

# Security for the Hyperconnected World

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**EMPOWERING THE SECURELY  
CONNECTED WORKFORCE**

*BlackBerry® Secure™*

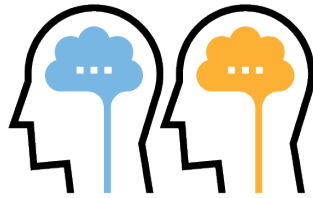
**WORLD  
TOUR**

# SURVEY GOAL

The Global State of Information Security® Survey is conducted annually to explore how businesses are embracing a modern approach to threat management and information sharing.

## TOTAL RESPONDENTS

9,500



## COLLECTION METHOD ONLINE QUESTIONNAIRE



## REGION

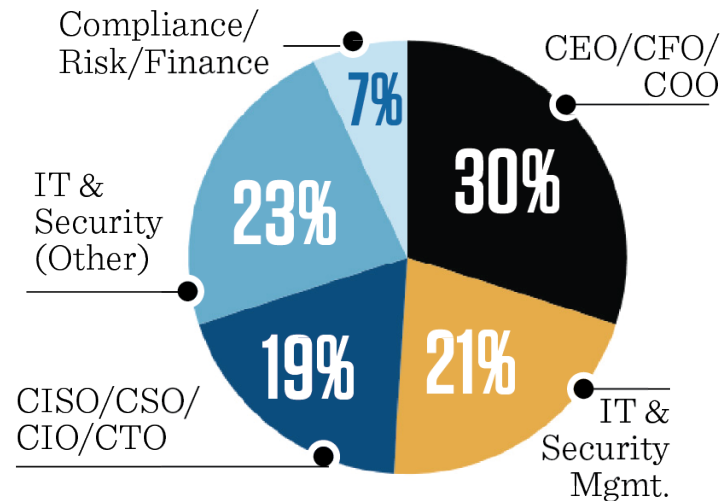


North America	38%
Europe	29%
Asia Pacific	18%
South America	14%
Middle East, Africa	1%

## AUDIENCE BASE

CIO and CSO's audiences, as well as clients of PwC from around the globe were invited via email to participate in the survey.

## JOB TITLES



AVERAGE COMPANY SIZE  
21,751 EMPLOYEES



AVERAGE REVENUE  
\$4.1B



## TOP REPRESENTED INDUSTRIES

Technology	19%
Financial Services	10%
Industrial Manufacturing	8%
Consumer Products & Retail	8%
Consulting & Professional Services	7%
Education & Non-Profit	7%
Engineering & Construction	7%
Health Industries	6%



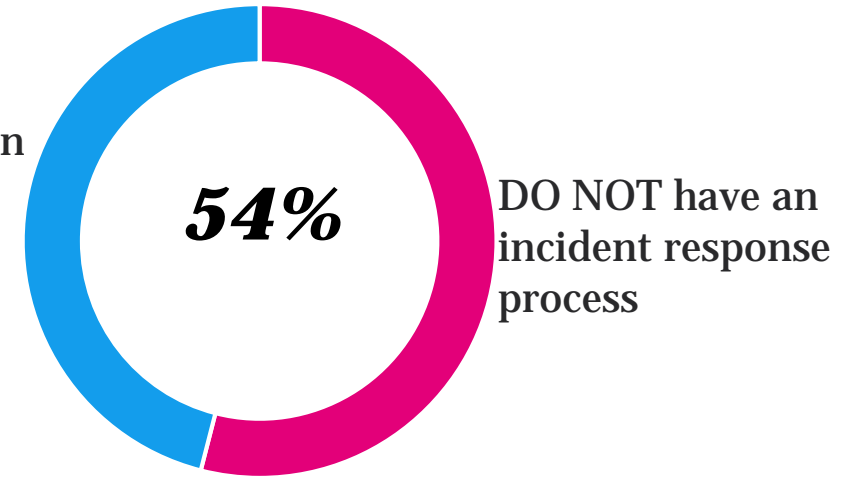
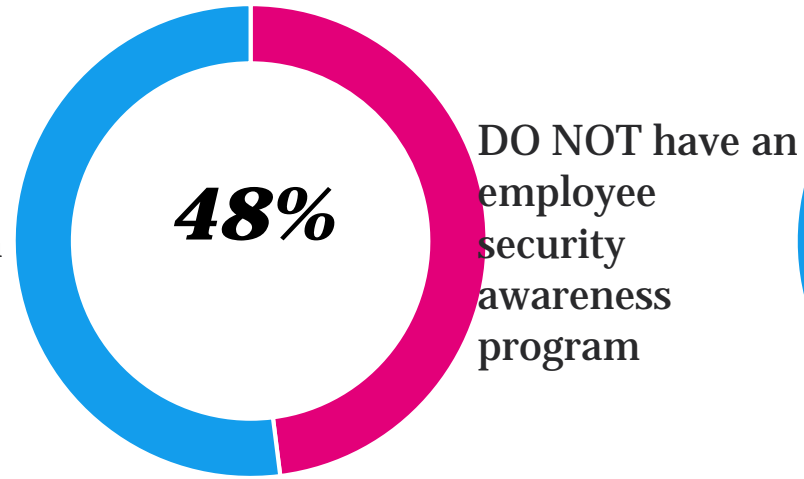
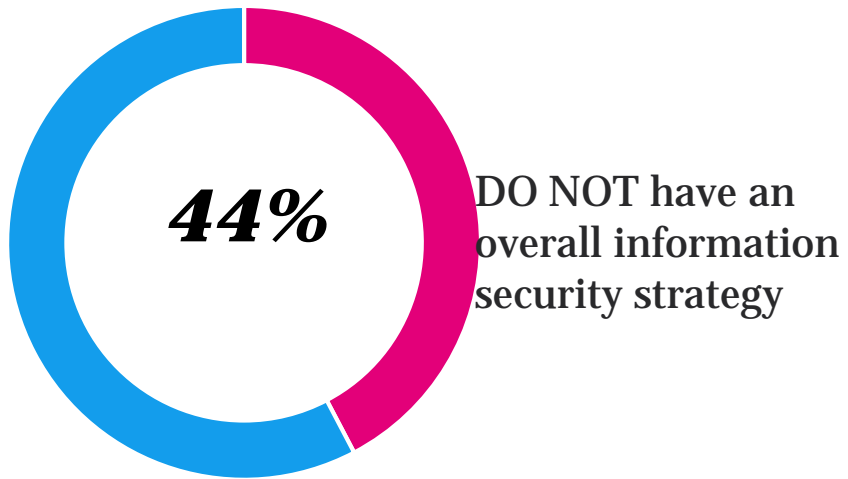
# Strategic Trends

## THE HYPER-CONNECTED ENTERPRISE

- Leveraging mobile and cloud technology to improve operations and competitive position through optimized communication and collaboration.
- Beyond human collaboration and communication...applying emerging technologies like IoT and artificial intelligence...to enable digital transformation.
- As more systems are connected to environments that are often not owned -- nor fully controlled -- by the enterprise, risk rises to unprecedented levels.
- Threats at the end point have never been greater or more complex.



# Getting Back to Basics...the Shortfalls



Q: Which safeguards does your organization currently have in place?



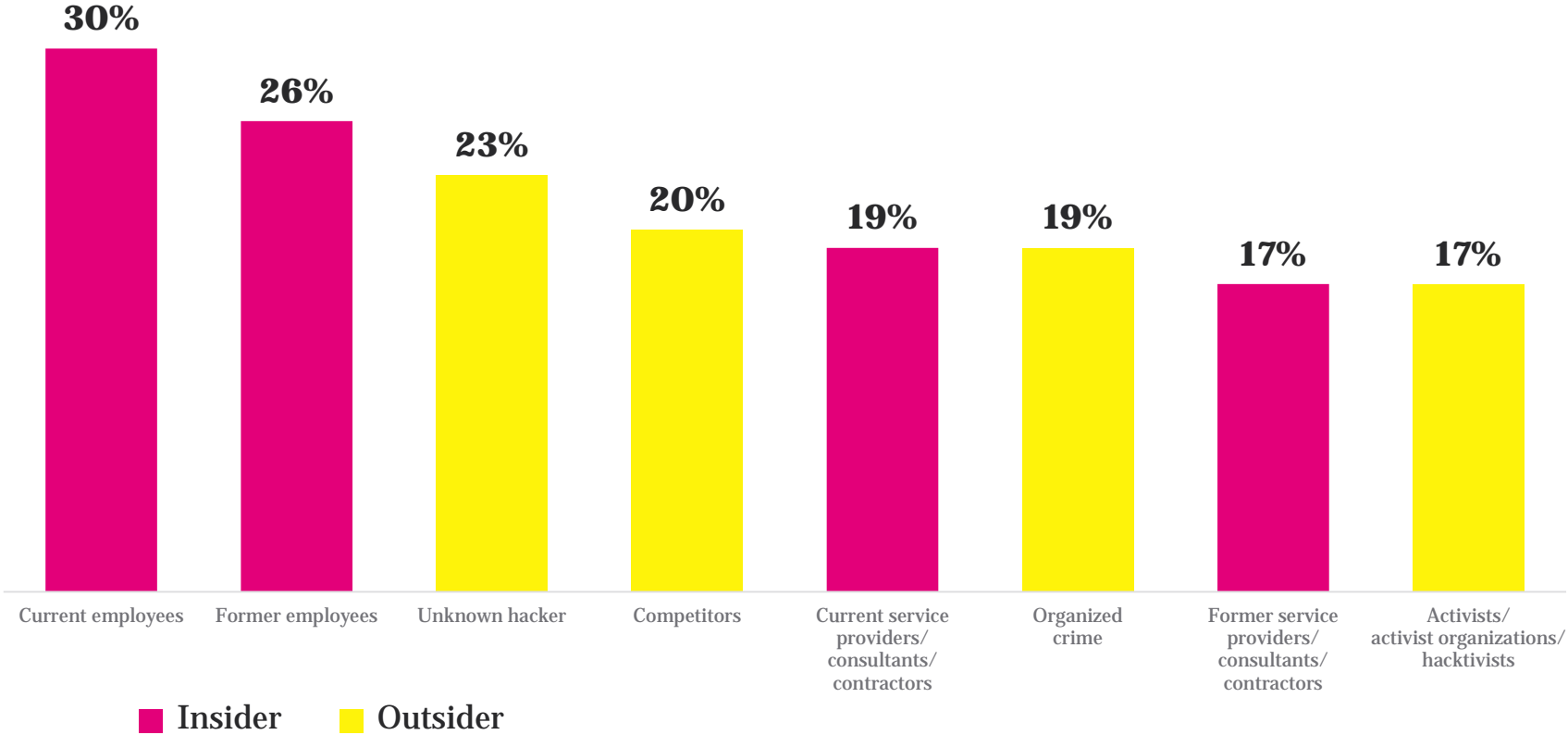
# Managing Implications

## SECURITY IMPERATIVES FOR THE HYPER-CONNECTED ENTERPRISE

- Leverage new technologies with best practices to apply controls and policies for data in a much more dynamic environment.
- Truly ensure that users are allowed to access to data they need in order to do their jobs...but not a byte more.
- Adopt concept of zero trust, where anything or anyone on the network is treated as potentially hostile.
- Revisit relationships with business partners. Today, less than half of all businesses conduct security evaluations on their potential business partners prior to conducting business with them.
- Among those who do...almost one-third of evaluations result in termination of contract because partners can't meet a minimum standard for security.



# Current Employees – #1 Source of Security Incidents



Q. Estimated likely source of incidents (Not all factors shown.)



# Evaluating Business Partners through the Lens of the Cybersecurity

47%

of enterprise organizations evaluate the cybersecurity of supply chain/business partners prior to conducting business with them

31%

say this has resulted in termination of contracts or relationships

58%

of enterprise organizations have Service-Level Agreements with their business partners to specify minimum cybersecurity standards compared to 36% of SMBs

Q. Do you conduct incident response planning/conduct table top exercises with your supply chain/business ecosystem partners? AND Q. Do you have Service-Level Agreement with your supply chain/business ecosystem partners that specifies minimum cybersecurity standards?



# Current Landscape

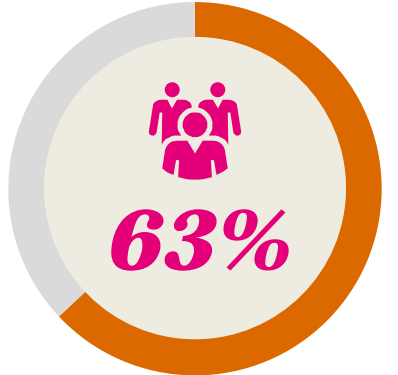
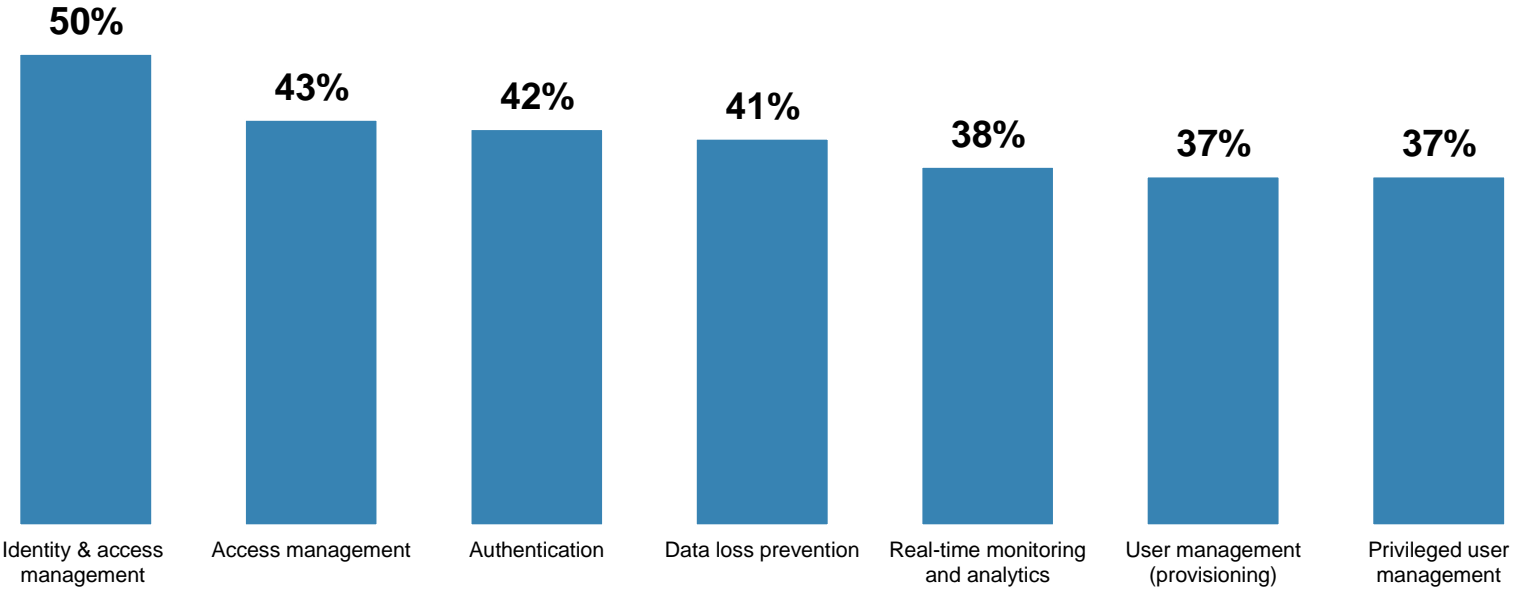
## KEY CHALLENGES:

- Most enterprises don't have enough security professionals on staff, and industry is not turning out enough of them fast enough to meet current and projected demands.
- Staffs often don't have the skill sets necessary to manage hyper-connected enterprises.
- As a result, enterprises look for technology management solutions that securely integrate existing environments and enable normalization of data across security systems.
- Many technology adoptions are driven by the businesses as opposed to IT...as a result security considerations are too often bolted-on afterthoughts.





# Respondents Embrace Managed Security Services to Offset Talent Recruitment Challenges

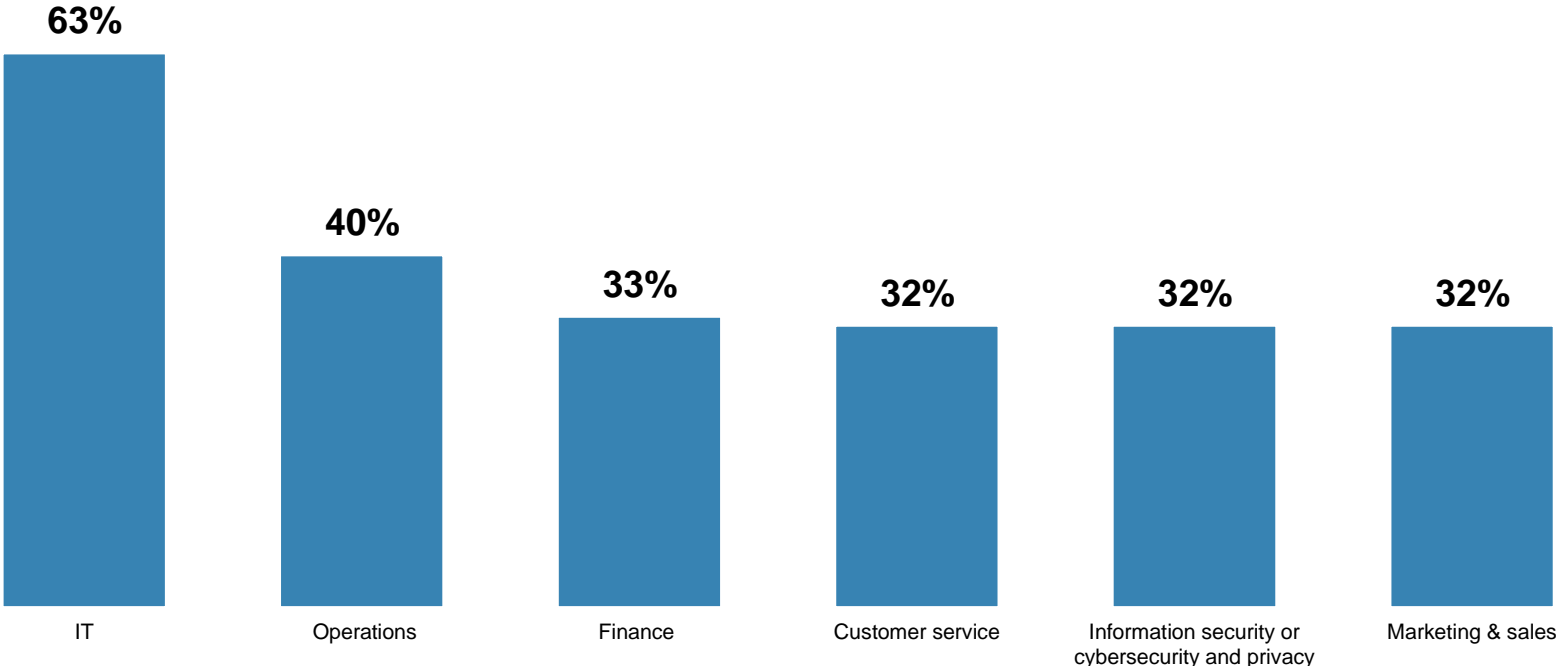


Use managed security services for cybersecurity & privacy

Q. Does your organization use managed security services in its cybersecurity and privacy programs? AND Which of the following managed security services does your organization use?



# Business Functions Run In a Cloud Environment – Majority Without a Security Strategy



**47%**  
of organizations currently have a **security strategy for cloud computing** in place  
**24% PLAN TO ACQUIRE WITHIN THE NEXT YEAR**

Q. What business function areas does your organization run in a cloud environment? AND Currently, what percentage of your organization's IT services is delivered via cloud service providers?



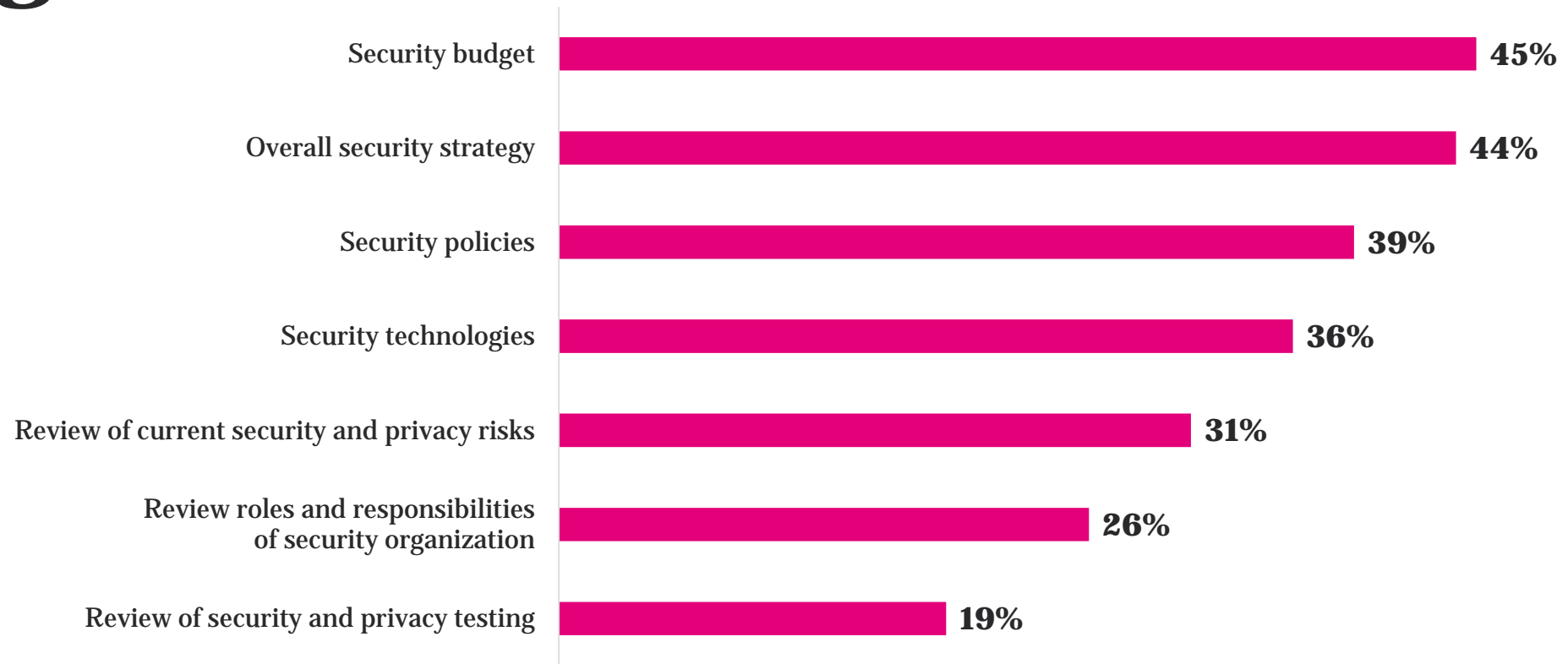
# Toward a Risk Adjusted Hyper-connected Enterprise

## ACTION ITEMS: COLLABORATION, TRANSPARENCY, RESILIENCE... ACCEPTANCE

- Business, security and technology teams really have to work much more closely together in developing new mobile-intensive and cloud-based processes.
- Transparency about technologies businesses want to use essential so that IT and security can do their jobs to enable their use in a secure manner.
- Resiliency is critical in a hyper-connected environment. Organizations must be able to take a punch...and recover...fast.
- Board level acceptance of risk tolerance an enterprise is willing to take...as new processes are enabled by new technologies.



# Board Leadership Must Be Further Engaged



Q. In which of the following areas does your organization's Board of Directors actively participate?



# CSO.com Advice for Businesses

- C-suites must lead the charge – and Boards must be engaged
- Pursue resilience as a path to rewards – not merely to avoid risk
- Purposefully collaborate and leverage lessons-learned
- Stress-test interdependencies in your digital business ecosystem
- Focus more on risks involving data manipulation and destruction

