

Wealth and asset management

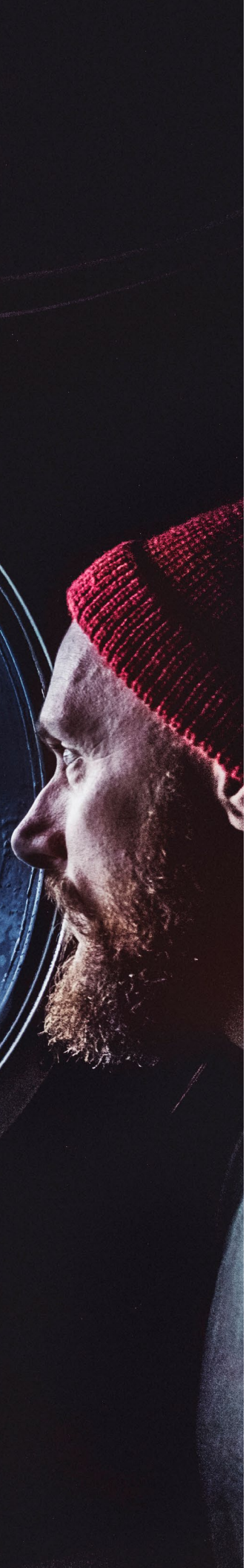
Fraud insights point of view

Results and insights
October 2022

Building a better working world

Background

In July 2022, Ernst & Young LLP (EY US) conducted the first wealth and asset management fraud insights point of view exercise to understand the challenges facing our clients and the approaches taken to combat the spike of fraudulent activity currently being experienced. This includes managing staffing needs, identifying technology solutions and innovative fraud investigation management. The following pages summarize the EY US insights, including key takeaways, market themes and emerging trends.



Key themes identified

- New account fraud (NAF) and account takeover (ATO) continue to be the two most prominent fraud concerns for firms. A vast majority of the respondents noted both ATO and NAF are in the top three fraud risks for their organization.
- Teams have seen an influx in fraud volume and a steady increase in average fraud losses over the past three years.
- Many firms ask their existing fraud response teams to manage spikes in fraud volumes. These spikes in volume can put a strain on the existing fraud framework and leave firms vulnerable to large-scale attacks. Over the past three years, some firms have experienced as much as a 500% increase in annual fraud loss from year to year due to large-scale events.
- Some firms have false-positive rates of over 97%, showing fraud teams are potentially inundated with unnecessary alert volumes. As a result, firms have an opportunity to tighten fraud alert intake channels appropriately.
- Firms have a large variety of detective controls used to identify potential fraud red flags; however, they do not have an equally substantial preventative control framework currently in place.
- A majority of firms are utilizing an in-house case management tool, some of which reflect limited functionality, like an inability to report on key metrics accurately. Many tools are also not being leveraged universally throughout the organization, indicating potential inefficiencies between related business lines.
- Firms have expressed concern over their ability to prepare and respond to insider threats. The reporting structure, roles and responsibilities of insider threat programs vary throughout the industry, leading to uncertainty about leading practices.

The future of fraud

EY US point of view

Based on our conversations with wealth and asset management firms and the current market trends we observed, we suggest the areas below will become a key focus as firms look to continue enhancing their existing fraud framework.

Firms are making investments to enhance their existing fraud infrastructure and preventative control framework, further integrating machine learning, automated alert generation and behavioral analytics to better inhibit bad actors from gaining access to their network. Specifically, machine learning and behavioral analytics will assist in identifying fraudulent patterns, for which agile preventative controls can be developed and adjusted to fit the most current fraud trends observed.

A comprehensive and integrated insider threat program will be necessary to protect against potential exposure and future vulnerabilities. Firms are assessing their existing insider threat framework maturity and determining if the program is fully integrated into the enterprise risk management strategy. In addition, insider threat programs are being designed to proactively detect insider threat activities with risk indicators in place to focus on higher-risk employees (e.g., those with access to confidential information, or low-performance indicators).

Social media and dark web investigations will become widespread and commonplace across the industry. Firms will continue to heavily leverage a combination of third-party vendor tools and in-house resources as effective resources to identify when and where bad actors have identified vulnerabilities and where they are coordinating future attacks.

Providing additional fraud training and raising awareness will further bolster a firm's preventative framework and assist in combating fraud. Enhancing education for customers and employees on how to spot fraud red flags internally and externally, how to defend themselves against bad actors and where to go if they identify potential fraud can create operational efficiencies for the business and help optimize manual alert intake channels.



Key takeaways

As bad actors continue to find new and complex ways to share customer information and gain unauthorized access to customer accounts, **firms must take a look at the current standing of their fraud program, assessing the ways they identify internal and external threats and the controls in place to prevent fraud.** Wealth and asset management firms have made and continue to make a substantial investment in their people and technology to bolster their fraud framework against the recent increases in fraud observed. Firms must continue to work toward a mature and robust fraud program, including a **strong preventative control framework, a defined insider threat program and optimized intake channels to operate effectively and efficiently.**

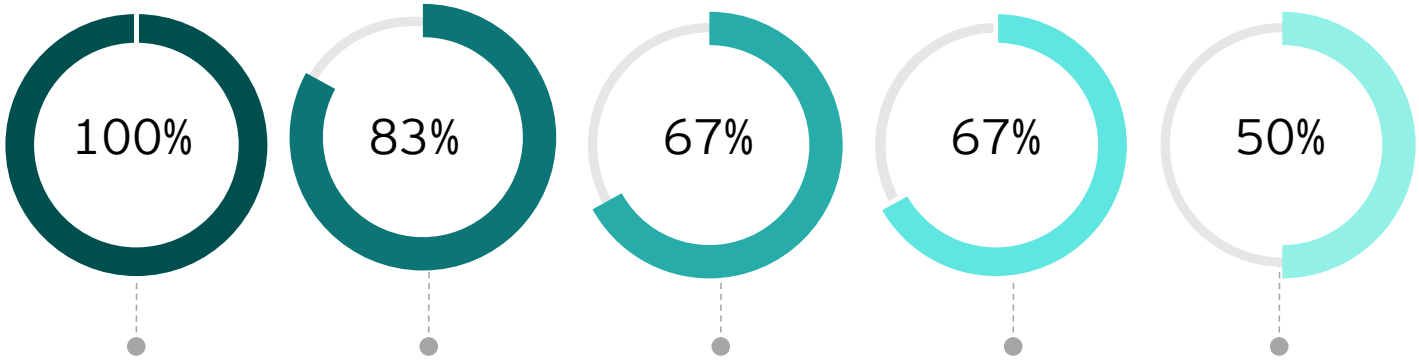
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Insider threat teams

The management of insider threat programs was a topic of interest for many firms trying to navigate program enhancements. The responsibility over the insider threat program can vary significantly throughout the industry. For example, **50% of firms have their fraud response teams handle insider threats,** while the other 50% handle insider threats outside of the fraud team. Teams responsible for insider threat programs include global security investigations, financial crimes compliance and general counsel.

Regardless of where the insider threat program is managed, firms are leveraging similar tools, **focusing on efficient processes, preventative technology and effective intake channels.** Compliance and whistle-blower hotlines, anonymous web referrals and internal alerts are the most common intake channels leveraged to identify insider threat allegations.

Below you can see the percentage of respondents that currently receive tips from the most commonly leveraged insider threat intake channels.



Compliance/ whistle-blower hotline

Anonymous web referral/internal alert

Human resources

Regulatory inquiries

Law enforcement





When monitoring for insider threats, programs should include important aspects such as identification of high-risk employees with access to intellectual property and customer information, employees on performance improvement plans, and employees traveling to high-risk jurisdictions.

2

Insider threat technology

Monitoring internal threats is critical to the timely detection of bad actors. **Insider threat risks exist when employees, contractors or business partners have authorized access to an organization's network system, data and premises, leaving a firm's critical assets exposed.** Internal threats can lead to monetary and reputational harm. 67% of respondents are using tools to proactively monitor for internal threats.

Firms that proactively monitor for internal threats use a combination of internal and external tools to conduct pattern-based analysis and behavior analytics to detect suspicious or abnormal behavior. These algorithms tend to be reviewed and recalibrated periodically as a result of confirmed insider threats or near misses.

25%

of respondents leverage only internal monitoring tools

75%

of respondents leverage both internal and external monitoring tools

3

Technology capabilities

Data analytics has proven to be crucial in preventing and detecting fraud. Firms are leveraging various data analytics tools, including **automated red flags and business rules, exception reporting and behavioral analytics.** These tools are especially useful when helping firms combat bot activity and dormant accounts. As bot activity can strike quickly and in high volumes, firms heavily leverage behavioral analytics, like tracking the number of open web sessions and implementing session timeout restrictions to detect and prevent bot activity early.

Dormant accounts present a different problem as they can be idle for extended periods and begin transacting with no prior account history to evaluate them against. Firms are generating reports and conducting retroactive analysis to identify inactive accounts; however, generally, they are looking to focus their efforts on more proactive measures in the future state.

Useful tactics leveraged to combat common fraud risks

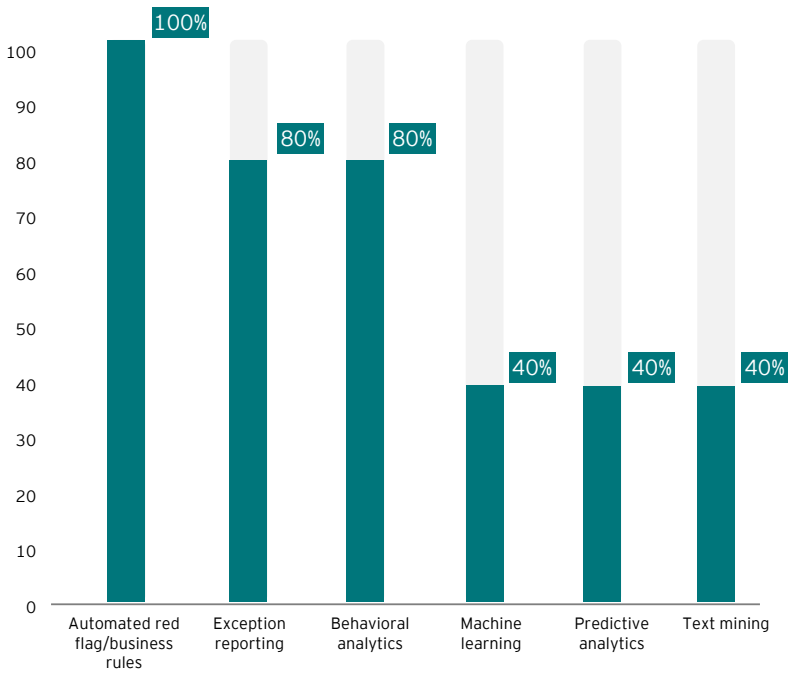
Address dormant accounts

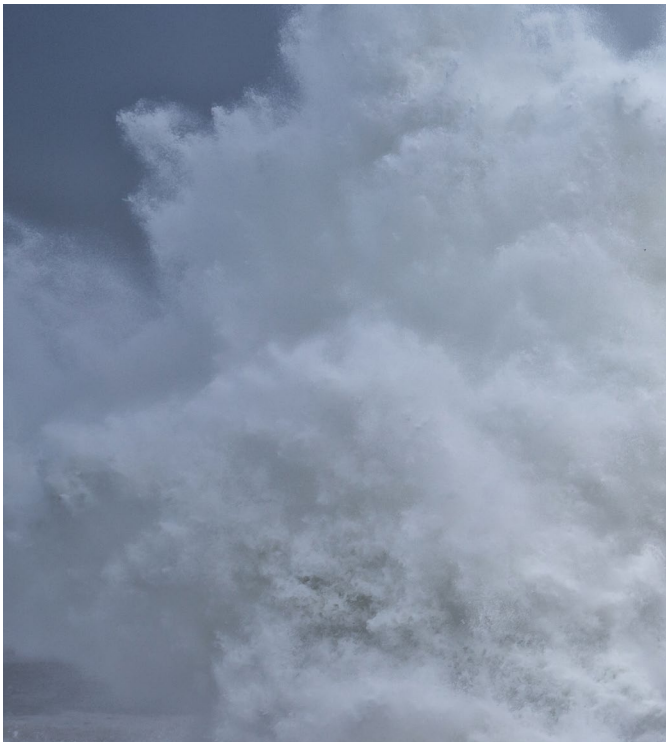
- Freeze or block accounts after a specified number of months of inactivity
- Run reports and/or conduct retroactive analysis
- Generate alerts for unexpected account activity

Prevent bot attacks

- Behavioral analytics
- Session timeout if multiple open sessions detected
- Third-party vendors to distinguish between human and automated access to websites

Percentage of respondents leveraging key data analytics tools

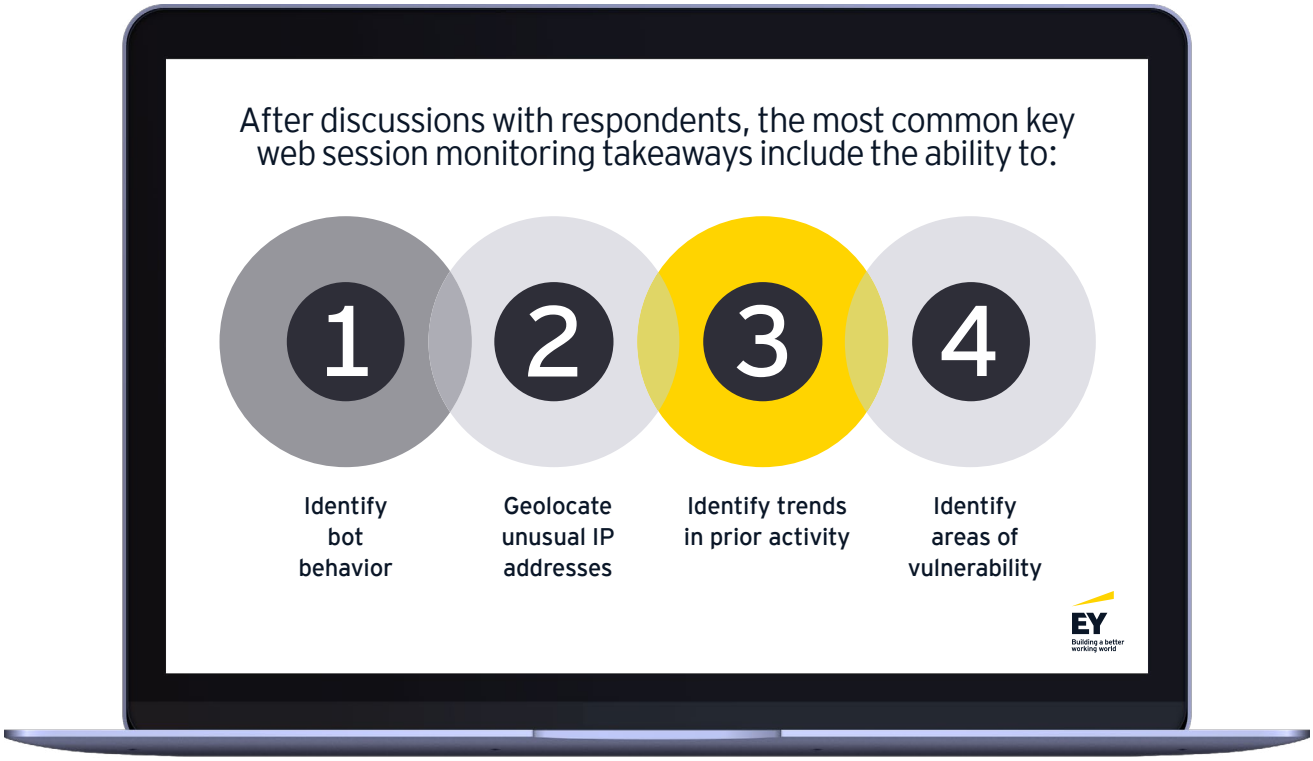




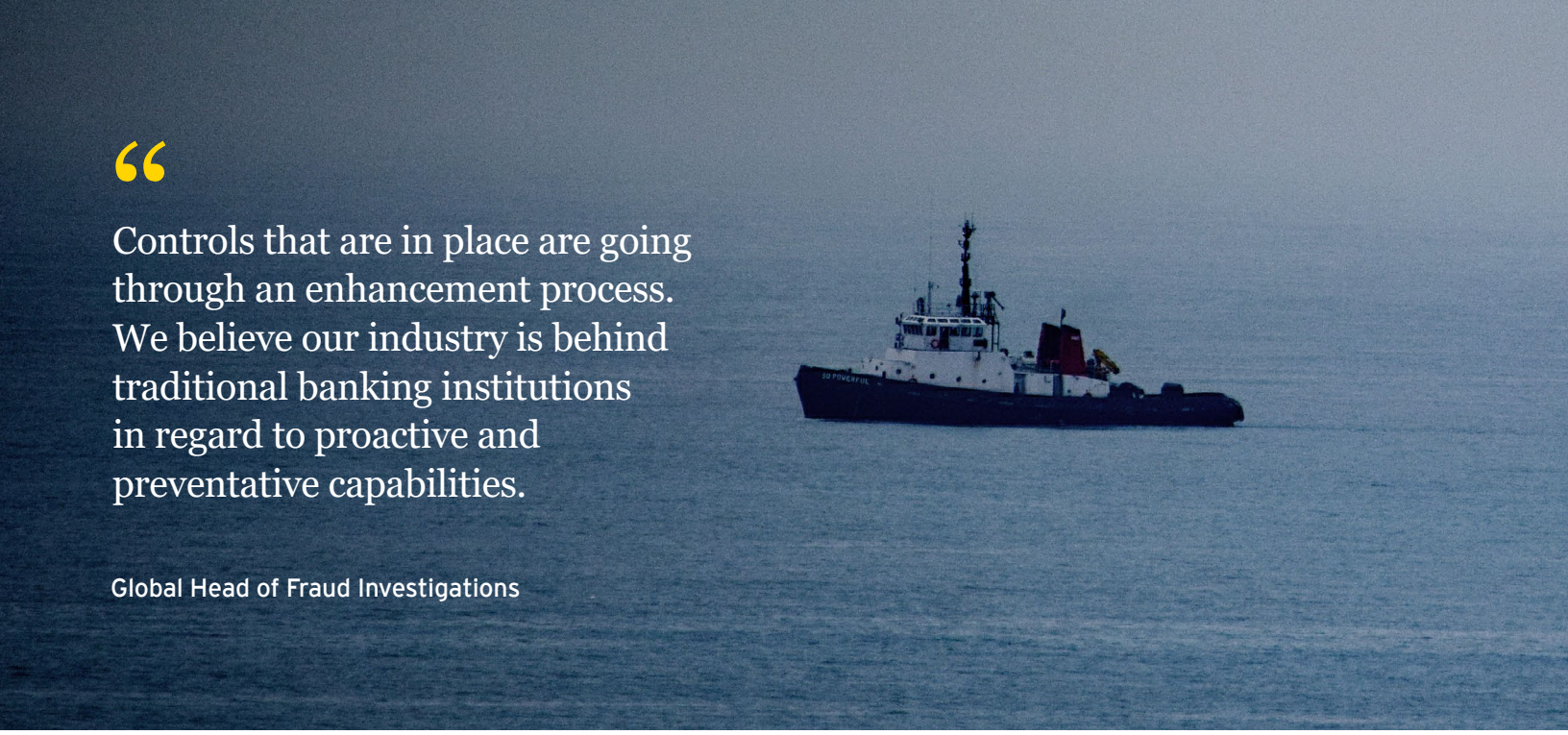
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Web session monitoring

Firms have expressed how **web session monitoring is essential in the effort to identify fraud trends and help build a sustainable preventative control framework.** Once a fraud pattern or trend has been identified in the network, teams can perform a deep dive into the activity, determining where accounts are being opened from, tracking fraudsters' keystrokes and monitoring their web behavior.



Web session monitoring not only allows the business to understand the scope of the fraud attacks occurring, but also allows the business to set up preventative controls to block future activity of identified fraudulent patterns.

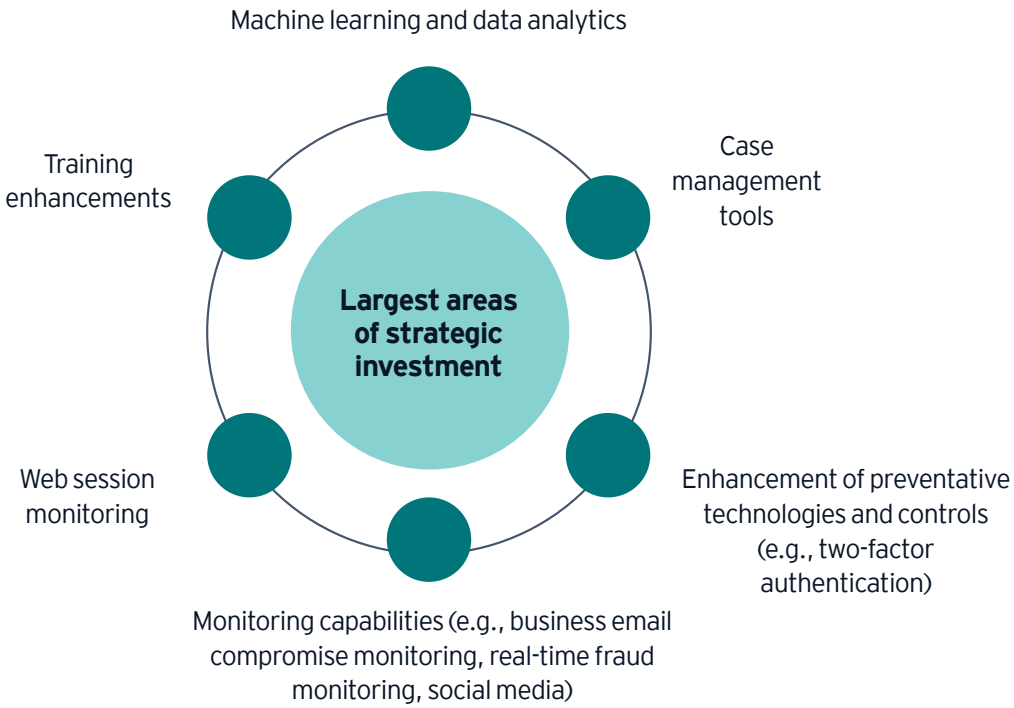


> Controls that are in place are going through an enhancement process. We believe our industry is behind traditional banking institutions in regard to proactive and preventative capabilities.
>
> Global Head of Fraud Investigations

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Strategic initiatives

Most firms expressed they have the authority and budget to invest in new hires and technology. In addition, all firms expressed their focus and investment in technology in the future state, including modernization efforts, as well as enhancements to the existing controls framework. Key areas of technological investment include case management tools, social media scrubbing, web session monitoring and two-factor authentication.





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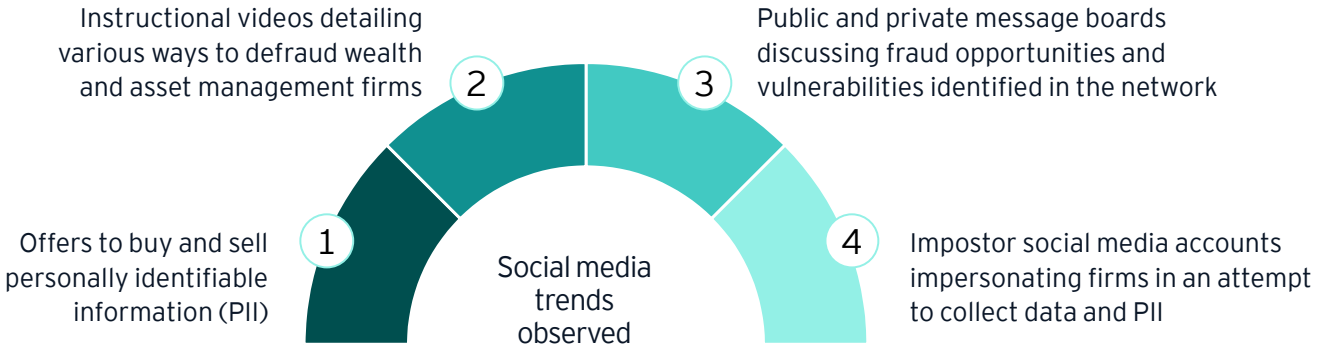
Social media searches

A vast majority of the firms currently employ some form of social media or dark web searches. These searches are a useful tool that helps identify online discussion boards created to share customer information and preferred methods for infiltrating industry networks.

By performing these searches, firms have identified bad actors attempting to infiltrate their networks and sell customers' personal information. **Once fraud trends are identified, preventative controls are put in place before the organization's business operations can be targeted.**

Firms have also been sharing information to shed light on these schemes and prevent these schemes and fraudsters from gaining any traction throughout the industry.

Firms work with law enforcement and site administrators to pursue legal action and remove postings that target the organization.

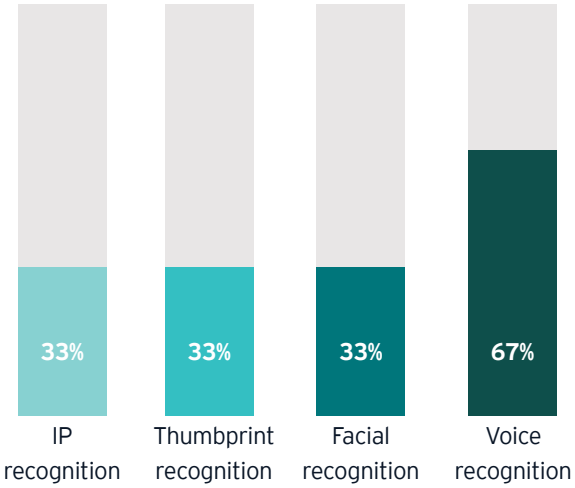


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Enhanced authentication

Only 50% of firms are currently using biometrics or device metrics as an authentication criteria when using their networks. Preventative controls such as facial, thumbprint, voice and IP recognition are all valuable tools that help protect firms and their customers from unauthorized access to their profiles. Many firms are utilizing third-party validation tools to combat synthetic identity fraud.

Percentage of respondents leveraging most common authentication methods



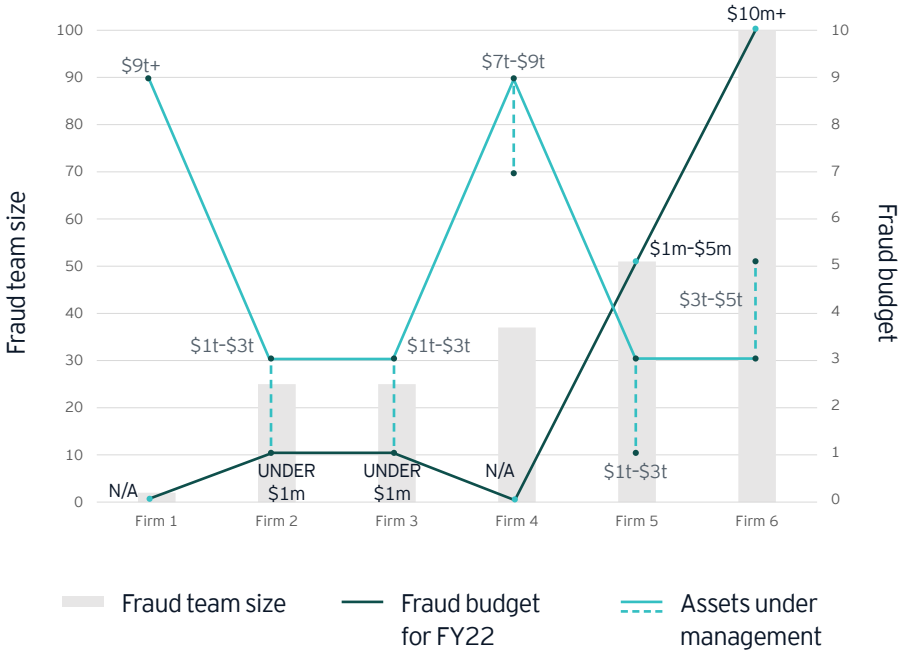
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Fraud departments

Fraud departments sit within various pillars throughout the polled wealth and asset management organizations. Fraud is a stand-alone pillar within some businesses, while others house their fraud departments within risk, legal, compliance or operations. A majority of fraud departments sit as a second line of defense. Additionally, 50% of fraud response teams consist of over 35 professionals, some as large as 100 employees.

The chart below reflects the differences between the size of the fraud response team, the assets under management and the fraud budget for fiscal year 2022 for a sample of wealth and asset management firms. In general, there is an increase in the team size and budget as assets under management increase; however data reflects some inconsistency throughout the industry.

Fraud department overview



> Proactive technology spending and hiring are tough sells in the current environment. The team is not adverse to these changes, but it can be difficult to accomplish currently.
>
> Global Head of Cyber and Fraud Prevention

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Leading fraud concerns

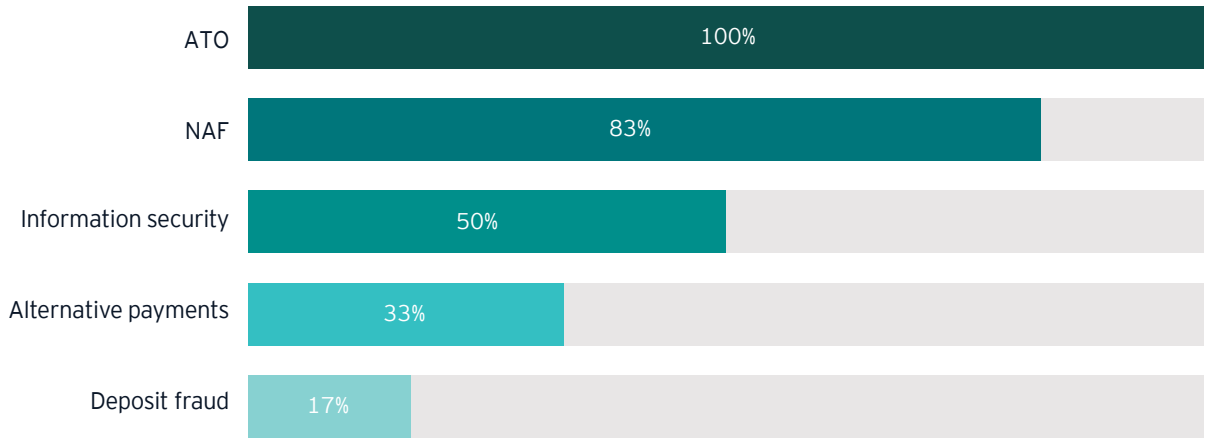
ATO and NAF are the leading fraud risks facing wealth and asset management firms. Other leading concerns include data breaches, email compromise and information security. Alternative payment methods, cryptocurrency transactions and digital payments also remain at the forefront for many firms.

83%

expressed that ATO presents a larger threat of monetary loss to the organization compared to NAF

Between ATO and NAF, **a vast majority of firms expressed that ATO presents a larger threat to the organization.** Typically, firms saw higher volumes of NAF however these fraud incidents average lower net losses per event. Meanwhile, lower volumes of ATO average a much higher net loss per event, as reflected in these insights. Many firms express ATO as their highest loss category.

The chart below reflects the percentage of respondents who expressed concerns about fraud and leading fraud concerns for their organization



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Fraud losses

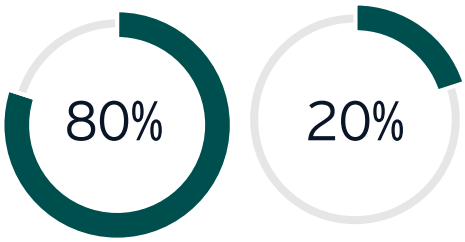
60% of firms are currently experiencing an average loss of $1,000 or less, while 40% of firms are averaging a net loss over $5,000 per fraud event. In addition, most firms have seen a spike in fraud since fiscal year 2019. In fiscal year 2019, all firms reported total fraud losses under $10m. Some firms experienced spikes in fraud to over $20m in fiscal year 2020 and $15m to $20m in fiscal year 2022.

60% of firms
are currently experiencing an average loss of $1,000 or less

40% of firms
are averaging a net loss over $5,000 per fraud event



Annual fraud losses for FY19



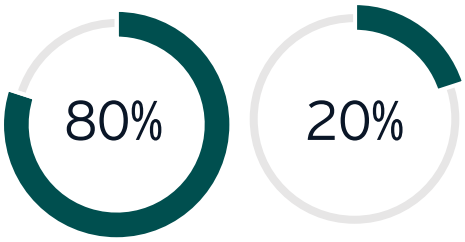
Under $5m $5m-$10m

Annual fraud losses for FY20



Under $5m $10m-$15m $20m+

Annual fraud losses for FY21



Under $5m $15m-$20m





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False-positive rates

Firms responded with a range of alert false-positive rates. While some reported a false-positive rate below 85%, **others reported rates of 98% and above.**

Firms should regularly assess manual and automated alert channels to determine if intake is operating as intended. If manual intake channels are producing high volumes, customer education and employee training should be provided to help individuals more effectively identify fraud, which can reduce manual intake volumes.

Lowering the volume of manual false-positive alerts reviewed can remove inefficiencies and alleviate the strain placed on the fraud response team and business operations.

As shown in the graph below, only 25% of respondents fall between the recommended range for false-positive rates of 94% to 97%.





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Training and education

All firms are leveraging some combination of internal training programs, third-party web-based learnings and industry conferences to keep employees educated about relevant and current fraud trends in the market. **Only a few firms highlighted relevant fraud associations and related certifications as a leveraged educational tool.** These certifications and events can be a powerful tool to help keep key stakeholders abreast of the most current fraud trends and information being shared throughout the industry.

> As discussed earlier, firms have an opportunity to focus on training and education for employees and customers alike, as this can help fine-tune the incoming manual fraud alerts and alleviate some of the volume from the business.

Percentage of respondents leveraging top training tools



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