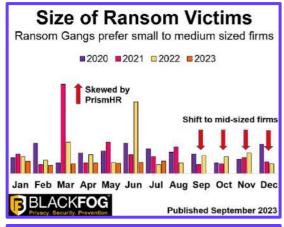
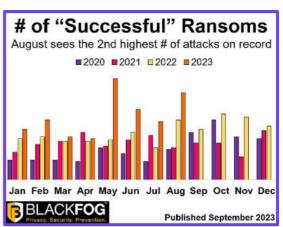
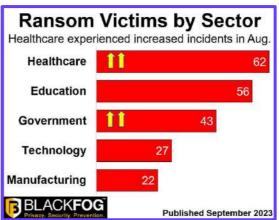


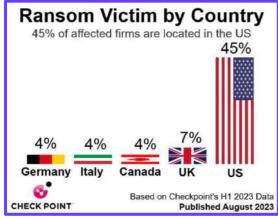
Click each image to see each report in full. All were published in month to Sept 2023



















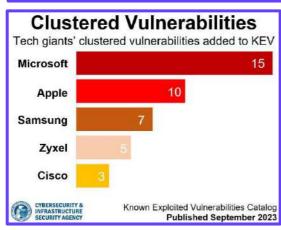
Click each image to see each report in full. All were published in month to Sept 2023

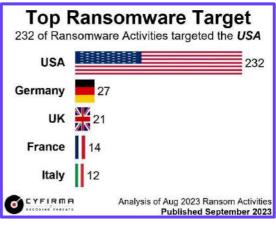


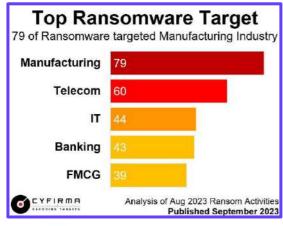


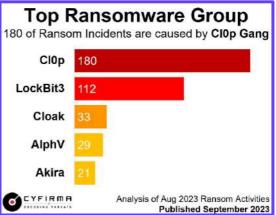
Ransomware Victims 89% of firms fell victim to one ransomware attack 89% of firms fell victim to one ransomware attack 89% of firms fell victim to one ransomware attack indicate their organizations were targeted by at least one ransomware attack in the last 12 months (97% for healthcare, the most-targeted sector). CYBERARK* 2,300 Global Security Decision Makers Published September 2023





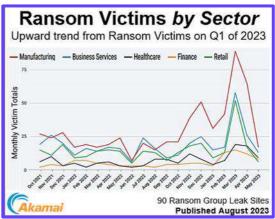


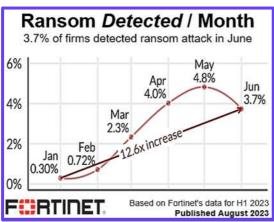




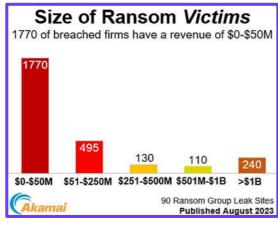


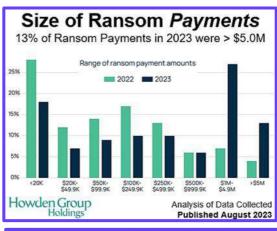


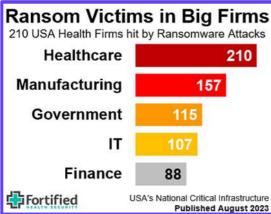


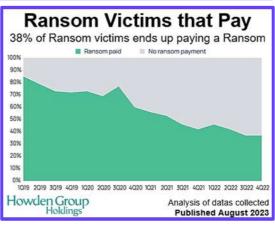














Cyber Insights: Cyber in the Boardroom

Click each image to see each report in full. All were published in month to Aug 2023

What Best CISOs do Best

Top Five "Game Changing Behaviours" for CISOs

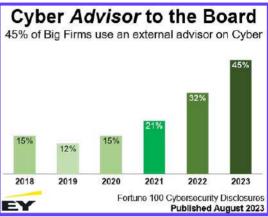
- #1 Define Risk Appetite with Board
- #2 Invest in Personal Development
- #3 Build rapport with senior Execs
- #4 Discuss evolving best practices
- **#5 Proactively secure new Tech**

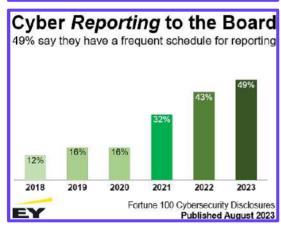
Gartner.

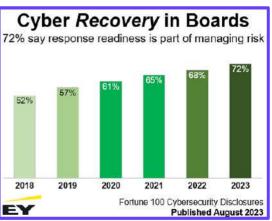
Comparison of 227 CISOs Published 28th August 2023

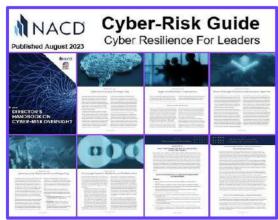


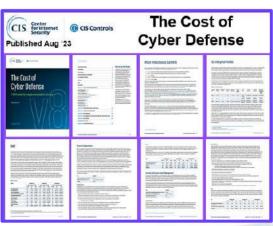
Cyber Demand in Boardroom 77% say Cybersecurity skill is sought on the board 77% 53% 41% 2018 2019 2020 2021 2022 2023 Fortune 100 Cybersecurity Disclosures Published August 2023





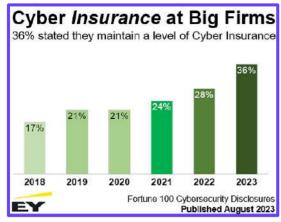


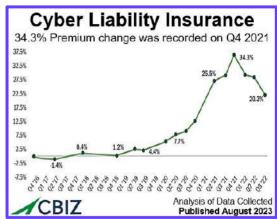




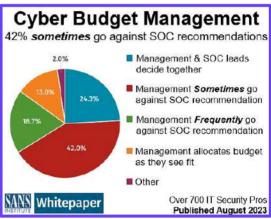


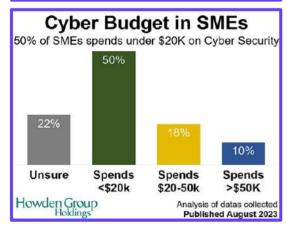
Cyber Insights: Cyber in the Boardroom 2

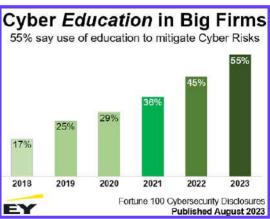


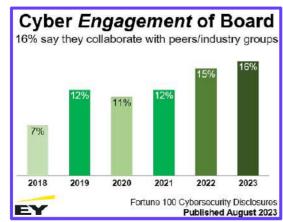


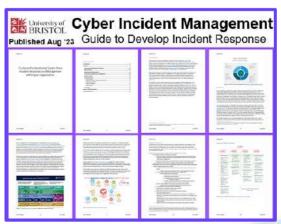








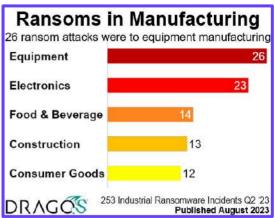


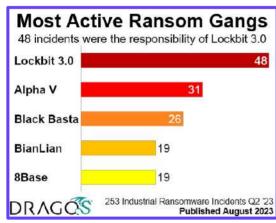


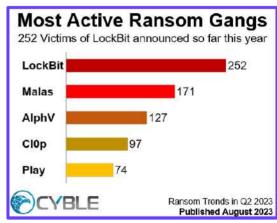


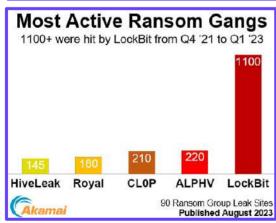
Cyber Insights: Ransomware Numbers

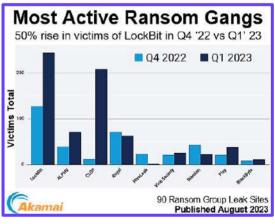


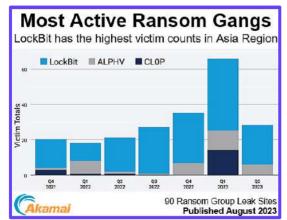


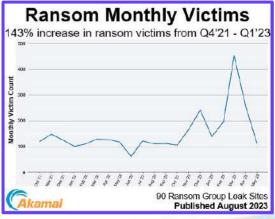






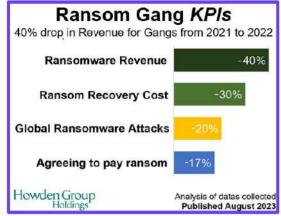


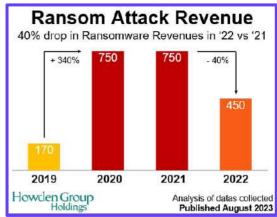


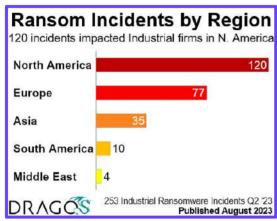


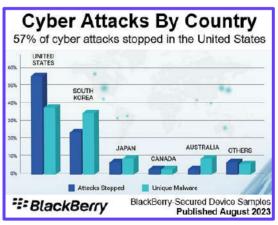


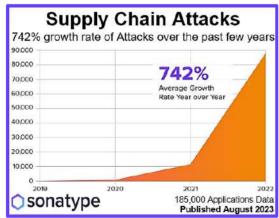
Cyber Insights: Ransomware Numbers 2

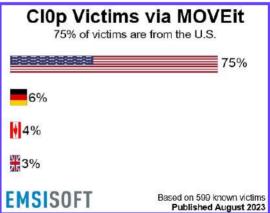


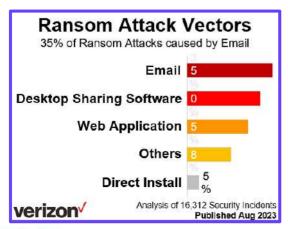


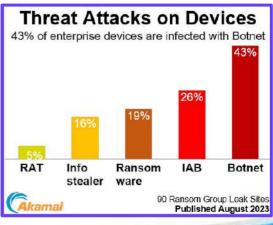






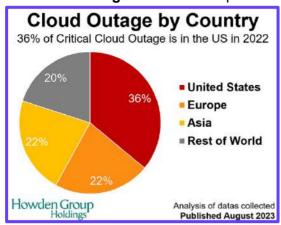


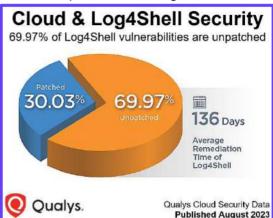


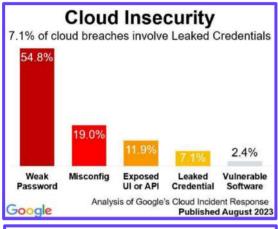


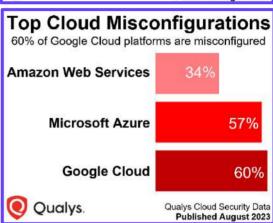


Cyber Insights: Cloud and Shadow Risks

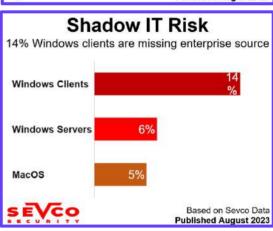


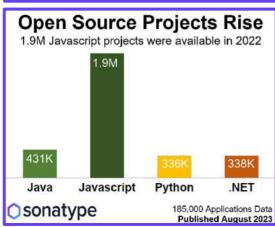


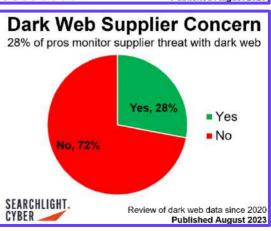






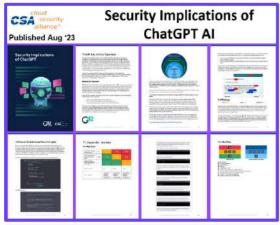






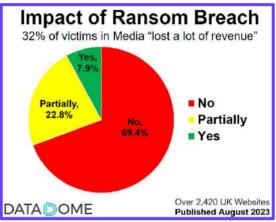


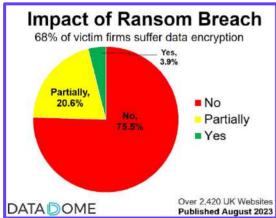
Cyber Insights: Al & Bots

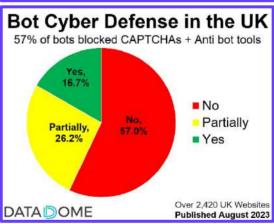


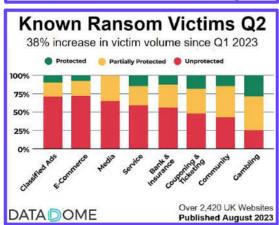


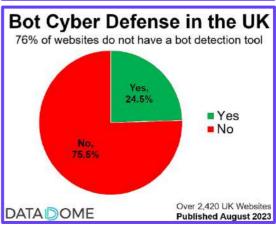






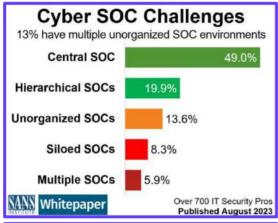






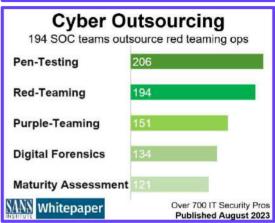


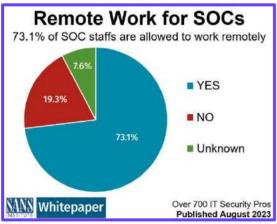
Cyber Insights: SOCs





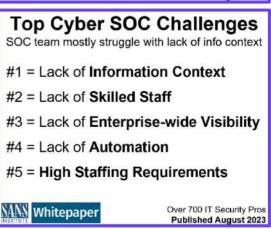






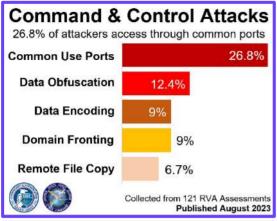


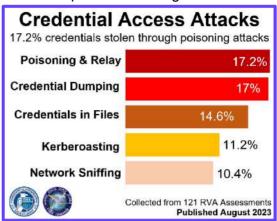


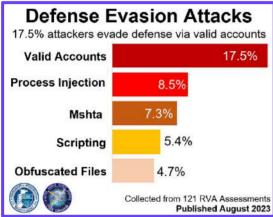


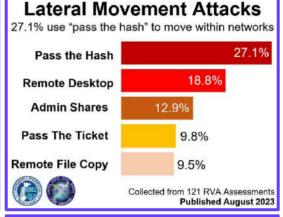


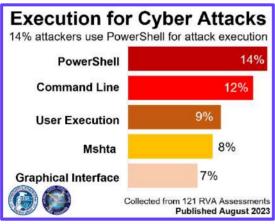
Cyber Insights: Cyber Attacks

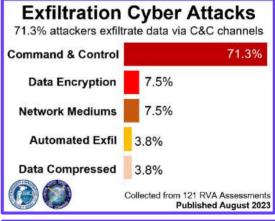


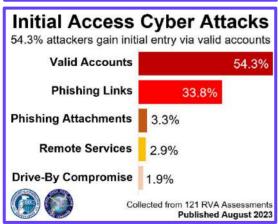


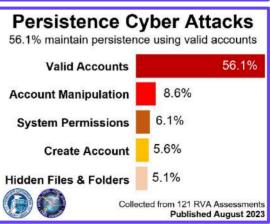














Cyber Insights: Cyber Attacks 2

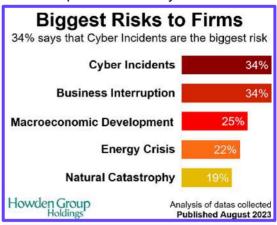
Click each image to see each report in full. All were published in July 2023

BlackBerry Telemetry

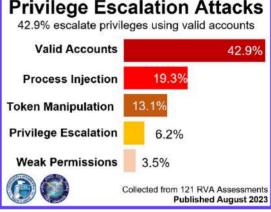
Published August 2023

Top Cyber-Attack Targets Finance Institutions most targeted #1 - Financial Institutions #2 - Healthcare Services #3 - Healthcare Equipment #4 - Government / Public Entities #5 - Critical infrastructure

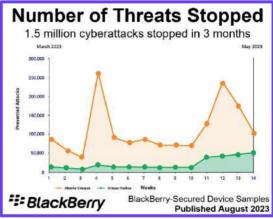
BlackBerry

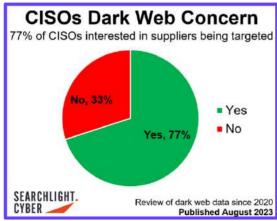


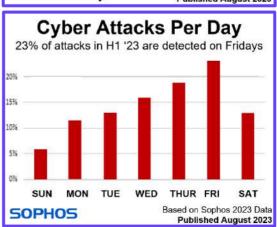
Discovery for Cyber Attacks 10.1% attackers use network shares for discovery Accounts 10.10% Network Shares 10.10% Network Services 9.60% File & Directory 9.40% Password Policy 8.20% Collected from 121 RVA Assessments Published August 2023



Top 5 Attack Vector Types Email Body Links Now Top Cyberattack Method #1 – Phishing Hyperlinks in Email #2 – Domain Spoofing #3 – PDF Attachments #4 – HTML Attachments #5 – Branded Phishing Emails KnowBe4 Phishing Security Tests Published August 2023

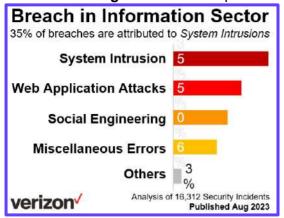


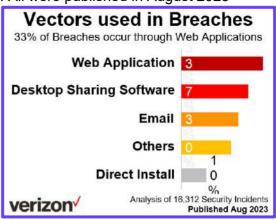


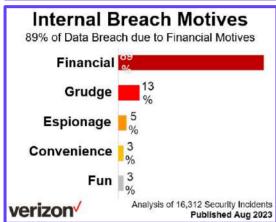


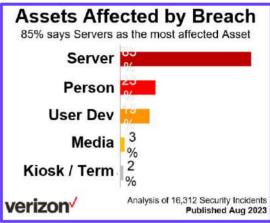


Cyber Insights: Breaches

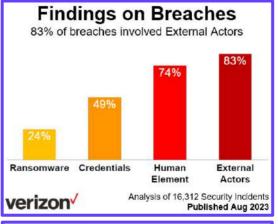


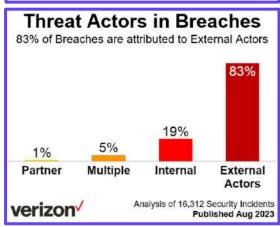








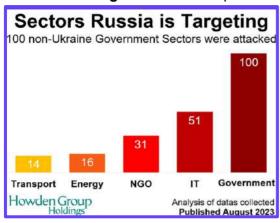




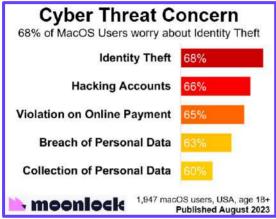




Cyber Insights: Cyber Threats

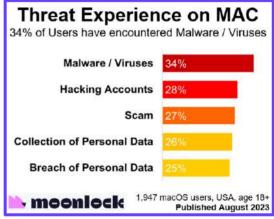


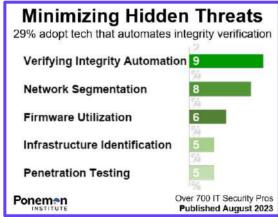


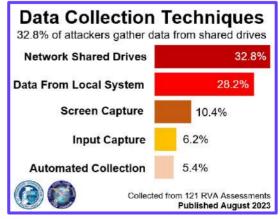








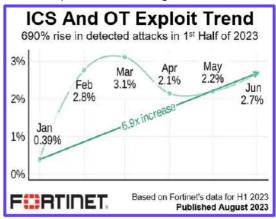


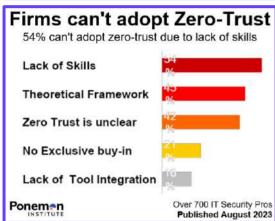




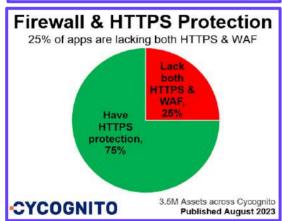
Cyber Insights: Security Challenges



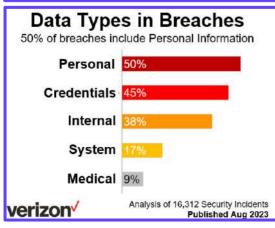


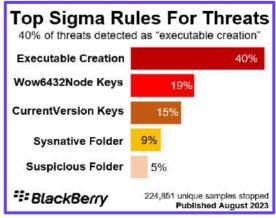






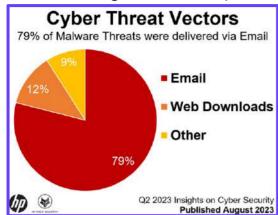


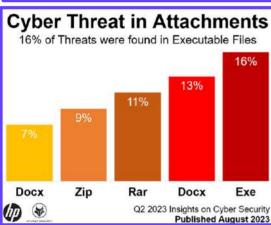






Cyber Insights: Threat Landscape











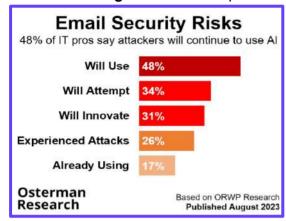






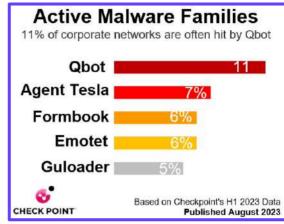


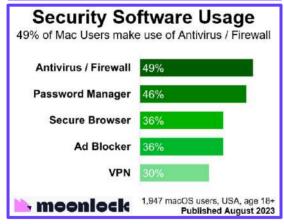
Cyber Insights: Email Security



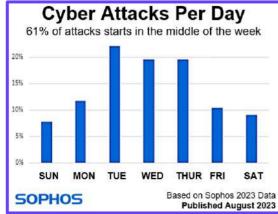


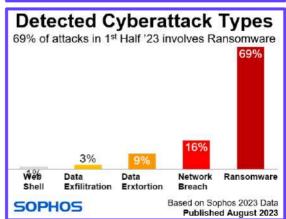






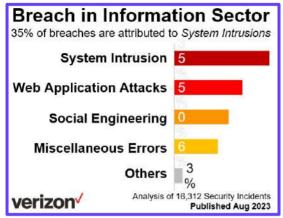




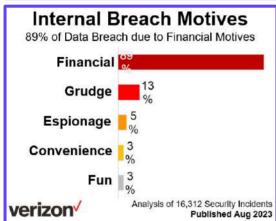


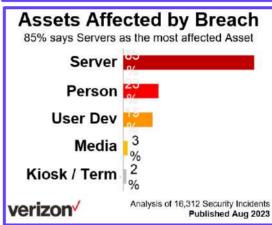


Cyber Insights: Others

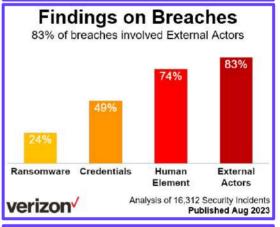


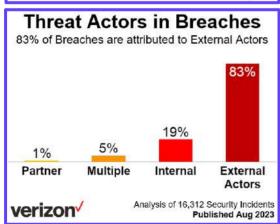






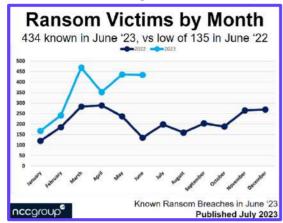


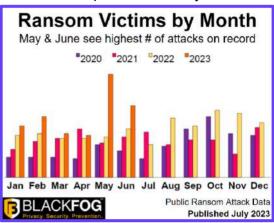


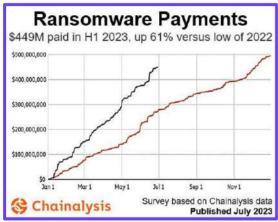








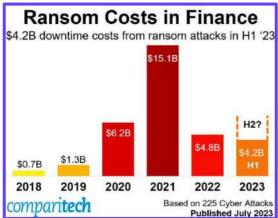


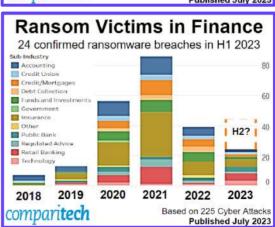












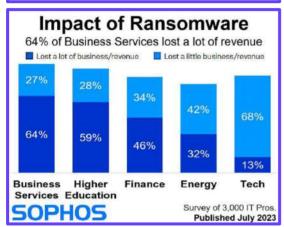


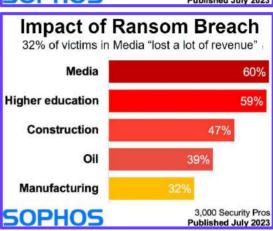
Cyber Insights: Ransomware Numbers

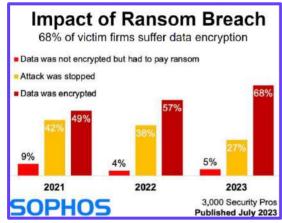
Click each image to see each report in full. All were published in July 2023

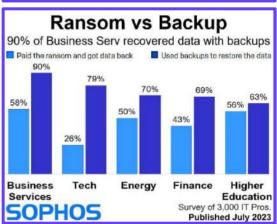
Ransoms Paid to each Gang \$1.9m average (mean) when Cl0p paid by a Victim 2023 median payment size Strain name 2023 average payment size Phobos \$1,719 \$300 \$619 \$563 Stop/divu BlackBasta \$147,106 \$762,634 \$1,504,579 \$305,585 ALPHWBlackcat \$1,730,486 \$1,946,335 Chainalysis Published July 2023

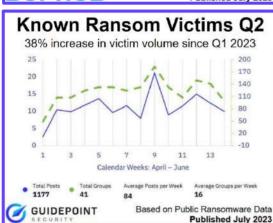


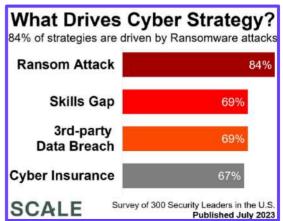






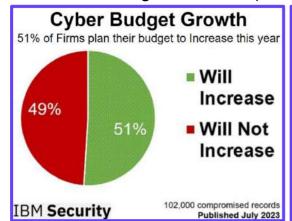


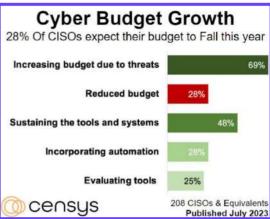


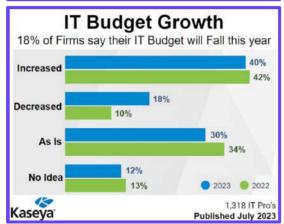


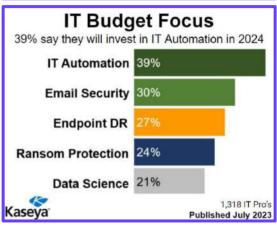


Cyber Insights: Cyber Budgets & Investments

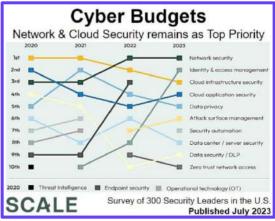


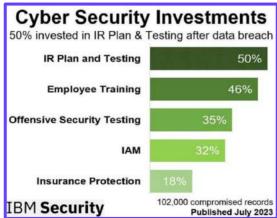


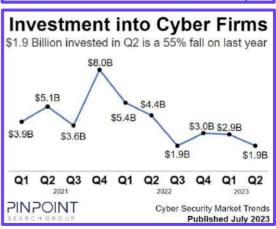






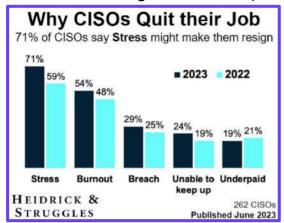


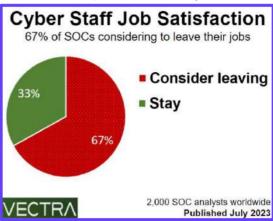


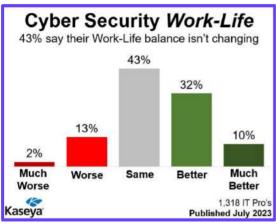




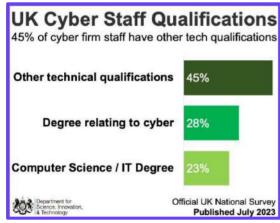
Cyber Insights: Cyber People

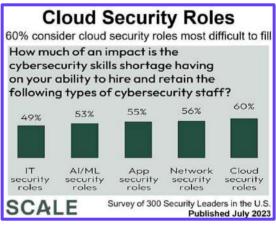


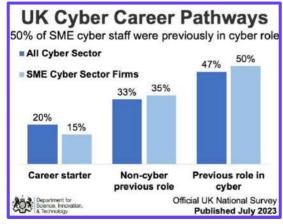


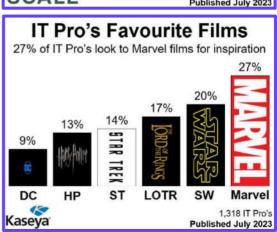






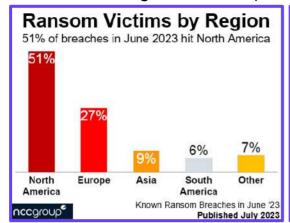


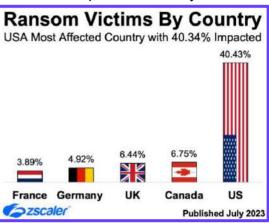




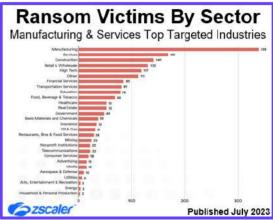


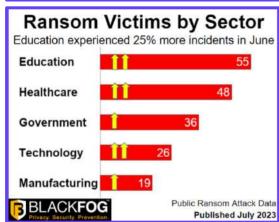
Cyber Insights: Ransomware Victims



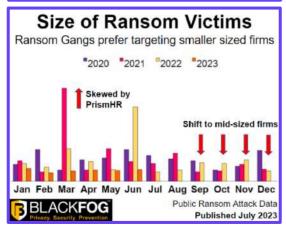


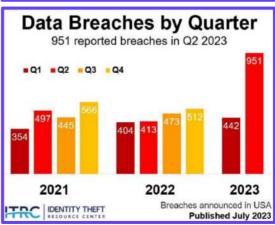






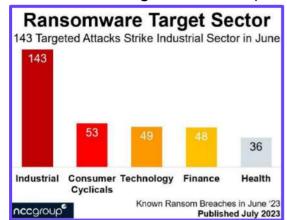


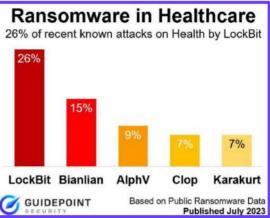


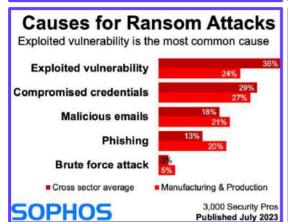


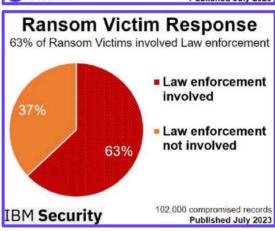


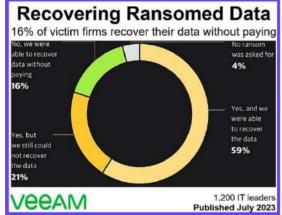
Cyber Insights: Ransomware Victims

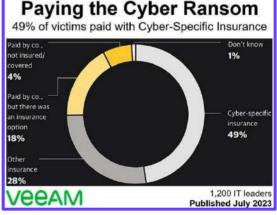


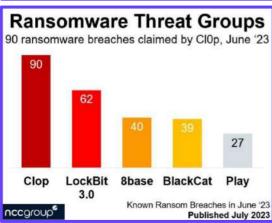


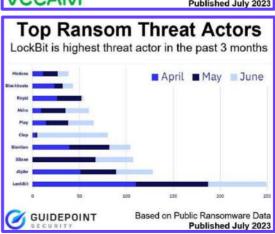






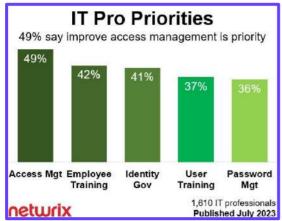




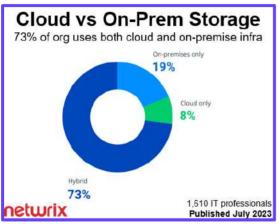


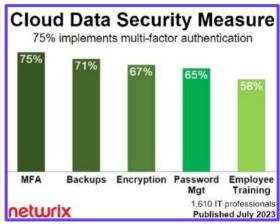


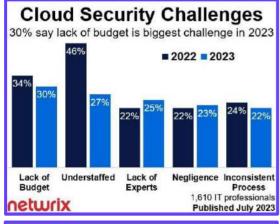
Cyber Insights: IT & Security Priorities



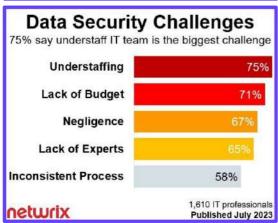


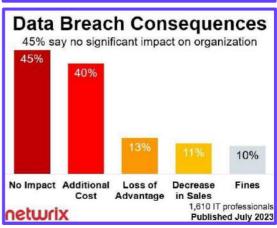






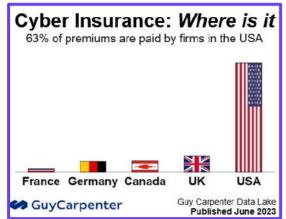




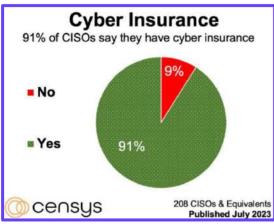


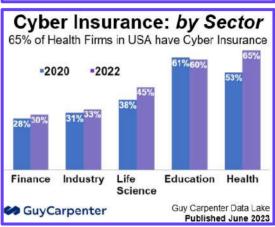


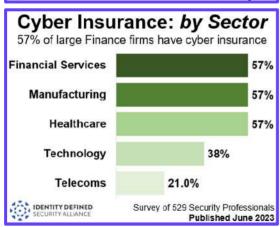
Cyber Insights: Cyber Insurance

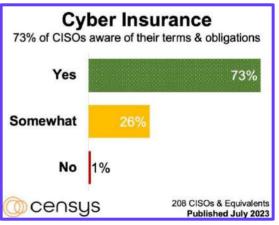


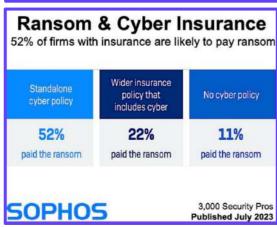


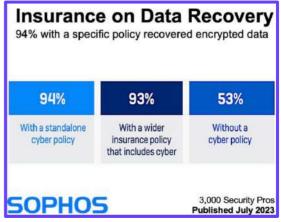






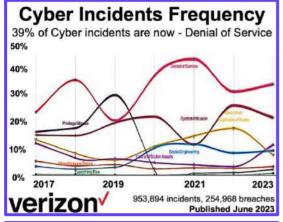


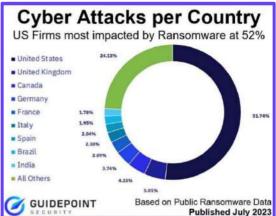




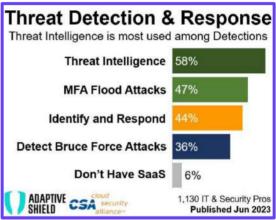


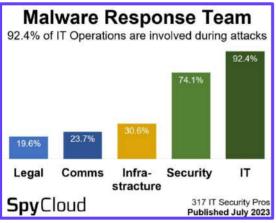
Cyber Insights: Cyber Incident Response



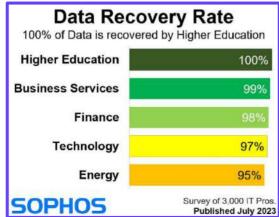












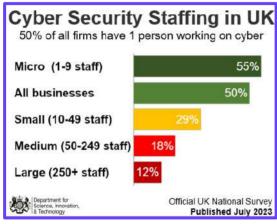


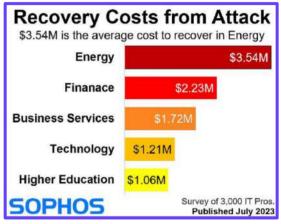


Cyber Insights: Cyber People

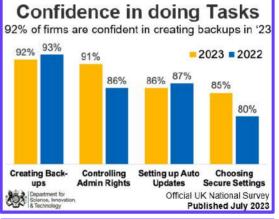




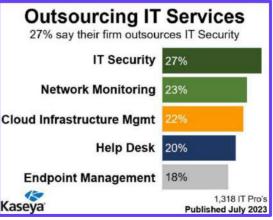






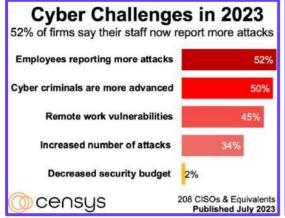


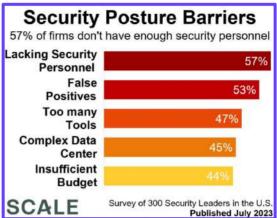




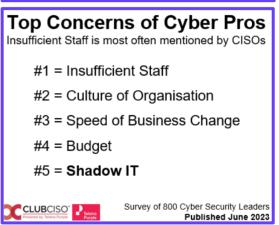


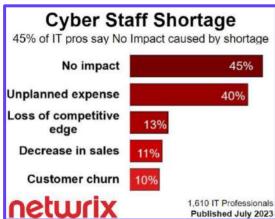
Cyber Insights: Cyber Security Challenges











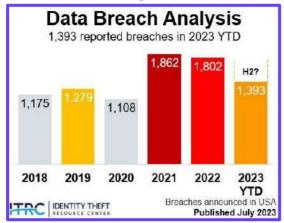


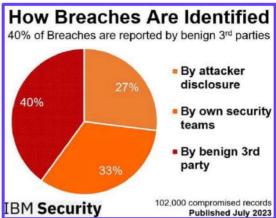




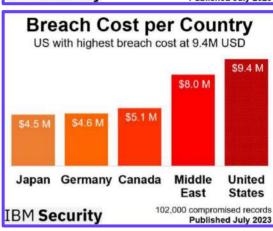


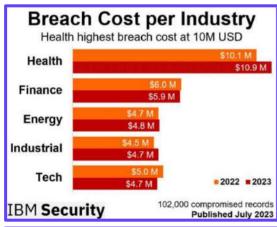
Cyber Insights: Data Breaches

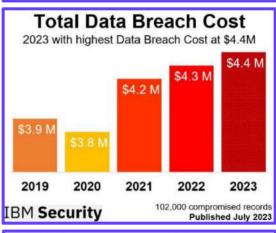


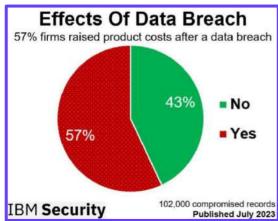


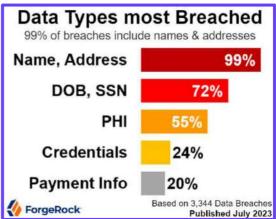






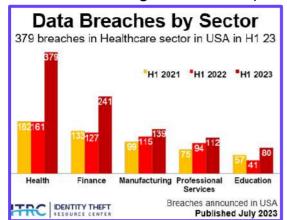


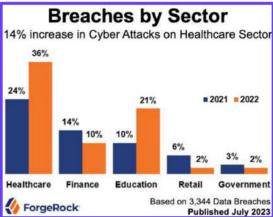


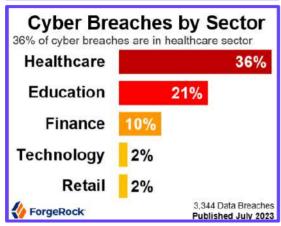


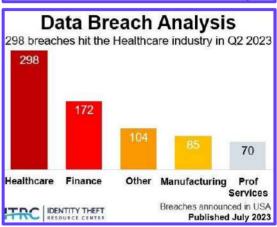


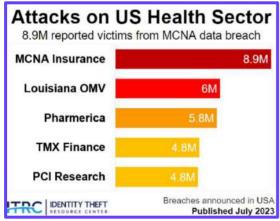
Cyber Insights: Data Breaches

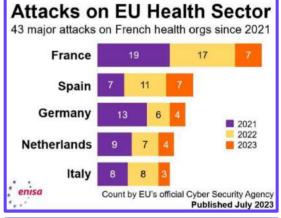


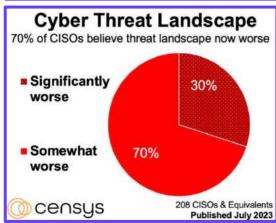


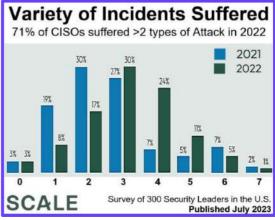






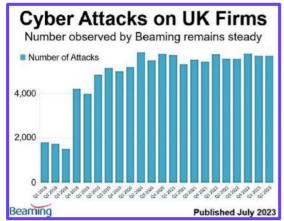


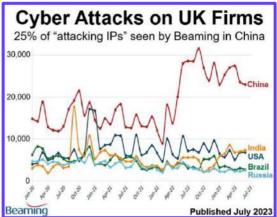


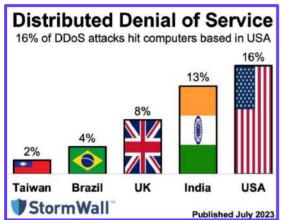


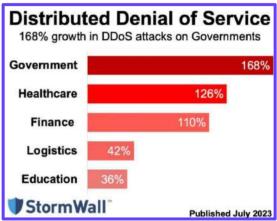


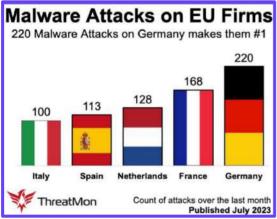
Cyber Insights: Cyber Threats Target

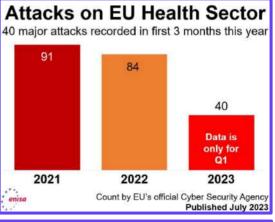


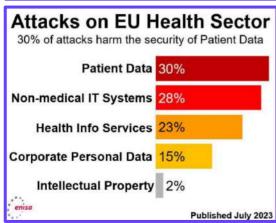


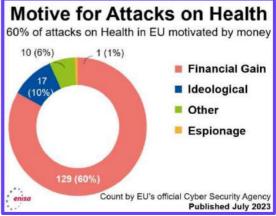








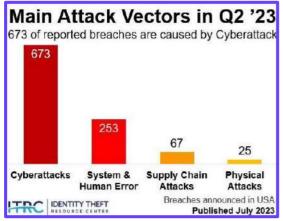






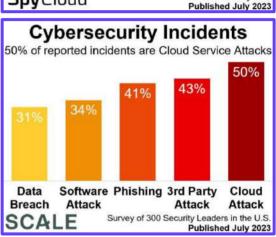
Cyber Insights: Cyber Threats

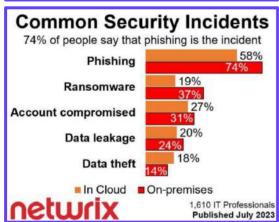
Click each image to see each report in full. All were published in July 2023



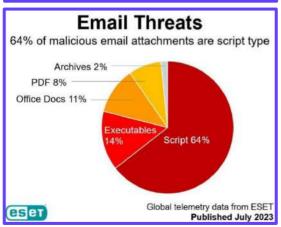
Cybersecurity Threats Greatest threats and risk to Organization's Security #1 = Ransomware #2 = Phishing / Spear-Phishing #3 = Info stealers #4 = Web application attacks #5 = Advanced persistent threats (APT) SpyCloud 317 IT Security Pros













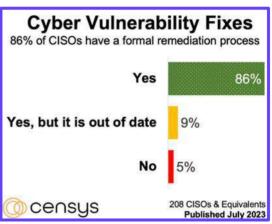


Cyber Insights: Cyber Risk Management



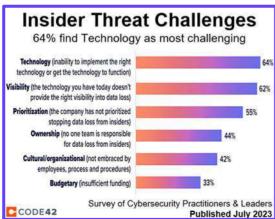


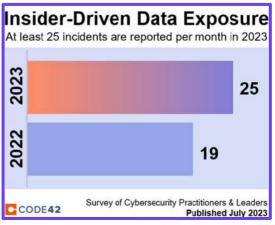








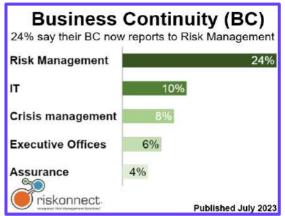


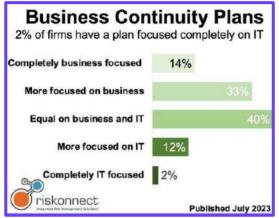


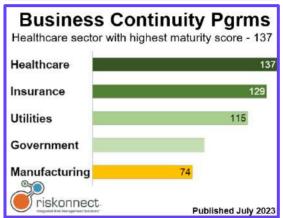


Cyber Insights: Business Continuity

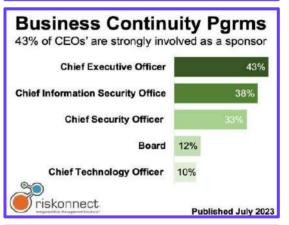


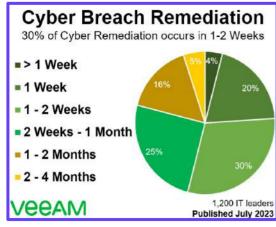


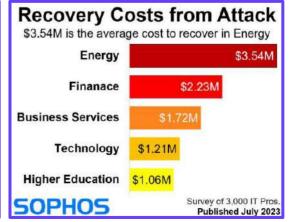








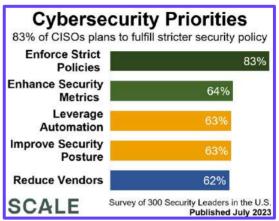


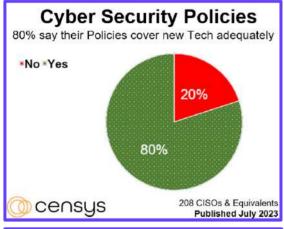




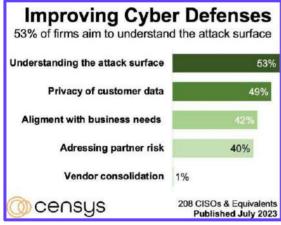
Cyber Insights: Cyber Strategies



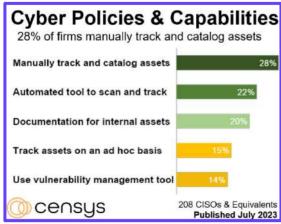






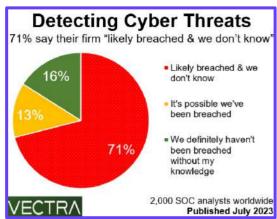


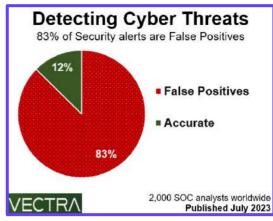






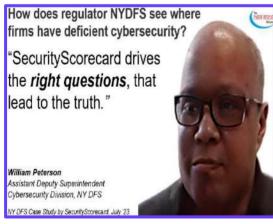


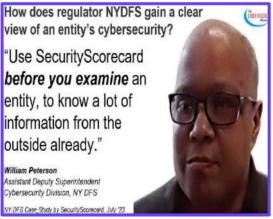


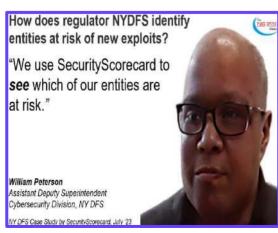


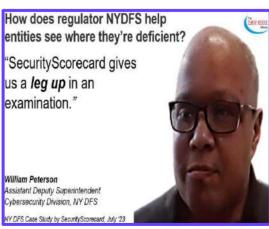




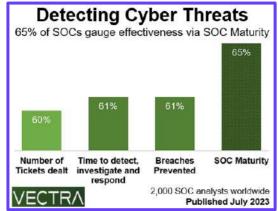


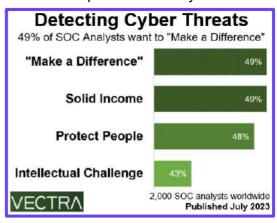


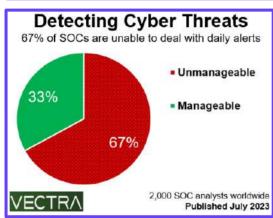




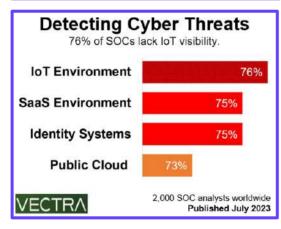




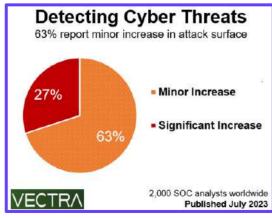


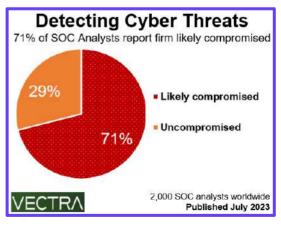




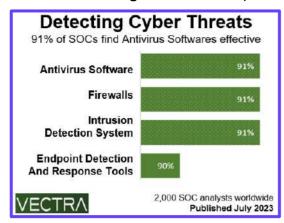


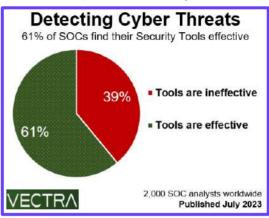


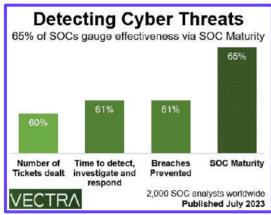




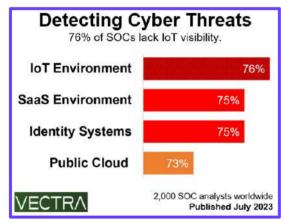






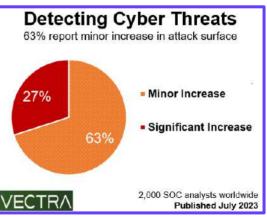




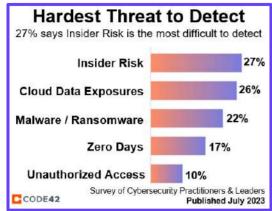


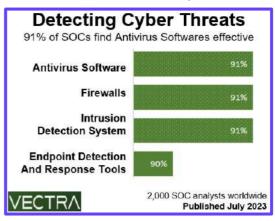




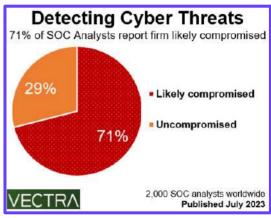


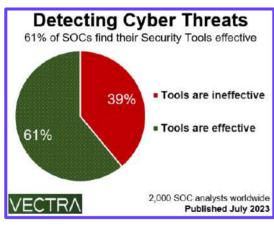


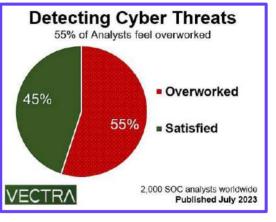


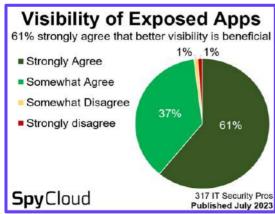








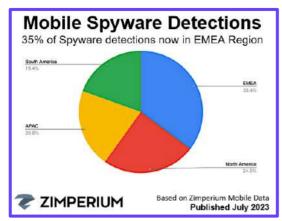


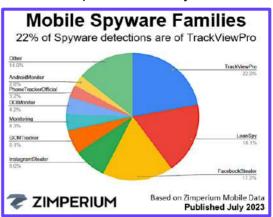




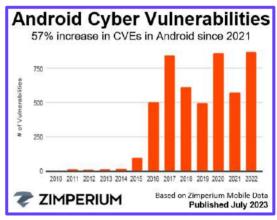


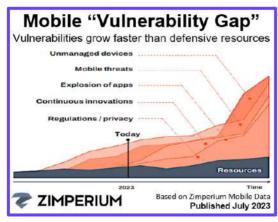
Cyber Insights: Mobile Security

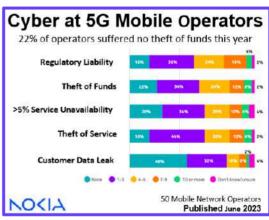


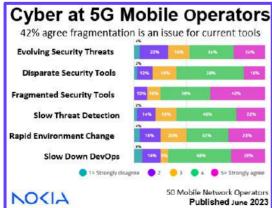


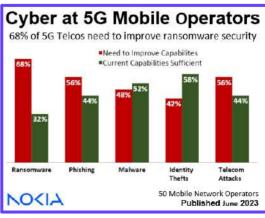






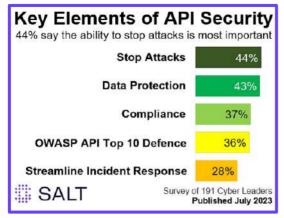




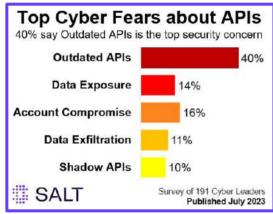


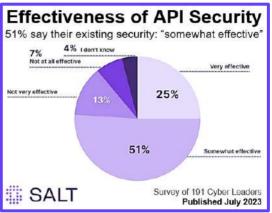


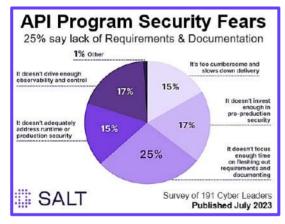
Cyber Insights: API Security

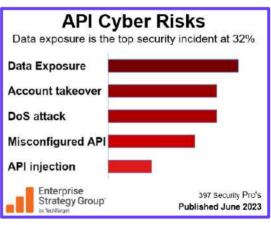




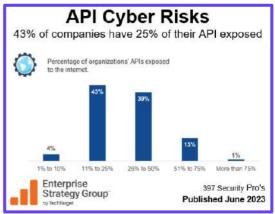






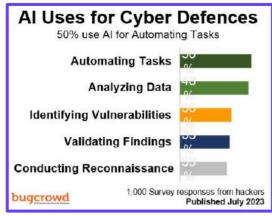


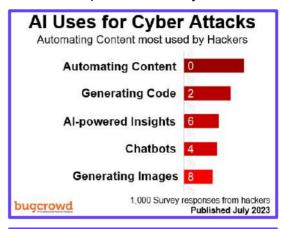




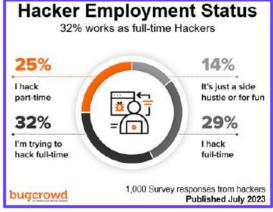


Cyber Insights: Hackers and Al



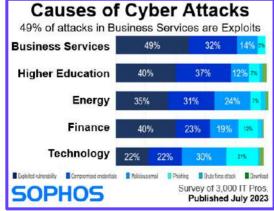


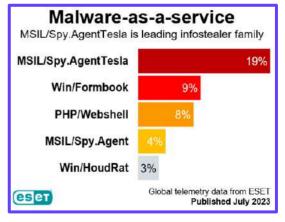






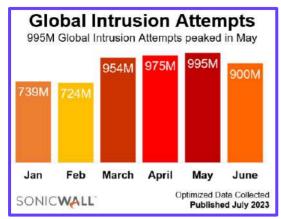


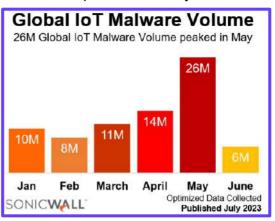


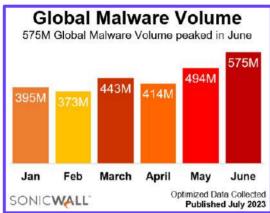


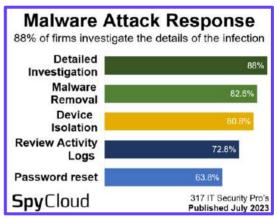


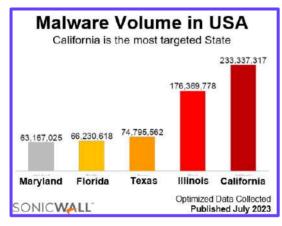
Cyber Insights: Malware

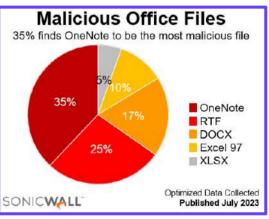


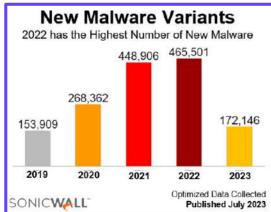


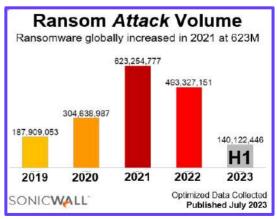






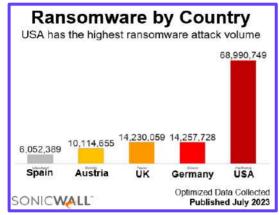




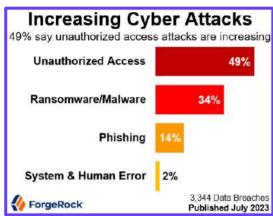


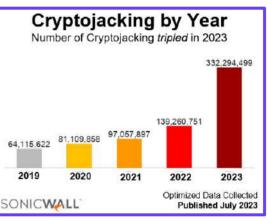


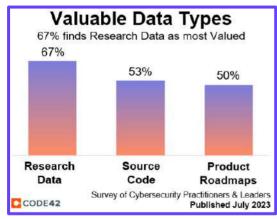
Cyber Insights: Cyber Attacks



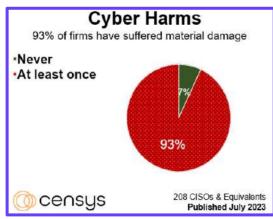


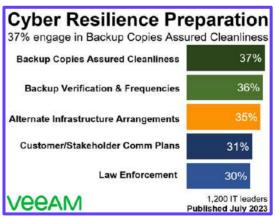






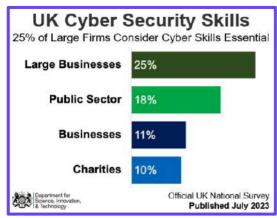




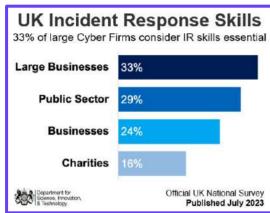


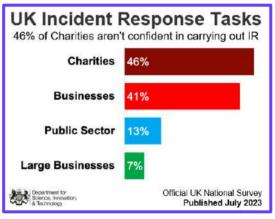


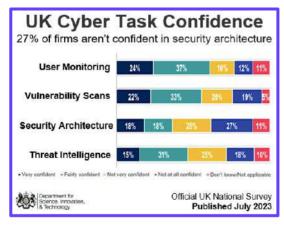
Cyber Insights: Cyber Skills



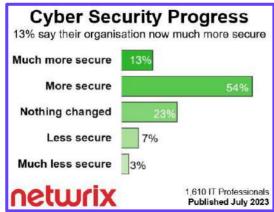


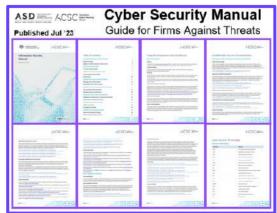






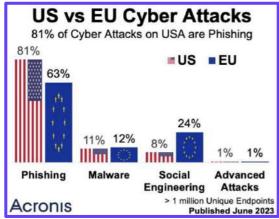


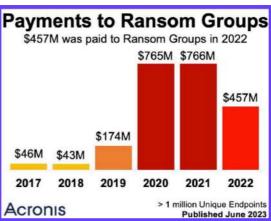


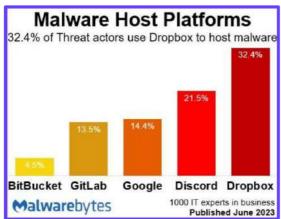


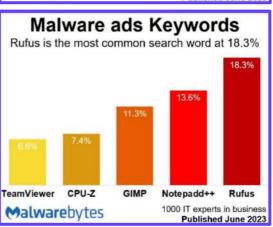


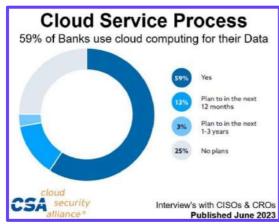
The Best Cyber Insights of 2023

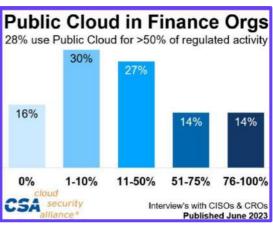


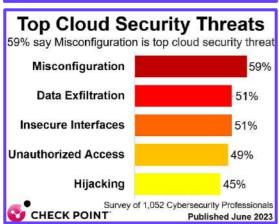








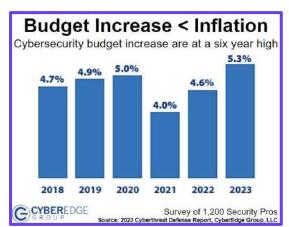


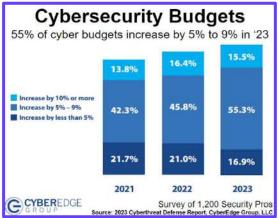


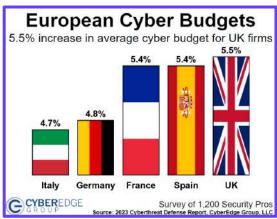




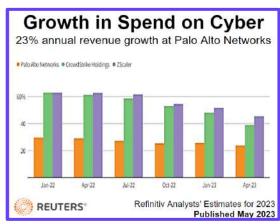
Cyber Insights: Cyber Budgets & Salaries



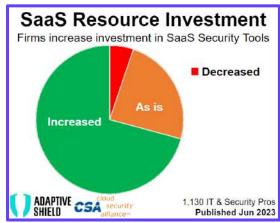


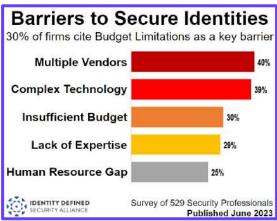








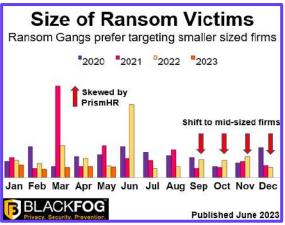


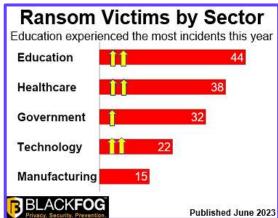


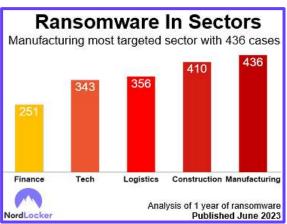


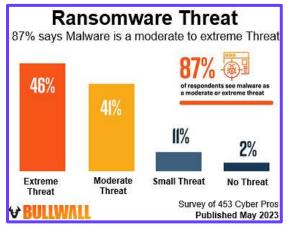
Cyber Insights: Ransomware Numbers

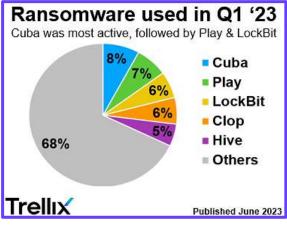


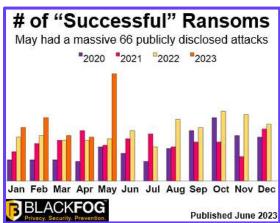


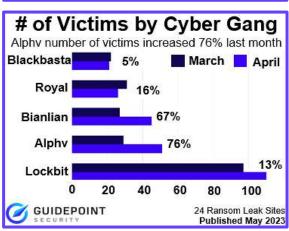






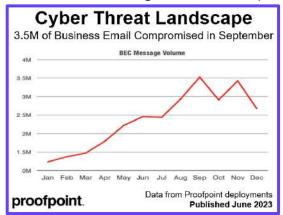


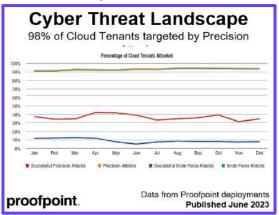


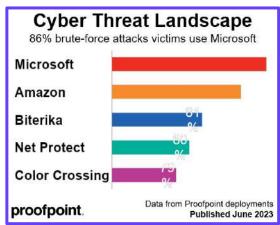


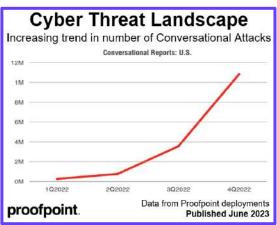


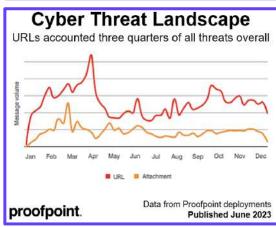
Cyber Insights: Threat Landscape

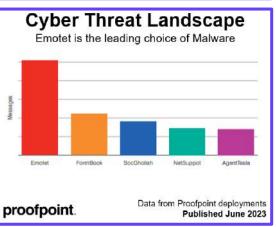


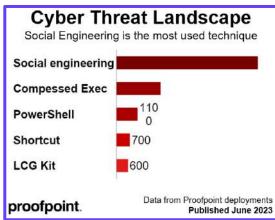


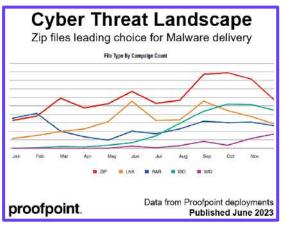






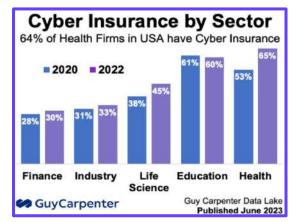


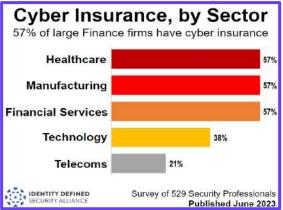




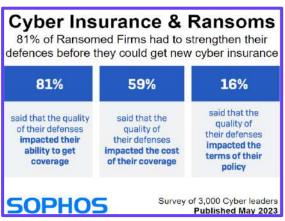


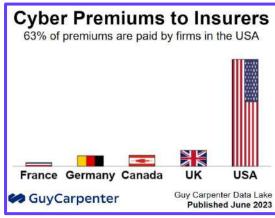
Cyber Insights: Insurance





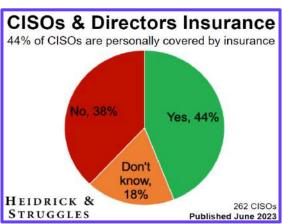








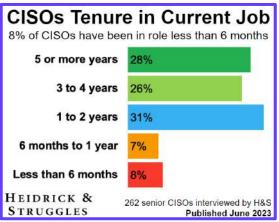


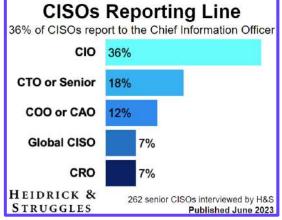




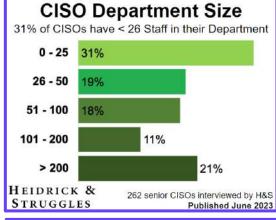
Cyber Insights: CISOs & Execs



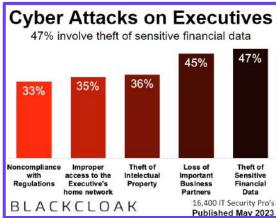


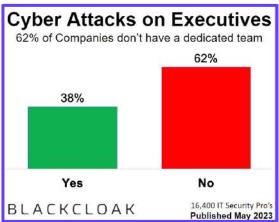






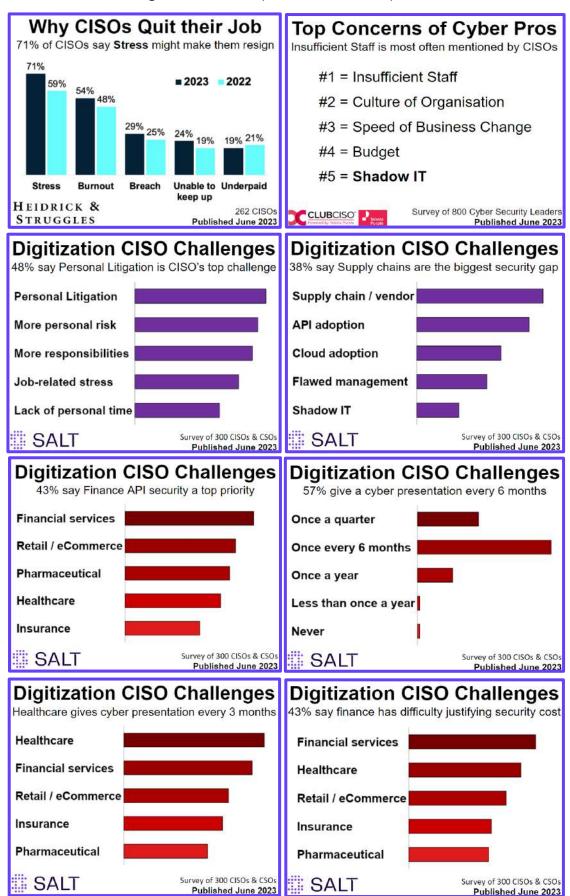






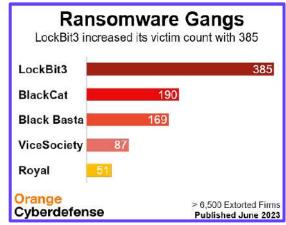


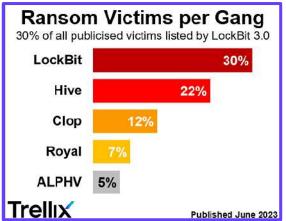
Cyber Insights: CISOs Challenges

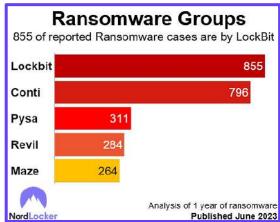


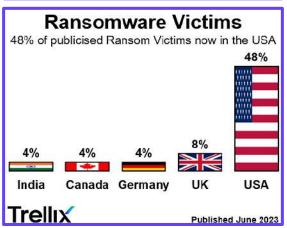


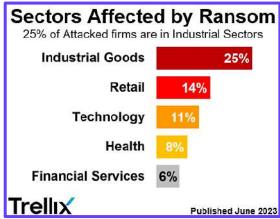
Cyber Insights: Ransomware Insights

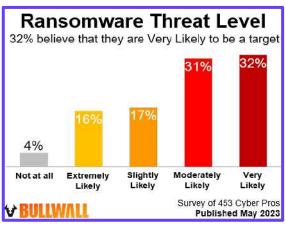


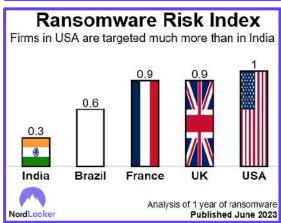










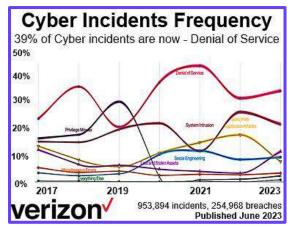




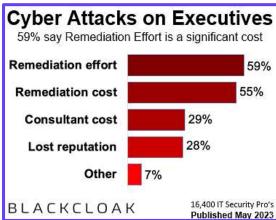


Cyber Insights: Incident Management

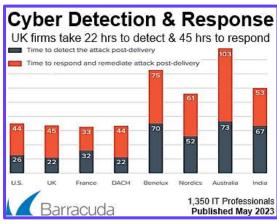
Click each image to see each report in full. All were published in June 2023

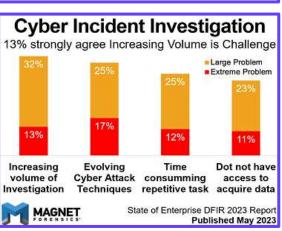


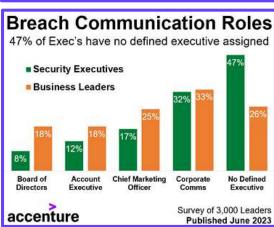












Cyber Security in Industry Visibility is Top Priority for Securing Remote Access #1 = Visibility #2 = User Education #3 = Access Control #4 = End of Life OS #5 = Policy & Enforcement Cyolo 203 IT Pros in Industrial Sectors Published May 2023

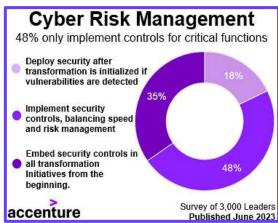


Cyber Insights: Cyber Risk Management

Click each image to see each report in full. All were published in June 2023











Cyber Change Makers
Top operational practices for strong cybersecurity

#1 = Excel at integrating cybersecurity

#2 = Leverage cybersecurity as-a-service

#3 = More Commitment to protect

#4 = Rely more on automation

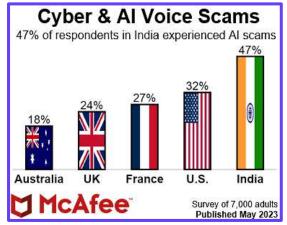
Survey of 3,000 Leaders
Published June 2023

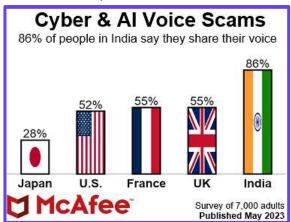


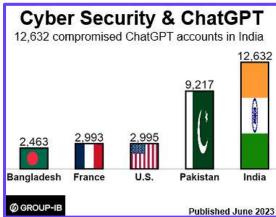


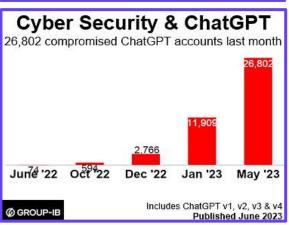


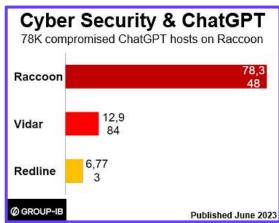
Cyber Insights: Al Cyber Security

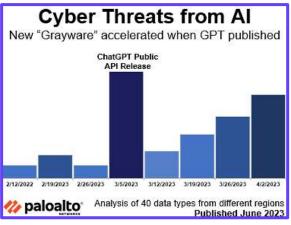


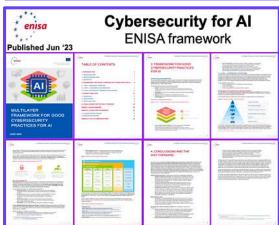








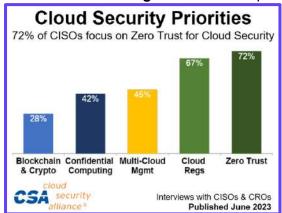


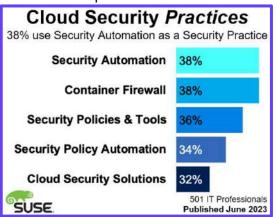


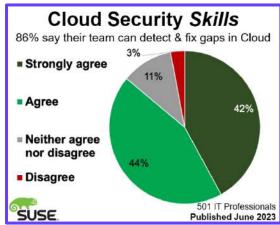


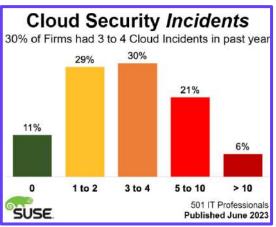


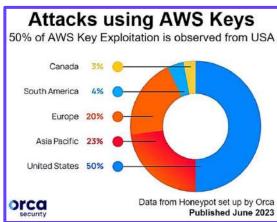
Cyber Insights: Cloud Security

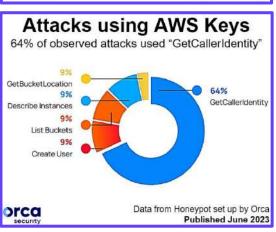


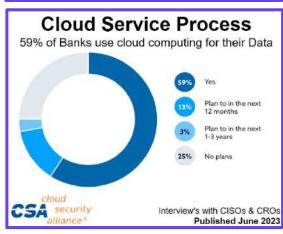


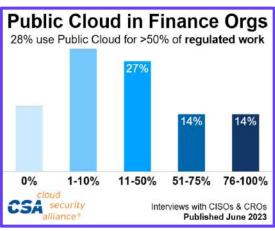






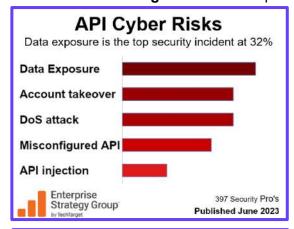




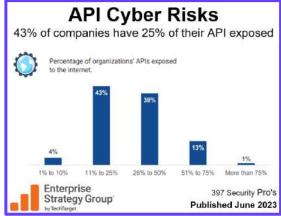


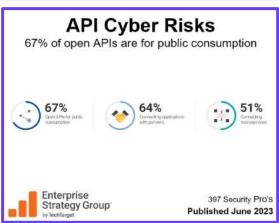


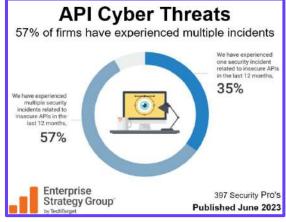
Cyber Insights: Software & API Security

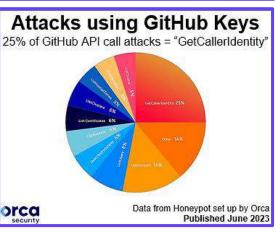


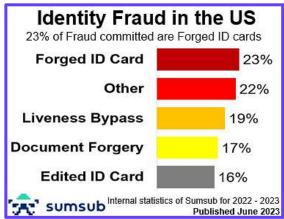


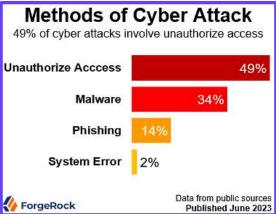






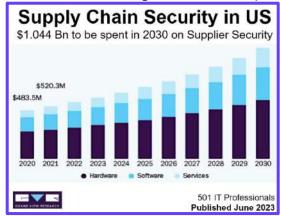


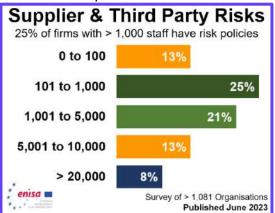


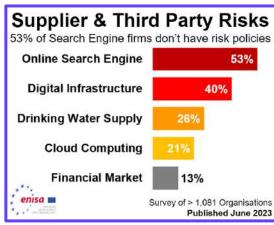




Cyber Insights: Third Party Risks





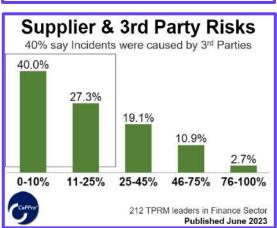






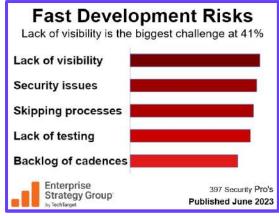


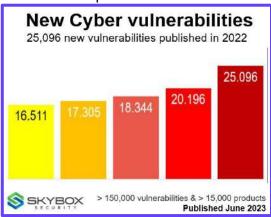


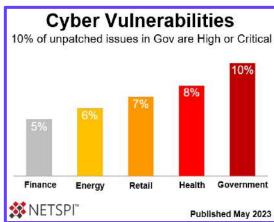


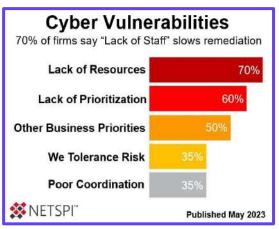


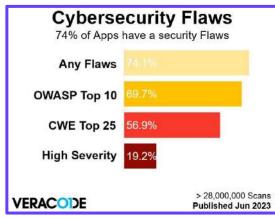
Cyber Insights: Cyber Security Flaws

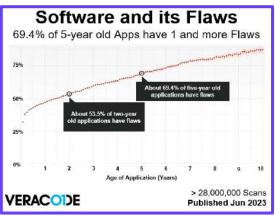


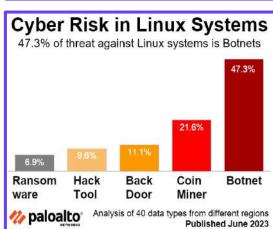


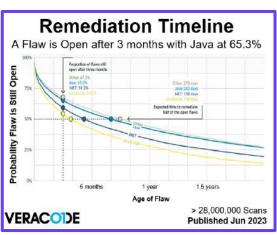








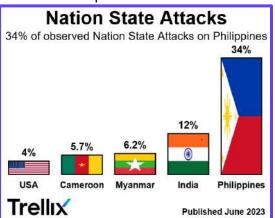


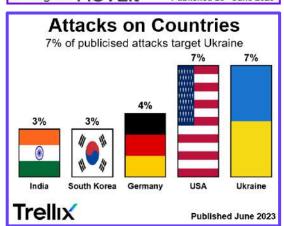




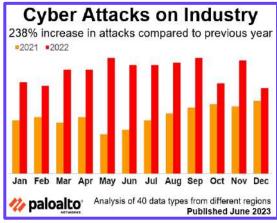
Cyber Insights: Cyber Threat Targets

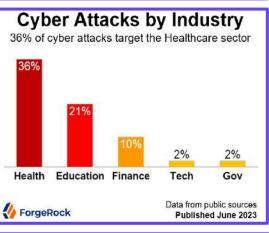


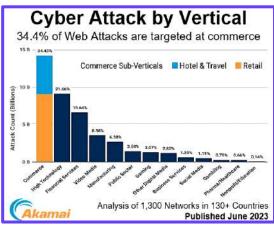


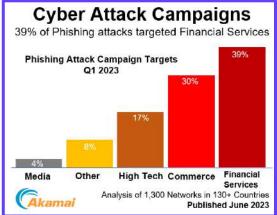






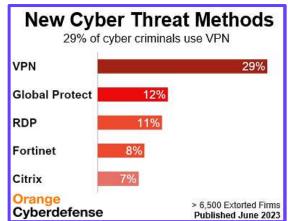




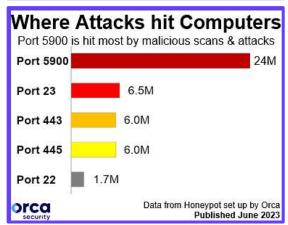




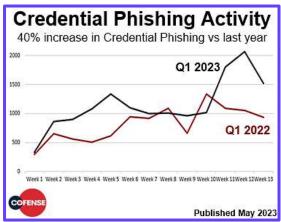
Cyber Insights: Cyber Attack Methods

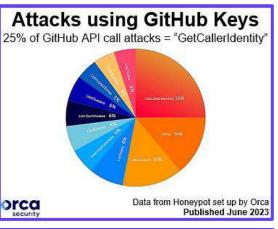


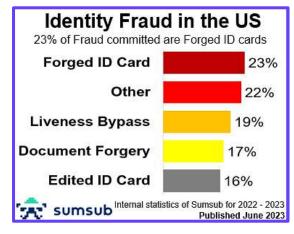


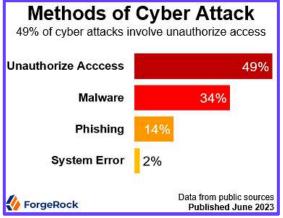










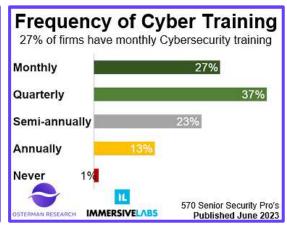




Cyber Insights: Cyber Skills

Click each image to see each report in full. All were published in month to June 2023

Job Growth to 2033 242% growth in Cyber Jobs forecast across USA 266% Data Scientist 242% Cyber Security Analyst 180% Software Developers 99% CIOs and IT Directors 21% IT Support Specialists CompTIA. CompTIA Tech Survey Published May 2023







Cyber Skill Gaps Cyber Pro's struggle to Manage Stressful situations #1 = Managing stressful situations #2 = Make a business case to C-suite #3 = Understanding legal requirements #4 = Communication #5 = Understanding compliance 2,000 IT Security Decision Makers Published May 2023



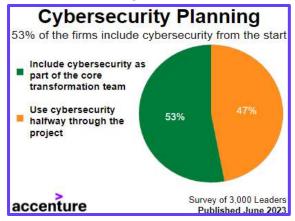


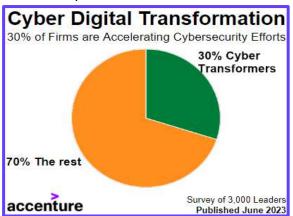


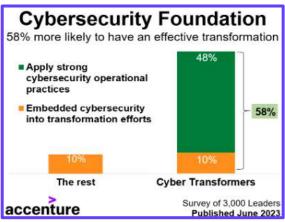


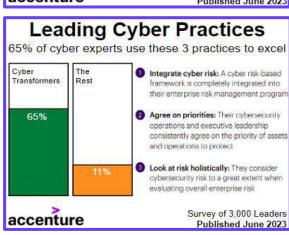
Cyber Insights: Best Practices

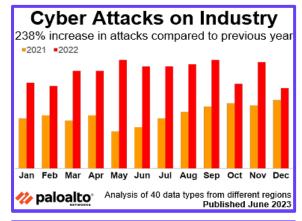
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Most Secure Finance Firms

Most Secure Retail Firms Neiman Marcus "most Cyber Secure Retail firm in USA" #1 = Neiman Marcus #2 = Rooms To Go #3 = Burlington Coat Factory #4 = Chico's FAS #5 = L.L. Bean Security Forbes Forbes & Security Scorecard Published June 2023

#1 = Western Alliance Bank #2 = Pacific Western Bank #3 = Houlihan Lokey #4 = New American Funding #5 = Fidelity Investments Security Scorecard Forbes Forbes & Security Scorecard Published June 2023

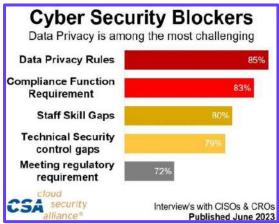
Most Secure Tech Firms Intel rated "most Cyber Secure Tech firm in USA" #1 = Intel #2 = Lam Research #3 = Micron #4 = Broadcom #5 = Aretec Security Scorecard Published June 2023



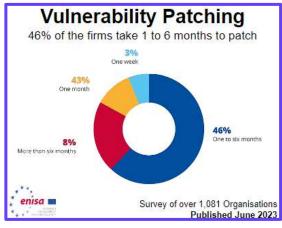
Cyber Insights: Cyber Challenges

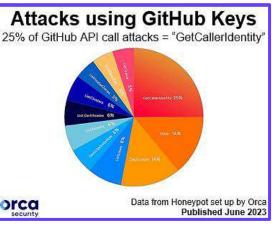


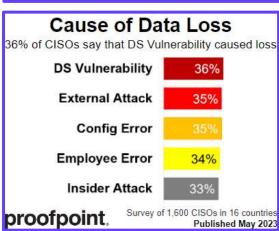








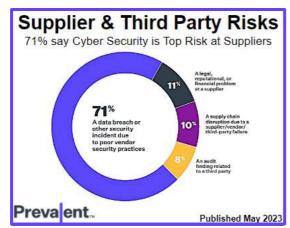


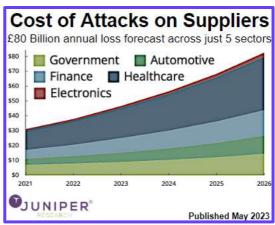




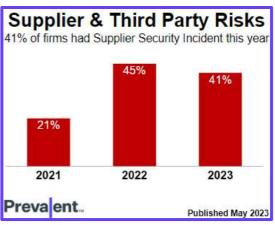


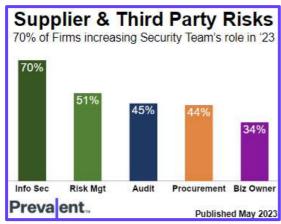
Cyber Insights: Supplier & 3rd Party Risk

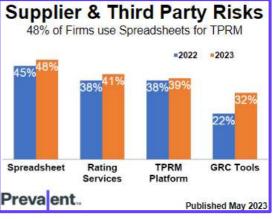


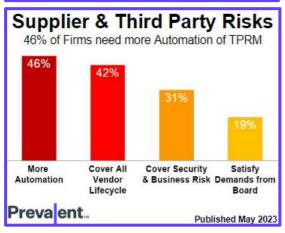








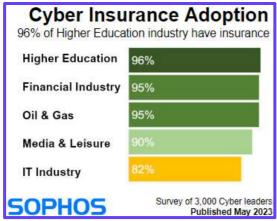




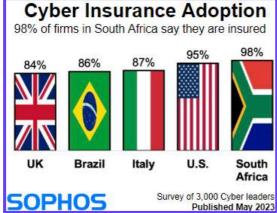


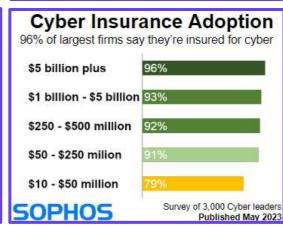
Cyber Insights: Cyber Insurance

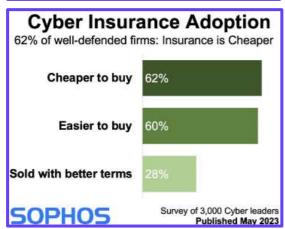
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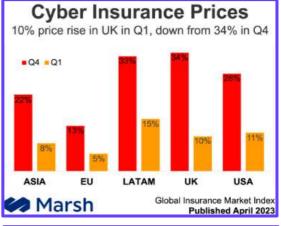


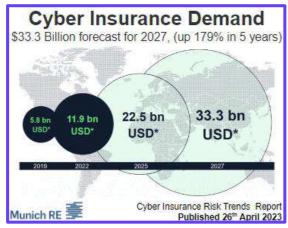
Cyber Insurance & Ransoms 81% of Ransomed Firms had to strengthen their defences before they could get new cyber insurance 59% 16% 81% said that the said that the quality said that the quality of of their defenses quality of their defenses impacted their their defenses impacted the ability to get impacted the cost terms of their coverage of their coverage policy Survey of 3,000 Cyber leaders SOPHOS Published May 2023









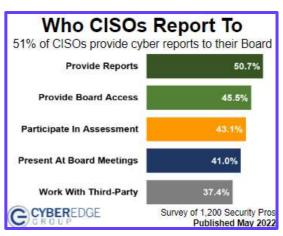




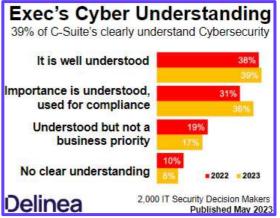
Cyber Insights: Success for CISOs

Click each image to see each report in full. All were published in month to March 2023





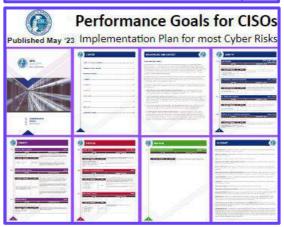




Important Skills for CISOs Technical expertise is most important skill for CISOs #1 = Technical expertise #2 = Understanding compliance #3 = Communication #4 = Collaboration & alignment #5 = Managing stressful situations Delinea 2,000 IT Security Decision Makers Published May 2023

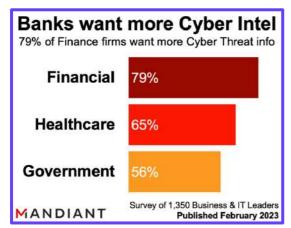


Measuring CISO Success Top important metric is number of prevented attacks #1 = Number of prevented attacks #2 = Meeting compliance #3 = Reduced cost of successful attack #4 = Successful deployment #5 = ROI of a strategy Delinea 2,000 IT Security Decision Makers Published May 2023

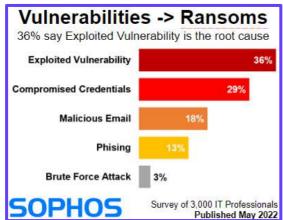


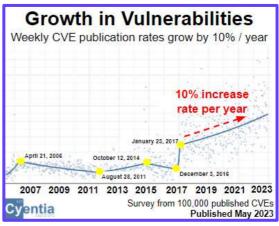


Cyber Insights: Ransomware Vulnerabilities

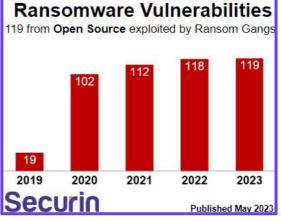


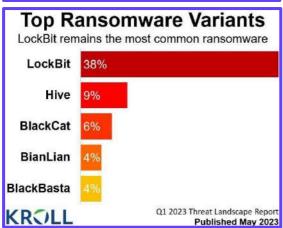


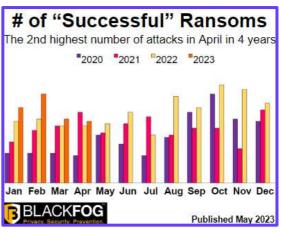






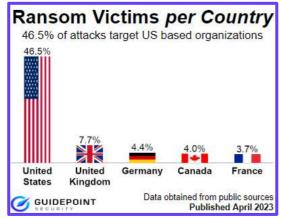




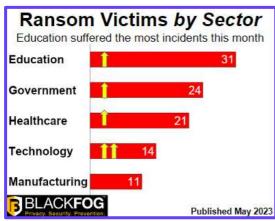




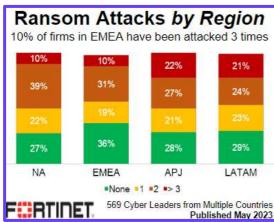
Cyber Insights: Ransomware Victims

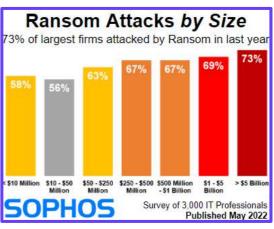


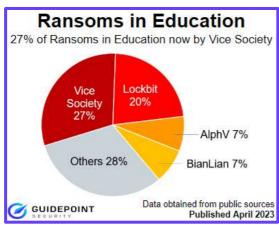


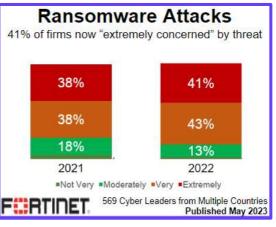






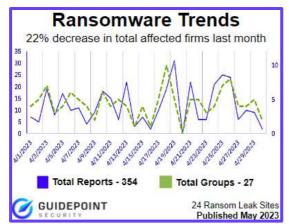


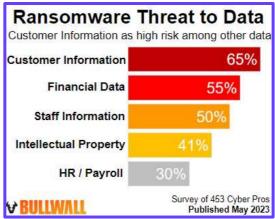


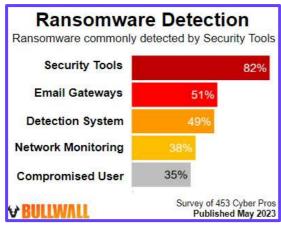


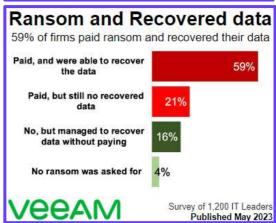


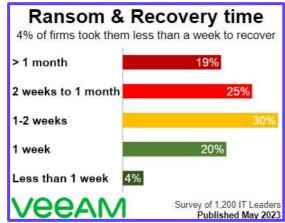
Cyber Insights: Ransomware Insights

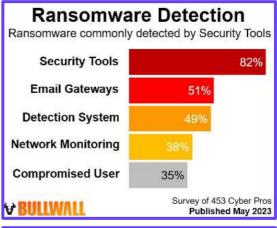


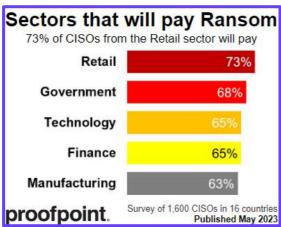








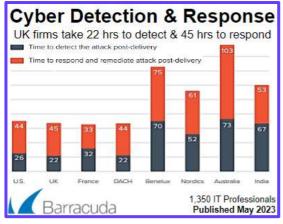




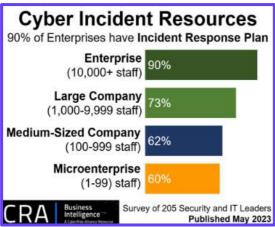


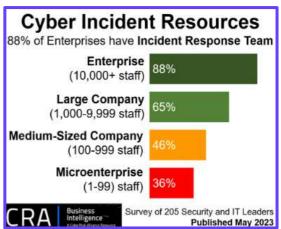


Cyber Insights: Incident Response

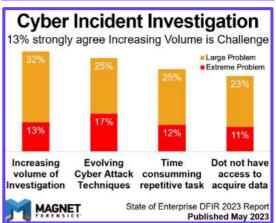


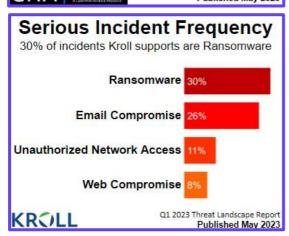


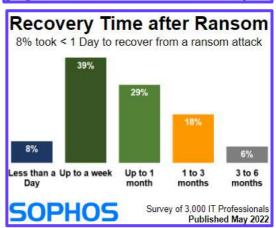










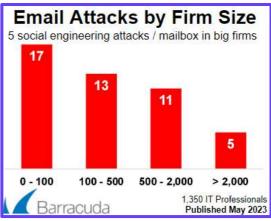




Cyber Insights: Email Threats

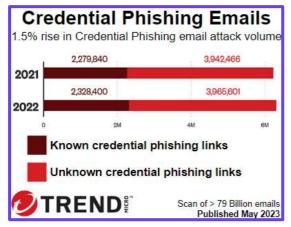
Click each image to see each report in full. All were published in month to March 2023

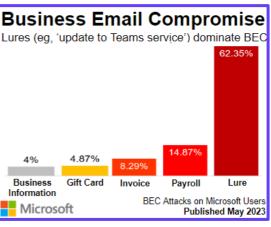


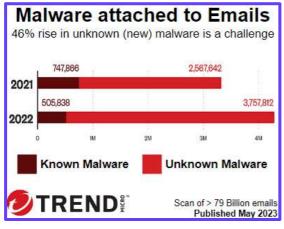




Spear Phishing Emails Spear phishing often leads to infected machines #1 = Machines Infected with viruses #2 = Sensitive Data Stolen #3 = Stolen log-in credentials #4 = Direct Monetary Loss #5 = Reputation Damage | 1,350 | T Professionals Published May 2023



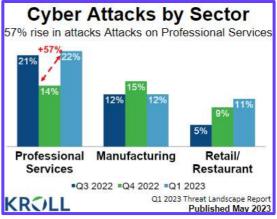


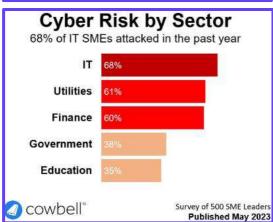


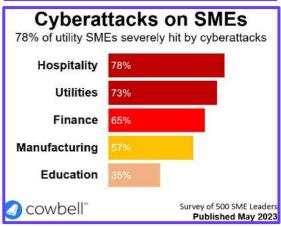


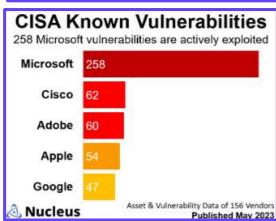
Cyber Insights: Cyber Attacks

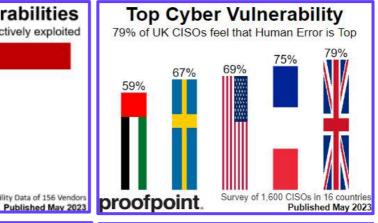




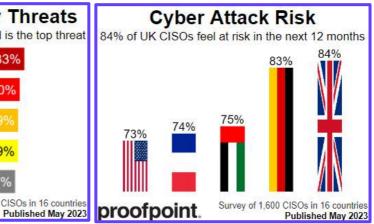






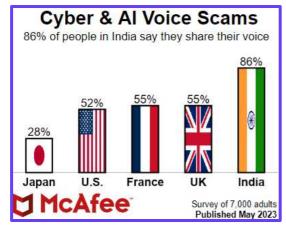


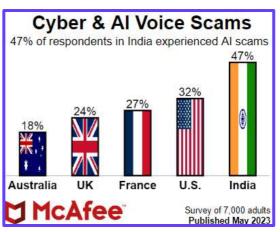


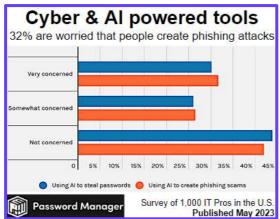


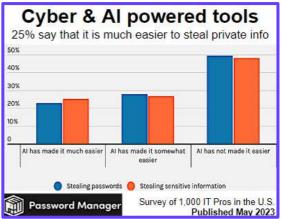


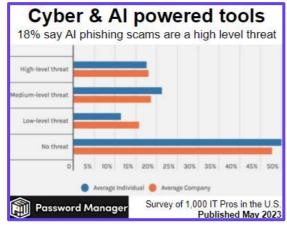
Cyber Insights: Al and Bots

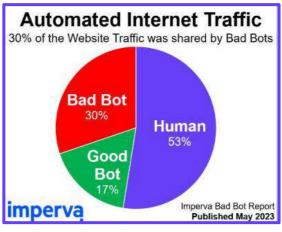


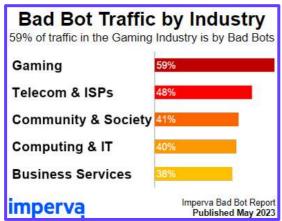


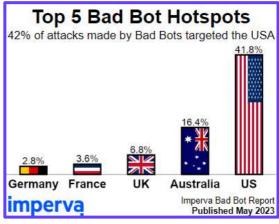








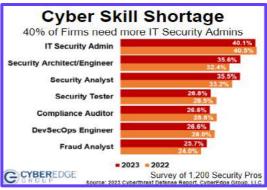






Cyber Insights: Cyber Talent & Staff



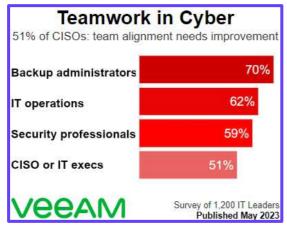










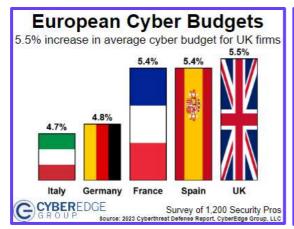


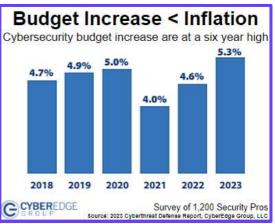


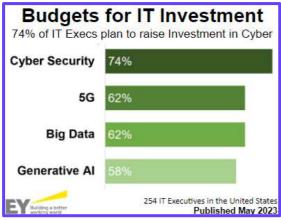


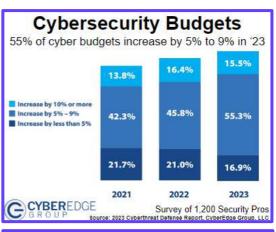
Cyber Insights: Budget & Salaries

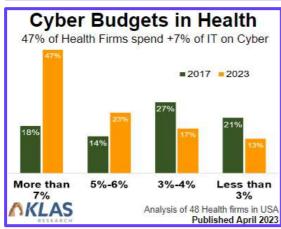
Click each image to see each report in full. All were published in month to March 2023

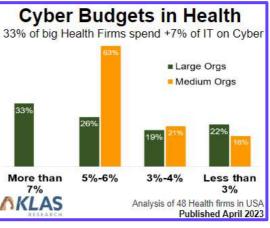












Most Popular Cyber Tools

Top 5 Controls at firms that don't claim on insurance

#1 = Hardening Techniques

#2 = Privileged Access

#3 = Endpoint Detection

#4 = Logging and Monitoring

#5 = Patched Systems

Marsh

Analysis of Claims on Cyber Insurance Published April 2023

Best Cyber Investments

Top 5 tools used at firms that buy cyber insurance

#1 = Hardening Techniques

#2 = Cybersecurity Training

#3 = Endpoint Detection

#4 = Logging and Monitoring

#5 = Email Filtering



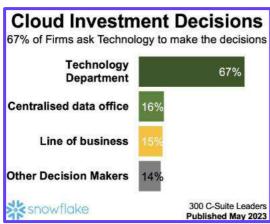
Analysis of Claims on Cyber Insurance Published April 2023

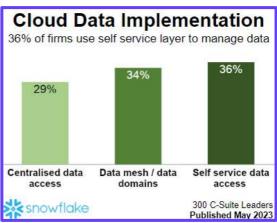


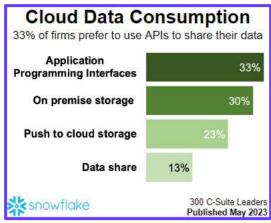
Cyber Insights: Cloud Risks

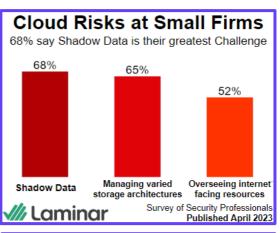


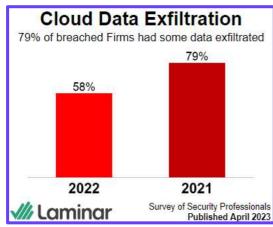
















Cyber Insights: Cyber Resilience

Click each image to see each report in full. All were published in month to March 2023

Operational Resilience

Top Priority = Identify Important Business Services

#1 = Identify Important Bus Services

#2 = Establish Impact Tolerances

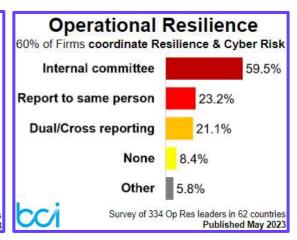
#3 = Prioritise Vulnerabilities

#4 = Rehearse Plausible Scenarios

#5 = Perform IBS Self Assessment

<u>bci</u>

Survey of 334 Op Res leaders in 62 countries Published May 2023



Operational Resilience 60% of Firms coordinate Resilience & Cyber Risk Internal committee Report to same person Dual/Cross reporting 21.1% None 8.4% Other 5.8% Survey of 334 Op Res leaders in 62 countries Published May 2023



Operational Resilience

32% of Op Res staff adhere to UK's FCA Approach

#1 = UK's **FCA** Approach (32%)

#2 = EU's **DORA** Act (22%)

#3 = UK's **PRA** Approach (22%)

#4 = Basel Committee **BCBS** (22%)

#5 = USA OCC Sound Practices (14%)

CCI

334 Op Res leaders in 62 countries Published May 2023



Cyber Security Maturity Intrusion-free firms had 25% boost in cyber maturity

25% 27% ^{37%}

6 to 9 0 1 to 2 3 to 5

Survey of 570 OT Professionals
Published May 2023

Operational Resilience

Top Challenge now is "Embedding OR in our firm"

#1 = To **Embed** Operational Resilience

#2 = Not enough Staff to Implement

#3 = Monitor Supply Chain Risks

#4 = Address Legacy Infrastructure

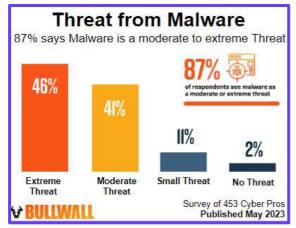
#5 = Governance of Resilience

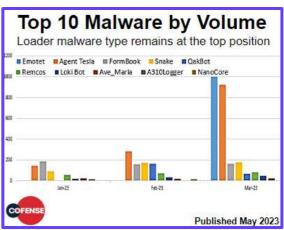
334 Op Res leaders in 62 countries
Published May 2023



Cyber Insights: Malware & other Threats

Click each image to see each report in full. All were published in month to March 2023





Top Malware Tools

Sliver now ranked as the top Malware threat

#1 = Sliver

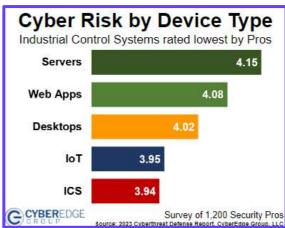
#2 = EMOTET

#3 = Redline Stealer

#4 = Cobalt Strike

#5 = GootKit

KROLL Q1 2023 Threat Landscape Report
Published May 2023



Cyber Breaches in Industry

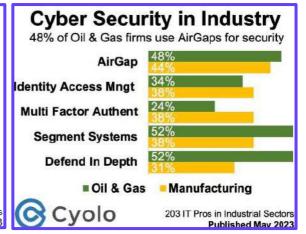
32% say both IT and OT systems were impacted

Enterprise IT Systems 51%

Both IT & OT Systems 32%

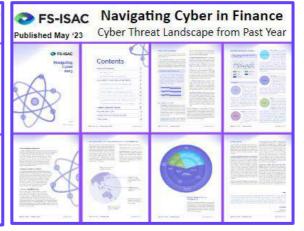
OT Systems 17%

Survey of 570 OT Professionals
Published May 2023





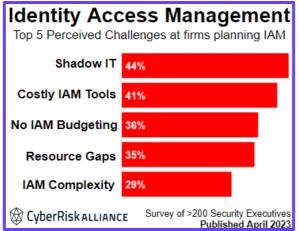




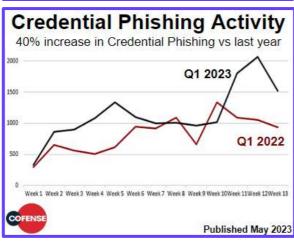


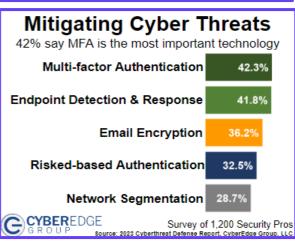
Cyber Insights: Access Management

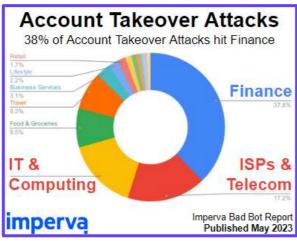
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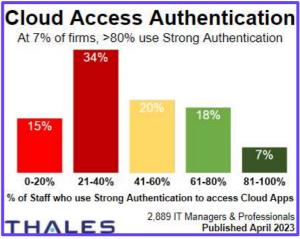




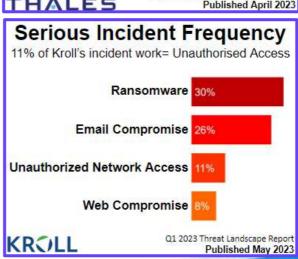








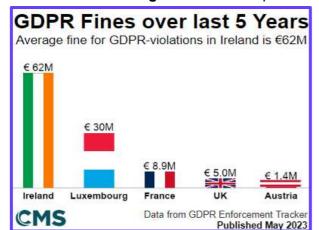
Cyber Security in Industry Visibility is Top Priority for Securing Remote Access #1 = Visibility #2 = User Education #3 = Access Control #4 = End of Life OS #5 = Policy & Enforcement Cyolo 203 IT Pros in Industrial Sectors Published May 2023

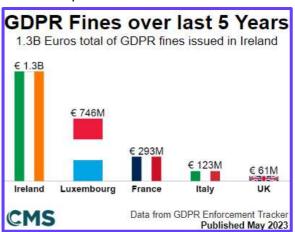


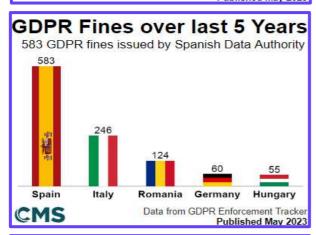


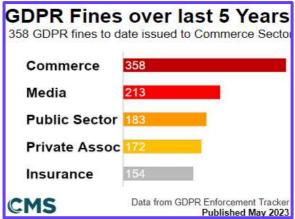
Cyber Insights: Cyber Fines & Costs

Click each image to see each report in full. All were published in month to March 2023









GDPR Fines by Violations

Insufficient Legal Basis is the Leading Reason

#1 = Insufficient Legal Basis

#2 = Insufficient Cyber Security

#3 = Non-compliance With GDPR

#4 = Data Subject Rights Not Fulfilled

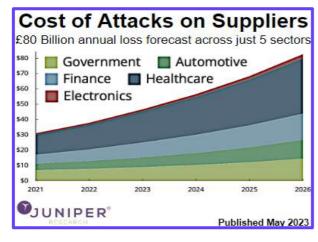
#5 = Info Obligations Not Fulfilled

CMS

Data from GDPR Enforcement Tracker

Published May 2023

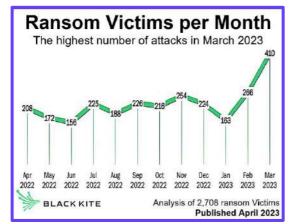


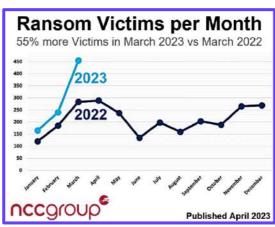




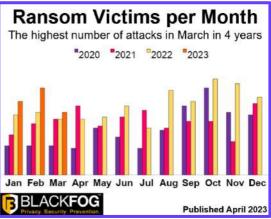


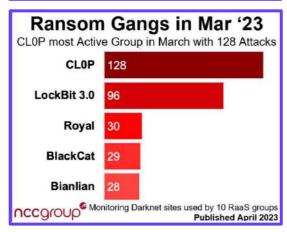
Cyber Insights: Ransomware Attacks UP





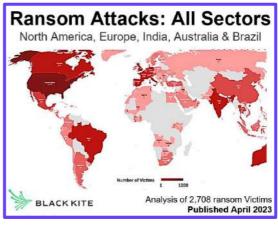






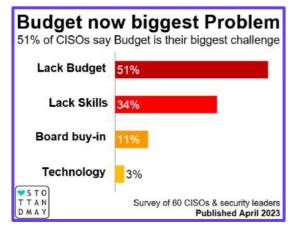


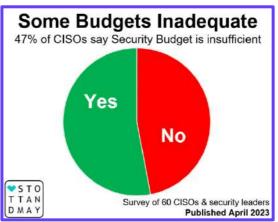


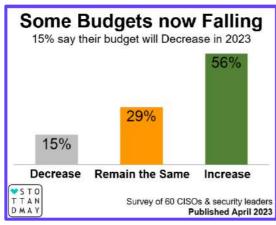


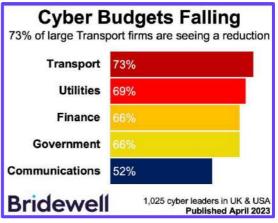


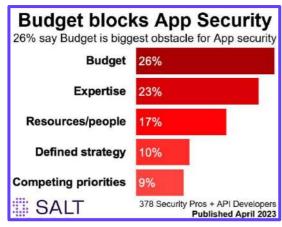
Cyber Insights: Budget & Salaries

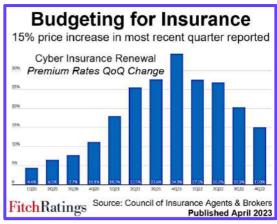










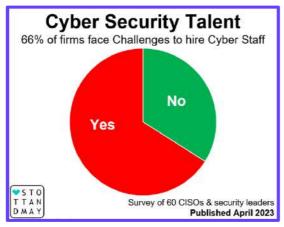








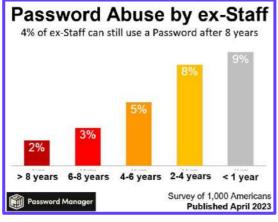
Cyber Insights: Cyber Talent & Staff



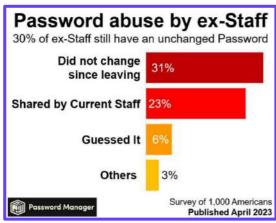






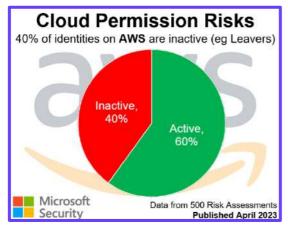


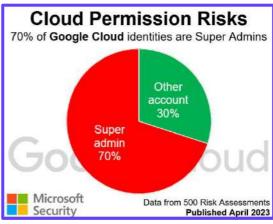


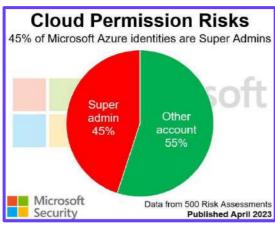


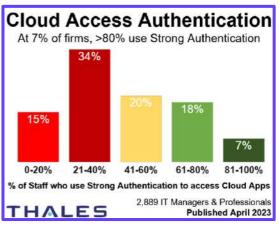


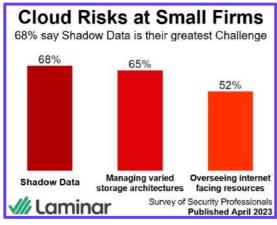
Cyber Insights: Cloud Risks

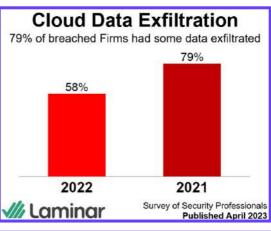


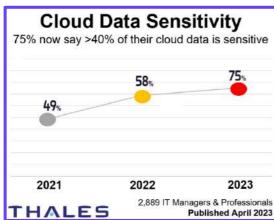
















Cyber Insights: Cyber Resilience

Click each image to see each report in full. All were published in month to May 2023



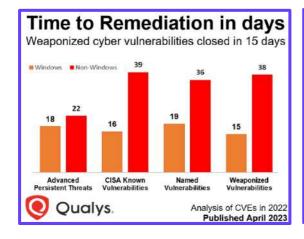
Sharing Resilience Insights 79% share Resilience Insights with Executive Team Executive Team 79% Risk Management 69% Crisis Management 68% Cybersecurity 599 Business Unit Heads [33]

Tiluminr 180 Business Continuity Leaders Published April 2023

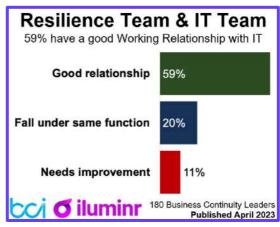
#1 = Training Software #2 = Data Analytics Software #3 = Mass Notification Software #4 = Risk Management Software #5 = Business Continuity Mgt Software 6 iluminr 180 Business Continuity Leaders Published April 2023

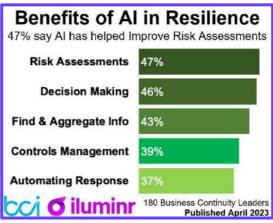
Operational Resilience Tools

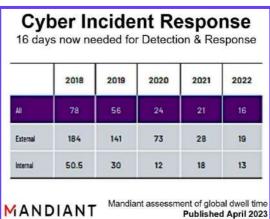
Training Software is most used to drive Resilience







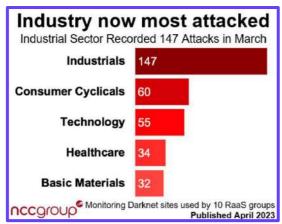


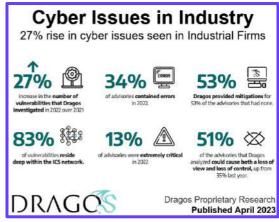




Cyber Insights: Cyber in Industry

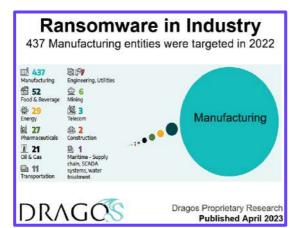
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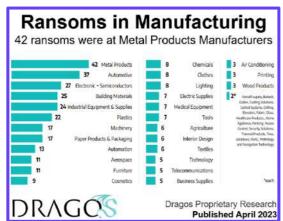


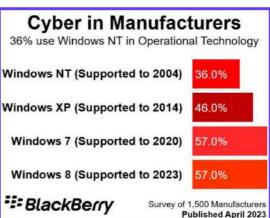
Ransomware in Industry Ransomware attacks targeting industry is up 87% 87% Ransomware attacks against industrial organizations increased 87 percent over last year. DRAGOS Proprietary Research Published April 2023





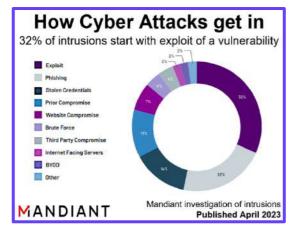


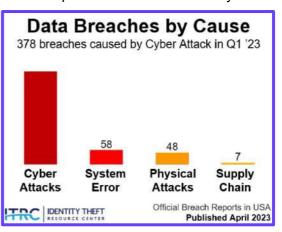




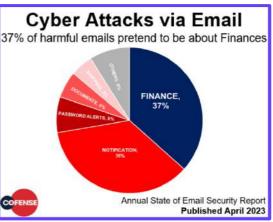


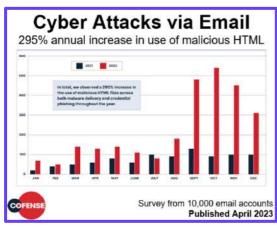
Cyber Insights: Attack Vectors

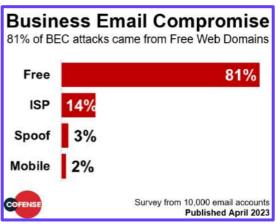










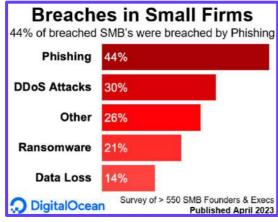




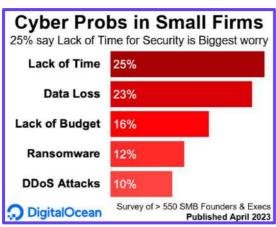


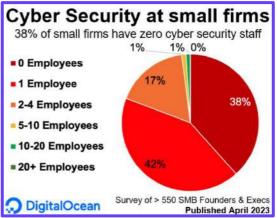


Cyber Insights: Small Firms, & APIs

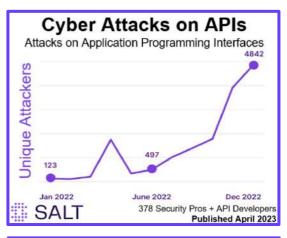


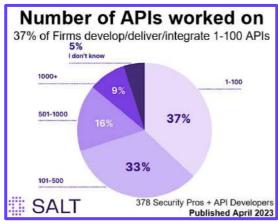


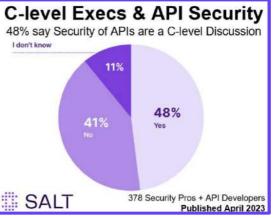






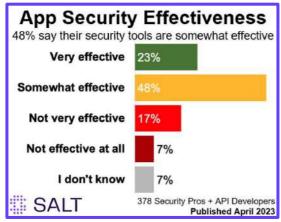


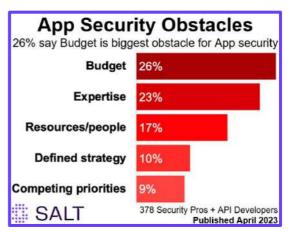


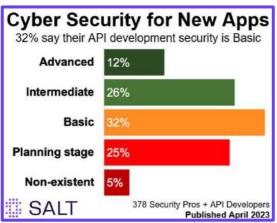


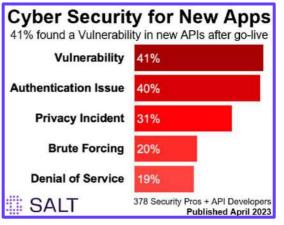


Cyber Insights: Cyber Security for Apps

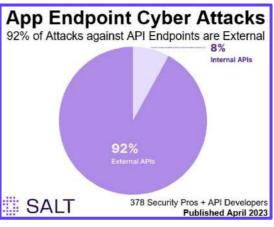


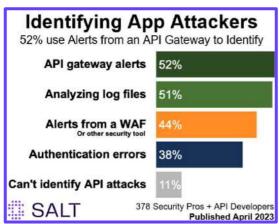


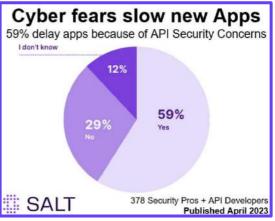






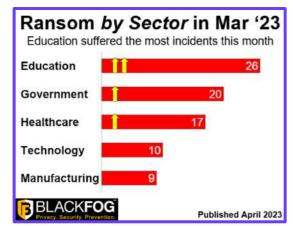


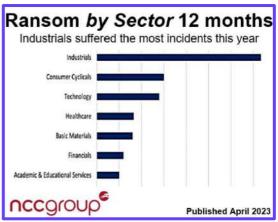


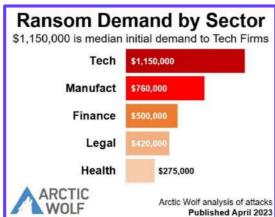


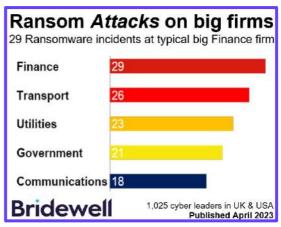


Cyber Insights: Ransom by Sector

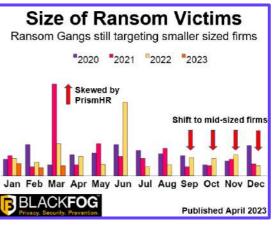


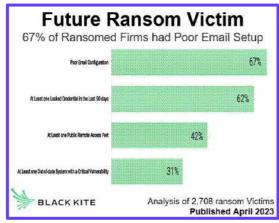


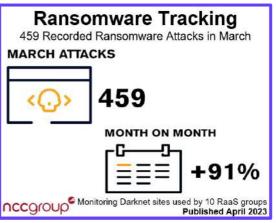












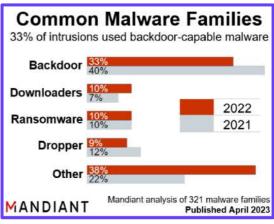


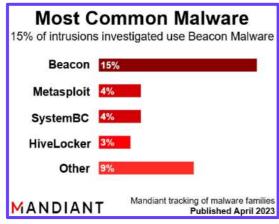
Cyber Insights: Threats and Malware

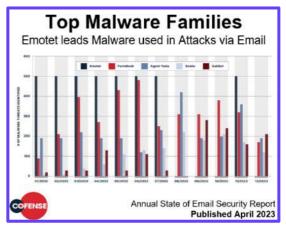


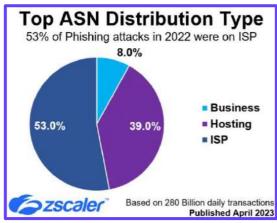








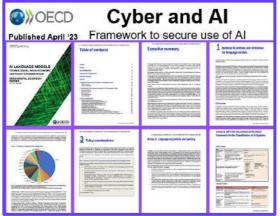


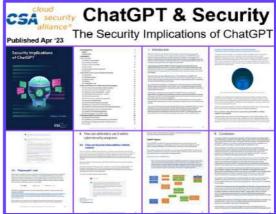






Cyber Insights: Detailed Report











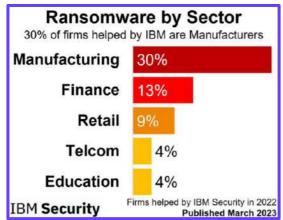


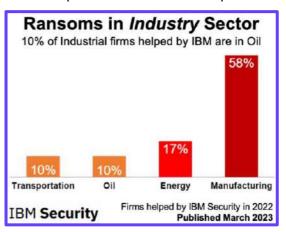


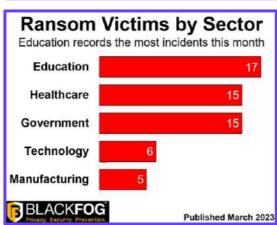


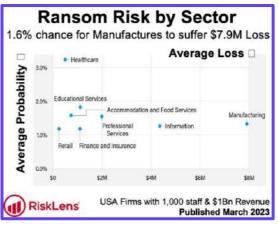


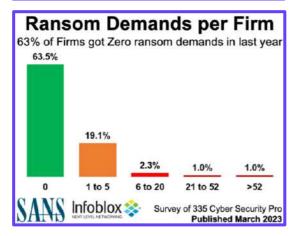
Cyber Insights: Ransom & Sectors

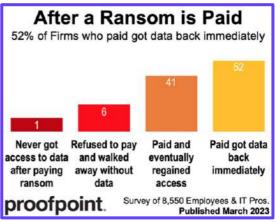




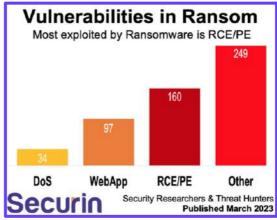










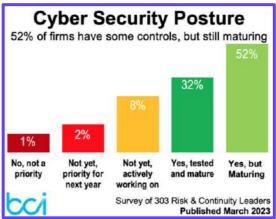




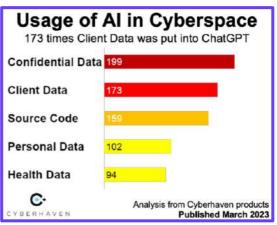
Cyber Insights: Cyber Risks & Vectors

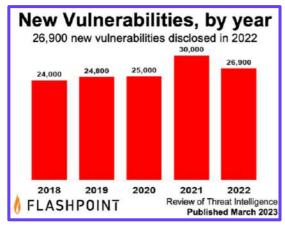
Click each image to see each report in full. All were published in month to April 2023

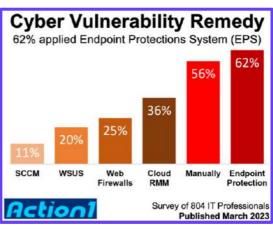


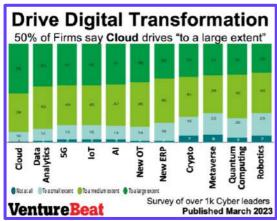


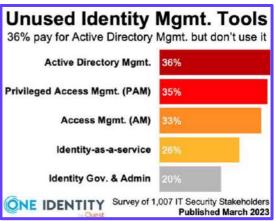
Threats to Ransom Defense #1 threat to ransom defense is lack of skilled staff #1 = Lack of skilled personnel #2 = Difficulty implementing tools #3 = Low staff security awareness #4 = Lack of effective solutions #5 = Lack of budget SpyCloud 310 cyber security leaders at large firms Published March 2023





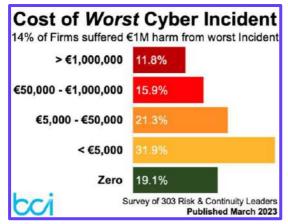


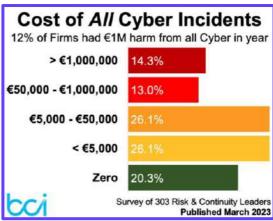


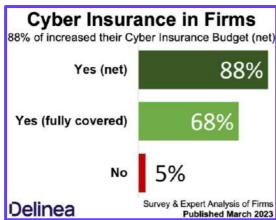


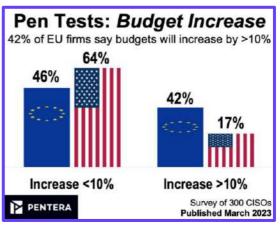


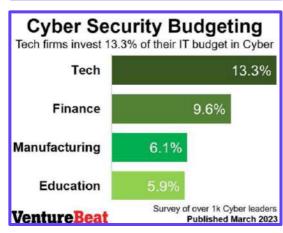
Cyber Insights: Cyber Finances

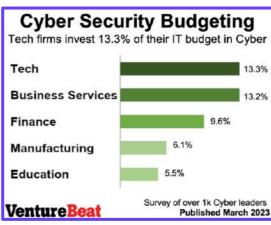


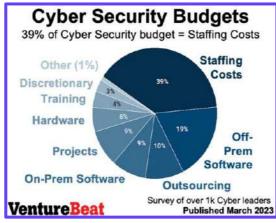










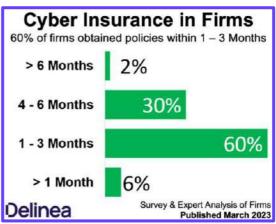




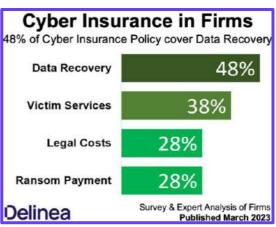


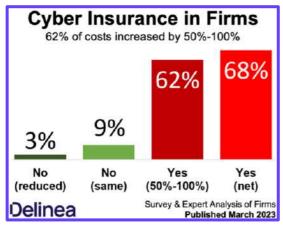
Cyber Insights: Cyber Insurance

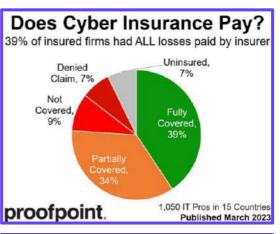


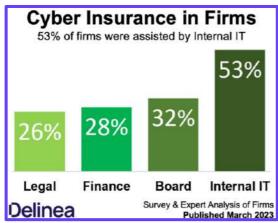


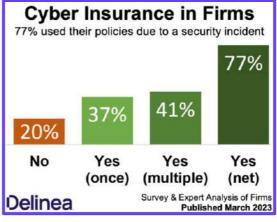






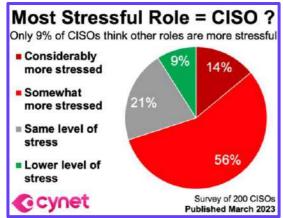


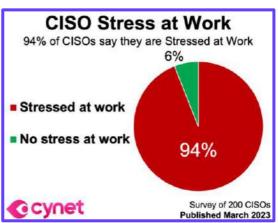


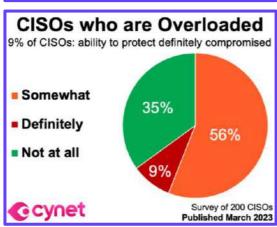


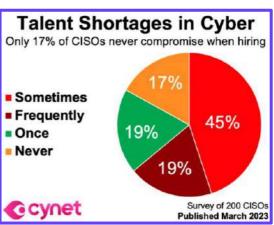


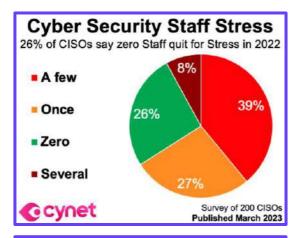
Cyber Insights: CISOs in Cyber

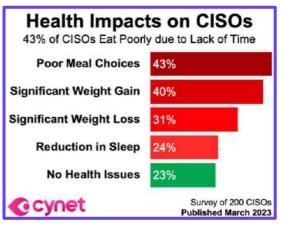










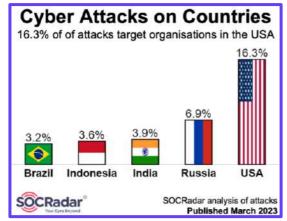


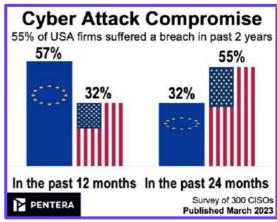






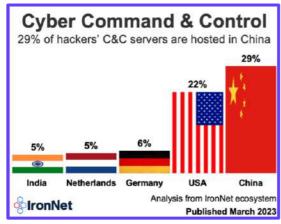
Cyber Insights: By Country & By Sector

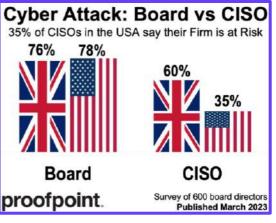


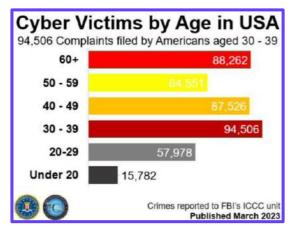


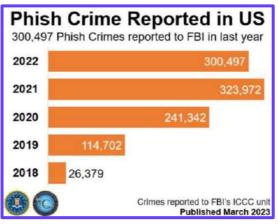






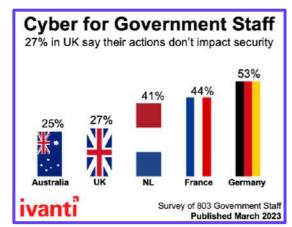


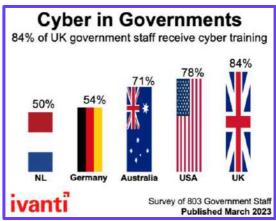


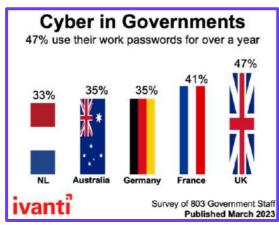


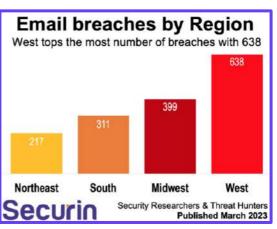


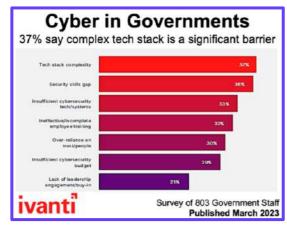
Cyber Insights: Government

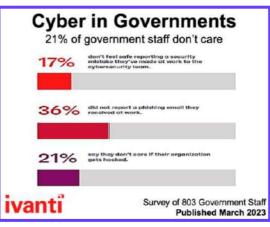


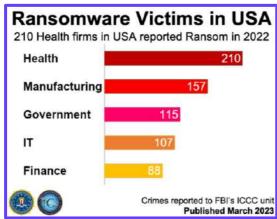


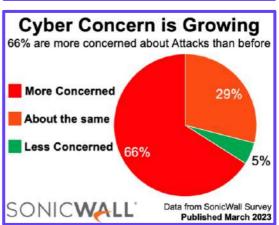








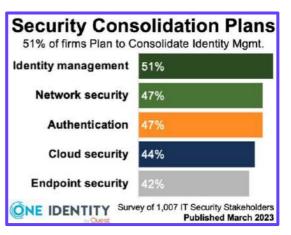




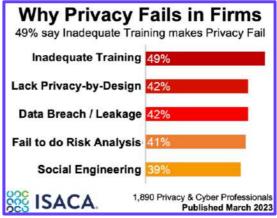


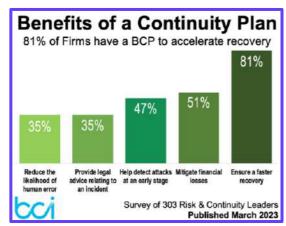
Cyber Insights: Consolidation & Mitigation

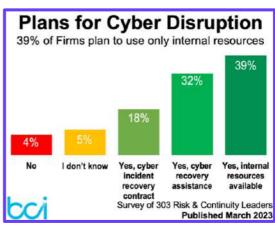










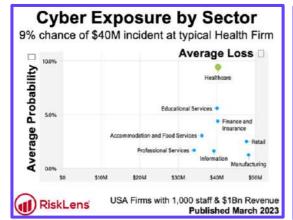




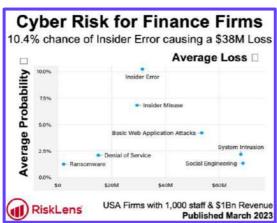


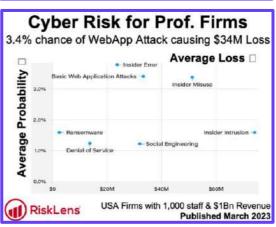


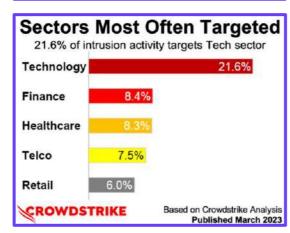
Cyber Insights: Cyber Risk in Sectors

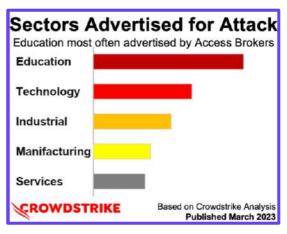


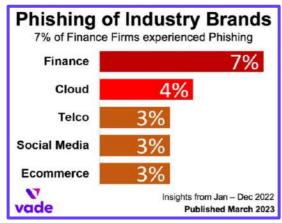


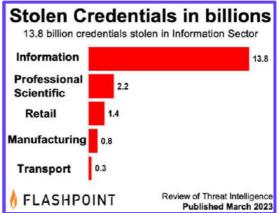






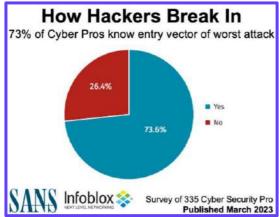




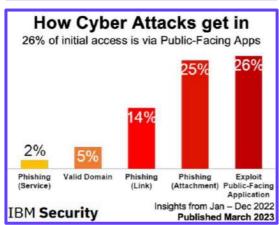


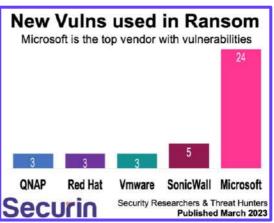


Cyber Insights: Cyber Initial Vectors





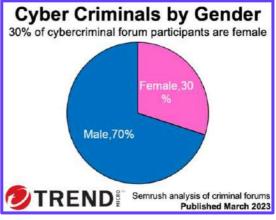






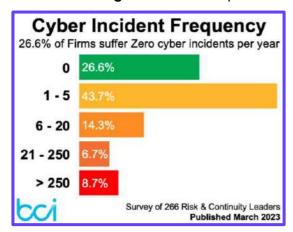


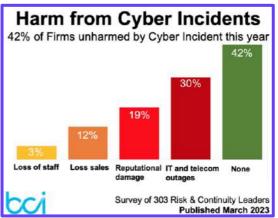


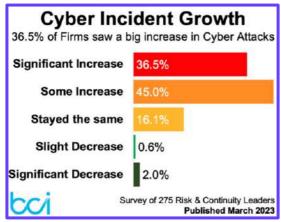


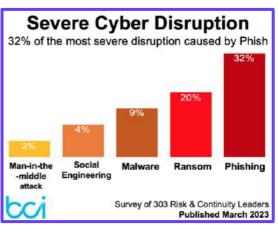


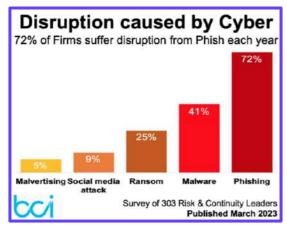
Cyber Insights: Cyber Disruption



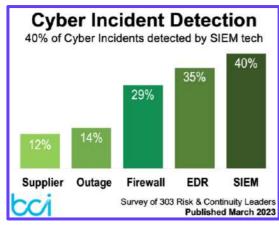


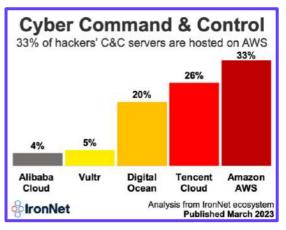






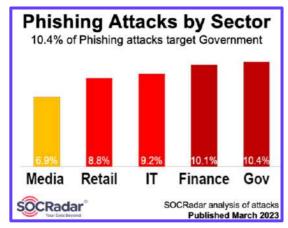


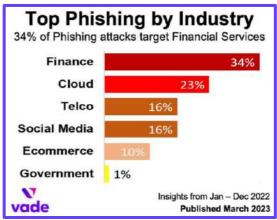


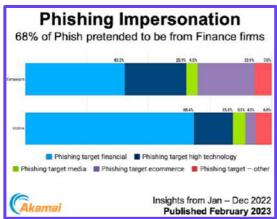




Cyber Insights: Phishing

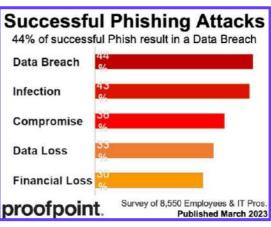




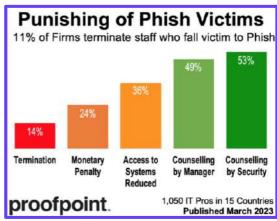






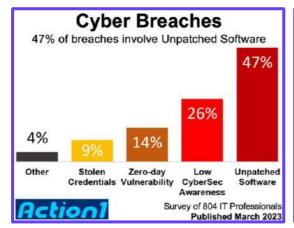


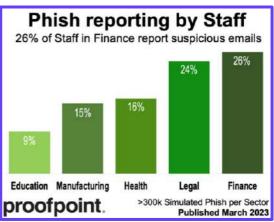


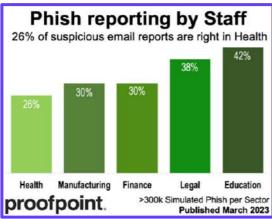




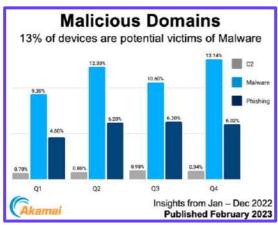
Cyber Insights: Phish & Attacks

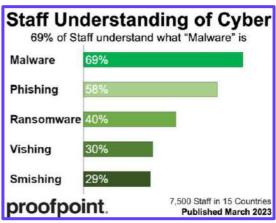




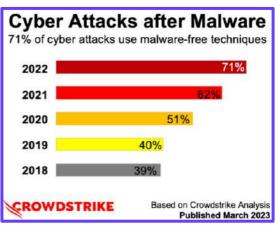






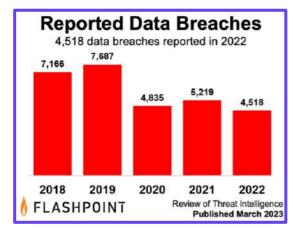




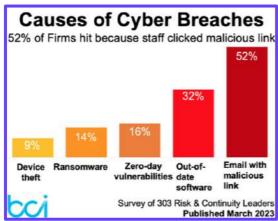


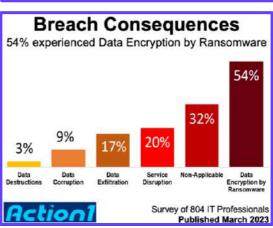


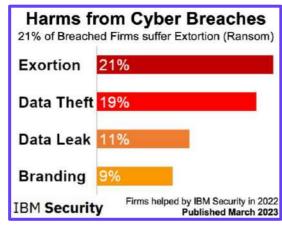
Cyber Insights: Threats & Breaches



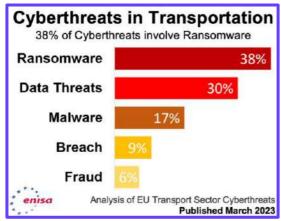


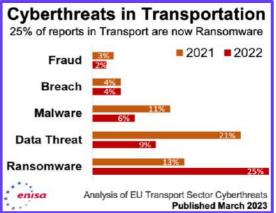








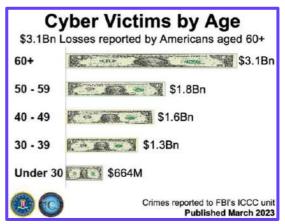


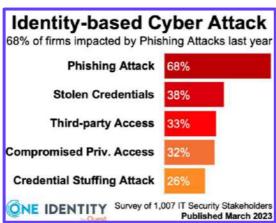


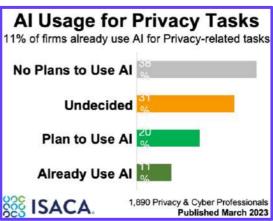


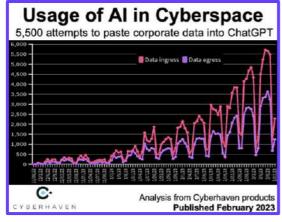
Cyber Insights: Cybercrime & Identity

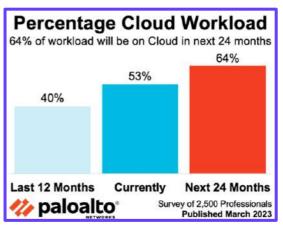


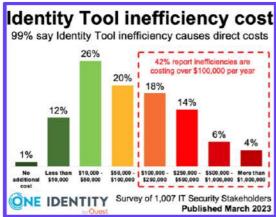


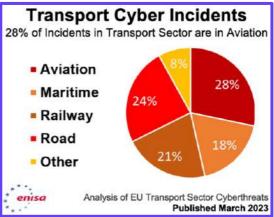






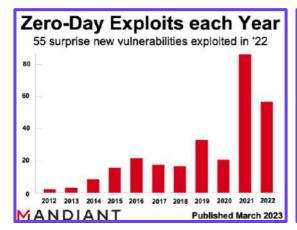


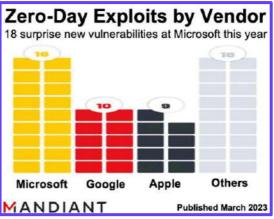




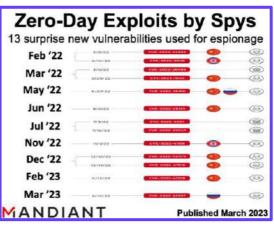


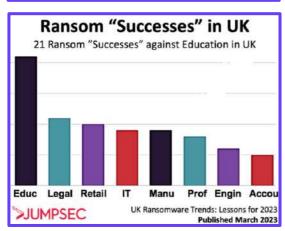
Cyber Insights: Cyber Challenges & Exploits

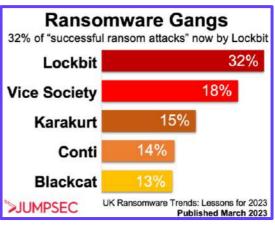


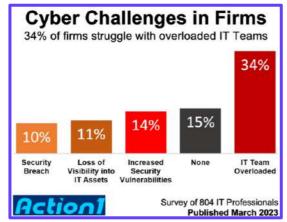








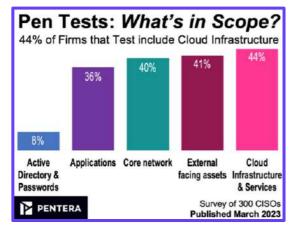


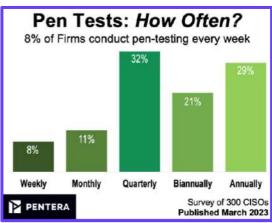


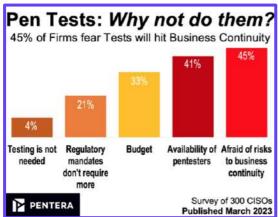


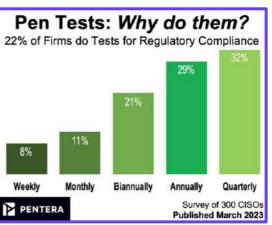


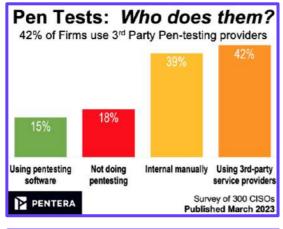
Cyber Insights: Pen Tests

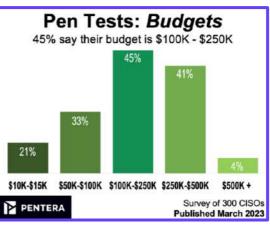




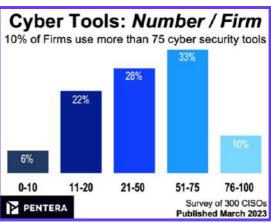














Cyber Insights: Rankings in Cyber

Click each image to see each report in full. All were published in month to April 2023

What Drive Growth of Cloud

Top 5 Reasons for Firms to Expand in the Cloud

#1 = Expanding Products & Services

#2 = Increasing Efficiency & Agility

#3 = Creating new Processes & Workflows

#4 = Mitigating Business & Regulatory Risk

#5 = Expanding into New Markets



Survey of 2.500 Professionals **Published March 2023**

Ensuring Cyber Resilience

Top 5 Practices by Firms to ensure Cyber Resilience

#1 = Regularly back-up Critical Data

#2 = Comply with good cyber practices

#3 = Regularly Patch Software & Apps

#4 = Regular Penetration Testing

#5 = Align to Industry Regulations



Survey of 303 Risk & Continuity Leaders Published March 2023

Cyber Security Incidents

Top 5 Cyber Security Incidents

#1 = Early Risk in App Development

#2 = Images with Vulnerabilities or Malware

#3 = Vulnerable Web Apps & APIs

#4 = Unrestricted Network Access

#5 = Downtime due to Misconfiguration



Survey of 2,500 Professionals Published March 2023

Cyber Response Planning

Top 5 ways Firms validate Cyber Response Plans

#1 = Regularly Conduct Exercises

#2 = Conduct Penetration Tests

#3 = Run awareness-raising initiatives

#4 = Outcome Reports & Action Plans

#5 = Use External Specialists



Survey of 303 Risk & Continuity Leader **Published March 2023**

Finance Impersonation

PayPal most impersonated brand in Finance

#1 = PayPal

#2 = MTB

#3 = Crédit Agricole

#4 = La Banque Postale

#5 = WellsFargo



Insights from Jan - Dec 2022 **Published March 2023**

Key Cyber Security Metrics

Top 5 Key Cyber Security Metrics

#1 = Mean Time to Detect

#2 = Mean Time to Remediate

#3 = Number of Breaches

#4 = Number of Intrusion Attempts

#5 = Unplanned Downtime



Survey of 2,500 Profession **Published March 2023**

Top Security Principles

Priorities from Australia's Cyber Security Center

#1 = Govern, eg manage risks

#2 = **Protect** eg create controls

#3 = Detect

#4 = Respond

ACSC Cyber Security
Centre

Australian Information Security Manual **Published February 2023**

Top 5 Myths in Ransomware

Debunking Five Ransomware Misconceptions

#1 = Sophisticated Hackers to blame

#2 = Large firms are most targeted

#3 = Contagion always spreads

#4 = Paying guarantees data restored

#5 = **Antivirus** stops all Ransomware



Published March 2023



Cyber Insights: Cyber Strategies

Click each image to see each report in full. All were published in month to April 2023



#1 = Defend Critical Infrastructure

+1 - Deletia Cittical Illinastructure

#2 = Disrupt & Dismantle Threat Actors

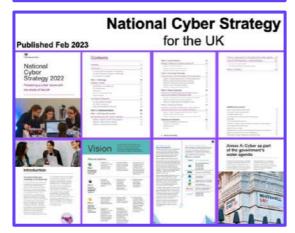
#3 = Shape Market to Drive Security

#4 = Invest in a Resilient Future

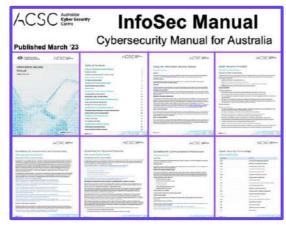
#5 = Forge International Partnerships

39 Page Document, with 27 Strategic Objectives
Published March 2023









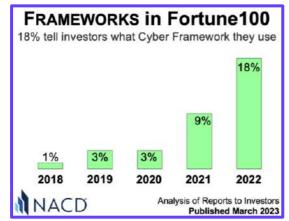


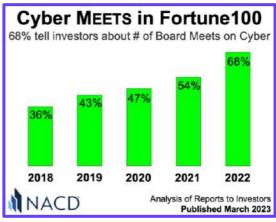


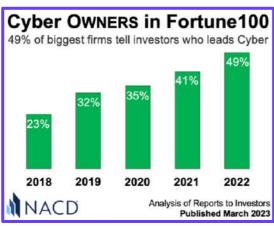


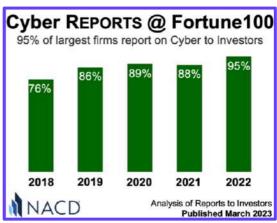


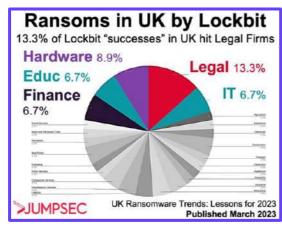
Cyber Insights: Reporting on Cyber

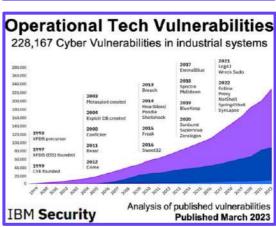


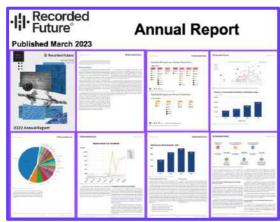








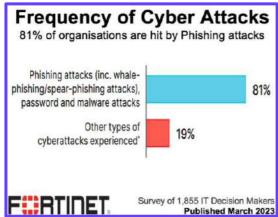




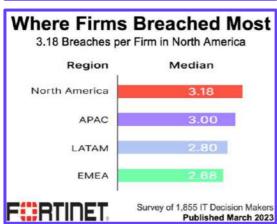


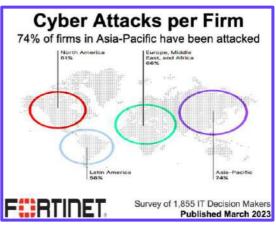


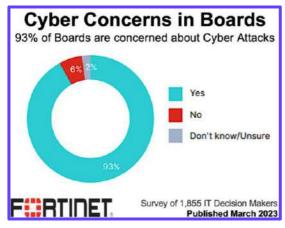
Cyber Insights: Cyber Skills Gap



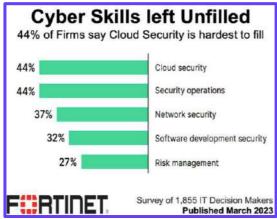






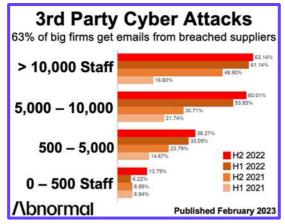


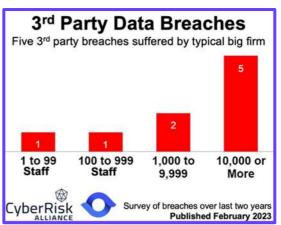


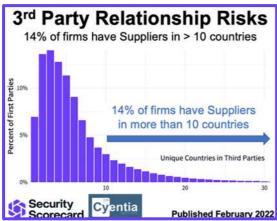


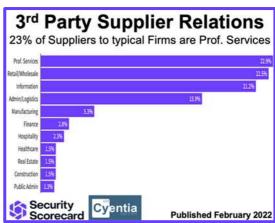


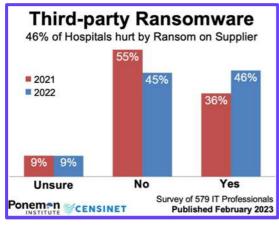






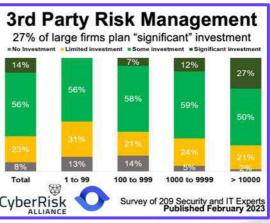










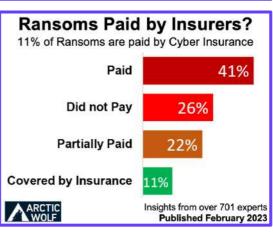


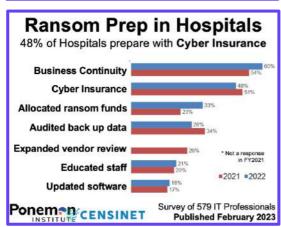




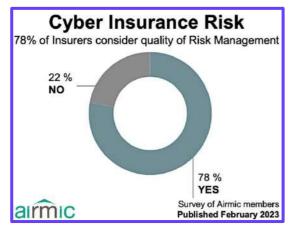


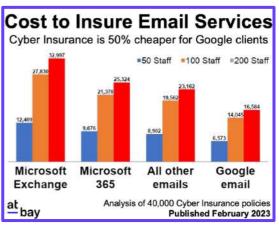


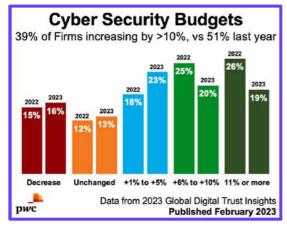


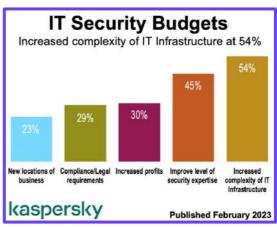


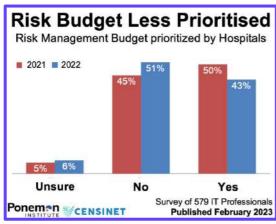


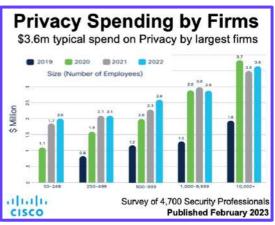


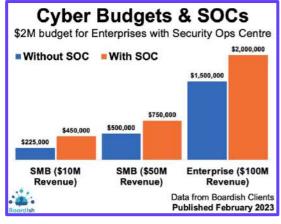






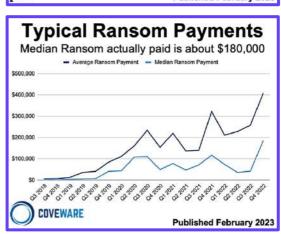






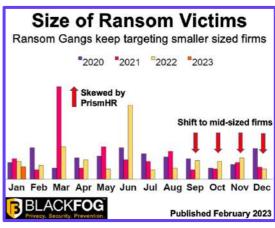


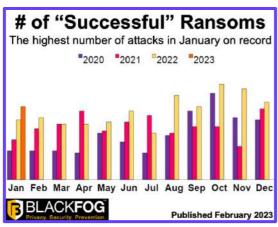


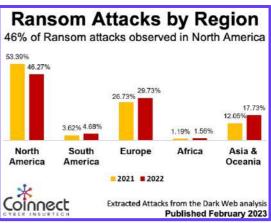


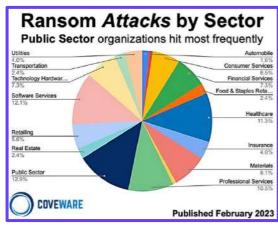


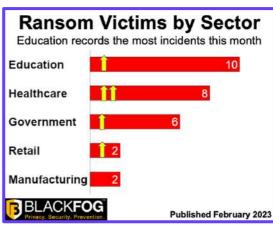


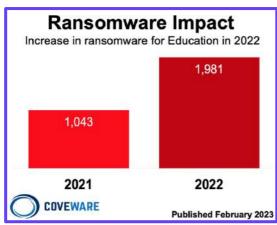


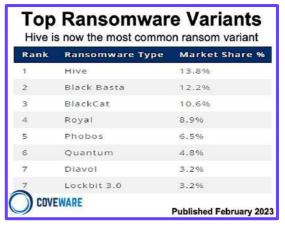




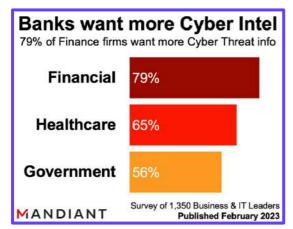




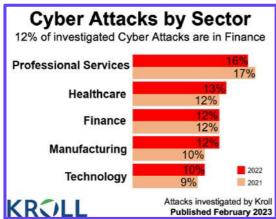


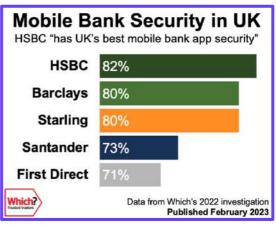


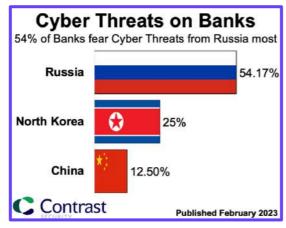


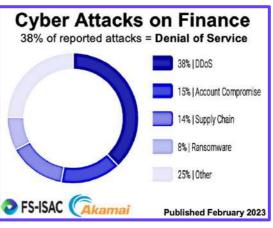


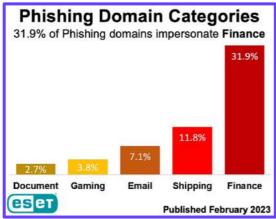


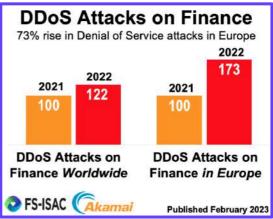




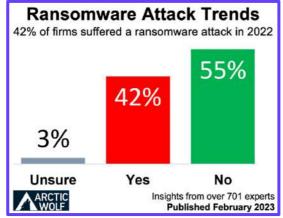


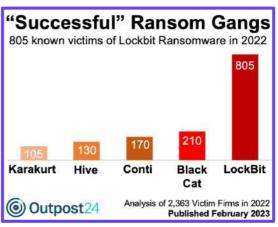


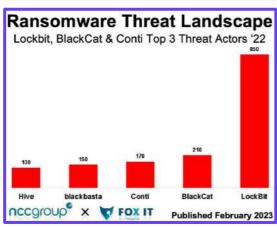


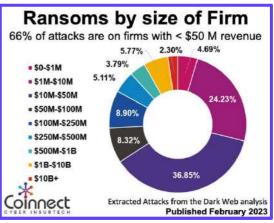


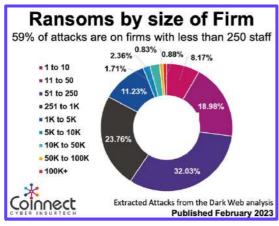


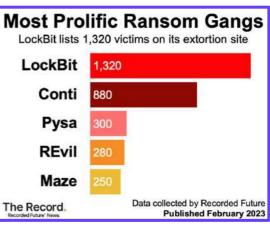


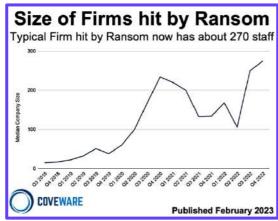






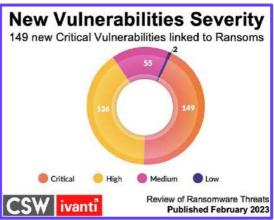


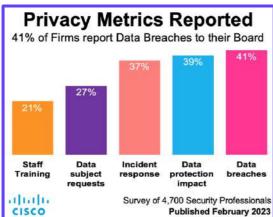


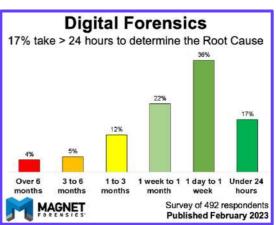


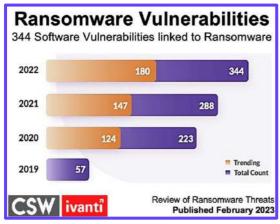


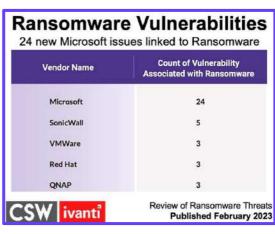




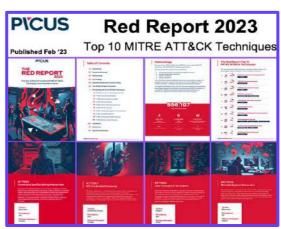




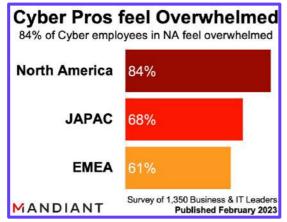






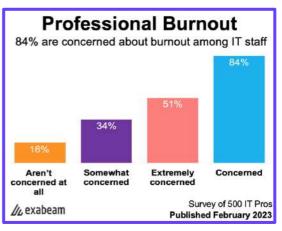


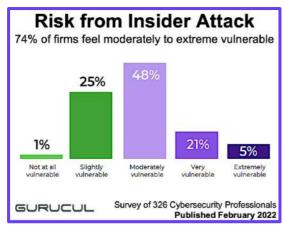




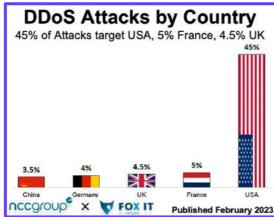


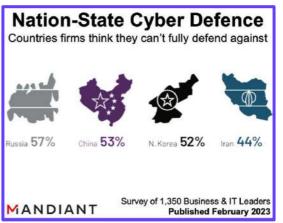




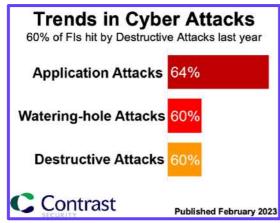


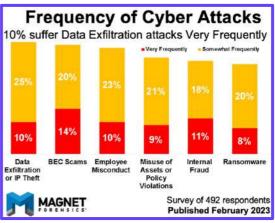


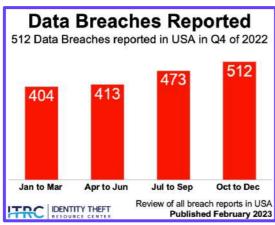




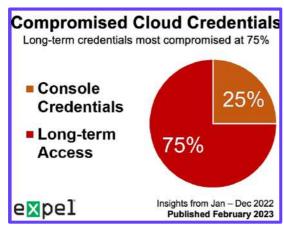


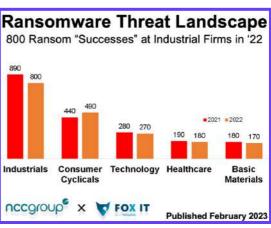


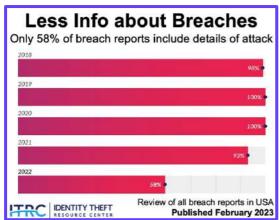


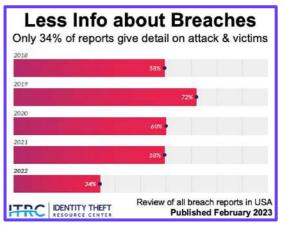






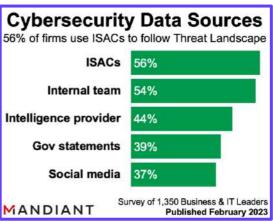


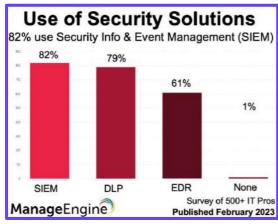


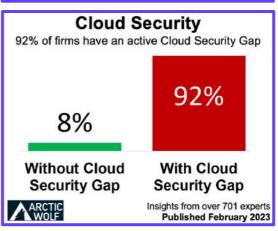








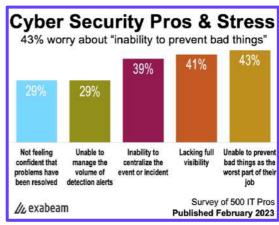




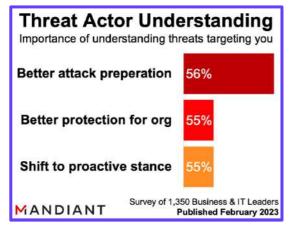




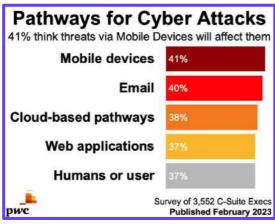


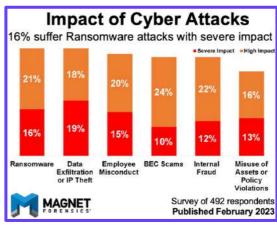


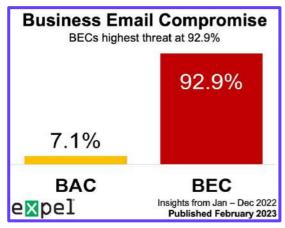


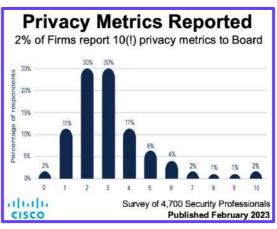






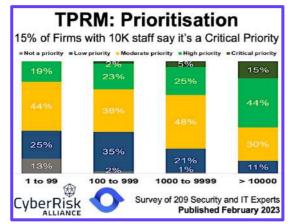


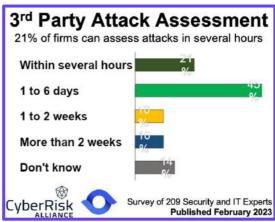


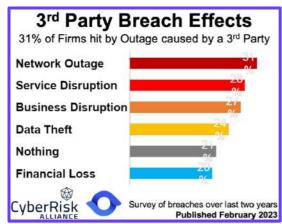


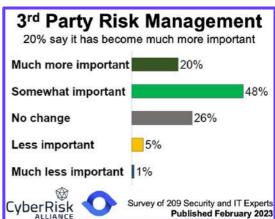


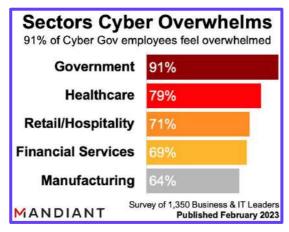
Ransomware Vulnerabilities 152 Microsoft issues are linked to Ransomware					
Vendor	Vulnerability Count				
Microsoft	152				
Red Hat	89				
Novell	82				
Gentoo	73				
Oracle	61				
CSW ivanti	Review of Ransomware Threats Published February 2023				

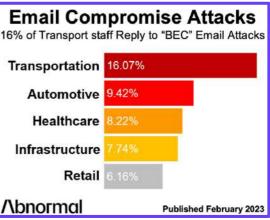


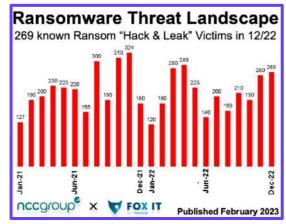


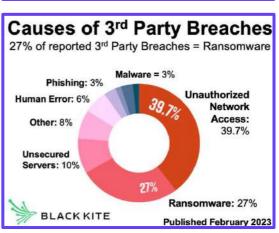




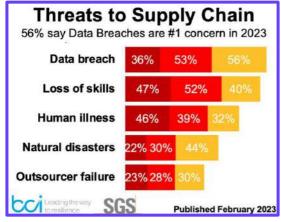






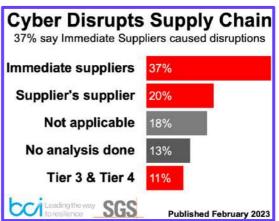


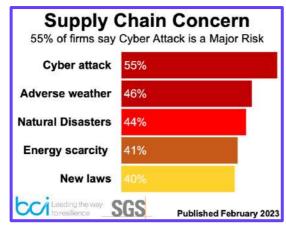


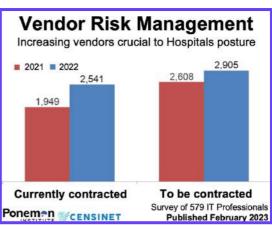


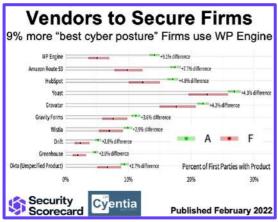


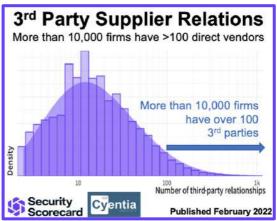




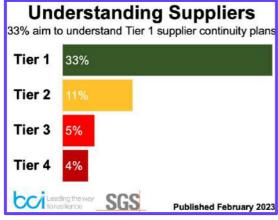


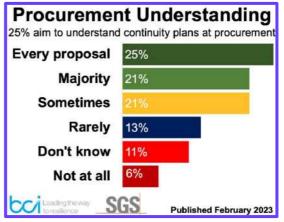


















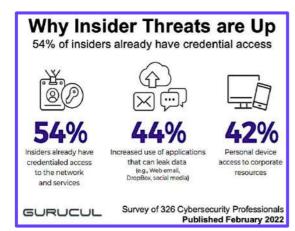


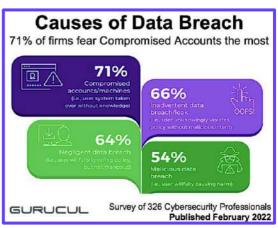




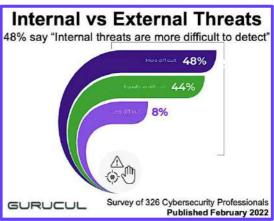


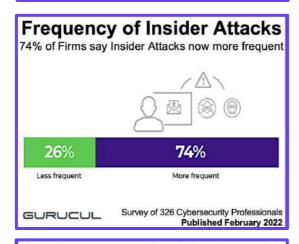
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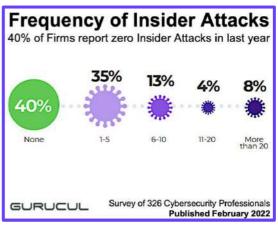




Motivations of Insider Attack 59% say Monetary Gain is the main motivation 2 Reputation damage 1 Monetary gain 50% 48% 46% 5 Sabotage 43% 5 Survey of 326 Cybersecurity Professionals Published February 2022



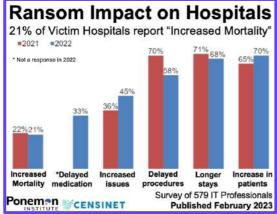


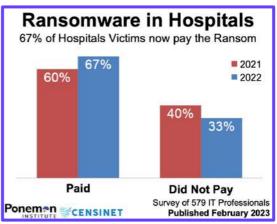


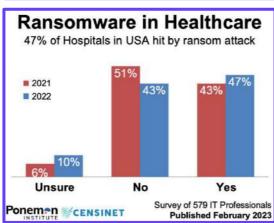
#1 impact of Insider Attacks #1 impact of Insider Attacks is "Loss of Critical Data" #1 = Loss of Critical Data #2 = Brand Damage #3 = Operation disruption #4 = Loss in Revenue #5 = Legal Liabilities Survey of 326 Cybersecurity Professionals Published February 2022

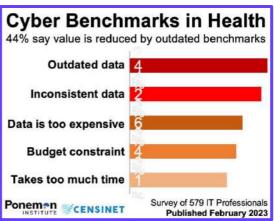
Name of the	Groups (APTs) use Maze cod Count of APT Groups Using		
Ransomware	the Ransomware		
Maze	7		
DarkSide	5		
Gimemo	4		
WannaCry	4		
BlackCat	3		

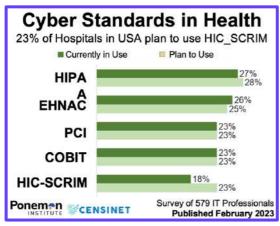


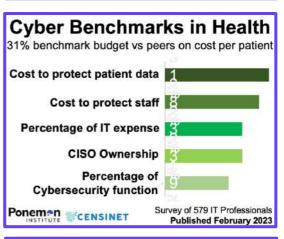




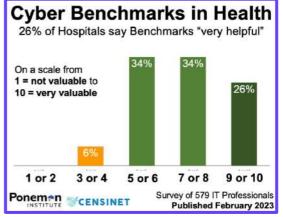




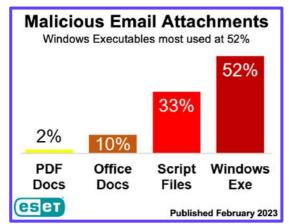


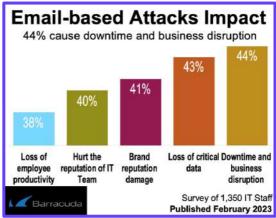


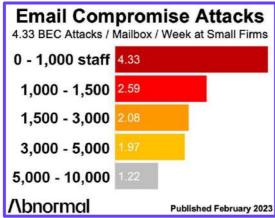


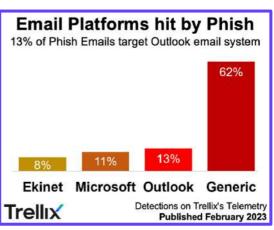


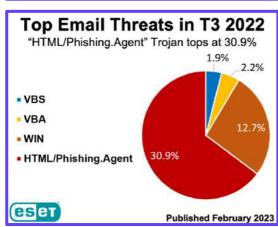




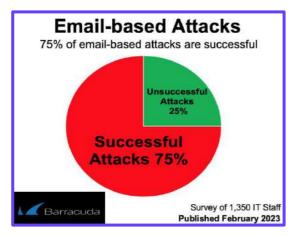


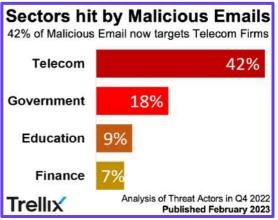


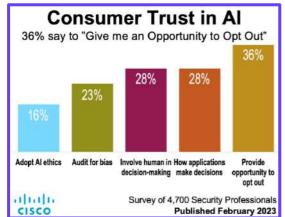


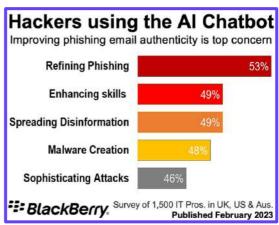


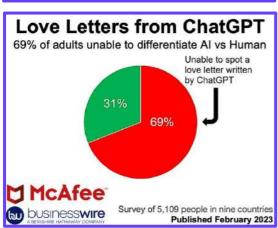


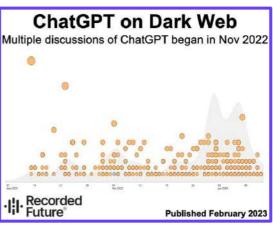


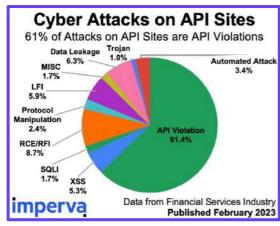




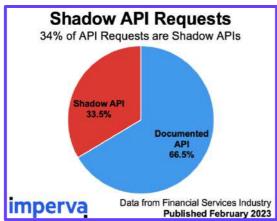


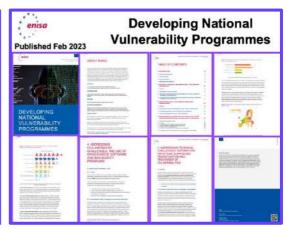




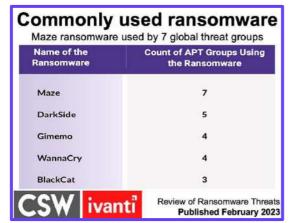


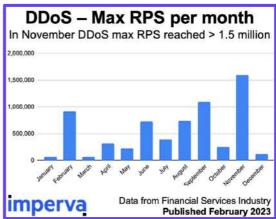


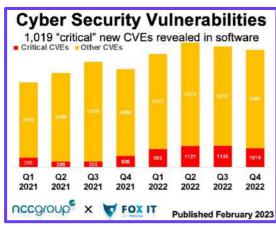




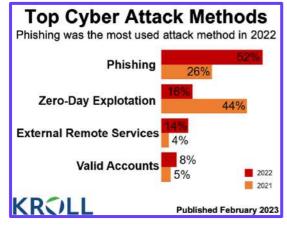


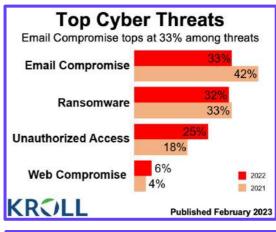


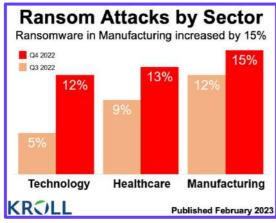








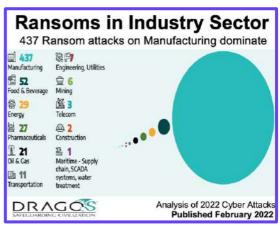


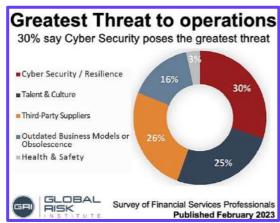


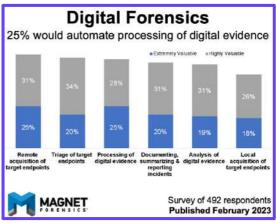


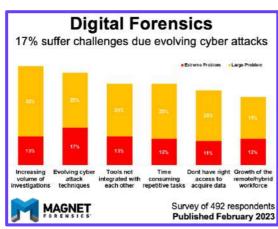


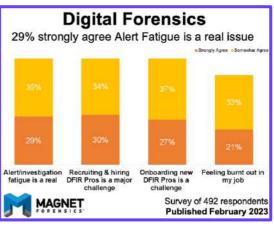




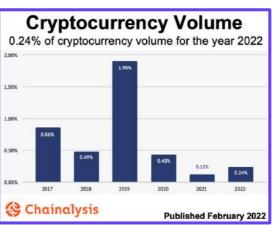






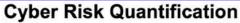








Click each image to see each report in full. All were published in March 2023



Top Five reasons that Firms implement CRQ

#1 = Assess ROI of cyber security

#2 = **Prioritise** Risk Remediations

#3 = Quantify risk from cyber threats

#4 = Calibrate risk transfer strategies

#5 = Justify budget for cyber security

FORRESTER'

Report on 15 CRQ vendors Published February 2023

Cyber Risk Quantification

Top three reasons for CISOs to implement CRQ

#1 = Standardise taxomony of risks

#2 = Reframe conversation about risk

#3 = Cement CISO's role as a partner

FORRESTER

Report on 15 CRQ vendo **Published February 2023**

Cyber Risk Quantification

Choose your Use Case column to find best Vendor

Vendor	Articulate ROI of current cybersecurity investment	Prioritize risk treatment and remediation strategies	Quantify current cybersecurity risk to boards of directors	Rationalize and colibrate risk transfer strategies	Justify current cybersecurity budget and future investment
Accenture	•		•		
Axio	•		•	•	•
Balbix			•		
Boston Consulting Group (BCG)	•	•	•		•
Cyberwrite			•		
Deloitte					•
EY	•				•
MBI	•	•			•
Kovir			•	•	•
KPMG	•	•			•
FORRESTER					Q vendors

Cyber Risk Quantification

Choose your Use Case to see needed Functionality

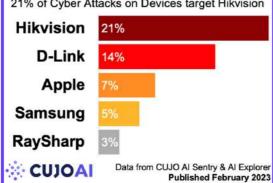
Articulate ROI of current cybersecurity investment	Prioritize risk treatment and remediation strategies	Quantify current cyber security risk to boards of directors	Rationalize and calibrate risk transfer strategies	Justify current cybersecurity budget and future investment
•		•	0	0
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•
0	0	•	0	0
•	•	•	•	•
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	of current cyburaccurity investment	of current cyberaecsity levestment strategies strategies	reference of extrement of extre	cyburnescrivity structurem struct

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Published February 2023

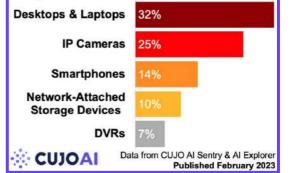
Cyber Attacks on Devices

21% of Cyber Attacks on Devices target Hikvision

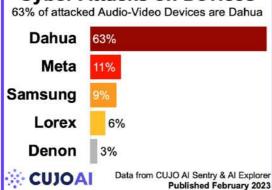


Cyber Attacks on Devices

Computers are most threatened device with 31.6%

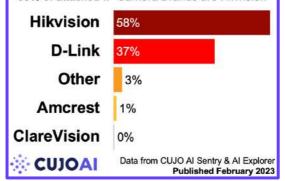


Cyber Attacks on Devices



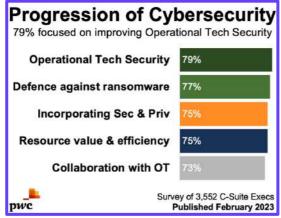
Cyber Attacks on Cameras

58% of attacked IP Camera Brands are Hikvision



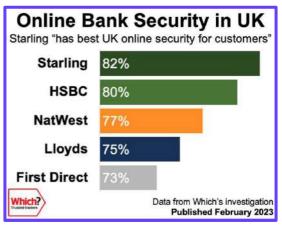


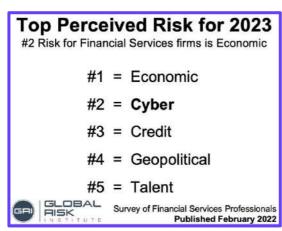
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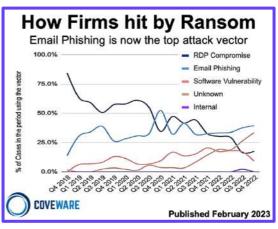


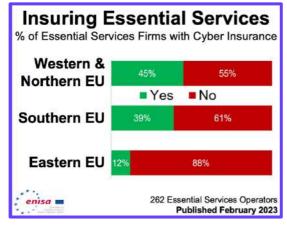
Cyber Security Culture Best Practices to Strengthen Cybersecurity Culture #1 = Treat Staff as Part of Solution #2 = Develop a Structured Roadmap #3 = Gain Leadership Support #4 = Boost Cybersecurity Knowledge Forbes Published February 2023















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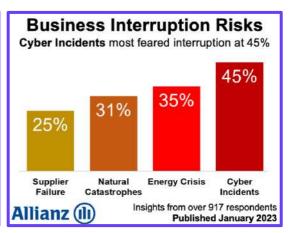
Top Global Business Risks Experts list Cyber Incidents as key a risk #1 = Cyber Incidents #2 = Business Interruption #3 = Macroeconomic developments

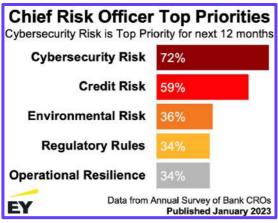
#4 = Energy Crisis

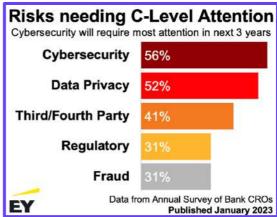
#5 = Legislation & Regulation changes

Allianz (11)

Insights from over 2,712 respondents
Published January 2023

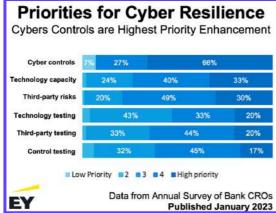


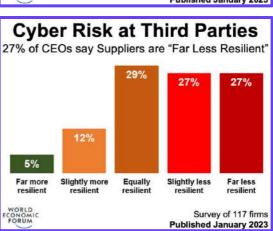






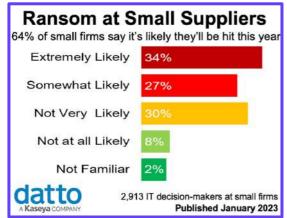


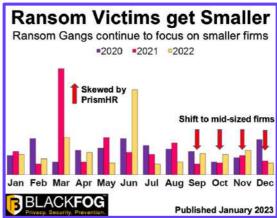


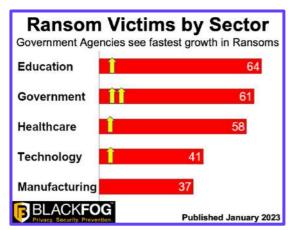


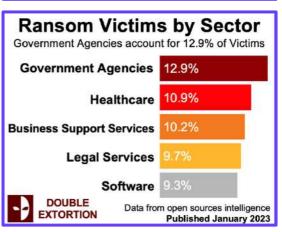


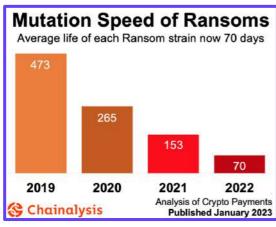
Cyber Insights: Ransomware Attacks

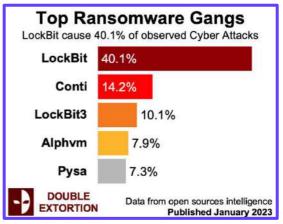


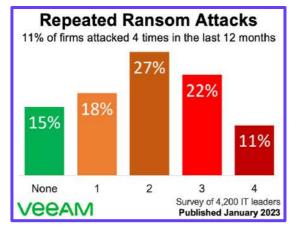


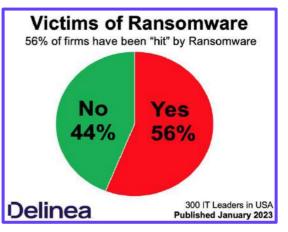






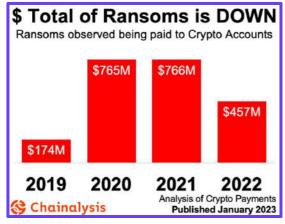




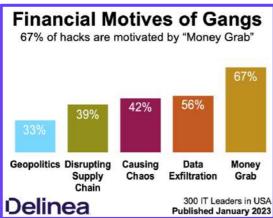




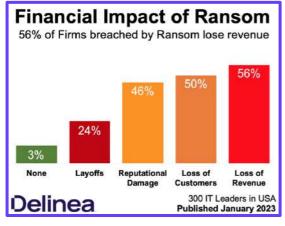
Cyber Insights: Cyber Financials

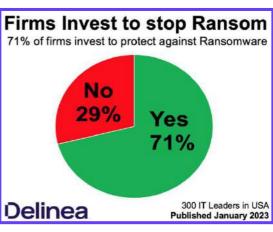


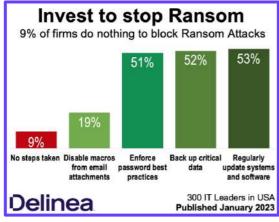


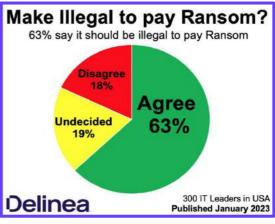




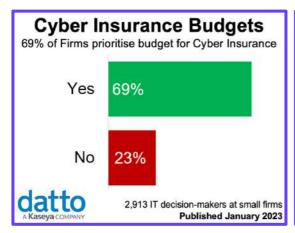


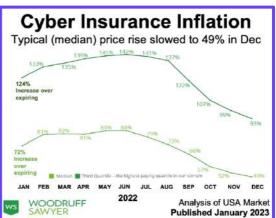


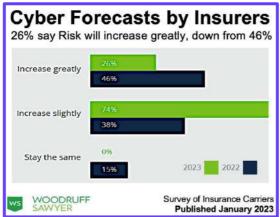


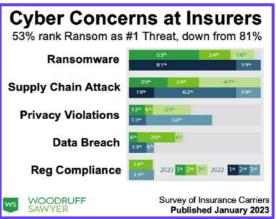


Cyber Insights: Cyber Insurance

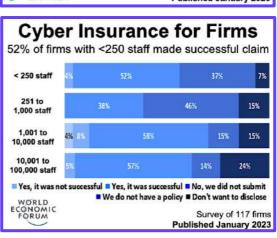


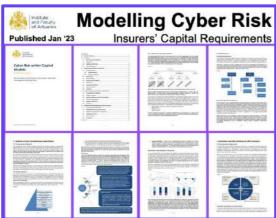










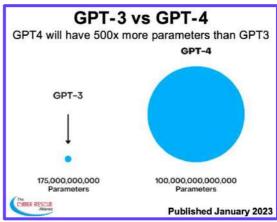


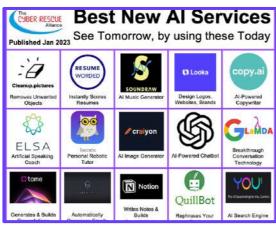


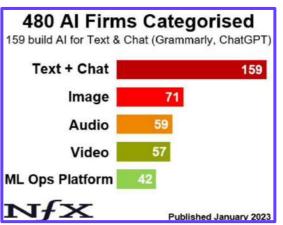


Cyber Insights: Cyber Al

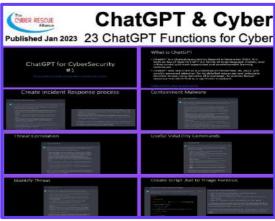


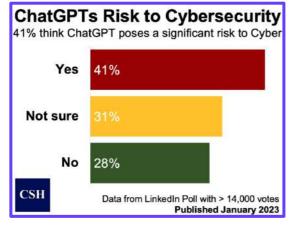














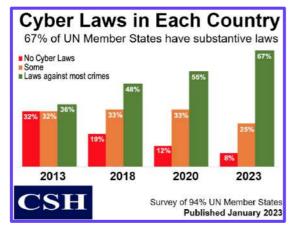


Cyber Insights: Cyber Governance

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Davos Report on Risks to Firms Experts list Cyber Insecurity as key a risk to 2025 #1 = Cost of Living Crisis #2 = Natural Disasters #3 = Geo-Economic confrontation #4 = Cyber Insecurity #5 = Environmental Damage



10 Laws of Cyber Security

Microsoft's "Immutable Laws of Cyber Security"

- Define Success Ruin your attacker's ROI
- Keep Up
 Patch continuously

WORLD CONOMIC FORUM

- Productivity Wins Automate for efficiency
- Attackers don't care Understand options
- Prioritize to Survive Know what's important

Microsoft

 Cyber is Team Sport Outsource to experts

Insights from over 1,200 experts
Published January 2023

- Zero Level Trust Don't Trust Network
- Isolated Networks aren't always secure
- Encryption Protects But it isn't enough
- Tech doesn't solve Invest: People & Process

Published January 2023

Top 5 Cyber Posture Metrics

Asset Inventory Coverage is the Top Posture Metric

#1 = Asset Inventory Coverage

#2 = Software Inventory Coverage

#3 = Security Controls Coverage

#4 = Vulnerability Assessment Coverage

#5 = Mean Age of Open Vulnerabilities

Balbix[°] Based on ability to link Security to Business Published December 2022

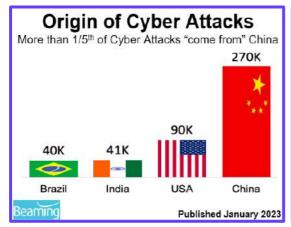


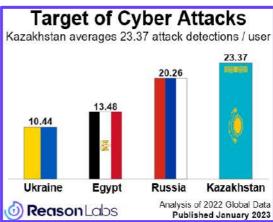


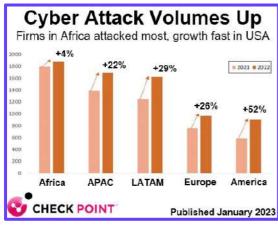


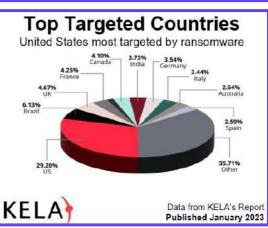


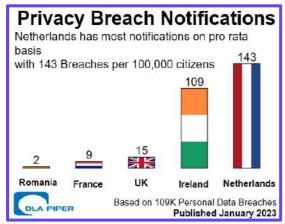
Cyber Insights: Cyber by Country

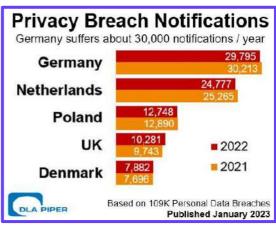


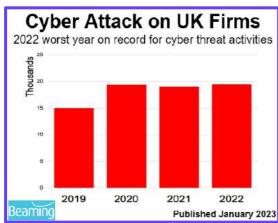


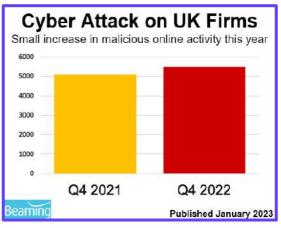




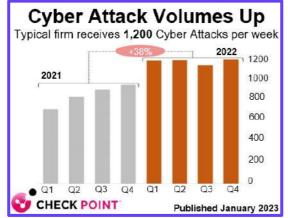


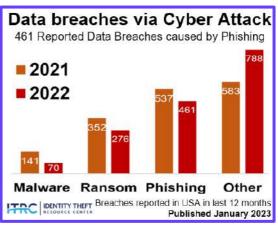


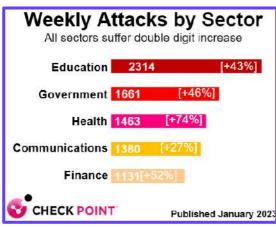


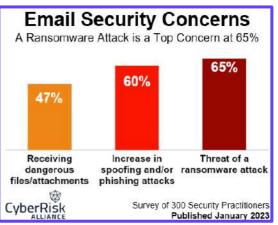


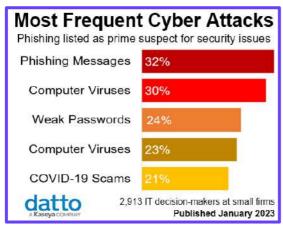
Cyber Insights: Cyber Attack Volumes

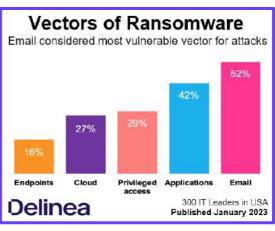


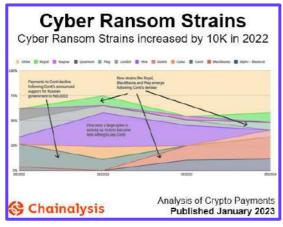


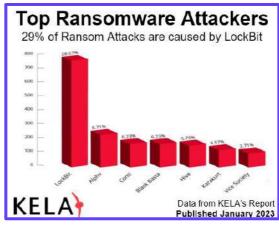




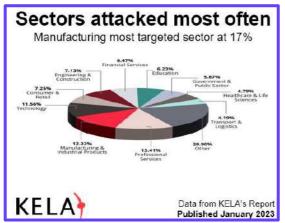


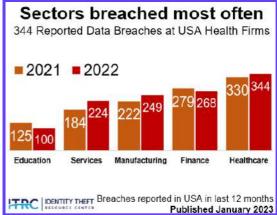


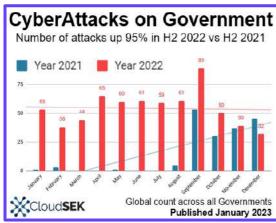


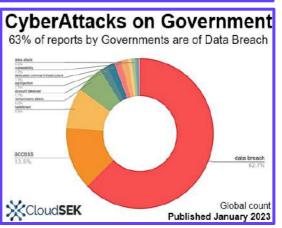


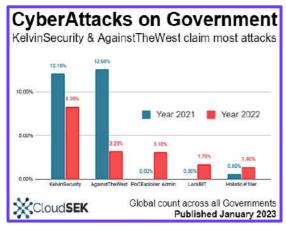
Cyber Insights: Cyber by Sector

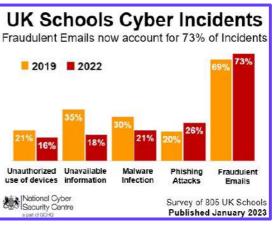




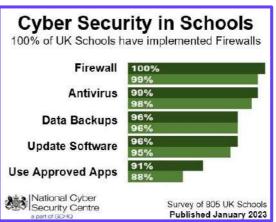








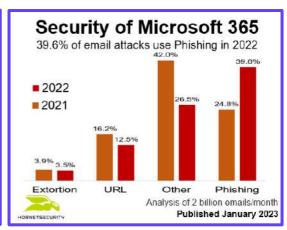


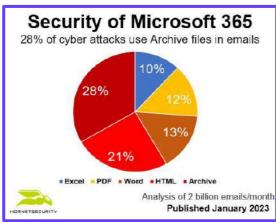




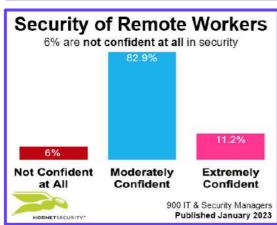
Cyber Insights: Microsoft & Remote Workers

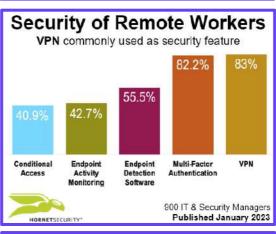


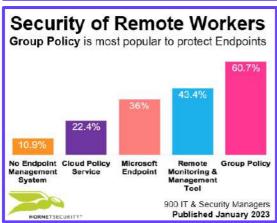


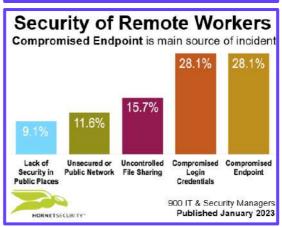














Cyber Insights: Respond & Recover

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Hottest 10 Cyber Tools

As assessed by CRN

- Arctic Wolf MyCyber
- Beyond Identity Secure Customers
- Cybersixgill **DVE Intelligence**
- Fortinet FortiRecon
- Huntress **EDR**

CRN

- Island Enterprise Browser
- · Palo Alto Networks Autonomous SOC
- SentinelOne XDR Ingest
- Sophos X-Ops
- Tenable One Platform

Published December 2022

Cyber Fears at Small Firms Phishing Emails Top Concern of small firms at 37%

Phishing Emails 37%

24%

Malicious Websites

Poor User Practices

Weak Passwords

Lack of Training

datto

2.913 IT decision-makers at small firms Published January 2023

Defences vs Ransomware

Most popular defence used is Antivirus Software

53%

49%

Antivirus Software Spam Protection

Managed Firewall

Security Training

File Backup

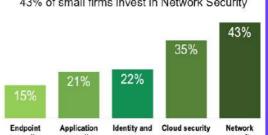
datto

CyberRisk

2,913 IT decision-makers at small firms Published January 2023

Firms Invest to stop Ransom

43% of small firms invest in Network Security

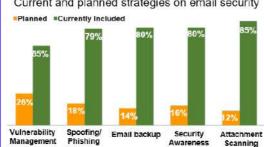


Delinea

300 IT Leaders in USA Published January 2023

Email Security Strategy

Current and planned strategies on email security



Survey of 300 Security Practitioners

Top Recovery Method

Manual Backup is Top Method for next 12 months

Manual Backup Continous Availability Old Systems Backup 36% Third-Party Recovery

No data loss

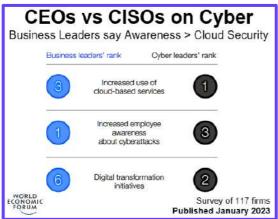
2,913 IT decision-makers at small firms Published January 2023

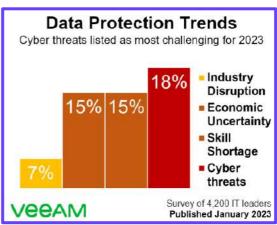


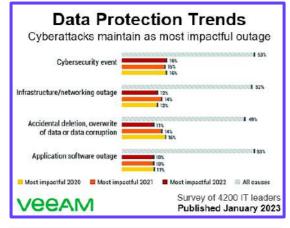
Cyber Insights: Cyber Developments





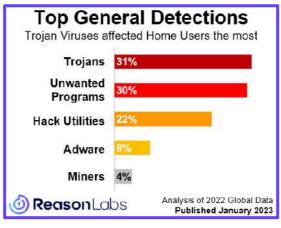






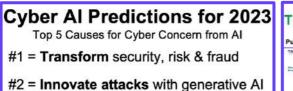








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#3 = Spear-phishing personalised by Al

#4 = Social engineer with Deep Fakes

#5 = Disinformation with Chatbots



Predictions from Experts quoted by SC Published December 2022

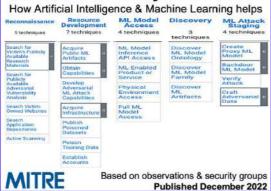


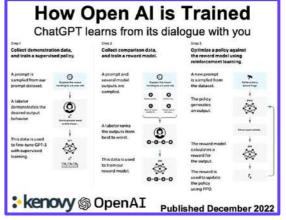






Al & ML use in Cyber Attacks How Artificial Intelligence & Machine Learning helps





Cyber Predictions for 2023

Top 5 Causes for Cyber Concern in 2023

#1 = Shadow APIs lead to breaches

#2 = MFA becomes ineffective

#3 = Cloud Apps unsecured

#4 = Open Source Software targeted

#5 = Ransoms rise up political agendas



Predictions from Industry Experts at F5
Published December 2022

Managing Cyber Security Click for list of 10 main processes from NIST & ISO

Company management
Company control Company management
Company

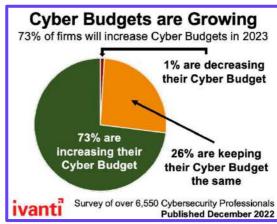
Business organization and IT management

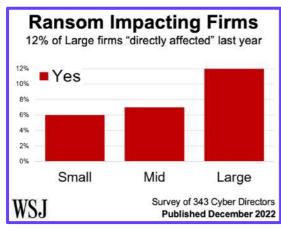
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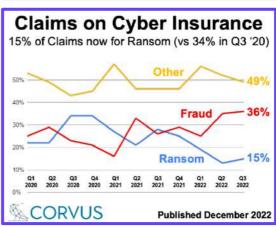


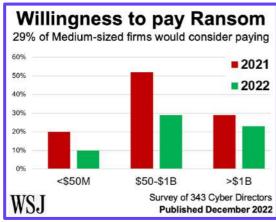
Cyber Insights: Cyber & Finance Dept











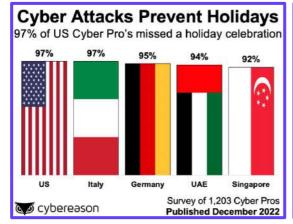






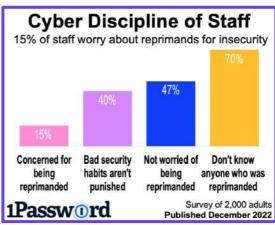


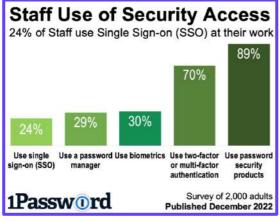
Cyber Insights: Cyber Humans



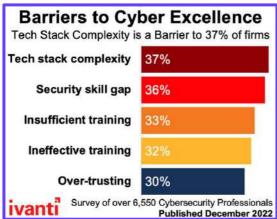








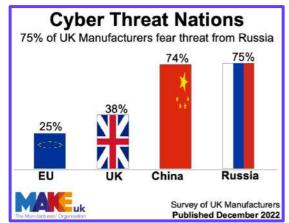


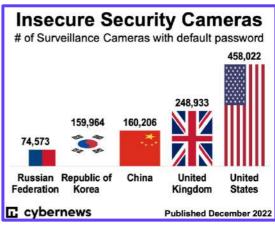




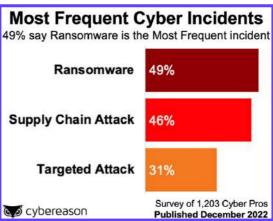


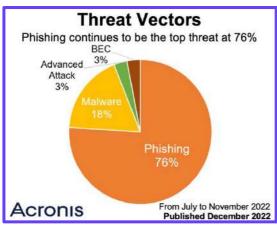
Cyber Insights: Cyber Trends

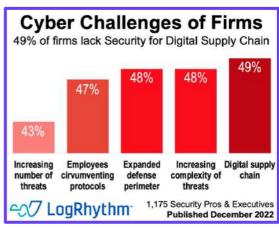


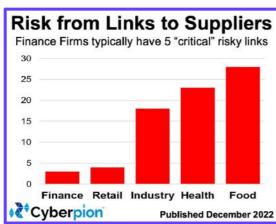








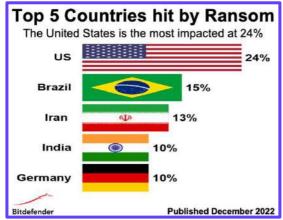


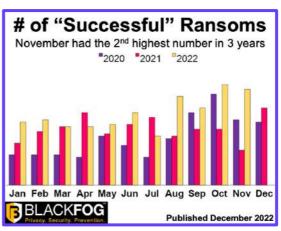


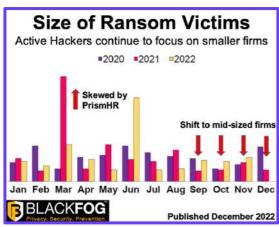


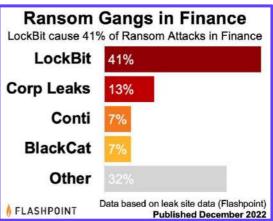


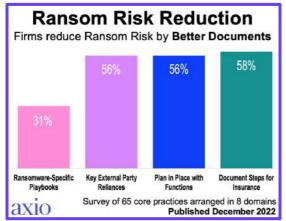
Cyber Insights: Ransomware



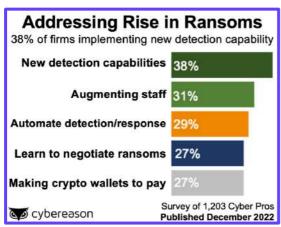


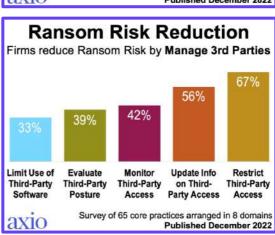






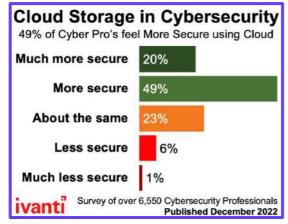


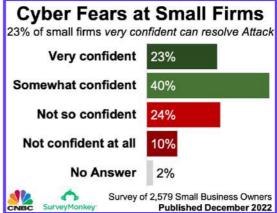




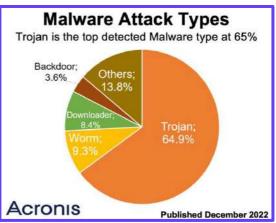


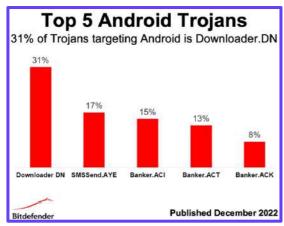
Cyber Insights: Cyber Trends



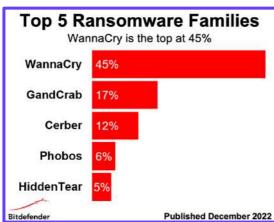


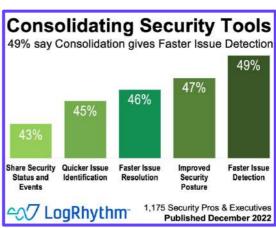






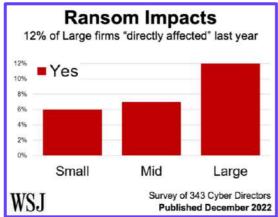


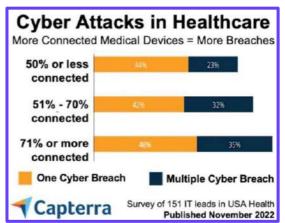


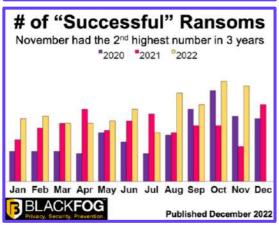


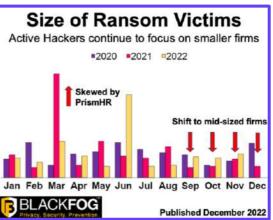




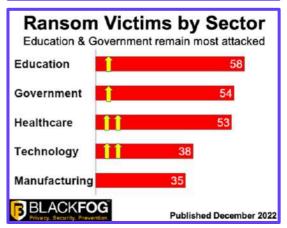


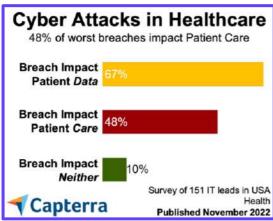








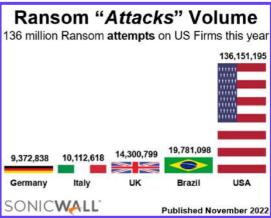


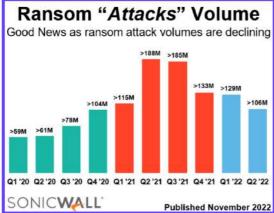


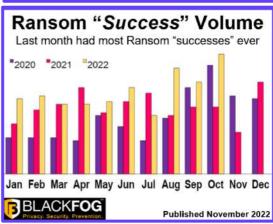


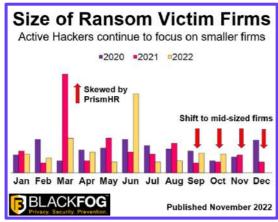




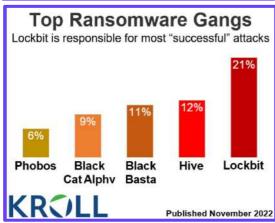


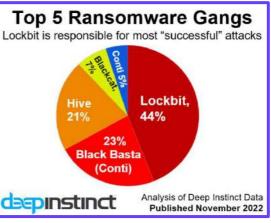






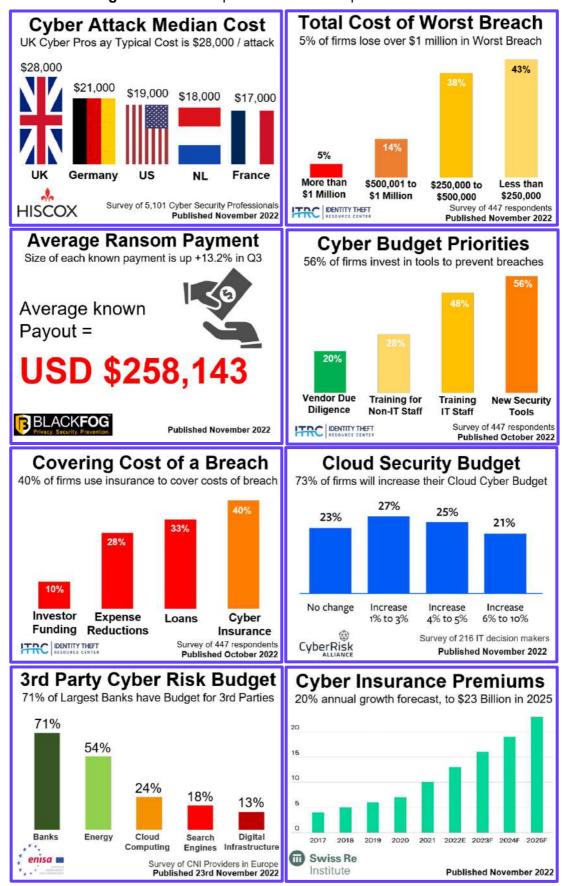






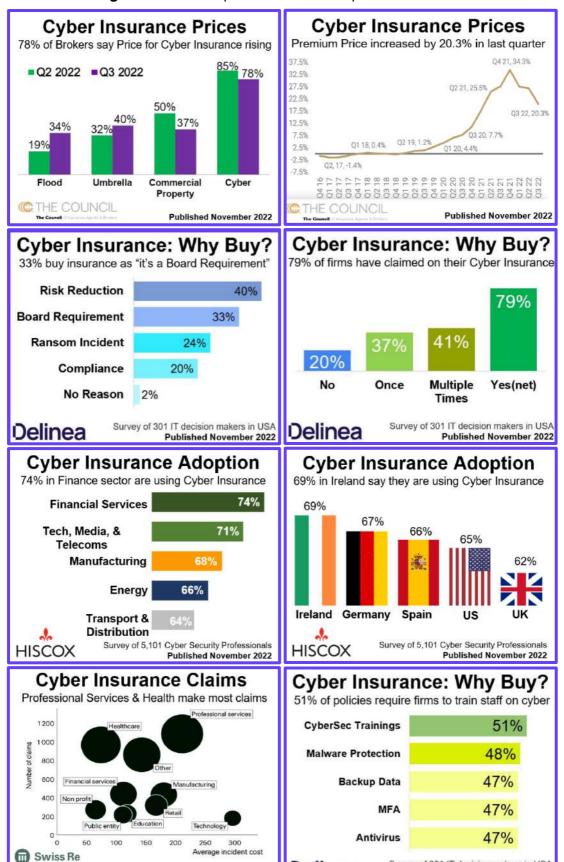


Cyber Insights: Cyber Finances



Cyber Insights: Cyber Insurance

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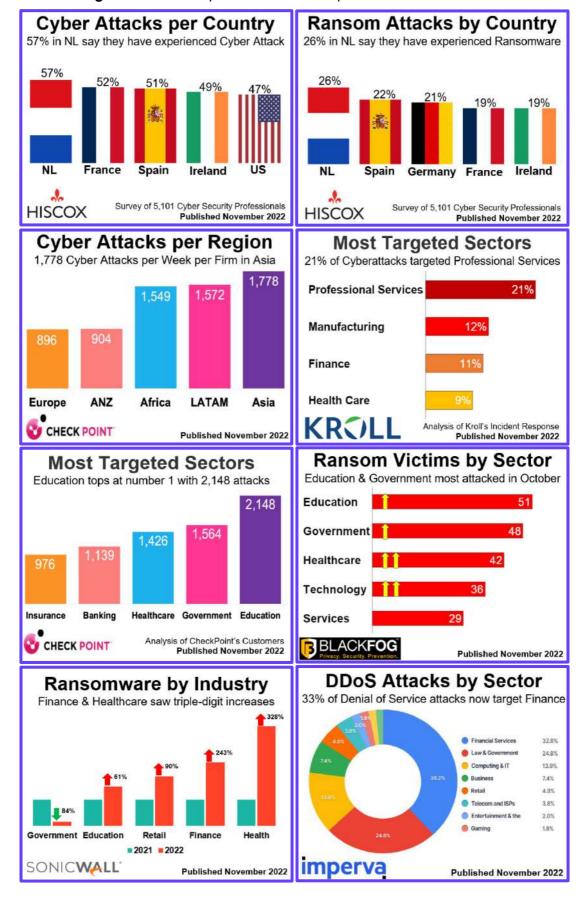
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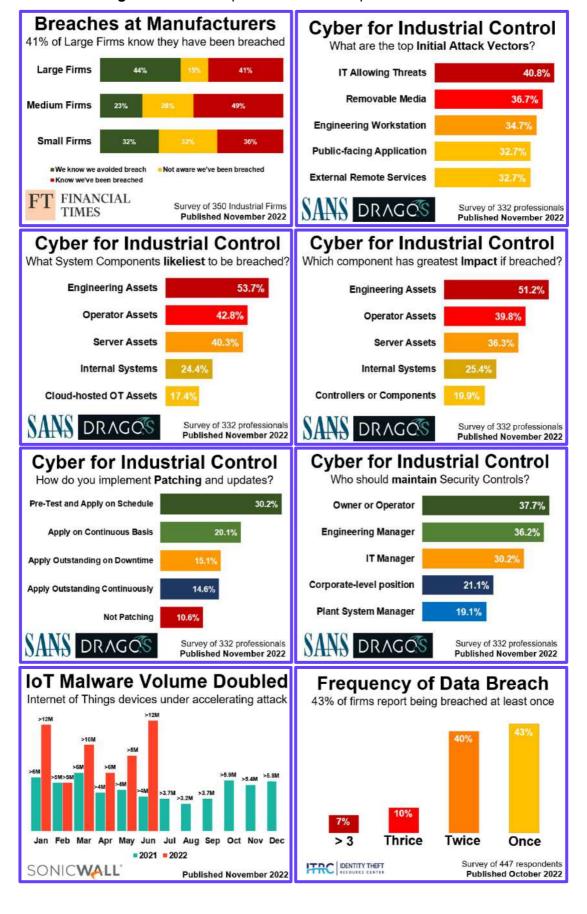
Survey of 301 IT decision makers in USA

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Cyber Insights: By Country & By Sector

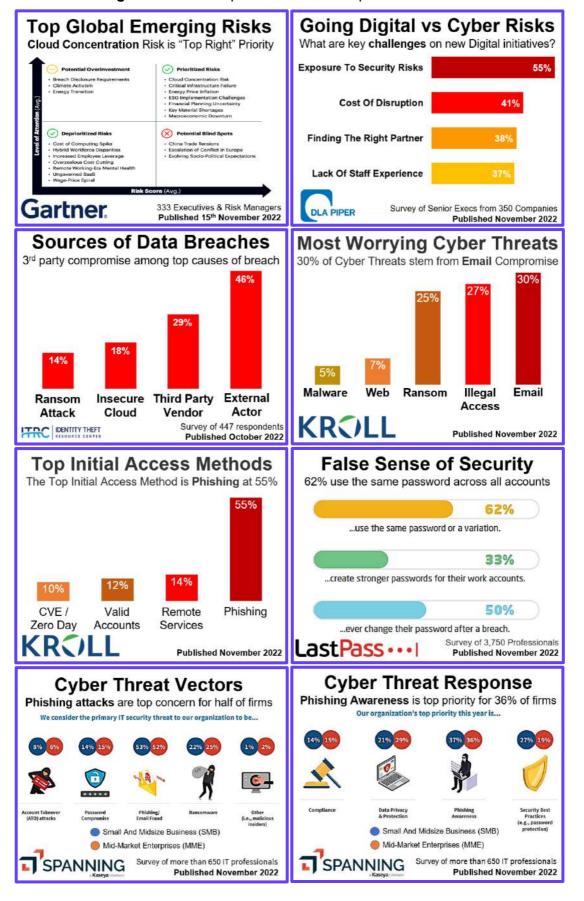


Cyber Insights: Cyber for Industrial Control





Cyber Insights: Cyber Risks & Vectors





Cyber Insights: Detailed Reports

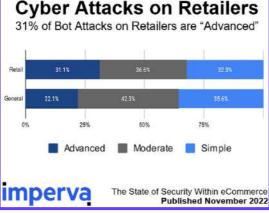


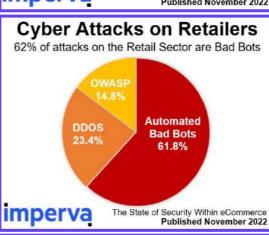


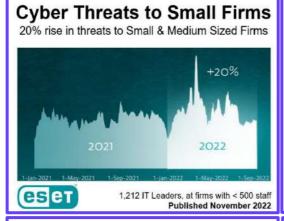
Cyber Insights: Retailers & Small Firms

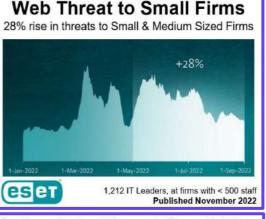












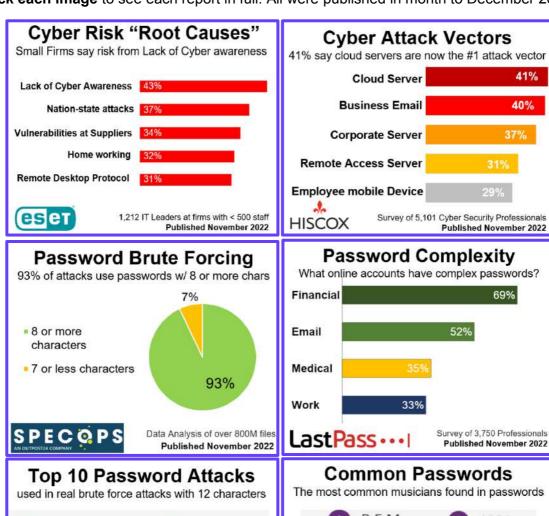






Cyber Insights: Cyber Hygiene

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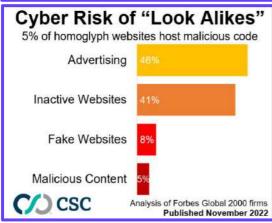


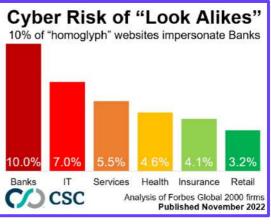


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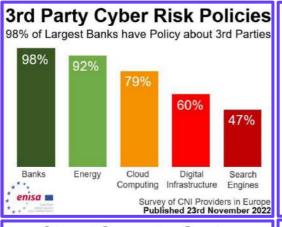
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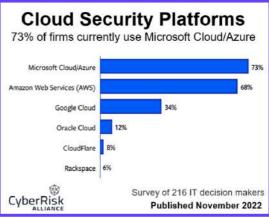


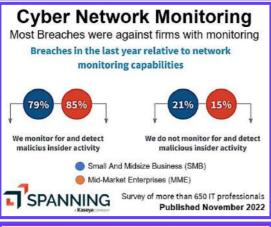
Cyber Insights: Clouds & Networks

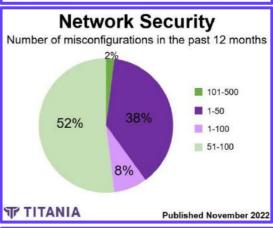


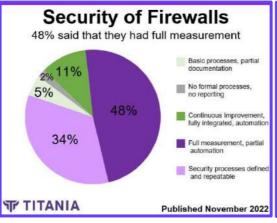


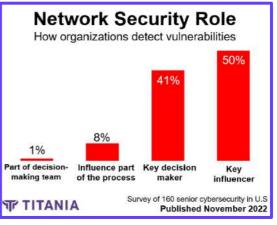














Cyber Insights: Cyber Security Priortisation

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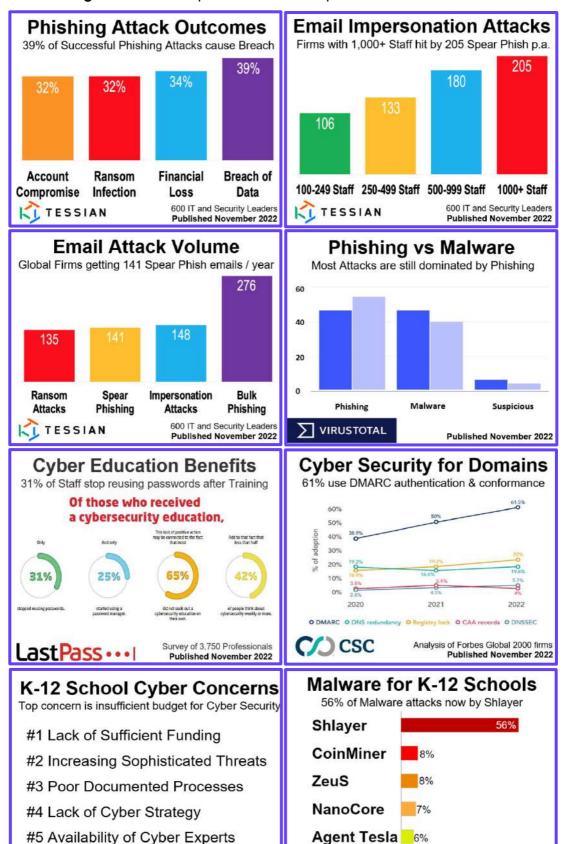
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Cyber Insights: Phishing & Malware

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Survey of 14,000 Org. Members

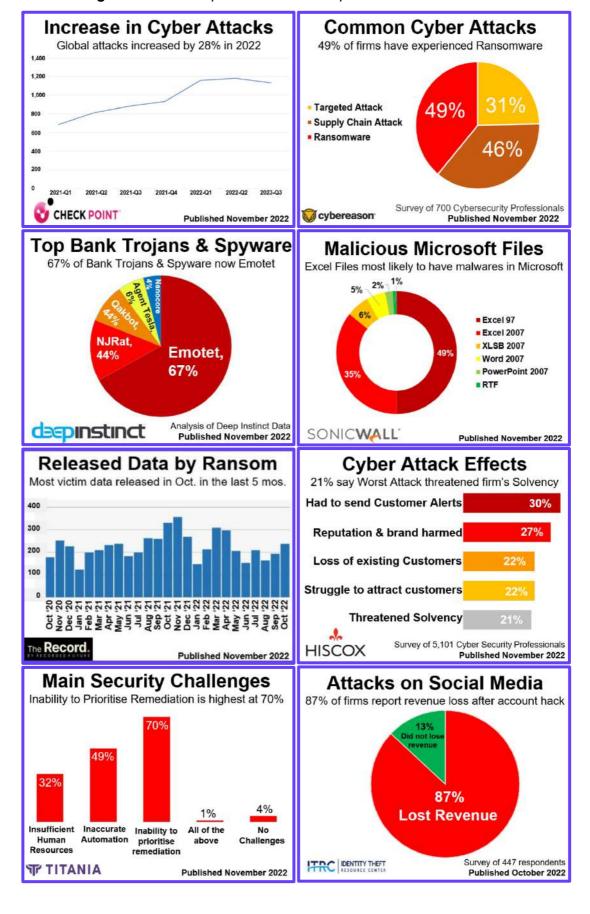
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CIS Center for Internet Security

Survey of 14,000 Org. Members

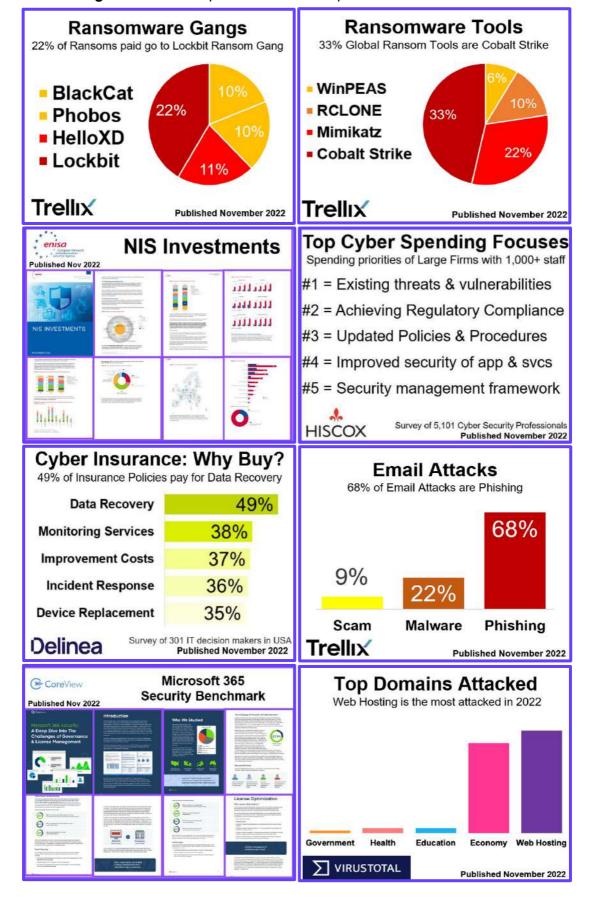
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Cyber Insights: Cyber Attacks



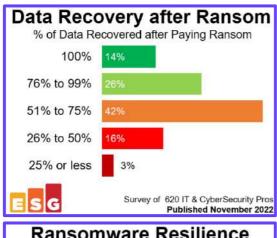


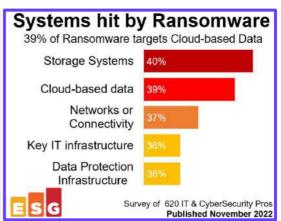
Cyber Insights: Cyber Finances

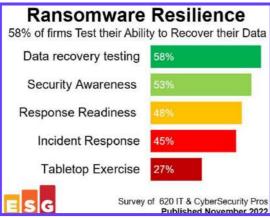


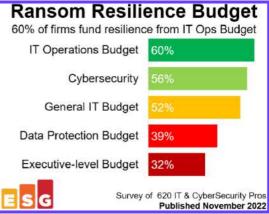


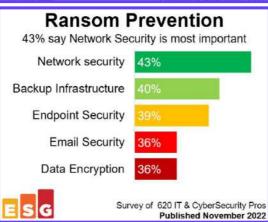
Cyber Insights: Ransomware



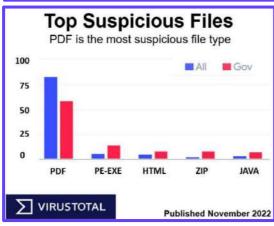










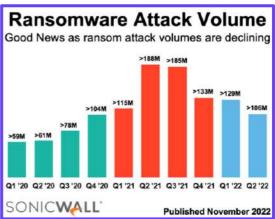


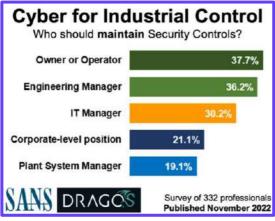


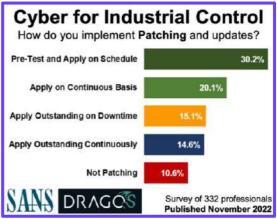




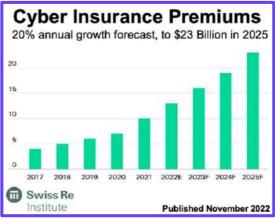


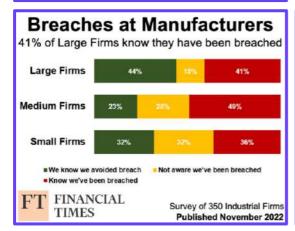


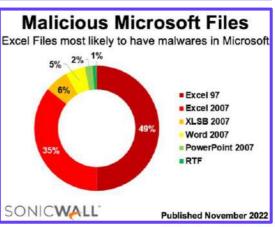






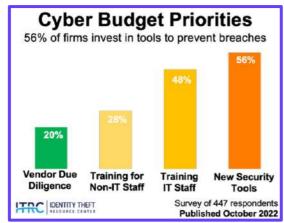


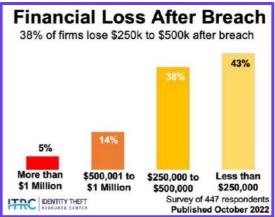


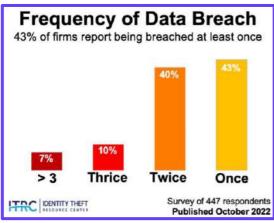


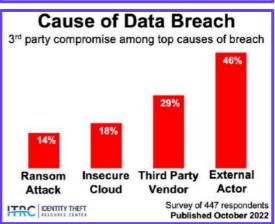


Click each image to see each report in full. All were published in month to Nov 2022

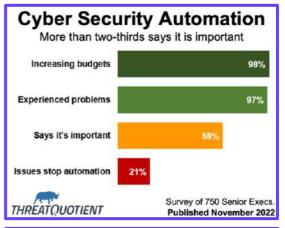






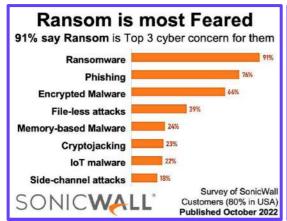


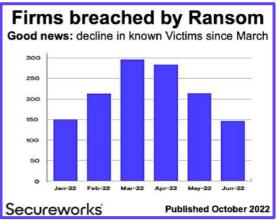


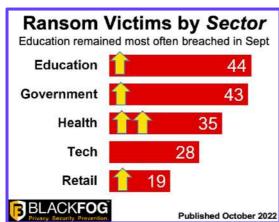


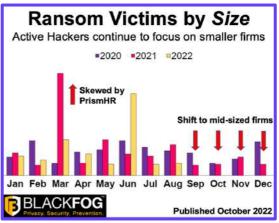


INTERPOL's Global Top 5 Ransomware is "crime most likely to increase" #1 = Ransomware #2 = Phishing and Online Scams #3 = Online Child Sexual Exploitation #4 = Business Email Compromise #5 = Computer Intrusion Global Survey of Police Forces Published November 2022

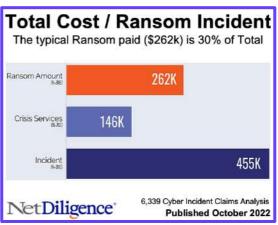




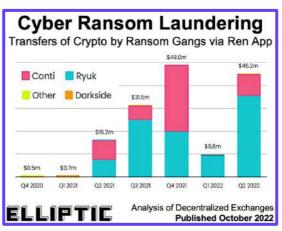










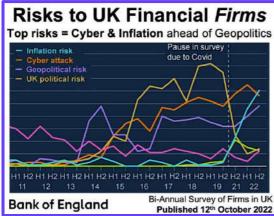


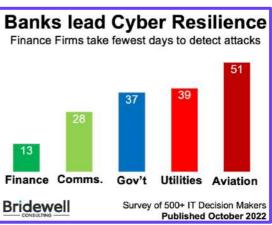


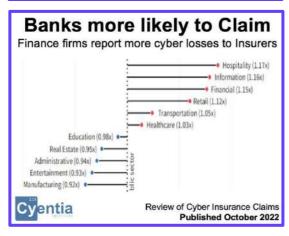
Cyber Insights: Cyber in Banks

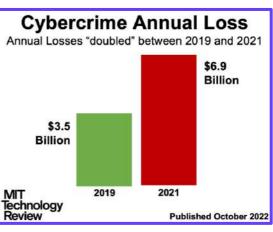




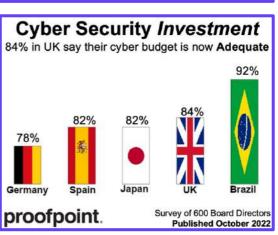








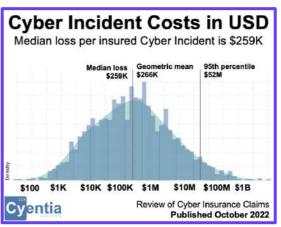


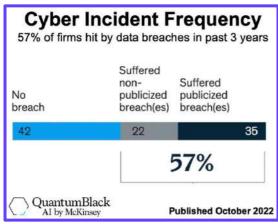


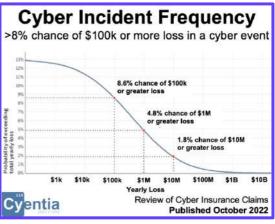


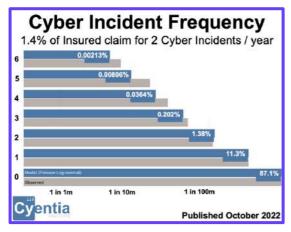
Cyber Insights: Cyber Risk Quantification

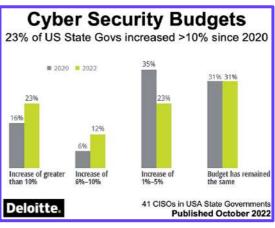


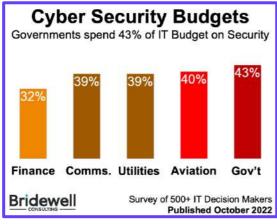


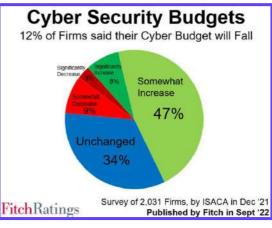






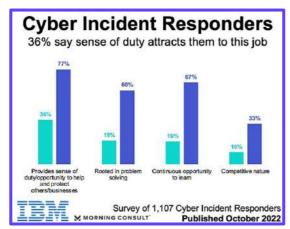


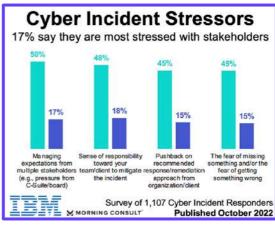


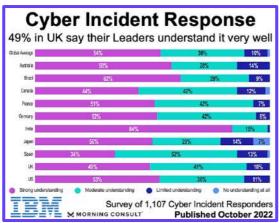


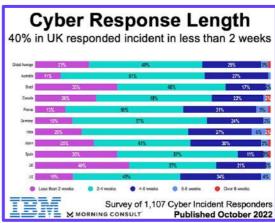


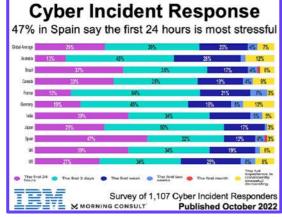
Cyber Insights: Cyber Incident Response

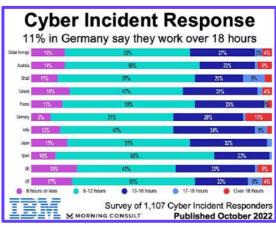




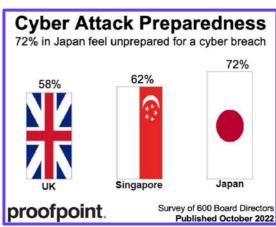






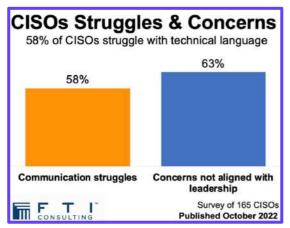


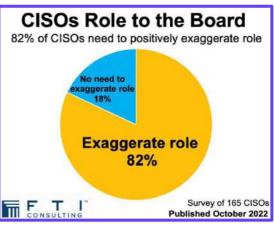


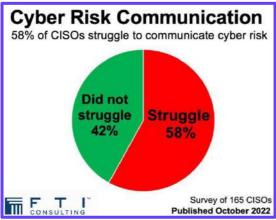


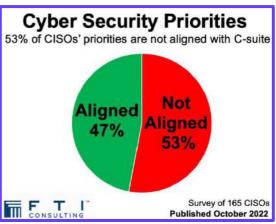


Cyber Insights: CISOs in the Boardroom

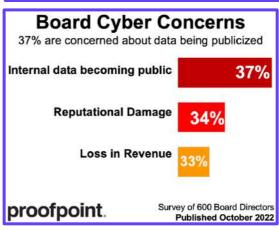


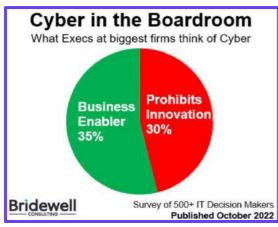


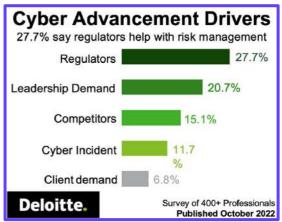






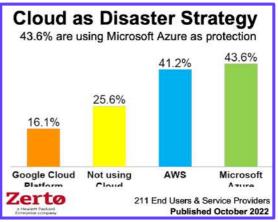


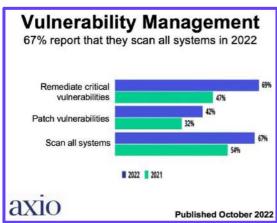


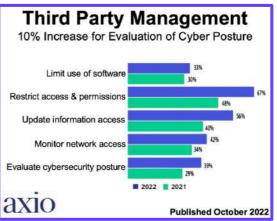


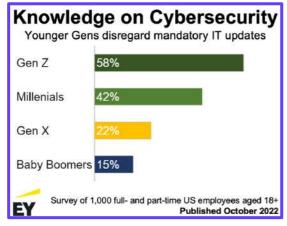
Cyber Insights: Cyber Development





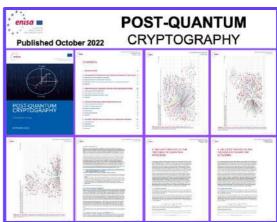






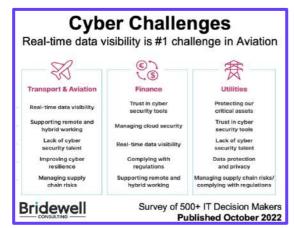






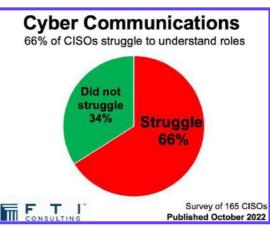


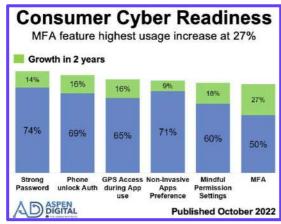
Cyber Insights: Security & Challenges



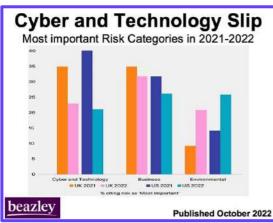


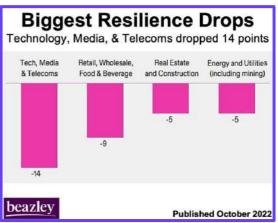






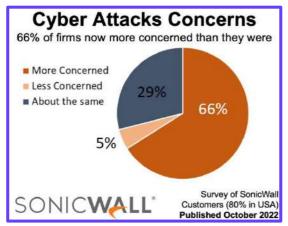


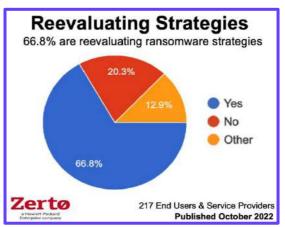




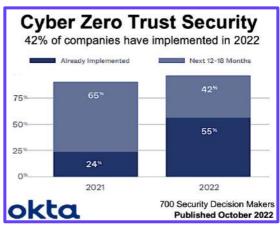


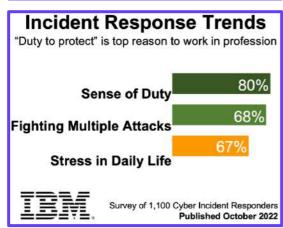
Cyber Insights: Cyber Concerns & Strategies

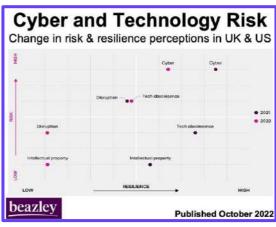










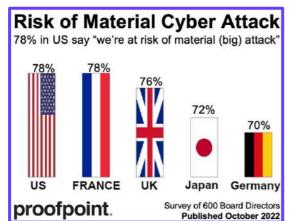


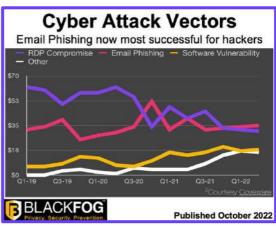


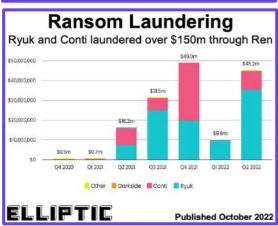


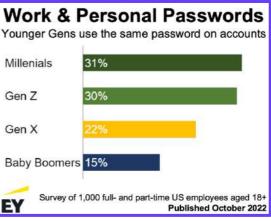


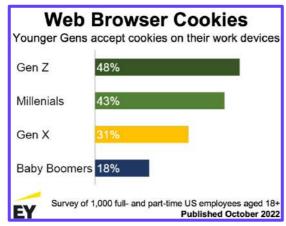
Cyber Insights: *Attack Trends*





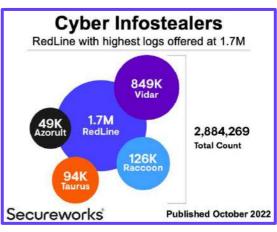






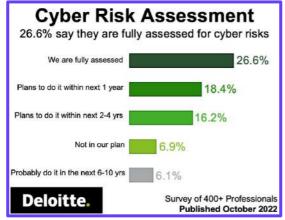


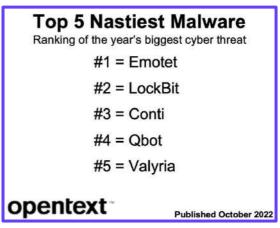


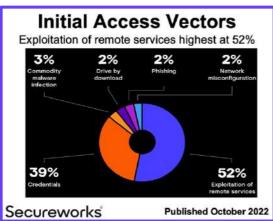


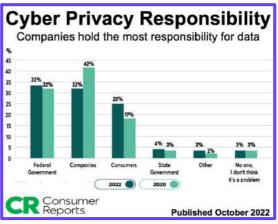


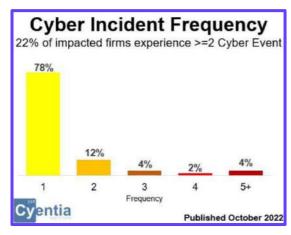
Cyber Insights: Cyber Threats



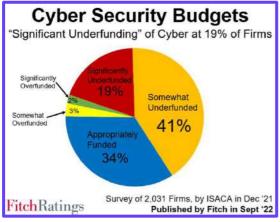








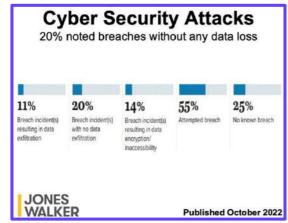


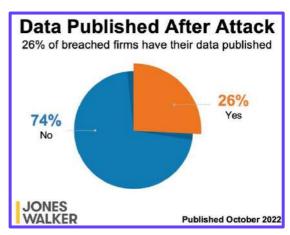


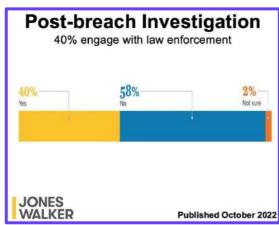


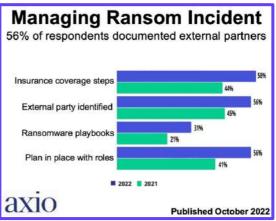


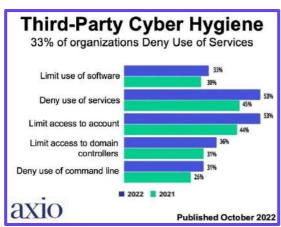
Cyber Insights: Cyber Attacks





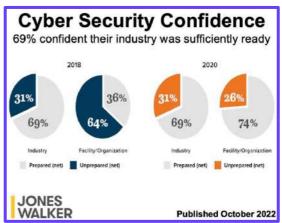








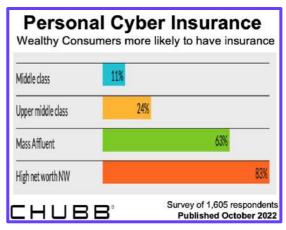




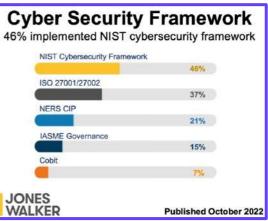


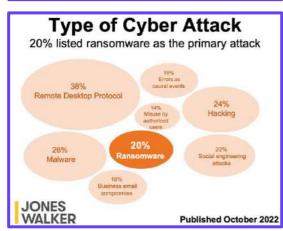
Cyber Insights: Insurance & Incidents





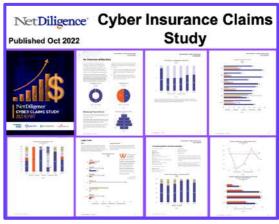














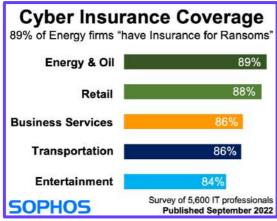
The Best Cyber Insights of 2022

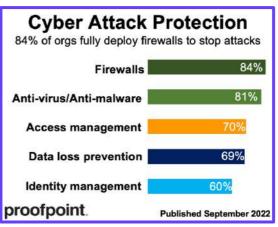
Click each image to see each report in full. All were published in month to October 2022

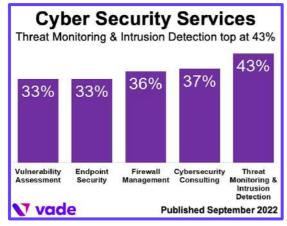
Cyber Insurance Essentials To buy Insurance, firms must often demonstrate 10: 1. IT Security Leadership 6. MFA 2. Staff Training on cyber 7. IRP 3. Strong Passwords 8. EDR 4. System Backups 9. TPRM 5. Regulatory Compliance 10. Pen Testing

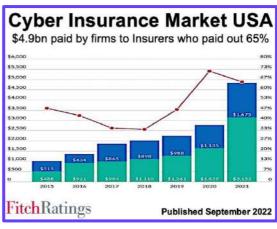


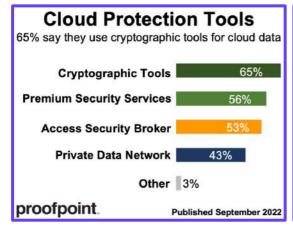








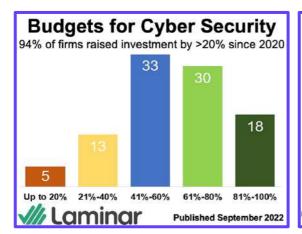








Cyber Insights: Cyber Security Investments

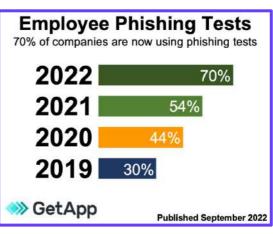




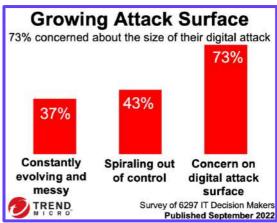








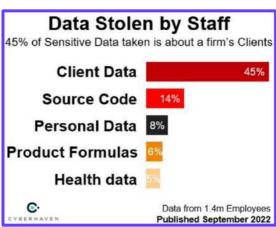


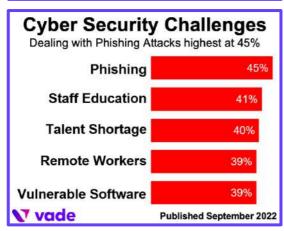


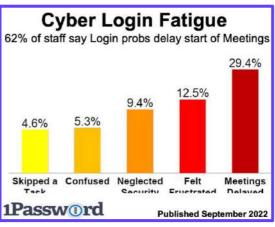


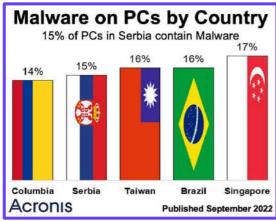
Cyber Insights: People & Cyber Challenges

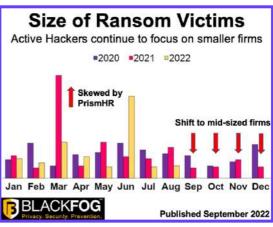


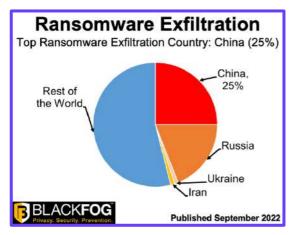


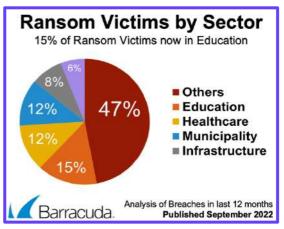






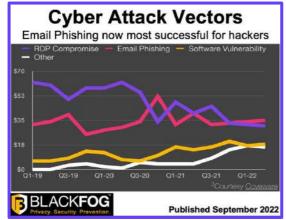


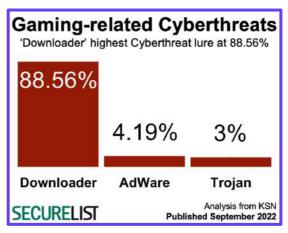


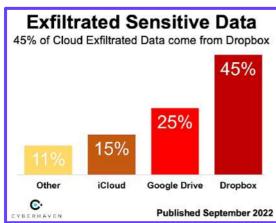


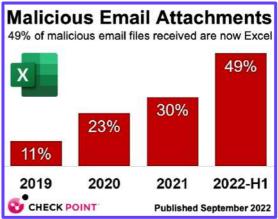


Cyber Insights: Cyber Threats & Lures

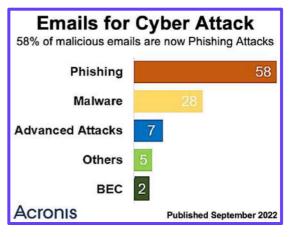


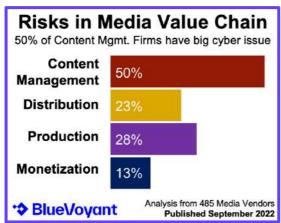


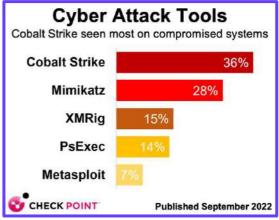








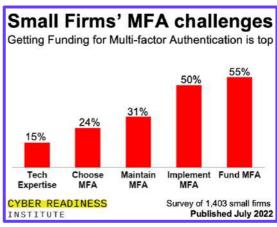


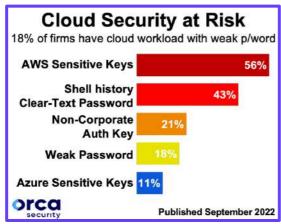




Cyber Insights: Cloud Vulnerabilities

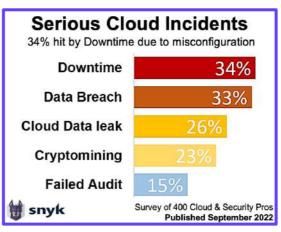


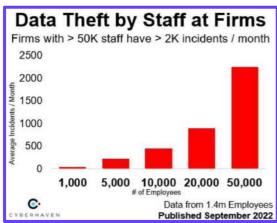








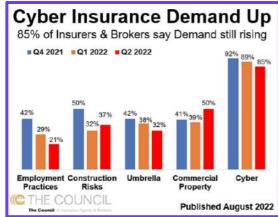


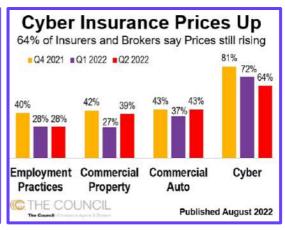


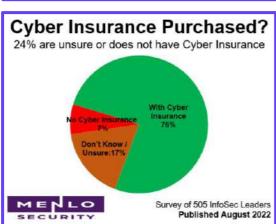


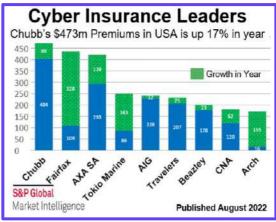


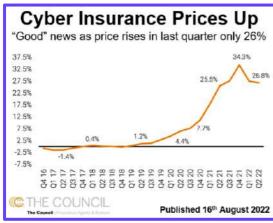
Cyber Insights: Cyber Insurance & Costs

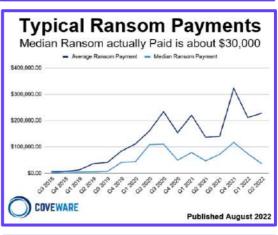










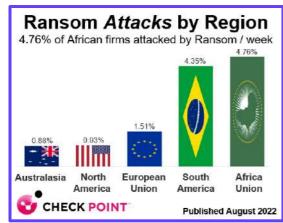


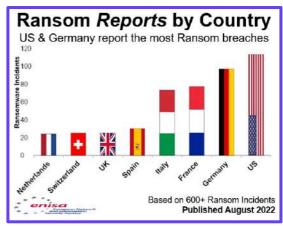


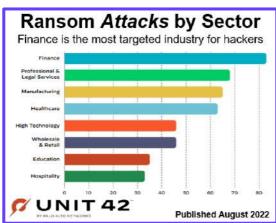


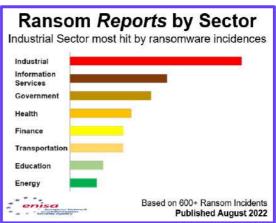
Cyber Insights: Ransom Attacks

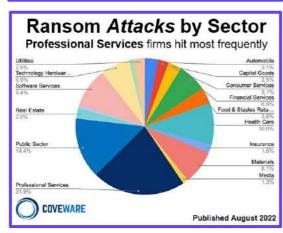
Click each image to see each report in full. All were published in month to September 2022

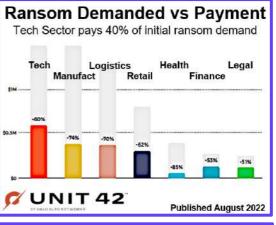


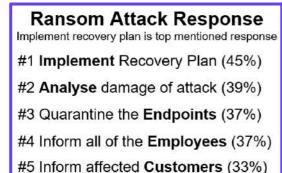


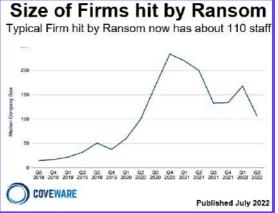










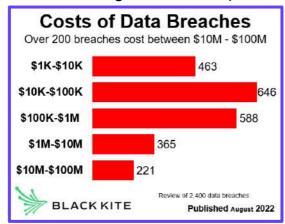


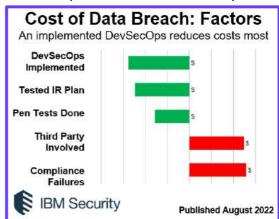


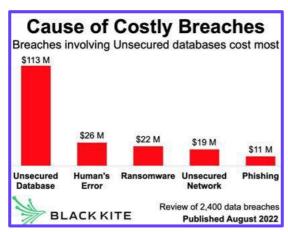
Survey of 505 InfoSec Leaders Published August 2022

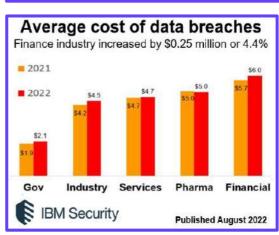


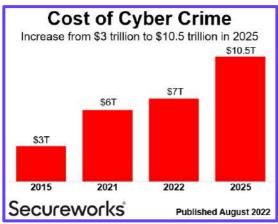
Cyber Insights: Costs and Finances



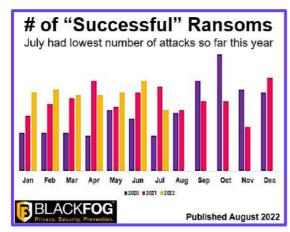


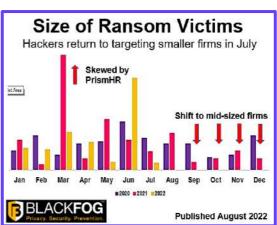






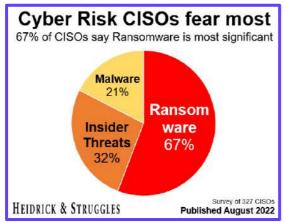


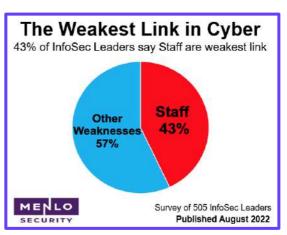


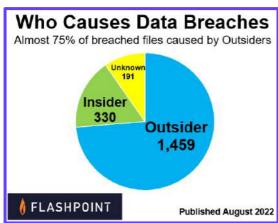


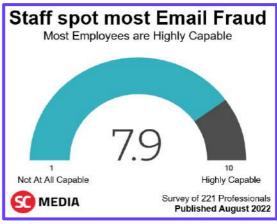


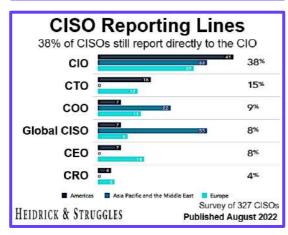
Cyber Insights: Cyber & People

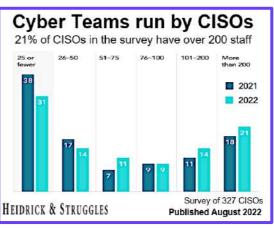


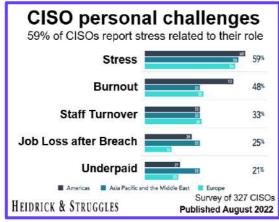


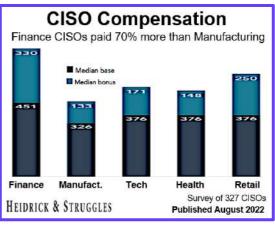






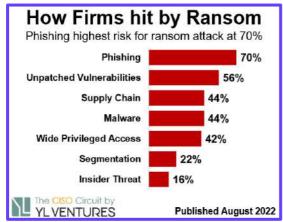


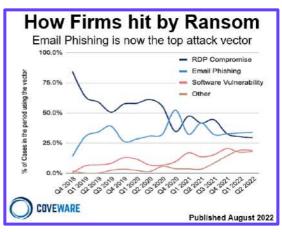


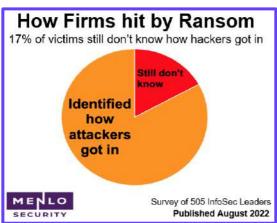


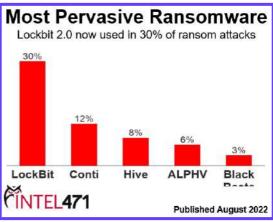


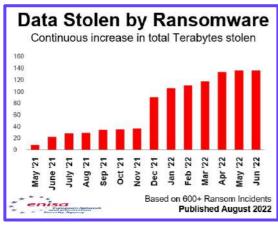
Cyber Insights: Ransom Vectors & Techniques

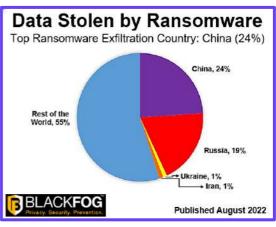


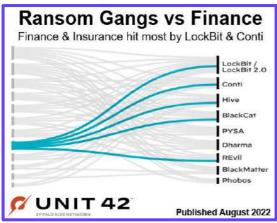


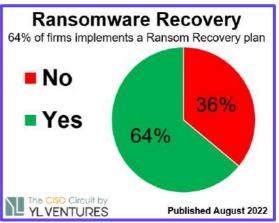






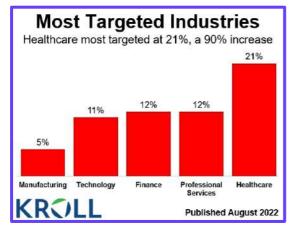


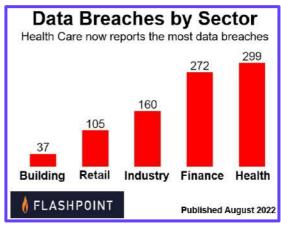




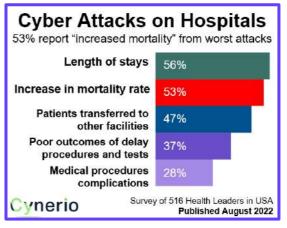


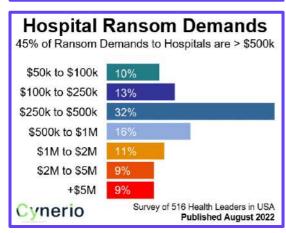
Cyber Insights: Healthcare Attacks

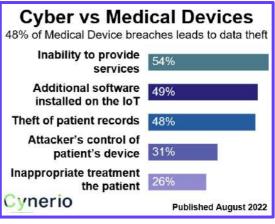


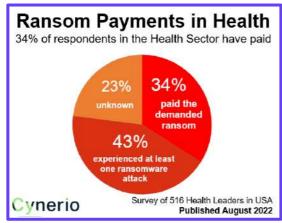


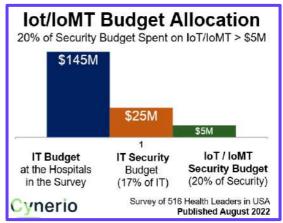






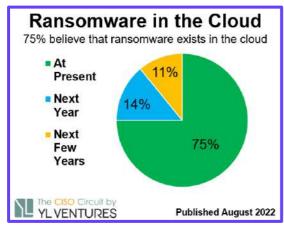


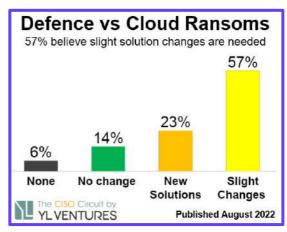


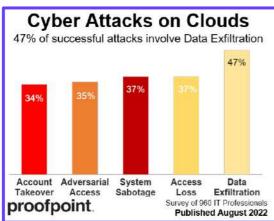


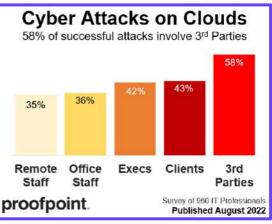


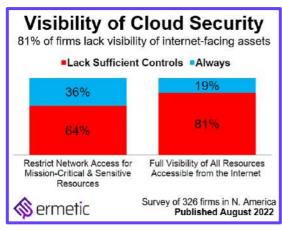
Cyber Insights: Cloud Security





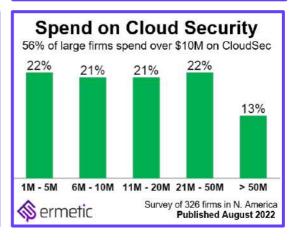








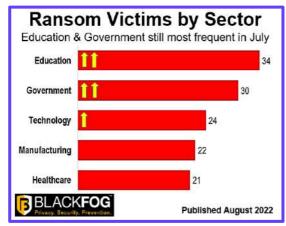


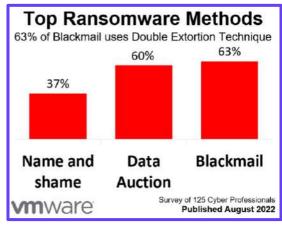




Cyber Insights: Ransomware

Click each image to see each report in full. All were published in month to September 2022





Top Ransomware Variants

BlackCat is now the most common ransom variant

Rank	Ransomware Type	Market Share %
1	BlackCat	16.9%
2	Lockbit 2.0	13.1%
3	Hive	6.3%
4	Quantum	5.6%
4	Conti V2	5.6%
5	Phobos	5%
5	Black Basta	5%
5	AvasLacker	5%

Ransomware Victims Previously Breached firms most likely future victims

#1 = Suffered a past data breach

#2 = Out of date systems

#3 = Susceptibility to phishing

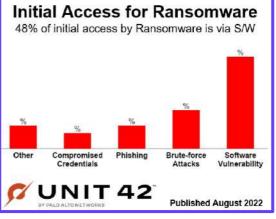
#4 = Publicly visible critical ports

#5 = Botnet infection



Review of 2,400 data breaches Published August 2022

Initial Access for Ransom 67% of Threat actors use External Remote Services 67% 13% 20% Phishing CVE / External Remote Services Exploit Services KROLL Published August 2022

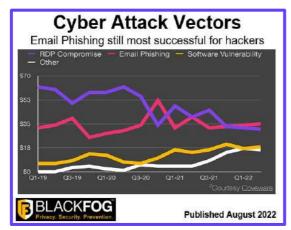


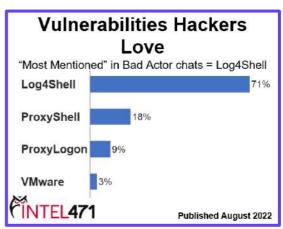


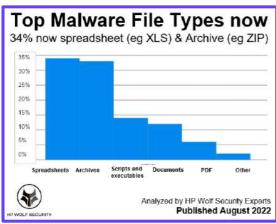
Protection against Ransom Firewalls are most trusted tool against cyber threat #1 Firewalls (74%) #2 Network perimeter strength (66%) #3 Phishing protection (62%) #4 Mobile device protection (61%) #5 Endpoint protection (59%) Survey of 505 InfoSec Leaders Published August 2022

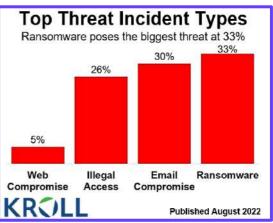


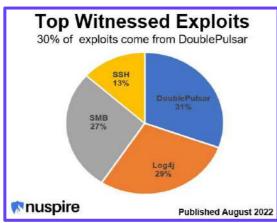
Cyber Insights: Attacks & Vulnerabilities

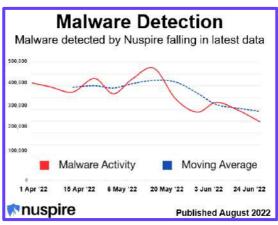


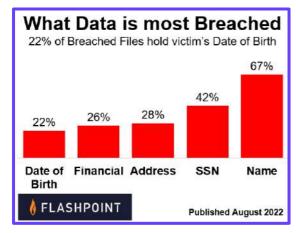


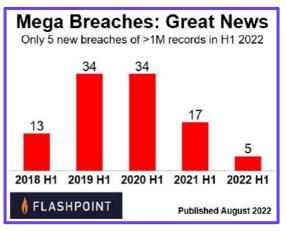






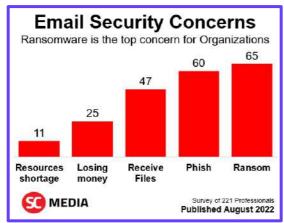


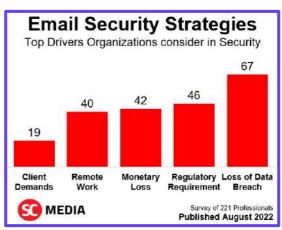




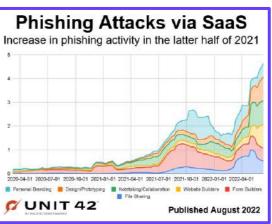


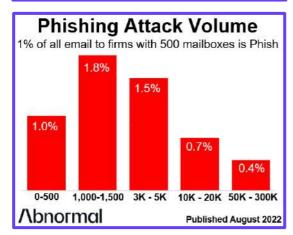
Cyber Insights: Phish & Email Attacks

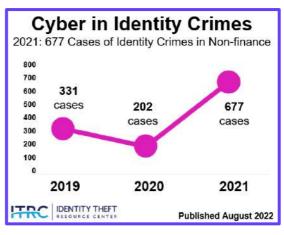


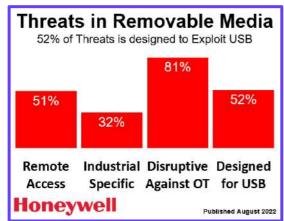










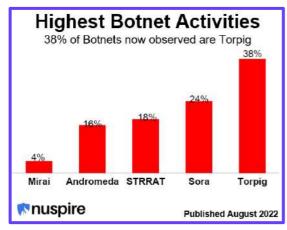






Cyber Insights: Practices & Activities

Click each image to see each report in full. All were published in month to September 2022



Risk Awareness Practices Best practices for staff cyber security awareness #1 = Use real-world Attack Methods #2 = Don't do this alone #3 = Don't try to train on everything #4 = Make it relevant #5 = Treat programme like marketing

