

Agenda Items

- 1. Fraud and Scam Trends
 - Ransomware
 - P2P / Bank Impersonation
 - ABA Scam Mitigation Efforts
- 2. Check Fraud
 - Trends
 - Mitigation Measures
- 3. Al in Fraud and Mitigation Strategies

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2024 Verizon Breach Report



- All Industries
 - 68% of all breaches involve human element (down 6% from 2023)
 - 65% are external actors (but internal actors are rising)
 - 28% of breaches involved errors and 15% of breaches involved a 3rd party
 - Most popular methods used by external actors: stolen credentials, phishing, exploit vulnerabilities
 - About 1/3 of all breaches involved ransomware or some other extortion technique.
 - Over 90% of attacks observed last year were financially motivated
 - Espionage as a motive increased from 5% to 7%

Report: https://www.verizon.com/business/resources/reports/dbir/2024/summary-of-findings/. Verizon has been producing these reports since 2010.

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IBM "Cost of a Data Breach Report 2024"



- \$4.9 million average (10% increase from previous year)
- Average breach took 169 days to identify and another 58 days to contain
- Healthcare sector saw the highest costs from breaches, averaging \$9.8 million per incident, followed by financial services at \$6.1 million
- 17 of the breached organizations surveyed suffered what IBM classified as a "mega breach" involving 1 million+ records
- Of the breached organizations surveyed, 63% said they plan to increase their security spending, up from 51% the previous year
- Organizations that worked with law enforcement spent **on avg. \$1 million less**, not including any ransom paid

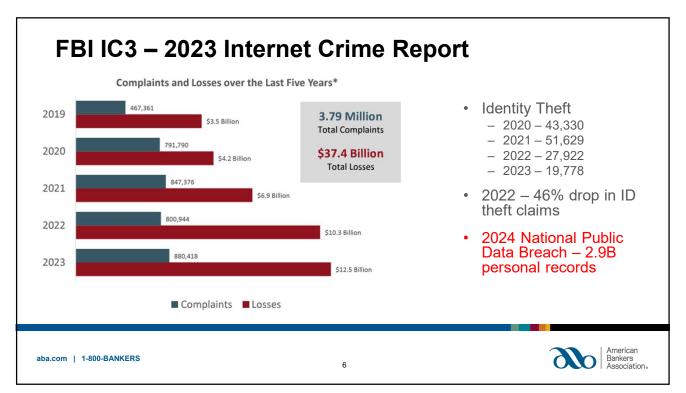
Source: Cost of a data breach 2024 | IBM and based on research conducted by Ponemon Institute and survey of 604 organizations across 17 different industries and 16 countries or regions that suffered data breaches between March 2023 and February 2024

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5



5



FinCEN Jan 2024 Financial Trend Analysis

Figure 2. Top Typologies Reported, January to December 2021³⁶

Typology	Number of BSA reports	Total Suspicious Amounts
General Fraud	1.2 million	\$149 billion
False Records	~423,000	\$45 billion
Identity Theft	~222,000	\$36 billion
Third-Party Money Laundering	-154,000	\$18 billion
Circumventing Standards	-110,000	\$12 billion
Total	2.1 million	\$260 billion

- Some of the best estimates of total fraud can come from SARs
- TOTAL Identity Related SARS Filed \$351 Billion
- FTC estimates 2023 could be as high as \$158 Billion

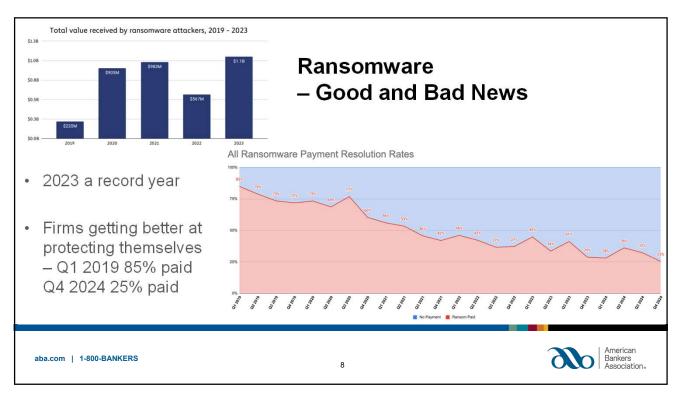
https://www.fincen.gov/sites/default/files/shared/FTA_Identity_Final508.pdf

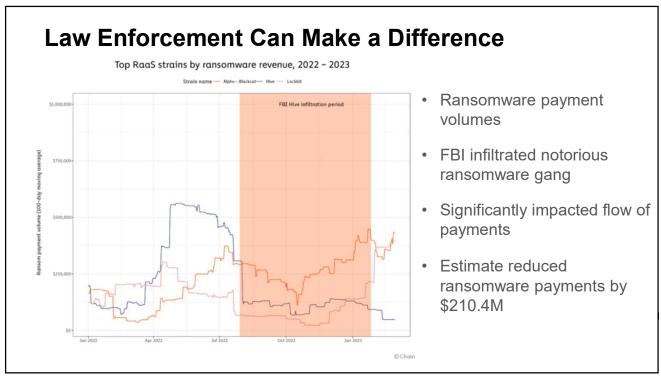
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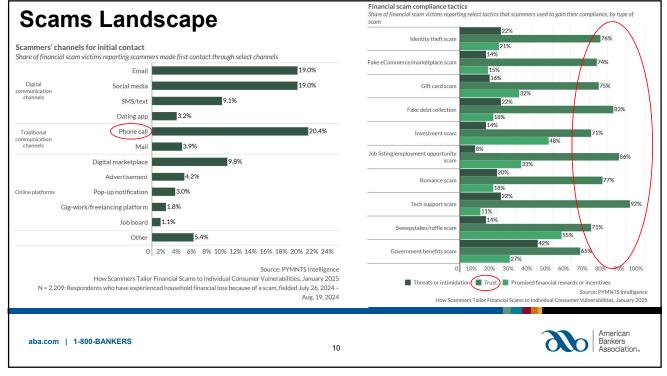
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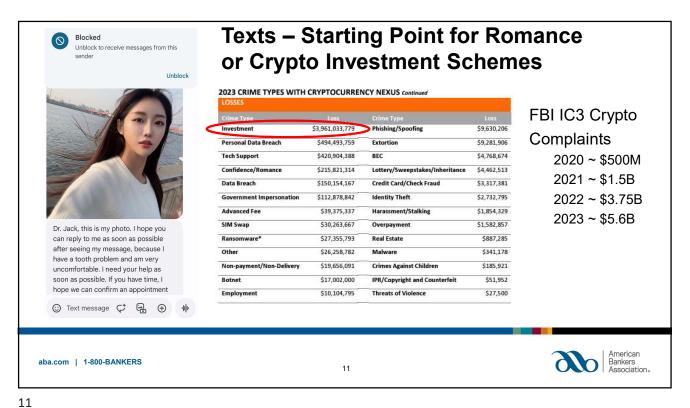


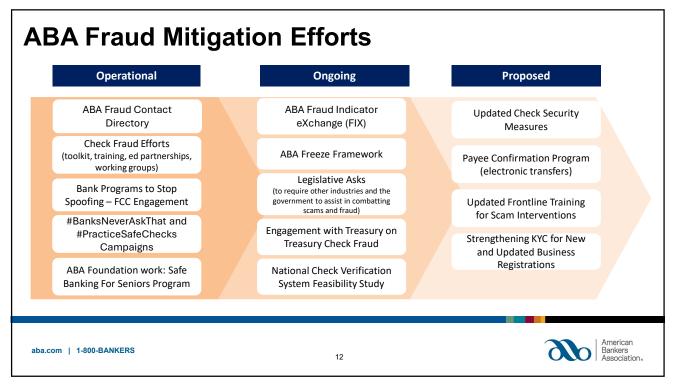
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Mitigation Efforts – Updated Messaging

- Scams and fraud are a huge problem
- Banks do more than any industry to protect their customers but can't do it by themselves
- Tell people don't send money to people you don't know and trust but by the time they're making that payment they believe they know and trust who talking too
- Need to focus on scam prevention
- Shared responsibility
- Telecoms and social media companies are enabling the scammers and profiting from the scam ecosystem

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13



13

Mitigation Efforts - Our Asks

- Establish a White House Office of Fraud and Scam Prevention
 - Develop a National Strategy to prevent fraud
 - Don't want it in Treasury because makes it appear that it's a bank problem to solve
 - Modeled after Office National Cyber Director no regulatory authority
- FCC increase enforcement and establish database of customer reported spam texts
 - Lobbying on current rule focused on email to text and blocking at originating
 - Sending a letter asking for establishment of spam text database
 - Focus on enforcement of spoofed caller IDs
 - Develop SLA for takedown requests of bad numbers and social media profiles
- Bring state and local law enforcement to the fight and improve prosecution rates
 - Replicate TX FCIC model
 - Work with the National White Collar Crime Center to develop templates to prosecute cases

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Operational Mitigation - Fraud Contact Directory

- · Nearly half of all banks participating in the Directory
- Adding credit unions to the Directory planned April
 - Budget approved and developing technical solution
 - Finalizing validation procedures
 - Validation procedures will determine extent of participation
- Developing "Freeze Framework"
 - Standardized procedures around requests to freeze/hold funds from fraudulent transfer
 - Establishment of Universal Indemnity document
 - Several legal and compliance issues must be addressed

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15



15

Ongoing Fraud Mitigation Efforts

- ABA Fraud Indicator Exchange
 - Prevent the flow of funds to criminals
 - Performing proof of concept historical analysis
 - Deployment planned for first part of next year
- #BanksNeverAskThat campaign and #PracticeSafeChecks
 - Nearly 2000 banks participating
 - Media efforts reached nearly 4 Million in TV and 12 Million for radio
 - Additional resources for holiday season
- Enhance international partnerships

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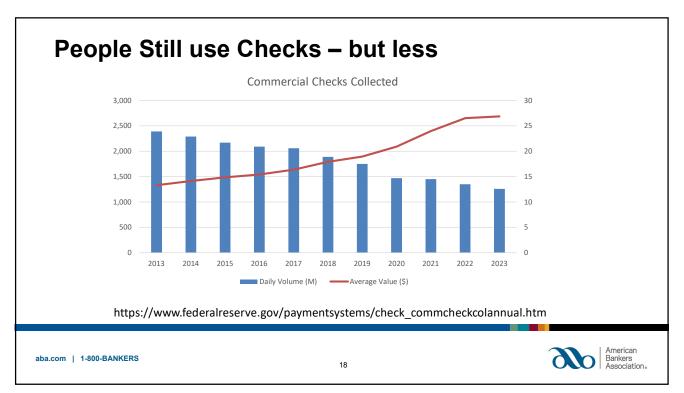
Check Fraud

- Check fraud accounted for 66% of payment fraud, followed by 37% for ACH debit fraud.
- FinCEN Sep 2024 Check Fraud Analysis Claim Type.
 - 44 percent were altered and then deposited
 - 26 percent were used as templates to create counterfeit checks
 - 20 percent were fraudulently signed and deposited
- \$688 Million in Check Fraud SARs over Six Months
- The primary source of check fraud is the United States Postal System, compromised by fraud gangs and their theft of Arrow Keys.

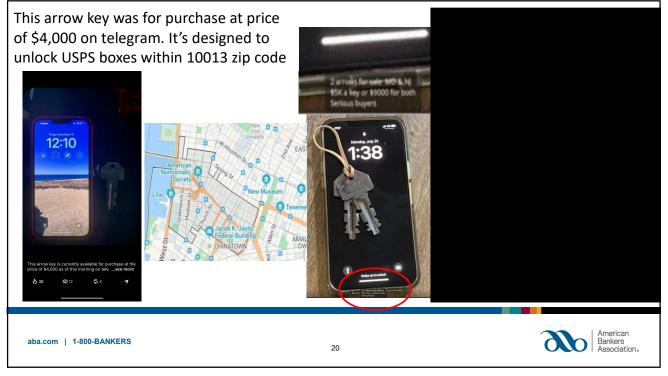


17

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Mail Theft At-A-Glance

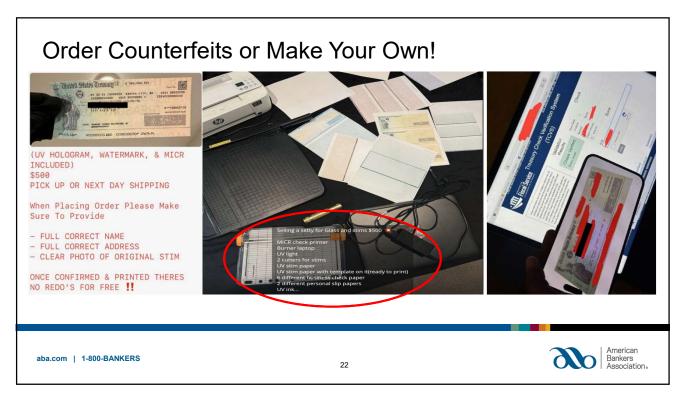
- Agency priority for USPIS, in partnership with USPS
- Motivated by financial gain
- Investigations are resource intensive and present many challenges
 - Minimum Exposure and Loss Thresholds for Federal Prosecution
 - Cyber-enabled with national reach
- There are 139,868 blue collection boxes
- USPIS relies heavily on law enforcement agency partnerships and cooperation from financial institutions







21



Messaging: Protecting Customers and Banks Customer messaging Mutual - Minimize use of checks PAYTO THE Elijah Bernard Jackson Move toward electronic payments/payroll Do not use blue mailboxes Watch accounts closely #0000062# #274970259# 0411431742# Banks - Require use of positive pay or have customer sign indemnification agreement - Ask core to review check fraud capabilities - Relook funds availability for all channels - Review all check transactions the day they arrive - Ensure staff is trained on all tools (collections) RDC checks not subject to Reg CC hold times!

23

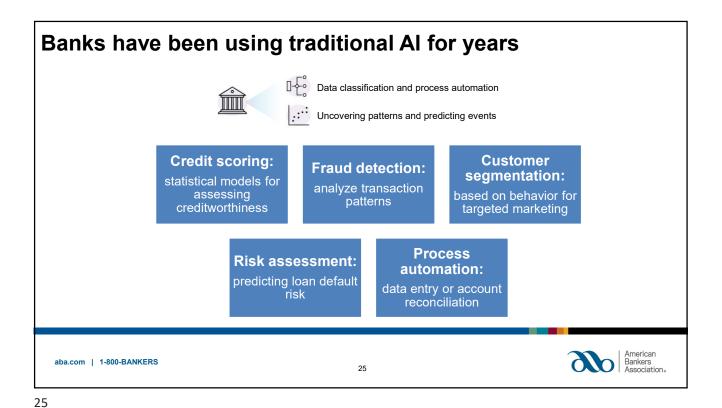
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Check Fraud Mitigation Efforts - Industry

- Payee confirmation for Treasury checks
 - Only through API now banks onboarding now
 - ABA exploring ability to host API interface for banks
- Performing National Check Verification System Feasibility Study
 - Basically TCVS for commercial and consumer checks
 - Build vendor agnostic framework
 - First meeting in March and final report released at ABA Financial Crimes Conference
- ABA Resources
 - ABA Fraud Contact Directory
 - ABA Check Fraud Toolkit and Frontline Course
 - ABA Check Fraud Product Assessment

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There are risks to banks using GenAl

While AI has the potential to revolutionize banking, its misuse can lead to serious problems.

Data privacy

11% of data employees paste into ChatGPT is confidential

Misinterpretation of complex queries leading to incorrect advice

Example: "An Al assistant recommended high-risk investments to conservative clients due to misinterpreting risk tolerance questions."

Generation of biased content

Example: "An Al-generated marketing campaign unintentionally used language that excluded certain demographic groups."

Overestimation of AI capabilities leading to underdeveloped products

Example: "A new Al-driven loan approval system failed to account for important human factors, leading to unfair rejections."

Accuracy and hallucination

6

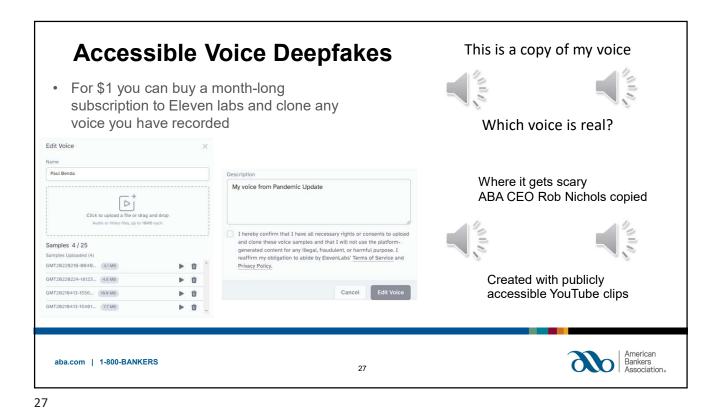
Example: "The branch is open 24 hours, days per week."

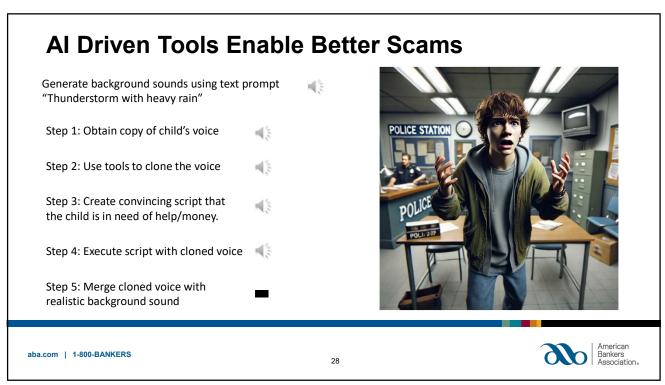
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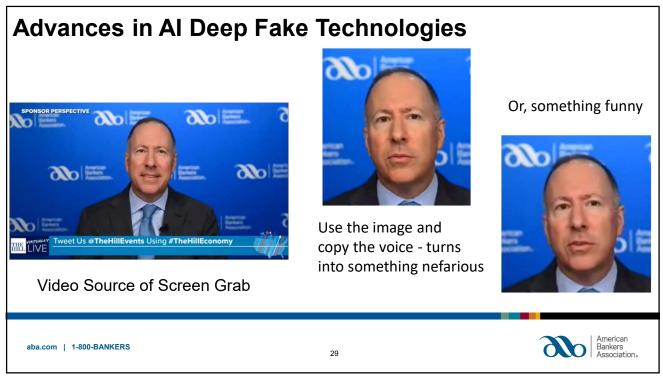
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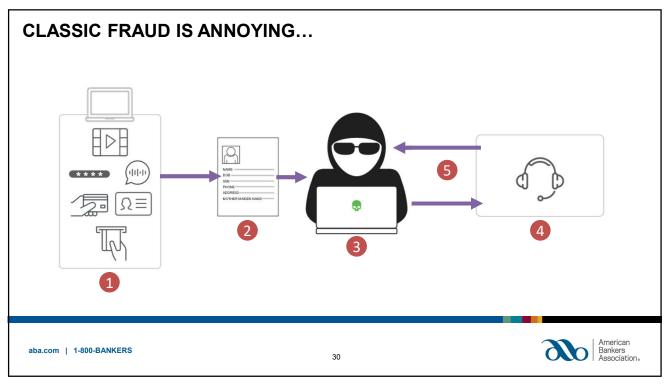
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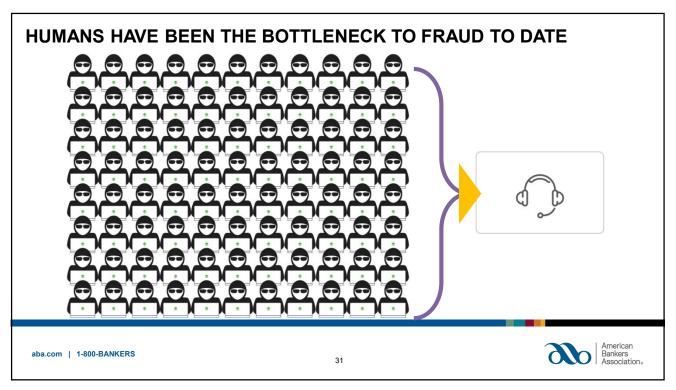
Source: Cyberhaven, https://www.cyberhaven.com/blog/4-2-of-workers-have-pasted-company-data-into-chatg

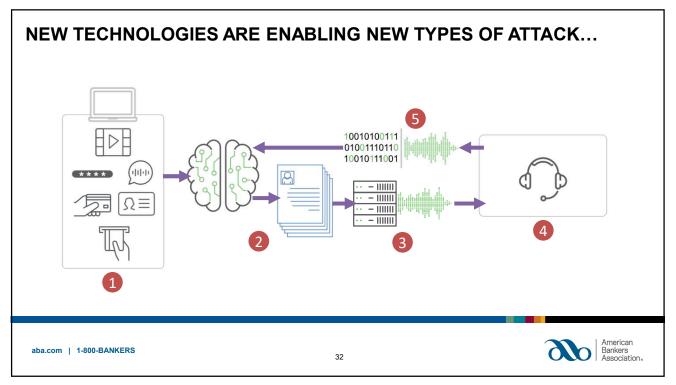


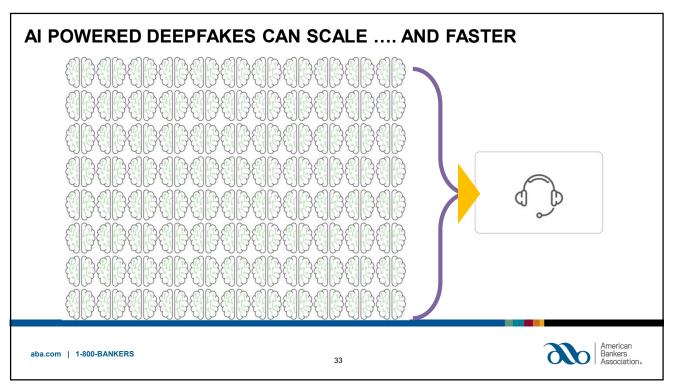


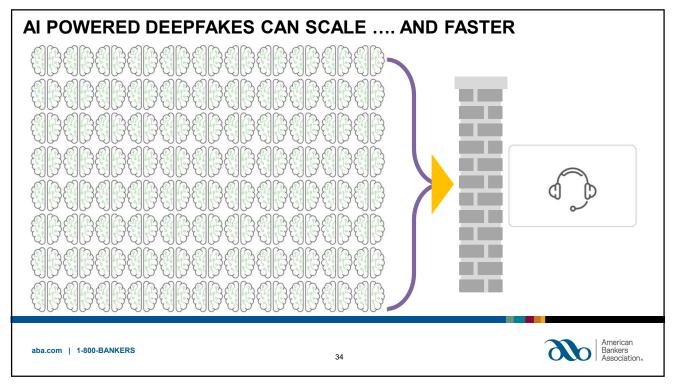


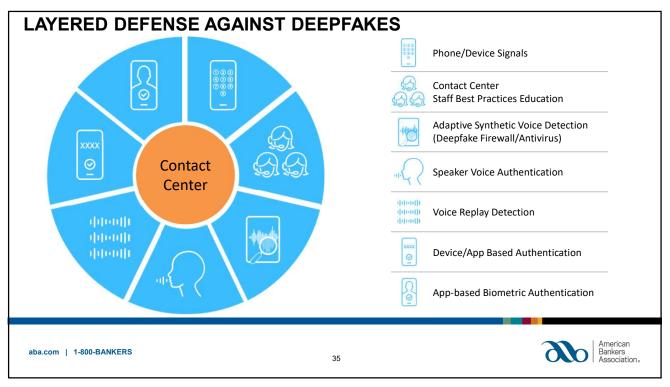


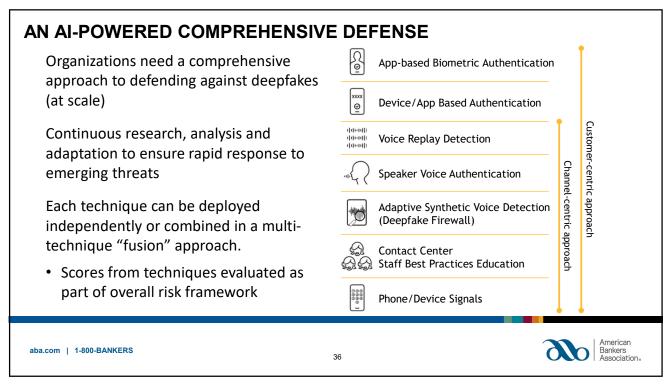












Additional Resources

- · ABA Banker Working Groups
 - National Best Practices Fraud Group
 - Reg E / Card Information Sharing Group
 - Check Fraud Working Group
 - Internal Fraud Group
- ABA Fraudcast aba.com/fraudcast

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QUESTIONS

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37



37

Additional Resources

- CISA has several resources: https://cisa.gov/cybersecurity
 https://cisa.gov/stopransomware
- USSS Preparing for a Cyber Incident includes several resources: https://www.secretservice.gov/investigation/Preparing-for-a-Cyber-Incident
- FBI IC3: https://www.ic3.gov/
- Federal Reserve Bank Synthetic ID Toolkit
 https://fedpaymentsimprovement.org/synthetic-identity-fraud-mitigation-toolkit/synthetic-identity-fraud-basics/

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