase in the following years



While nearly all firms surveyed (93%) have incorporated GenAl into their workflows, nearly half (46%) currently use Al "very little" on a daily basis. However, GenAl usage is expected to increase significantly over the next several years as 66% of respondents expect GenAl to be used "extensively" or "quite extensively" (i.e., used >50% of the day) in the long-term (>5 years) compared to only 24% today.



"From what I'm going through, I think we'll have firmwide adoption of generative AI in six months, but full integration is likely two to three years away. You need to remember that law firms are very traditional, much more than other industries. It's not an innovative space. Law is literally based on precedent. It's very, very hard to change this industry."

> Partner, Legal Services . ۱۹۵۵ - ۱۹۵۵



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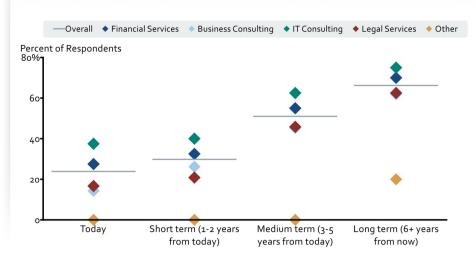
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## Incorporation of generative AI into professional services firm workflows is expected to vary significantly based on segment and firm size

The IT Consulting industry has adopted generative AI at a faster pace than others, increasing from ~38% today to 75% "quite a bit" or "extensive" adoption in the long term; conversely, Legal Services is the slowest to adopt



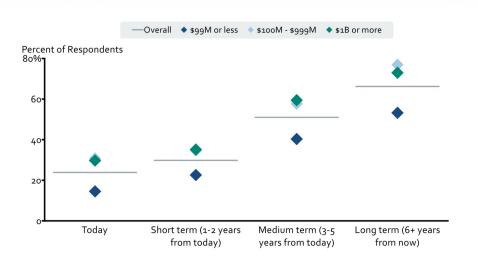
**Q:** In light of potential disruptions caused by generative AI, how is your organization currently approaching strategic planning to ensure business continuity and growth? Please select all that apply.



Whereas mid-size and large firms expect to increase adoption "quite a bit" or "extensively" (from ~30% today to 75% in >5 years), small firms expect to trail significantly in adoption, only achieving ~50% adoption in the long-term

#### "Quite a bit" or "Extensive" Adoption of AI by Revenue (N=151)

**Q:** In light of potential disruptions caused by generative AI, how is your organization currently approaching strategic planning to ensure business continuity and growth? Please select all that apply.



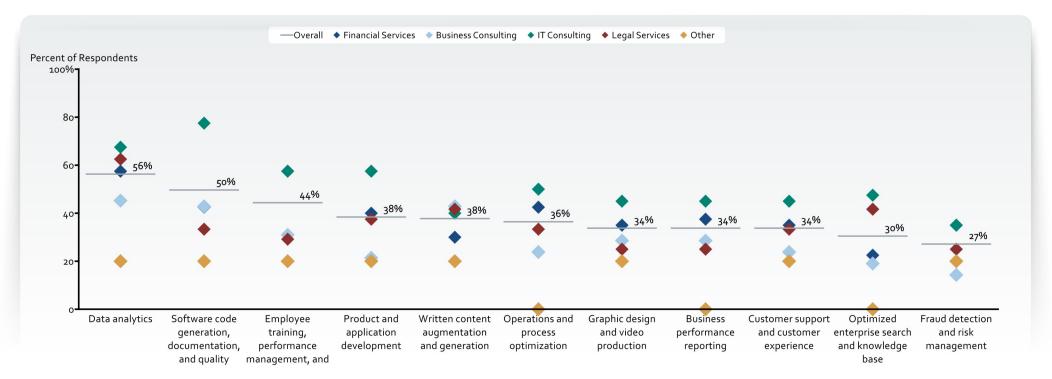




## Data analytics, software code generation, and employee training are the most common GenAI use cases, largely driven by IT Consulting

#### **Current GenAl Use Cases** (N=151)

**Q:** For which use cases is your firm utilizing generative AI today?





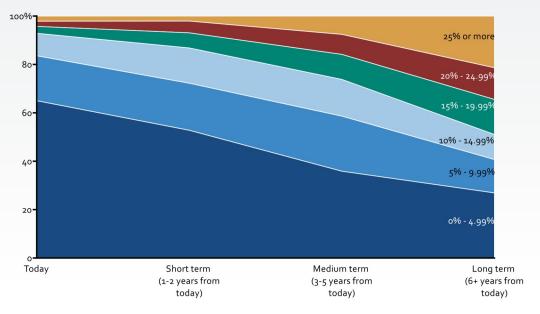


### While most firms currently spend <5% of their revenue on AI products and services, they expect to significantly increase budgets over time

#### Budget for AI (N=151)

**Q:** As a percentage of your company's revenue, what budget has been / do you anticipate will be dedicated to AI products and services at each of the following time points?

#### Percentage of Respondents



#### **INCREASING BUDGETS OVER TIME**

Firms expect their budgets for AI to increase significantly over time with the percentage of firms expecting to spend >5% of their revenue on AI products and services increasing from ~35% today to ~76% in the long-term.

- Accounting Services: ~28% → 72% (~23% expected to spend 25%+ of revenue)
- Business Consulting: ~44% → 66% (~15%)
- IT Consulting: ~70% → ~90% (~38%)
- Legal Services ~57% → ~67% (~5%)

A **key driver of budget growth is expected productivity and efficiency gains** across key workflows. As firms gain confidence and clarity regarding the operational and efficiency gains they can achieve (and so can reduce headcount and operating costs), a greater percentage of budgets should shift to technology.

IT Consulting firms expect the greatest spend on AI as a percentage of revenue, likely due to the **expectation that IT Consulting firms will leverage AI for revenue generating activities** (e.g., new product and services sales) versus simply focusing on cost savings as other industries do.

"I can see a shift in our IT budget going from 1% spend on AI Tech to 10% in the next five years if we see 20% to 30% productivity gains, which offset headcount increases."

·CIO, Business Consulting, \$100 - \$250M

"I would think that our spend on generative AI should be a significant percentage of revenue over time. 25% of revenue may be too high, but it will be a significant piece of revenue. Our workflow just begs for this. It's almost like not using Google when Google came out. Yes, it's groundbreaking, but at the end of the day, it's just another tool."

– Partner, Legal Services, \$100 - \$250M

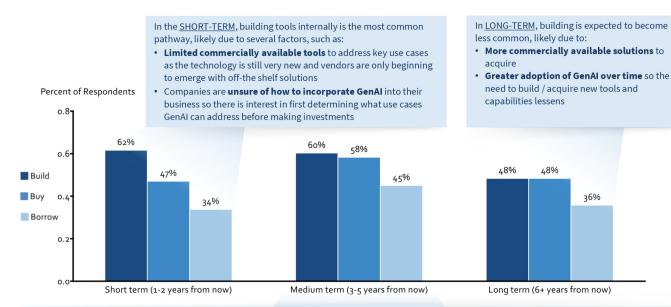


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### Companies expect to explore multiple technology acquisition models to build AI capabilities, with priorities changing over time

#### Allocation of Budget for Al<sup>1</sup>(N=151)

Q: How do you expect your company to allocate its budget for developing AI capabilities? Please select the business/purchase model(s) you will use in each time frame. (Respondents may select multiple options for each time period.)



In the MID-TERM, while interest in building remains comparable to the short-term, there is a higher expectation of buying and borrowing, likely due to:

- Greater knowledge of how to use / incorporate GenAl within business operations, thereby enabling stronger business cases for such purchase decisions
- · More commercially available solutions to acquire

"We are using a third-party vendor to build a model based on generative AI that only really became possible once generative AI came out and building and running the model became cheaper...we also want to use this same third-party vendor to build other GPT models because we are already paying them a lot for storage and they already have data siloed and private. If we already have this paid for, why aren't we creating custom GPTs for knowledge management?"

"There's a few different things we're working on right now. The first is with a six-person vendor who we're partnering with on building a large language model to address a few use cases to see if that would make our analysts more efficient. If we go forward, we're probably looking at a subscription model. The second is we're doing a small scall pilot with Microsoft Copilot. Third, we are building out Azure AI and have one of our data scientists working on integrating an AI bot into Teams and then tie into our Sharepoint database to crawl our prior work to answer

"If you're a small firm, you'll probably use a vendor. If you're a megafirm, you can build in-house. I've gotten a lot of emails and seen many job postings for in-house software teams. What I would like to do as a small-to-medium-sized firm is hire at least one or two programmers. I can get things to a certain stage using the programming knowledge that I have, but to scale that across the firm, we'll need to leverage off-the-shelf software and customize."



### To determine whether GenAI is well-suited for a task, the importance of the task and the degree to which it is structured should be considered

#### Impact of GenAI on Professional Services Tasks

Tasks' degree of standardization / repeatability versus importance

### **Unchanged by GenAl**

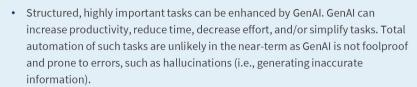
- Tasks in this category are unlikely to be changed by GenAI in the near-future. GenAl is unlikely to be able to automate unstructured tasks – those that have unknown or ill-defined/specified inputs, processes, and output. Additionally, the risks associated with GenAI (e.g., inaccuracies, limited explainability, bias, etc.) are likely not worth any potential benefit.
- Select Examples: Vendor negotiation, interpersonal conflict resolution, legal brief writing, public financial reporting



- While unstructured tasks are generally unlikely to be replaced / enhanced by GenAI, unstructured tasks of low importance may be suitable for workforce experimentation and training given the low consequences of mistakes. Even if GenAI adds limited value, workforce exposure to GenAI may be beneficial in the future as the technology advances.
- Select Examples: Brainstorming, research / learning on new topic



#### **Enhanced by GenAl**



• Select Examples; Excel modeling, deliverable creation, product ideation, proposal generation, knowledge management



#### Replaced by GenAI



- Structured tasks of low importance can be replaced or automated by GenAI if the task is simple and repeatable. Additionally, if tasks are of low importance such that employee time spent on the task has a low ROI and/or occasionally errors are acceptable, GenAI can be effective in replacing human involvement.
- Select Examples: Data entry, email campaigns, meeting notetaking/ transcription, summarization of emails and written reports

LOW

HIGH

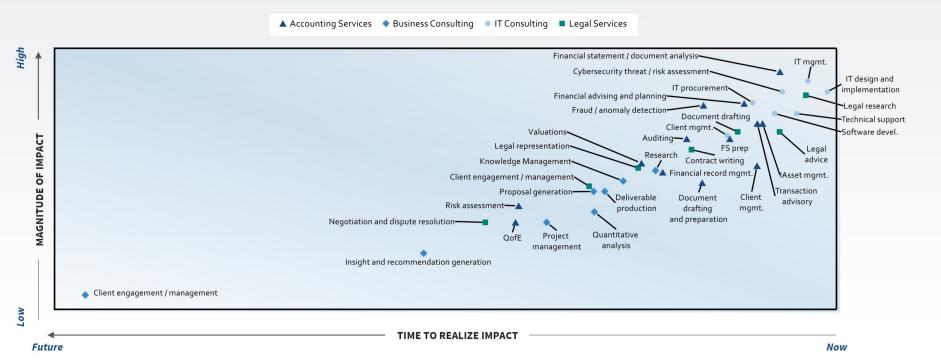






## IT Consulting and Accounting Services expect to realize greater impact at a faster rate from GenAI than Business Consulting and Legal Services

### Impact of GenAI by Industry Task over Time



Methodology: Data was derived from questions asking about the impact of GenAl on tasks specific to the respondent's industry over time. The question asked for each task listed above was "What has been / do you expect will be the impact of generative Al on the performance of each of the following tasks related to your industry?" Respondents were asked to select a response for each of four time periods – today, short-term, medium-term, long-term – with short-term equaling 1-2 years from today, medium-term 3-5 years, and long-term 6+ years. Magnitude of Impact was calculated for each task by summing the percentage of respondents that selected "most employees have adopted a systematic Al-enabled process to increase productivity" and "this task has been entirely automated" in the long term time period. Time to Realize Impact was calculated by interpolating a line based on the data, using 0, 2, 4, 6, as the x-values for the four time periods (with 0 representing today and 6 representing long term). The summation of the percentage of respondents that had selected "most employees have...." and "this task has been..." for each time period was used as the y-values. For each task, the time at which that line crossed 75% was used as the value for Time to Realize Impact.

Source: Professional services firms' survey (N=151)

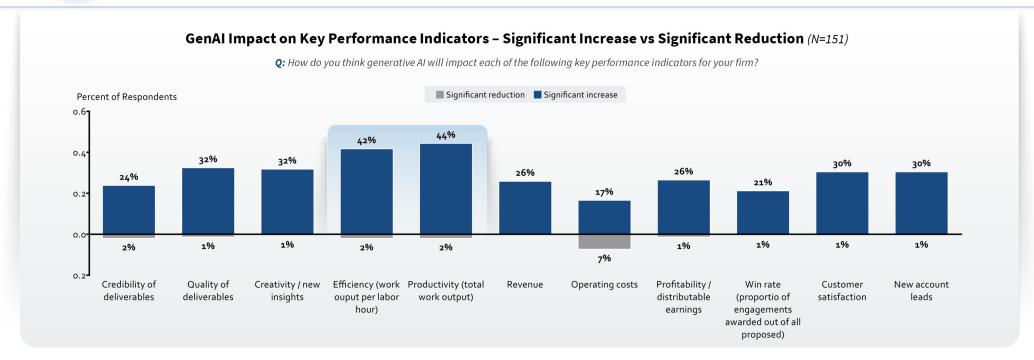


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# Many firms expect significant positive impacts across KPIs from GenAI, with the greatest impact expected in efficiency and productivity



Over 40% of firms expect to see "significant increases" in efficiency and productivity from generative AI adoption. However, efficiency and productivity improvements do not necessarily translate into greater revenue or profits, lower costs, or other improvements in sales & marketing. "Significant increases" in revenue, profits, win rates, customer satisfaction, and new account leads, or "significant reductions" in operating costs, were selected <30%, or 12+ percentage points below the level of improvement seen in efficiency and productivity, indicating that not all efficiency and productivity gains will lead to improvements in other aspects of business operations.





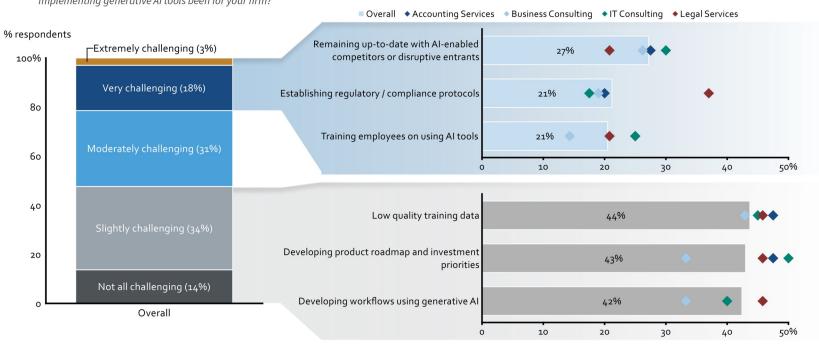


## Nearly 60% of respondents have found that implementing generative Al at their firms is as at least "moderately" challenging

#### **GenAl Implementation Challenges** (N=151)<sup>1</sup>

#### Most and Least Challenging Implementation Aspects (N=151)

**Q:** How challenging has each of the following aspects of implementing generative AI tools been for your firm? **Q:** How challenging has each of the following aspects of implementing generative AI tools been for your firm?



"Beyond data privacy and security, which is our number one barrier, the other barrier we're facing is that in order to get the firm and employees to adopt AI, we need a generative AI policy to tell everyone what they can and can't do."

Partner, Legal Services -\$100 - \$250N

"90% of our consultants have PhDs yet the're clueless about tech. They don't understand the risks associated with generative AI and proprietary data."

> CIO, Business Consulting, \$100M -\$250M



1. As the question originally asked to select all challenging "aspects" that applied, the percentage of respondents that found overall implementation challenging was calculated by looking at the mode of a respondent's answers. In several cases two modes existed so both modes were included in the graph.

Source: Professional services firms' survey (N=151), expert interviews (N=10)



### Firms have a range of GenAI-related concerns (data security, job loss, etc.); Accounting Services firm are the most concerned about the risks / threats of GenAl

#### Concerns about Potential Risks and Threats Associated with GenAl (N=151)

Q: How concerned is your firm about the following potential risks or threats associated with the use of generative AI? (1 = not at all concerned, 5 = extremely concerned)

	Concern le	vels	2.00 – 2	2.49 2.50 - 2.9	3.00 - 3.49	>3.49
Concerns	Accounting Services	Business Consulting	IT Consulting	Legal Services	Other	Total
Privacy / data security	3.60	3.12	3.43	3.08	2.20	3.29
Intellectual / copyright issues	3.23	3.00	3.18	3.00	2.00	3.07
Removal of the "human element"	3.53	2.88	3.00	2.63	2.20	3.02
Bias	3.08	2.98	3.05	2.75	1.80	2.95
Lack of client adoption	3.10	2.79	3.03	3.00	1.60	2.93
Hallucinations / inaccurate information	3.23	3.05	2.88	2.42	2.00	2.91
Costs	2.95	2.76	3.18	2.83	2.00	2.91
Workforce morale	3.25	2.64	3.18	2.54	1.40	2.89
Regulator pushback	2.95	2.76	3.18	2.71	2.20	2.89
Lack of transparency / explainability	3.03	2.95	2.88	2.67	1.40	2.85
Stifling employee development	3.13	2.60	2.95	2.63	1.40	2.79
Disruptive entrants automating solution	3.20	2.60	2.83	2.42	1.40	2.75
Job loss	3.05	2.55	2.90	2.46	2.00	2.74
Other ethical concerns	2.73	2.26	1.98	2.42	1.40	2.30
Total	3.14	2.78	2.97	2.68	1.79	2.87





## Data security and data quality are typically the chief concerns regarding GenAI

Concern Description What We've Heard



Data Security

As generative AI is not only trained on massive datasets but also frequently finetuned and further trained using the data inputted into the system via prompts, any confidential data included in prompts is at risk of being used by GenAI, either by being directly regurgitated as output or influencing the output. Furthermore, If companies do not own their GenAI products and use public cloud storage, that data can possibly be accessible to whomever has access to that cloud.

For example, a Samsung employee copied confidential source code into ChatGPT prompts to check for errors in. That data is now available is now available to OpenAI and ChatGPT for additional training and can influence future outputs.

"I am worried about it stealing information from others without crediting them, or that it makes up information that is entirely incorrect."

- CEO, IT Consulting, \$1B - \$4.9B

"My primary concern is the protection of our proprietary data. If we ever inputted confidential data into ChatGPT, and that was leaked, we would lose our business...I've spoken with peers and, while there was previously a huge uptick in people wanting to use ChatGPT, now they are backing off because of security risks."

- CIO, Business Consulting, \$100 - 250M

"The ethical concerns that I have with the use of AI is the abuse and the potential for fraudulent information to be implemented into the system. This can significantly cause an extensive amount of financial damage to both the businesses and the taxpayers. We need to be absolutely conscientious to safeguard our infrastructure with private security software and hardware to prevent hackers and or criminals from integrating into the business infrastructure"

– CEO, Business Consulting, \$10M - \$49M



Data Quality

Given that generative AI, in many cases, is trained on data created by humans, GenAI is susceptible to the biases held by the people who have created the data on which it is trained. If not appropriately accounted for, GenAI output can repeat these biases, or worse, contribute to the reinforcement of these biases among GenAI users.

Additionally, GenAI has been shown to "hallucinate," or generate false data. In an infamous example, a lawyer used ChatGPT for legal research in support of a legal brief. ChatGPT made up data, including fake cases, fake quotes, and fake citations, and confidently asserted the data was accurate when asked. This falsified information was eventually included in the brief submitted to the judge where the judge identified the fake information. The lawyer was subsequently fined.

"Bias/hallucination is obviously a huge concern in the legal field. We absolutely won't use it for legal research for that purpose. But that's why you always need a human to monitor that. They're getting a little bit better with the models. But I don't think hallucination will ever be resolved so you always need a human. What we should focus on is more finely tuned GPTs."

- Partner, Legal Services , \$100 - \$250M

"I recently explored Leonardi AI's image creation prompts and noticed an intriguing example of bias. When I prompted with terms like "CEO," "CFO," "board of directors," and "C-suite executives in a meeting," the generated images predominantly featured men. However, upon adding "party planner" to the mix, a female image surfaced. These biases are worrisome"

Partner, Business Consulting, \$25B-

"We've done some tests around ChatGPT. For example, tell me what are the top ten pharma manufacturers for this disease state. And some of the companies on the list ChatGPT provided weren't real!"

CIO, Business Consulting, \$100 - 250N



Source: Professional services firms' survey (N=151), expert interviews (N=10), Mashable, New York Times

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### While financial costs and human costs may not be the top concerns today, they can have the most wide-ranging, unpredictable impact

**Description** What We've Heard Concern



**Financial costs** 

While the costs of acquiring a generative AI tool may be welldefined, the costs associated with operating and maintaining the tool are often highly variable and dependent on usage.

GenAl models require extensive computing power and energy to operate, in addition to substantial storage capacity due to all the data required to effectively train the model.

These costs may significantly offset, and possibly even exceed, the benefits (e.g., productivity gains) of using the tool, leading to marginal or negative returns on investment.

"Costs are a huge issue with these systems. Price tag was low six digits for building a model. While the ROI might be positive for building the model, there are other added costs to consider. You to set this up on AWS, monthly fees for stage, calculation costs to use the model. That's a big barrier."

"I'm interested to see how costly it will be to use these tools. It may not actually be cost effective. A lot of leaders need haven't thought about the costs of these tools. A vendor that we are talking to estimates the annual costs to be \$100-\$200K, but I know people that have tested Azure AI and it cost \$20K a month. For a \$200M company with \$6M in IT budget, it's hard to justify that cost unless it's making us 20-30%, not only 5-10% more efficient....I think everyone is still in the discovery phase and trying to understand what generative AI will do for them, but haven't thought about the cost. People need to start thinking about the ROI if they're going to spend money on it." - IT Consulting

- CIO, Business Consulting, \$100 - 250M



Many respondents are concerned about the automation generative AI can offer and the potential job loss that may follow. If the technology can live up to the hype, significantly increasing productivity and efficiency, firms will likely require fewer employees to achieve revenue goals.

Even if job loss is limited, many are concerned about how to determine the appropriate balance between human-led and Al-driven work, and the consequences of relying too heavily on AI (e.g., lowering workforce morale, reducing output quality).

"Automation and job loss due to AI implementation might create ethical issues around AI taking away jobs." - Consultant, Accounting Services, \$500M - \$999M

"I do think this will affect employee headcount and replacement. But only to a certain extent. Because you always need a human to work with AI. It will replace the people that don't know how to use AI. It will not replace someone who knows how to work with AI. There are three buckets of tasks - you can absolutely replace a human, you need a mix with AI, and you absolutely cannot."

"Finding a balance between AI generation and human interaction and thought will be critical."





## Given Pointe's findings, PE sponsors should develop comfort across six key questions for their professional services theses and investments

How can generative AI improve my portfolio companies and/or targets today (e.g., productivity, efficiency, etc.)? In the future?

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Generative AI can address many use cases, but strategic planning is necessary to determine which use cases are most relevant to prioritize, over what time period benefits can expect to be realized, and where the greatest ROI can likely be achieved.

What implementation challenges can I expect in adopting generative AI? How can I plan to address them proactively?

As many professional services companies are experiencing common implementation challenges incorporating generative AI, the expectation should be that some of these challenges will apply to every company and will need to be addressed at some point.

How are my peers implementing generative AI? How is my industry evolving in response to this new technology?

Adoption of this new technology is likely to lead to new business models, products, and services. Thus, keeping up to date on the latest changes will be necessary to avoid losing market share and being placed at competitive disadvantage.

What investments do I need to realize these improvements?
How will I need to adjust these investments over time?

Many pathways exist to acquiring and implementing generative Al and these pathways are likely to evolve as the technology improves and becomes more widely adopted. Moreover, total cost (including operating costs) must be considered.

How can I mitigate concerns and risks associated with generative AI?

Some risks associated with generative AI can have significant tangible, adverse impacts (e.g., data leakages, incorporating false data into services) on businesses if realized and actions will likely need to be taken to prevent or reduce the likelihood of occurrence.

How do I maintain pace with my competitors in incorporating generative AI and the latest technological developments?

Companies that incorporate generative AI into their businesses well are likely to gain competitive advantages over their peers. Ensuring that companies do not fall behind their peers in leveraging this new technology will become critical.





### Still have questions? We can help!

Your authors have been involved in numerous professional services firm deals and have a combined nearly 100 years of experience in the space



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