



COMPLETE SURVEY RESULTS

The Life and Times of Cybersecurity Professionals

Volume VI, 2023

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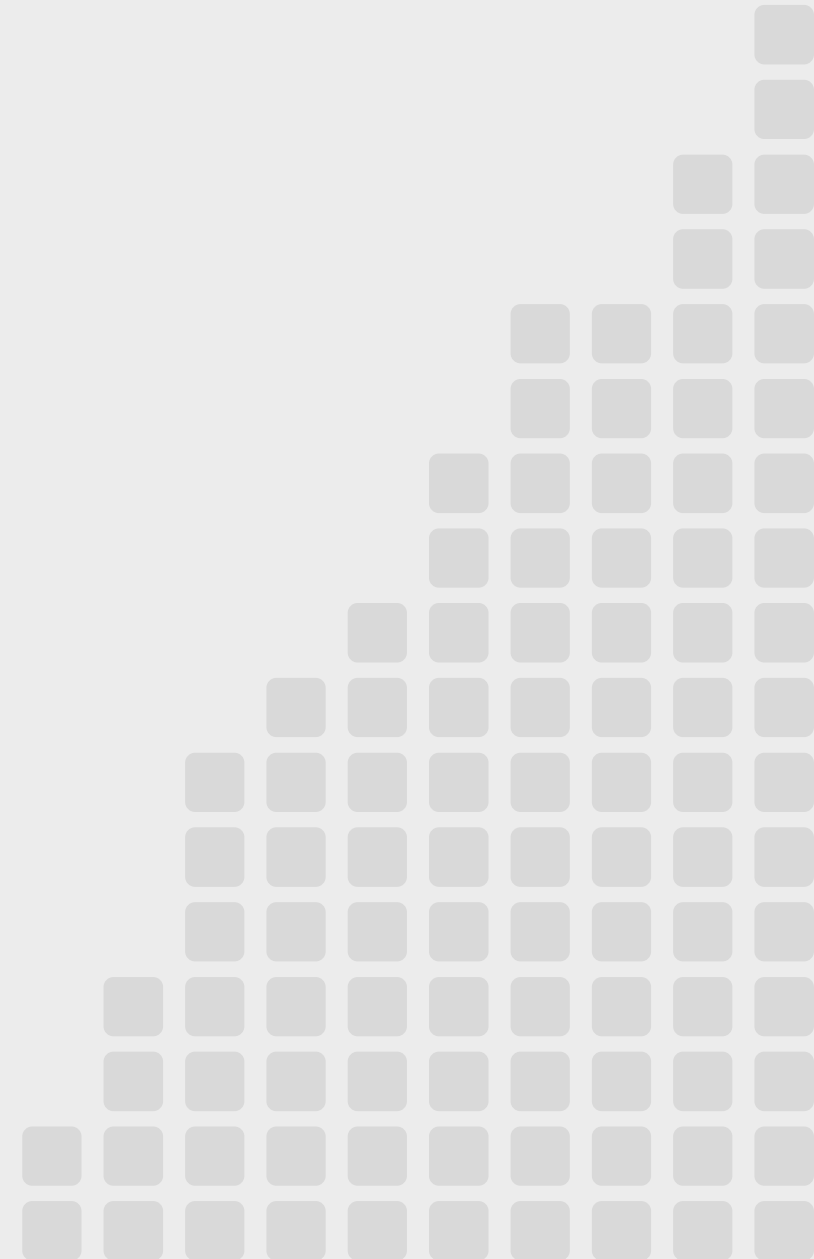
August 2023



About this Document

TechTarget's Enterprise Strategy Group (ESG)'s Complete Survey Results provide the complete output of syndicated research surveys in graphical format. In addition to the data, these documents provide background information on the survey, including respondent profiles at an individual and organizational level. It is important to note that these documents do not contain analysis of the data.

This Complete Survey Results presentation focuses on the experiences of cybersecurity professionals, including performance assessments of their cybersecurity leaders and their suggestions for what organizations can do to help cybersecurity professionals succeed.



Research Objectives

- **Assess** the career progression of cybersecurity professionals.
- **Determine** whether cybersecurity professionals are satisfied with their careers and current jobs.
- **Measure** the impact of the global cybersecurity skills shortage and uncover what organizations are doing in response.
- **Monitor** cybersecurity leadership status.

Survey Details

QUANTITATIVE WEB-BASED SURVEY

- N=301 qualified completes.
- Global coverage (respondents from North America, Europe, Asia, Central/South America, and Africa).
- Field dates: 2/7/2023-3/12/2023.

SURVEY RESPONDENTS

- Information security and IT professionals from ISSA's member list.
- Employed at private- and public-sector organizations worldwide.
 - 39% midmarket or smaller (fewer than 1,000 employees).
 - 61% enterprise (1,000 or more employees).
- Multiple industry verticals including technology, government, financial, business services, and healthcare, among others.
- Complete demographics included at end of presentation.

Contents

- Survey Overview
- Research Methodology
- Research Data
 - Cybersecurity Career
 - Cybersecurity Career Satisfaction
 - Cybersecurity Culture
 - Cybersecurity Skills Shortage
 - Cybersecurity Leadership
 - Respondent Demographics/Firmographics



Research Methodology

ESG conducted a comprehensive online survey of IT and cybersecurity professionals from private- and public-sector organizations in North America (United States and Canada), Europe, Asia, Central/South America, and Africa between February 7, 2023 and March 12, 2023. To qualify for this survey, respondents were required to be information security and IT professionals from the [Information Systems Security Association](#) (ISSA)'s member list. All respondents were provided an incentive to complete the survey in the form of cash awards and/or cash equivalents.

After filtering out unqualified respondents, removing duplicate responses, and screening the remaining completed responses (on a number of criteria) for data integrity, we were left with a final total sample of 301 senior information security and IT professionals.

Please see the Respondent Demographics section at the end of this presentation for more information on these respondents and their organizations.

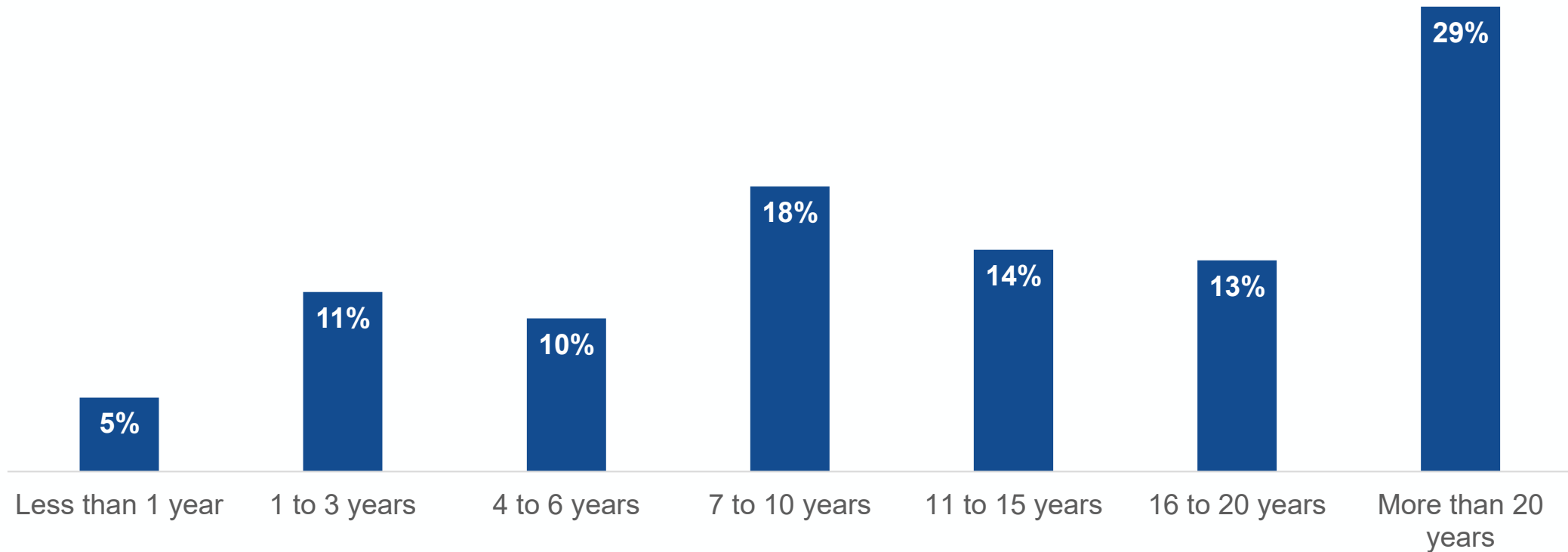
Note: Totals in figures and tables throughout this document may not add up to 100% due to rounding.

Cybersecurity Career



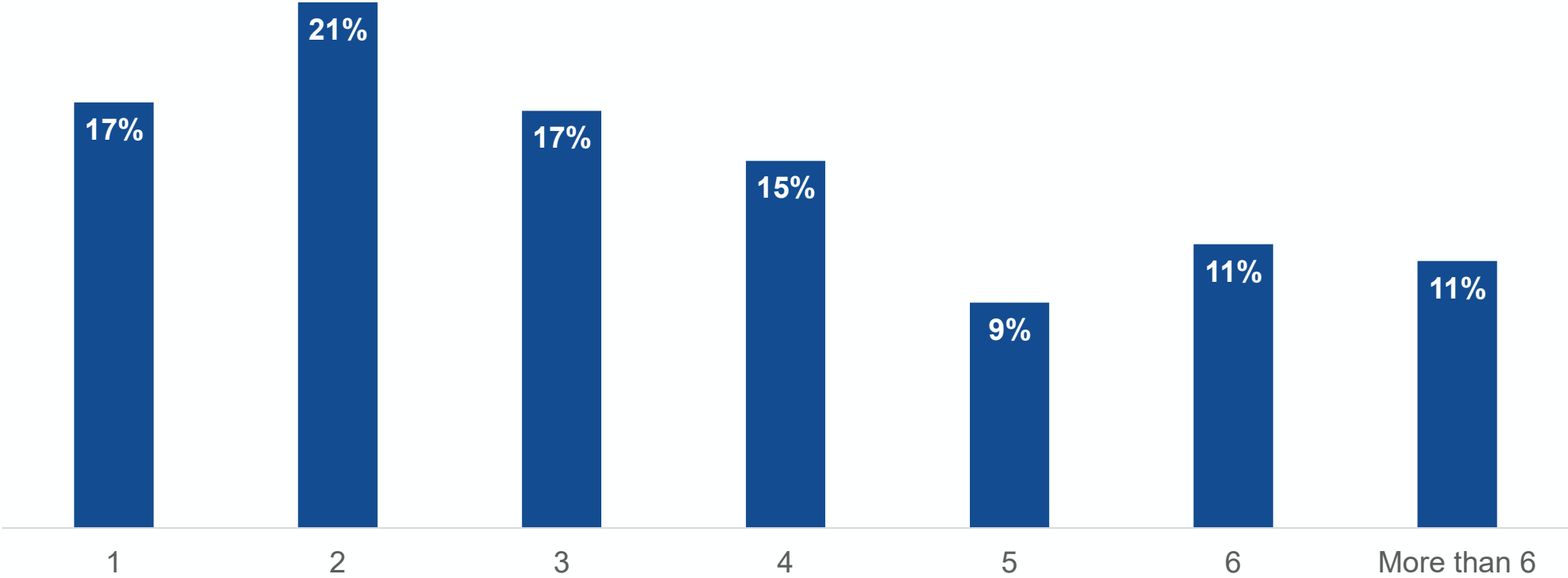
Respondents by Length of Career

Approximately how long have you been employed as a cybersecurity professional? (Percent of respondents, N=301)



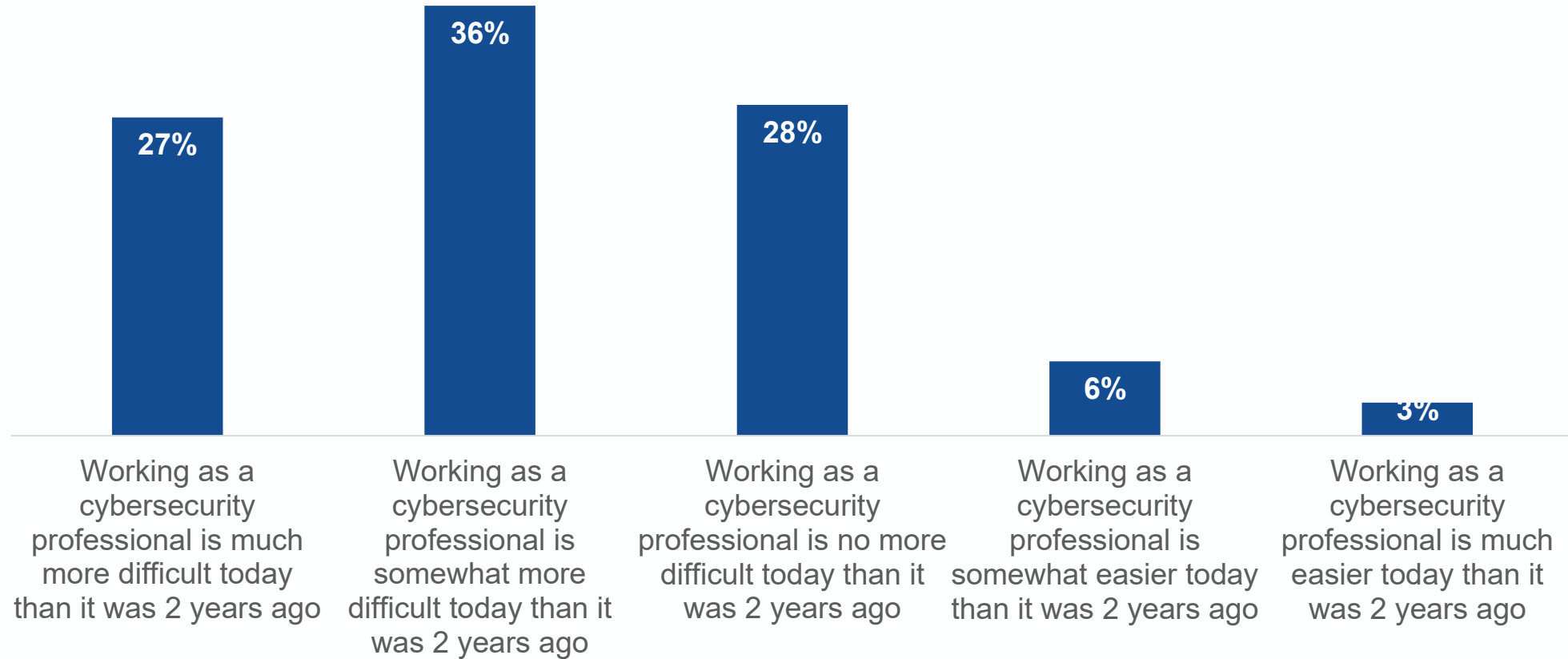
Total Number of Cybersecurity Jobs Spanning Career

Approximately how many different organizations have you worked for during the span of your cybersecurity career? (Percent of respondents, N=301)



Cybersecurity Profession Is Getting More Difficult

Which of the following statements is most accurate based on your recent experience?
(Percent of respondents, N=287)



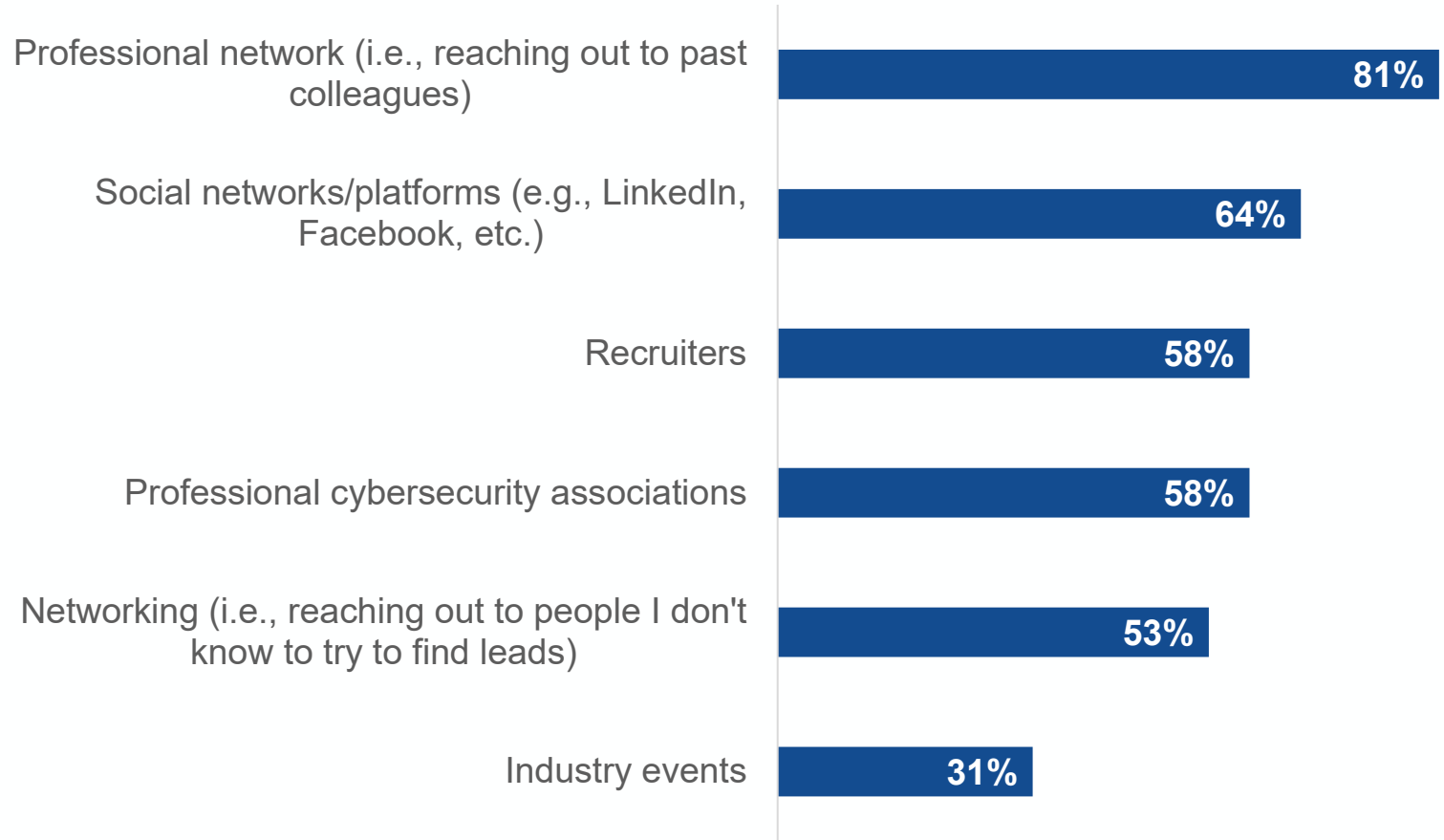
Reasons Profession Has Become More Difficult Include Increased Complexity and Attack Surfaces

You indicated that working as a cybersecurity professional is more difficult today than it was 2 years ago. Why do you believe this is so? (Percent of respondents, N=181, multiple responses accepted)



Resources Cybersecurity Professionals Would Use for Job Searches

If you were looking for a new cybersecurity job, which of the following resources would you rely upon to find the right position? (Percent of respondents, N=301, multiple responses accepted)



Career Advice for Prospective Cybersecurity Professionals

If you were advising someone who wanted to get into the cybersecurity field, what is the primary piece of advice you would give them? (Percent of respondents, N=301, one response accepted)



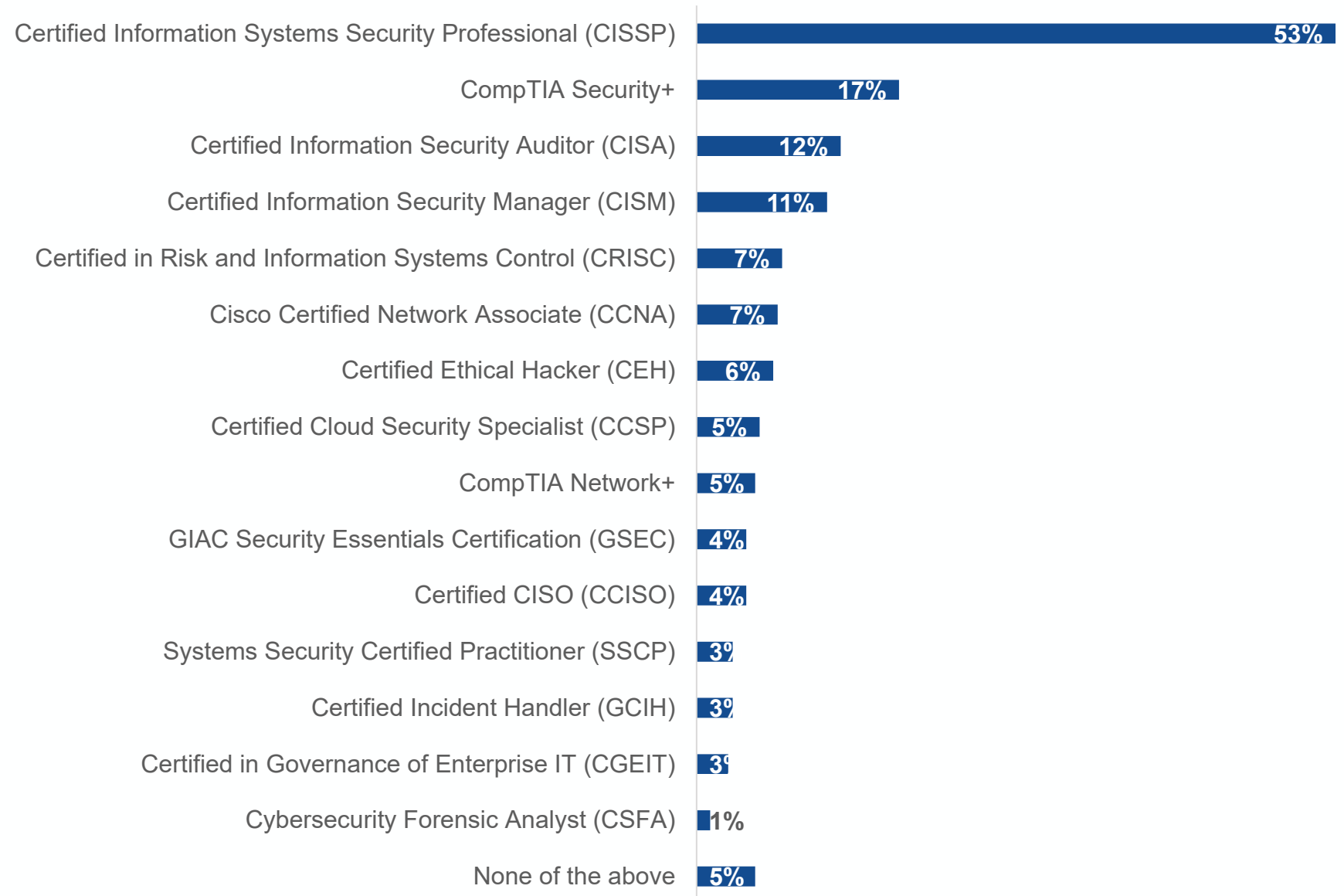
Cybersecurity Certifications Achieved

Which of the following security certifications, if any, have you achieved? (Percent of respondents, N=301, multiple responses accepted)



Certifications With Measurable Career Impact

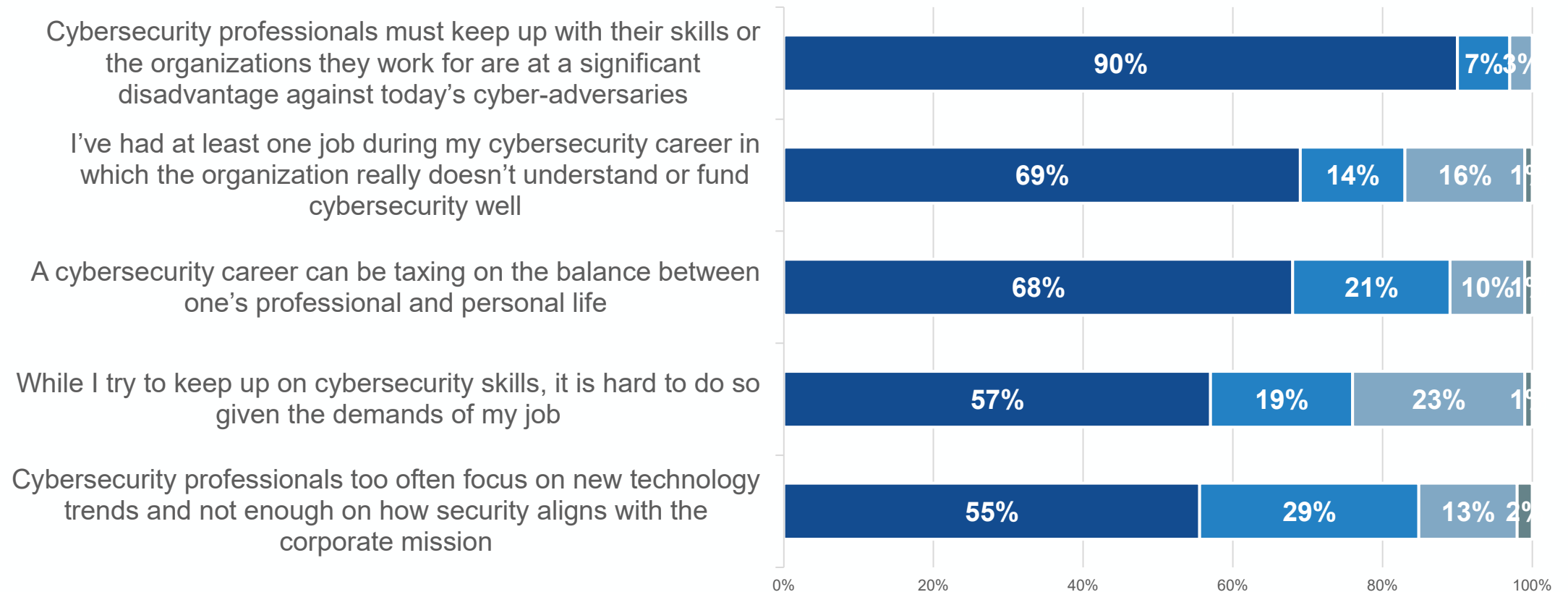
Of the security certifications you have achieved to date, which do believe has had a positive measurable impact on your career as a cybersecurity professional?
(Percent of respondents, N=269, multiple responses accepted)



Cybersecurity Professionals' Opinions on Cybersecurity Landscape

Please select one response per row that best reflects your opinion on each statement. (Percent of respondents, N=301)

■ Agree ■ Neither agree nor disagree ■ Disagree ■ Don't know/no opinion



Cybersecurity Career Advancement Techniques

Which of the following actions do you believe would be the most helpful for you in the advancement of your cybersecurity career? (Percent of respondents, N=301, multiple responses accepted)

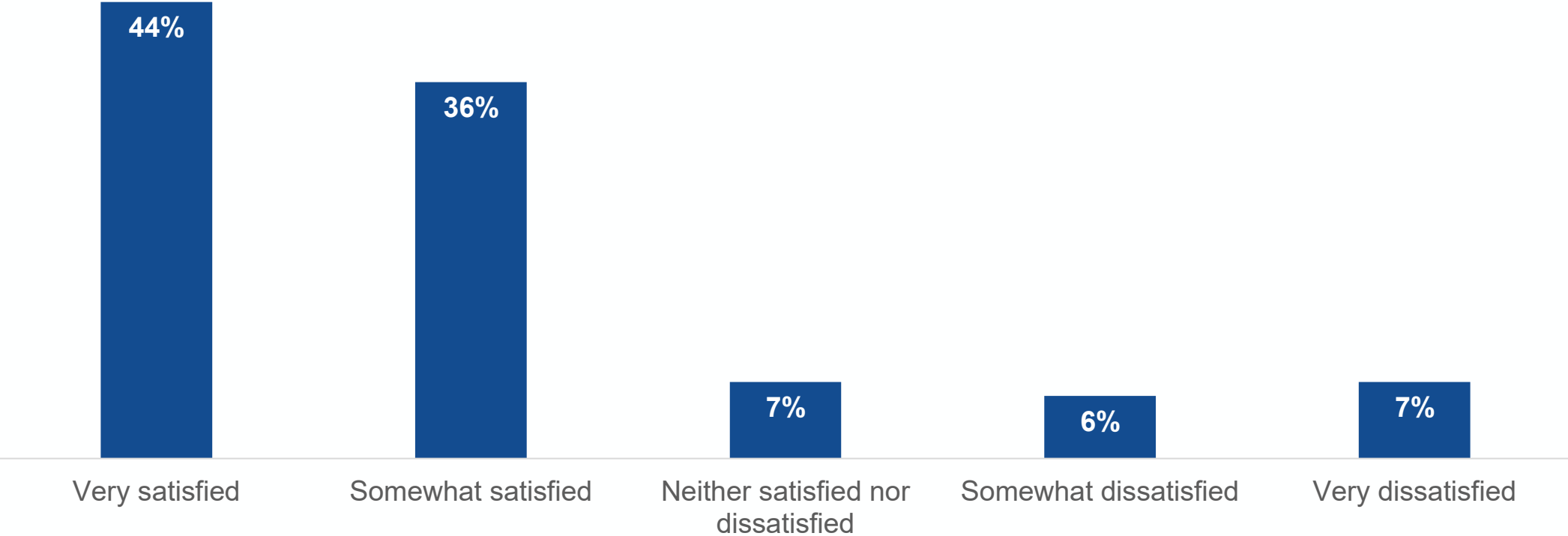


Cybersecurity Career Satisfaction



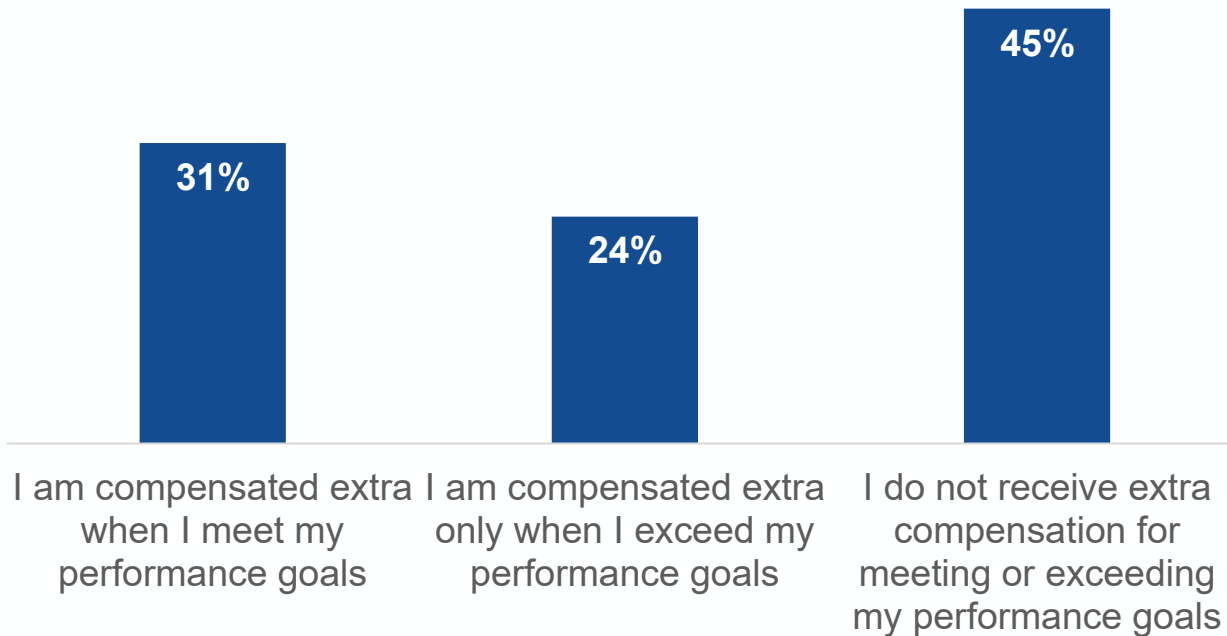
Less than Half of Cybersecurity Professionals Are Very Satisfied With Their Current Jobs

How satisfied are you at your current job? (Percent of respondents, N=301)

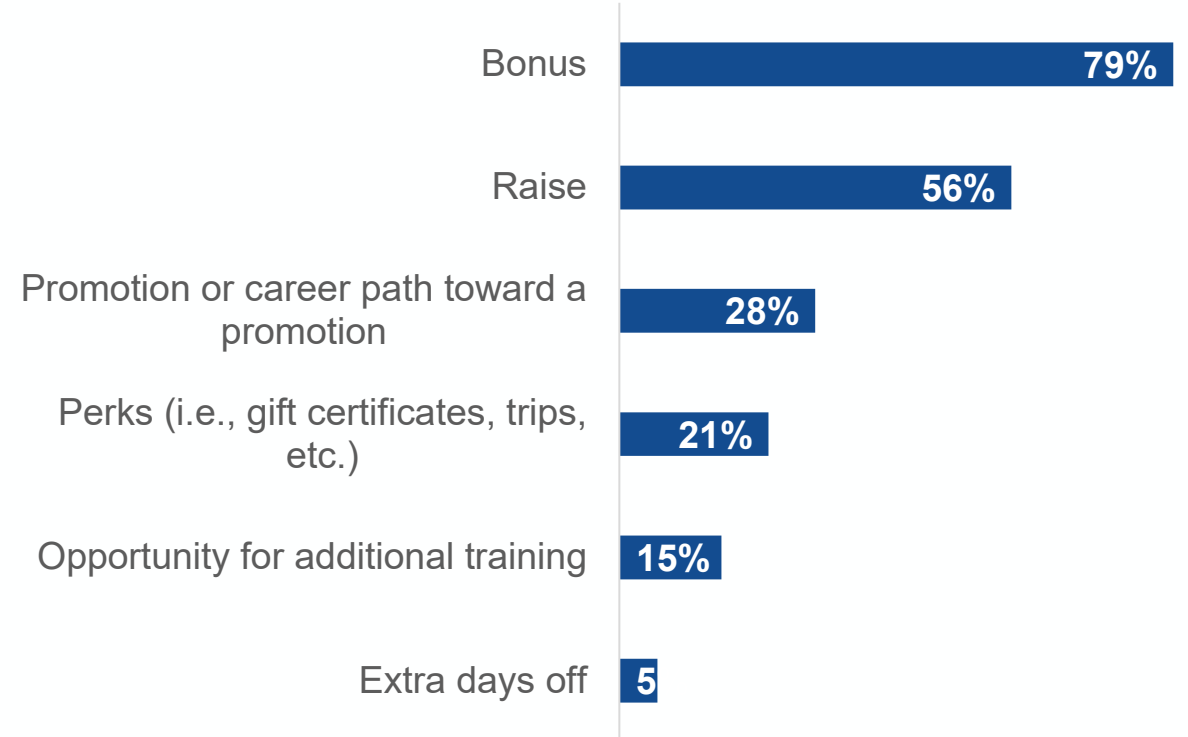


Compensation for Meeting/Exceeding Goals Likelier to Be Monetary in Nature

Which of the following statements about the connection between your performance goals and extra compensation is most accurate? (Percent of respondents, N=301)



How does your organization compensate you for meeting or exceeding your performance goals? (Percent of respondents, N=165, multiple responses accepted)



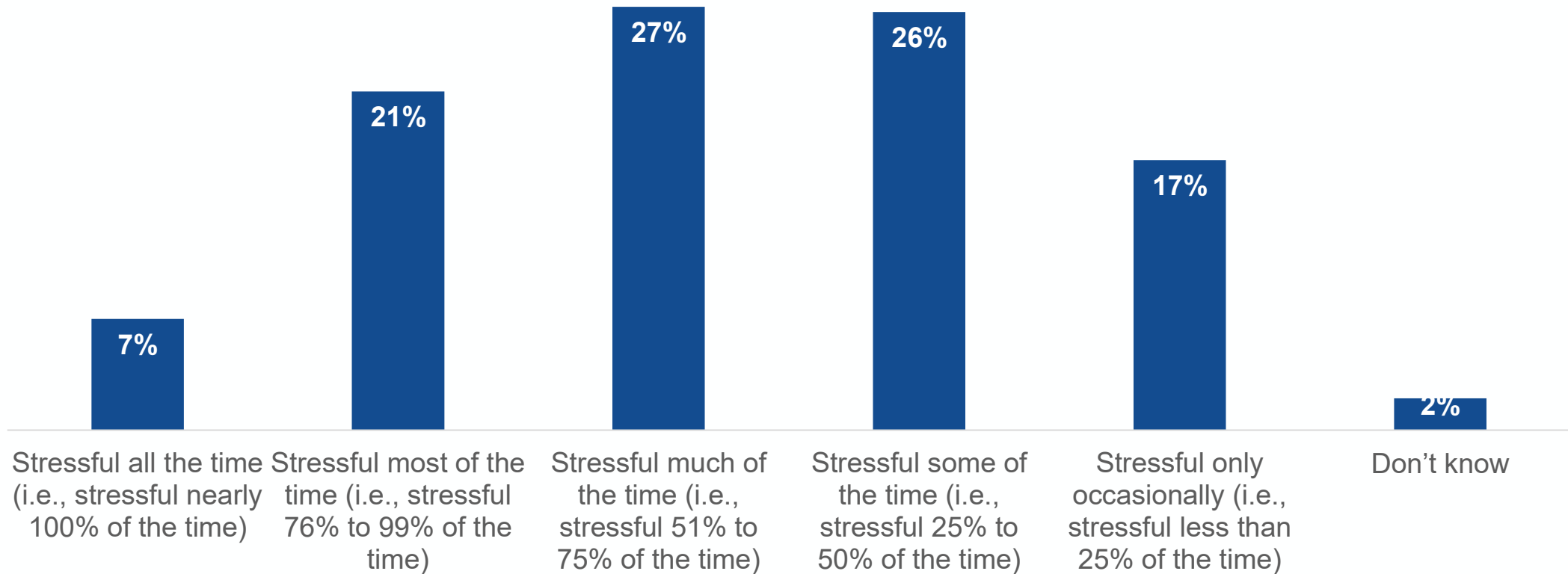
Factors Determining Job Satisfaction Include Compensation and Business Commitment to Strong Cybersecurity

Which of the following are the biggest factors for determining your level of job satisfaction? (Percent of respondents, N=301, three responses accepted)



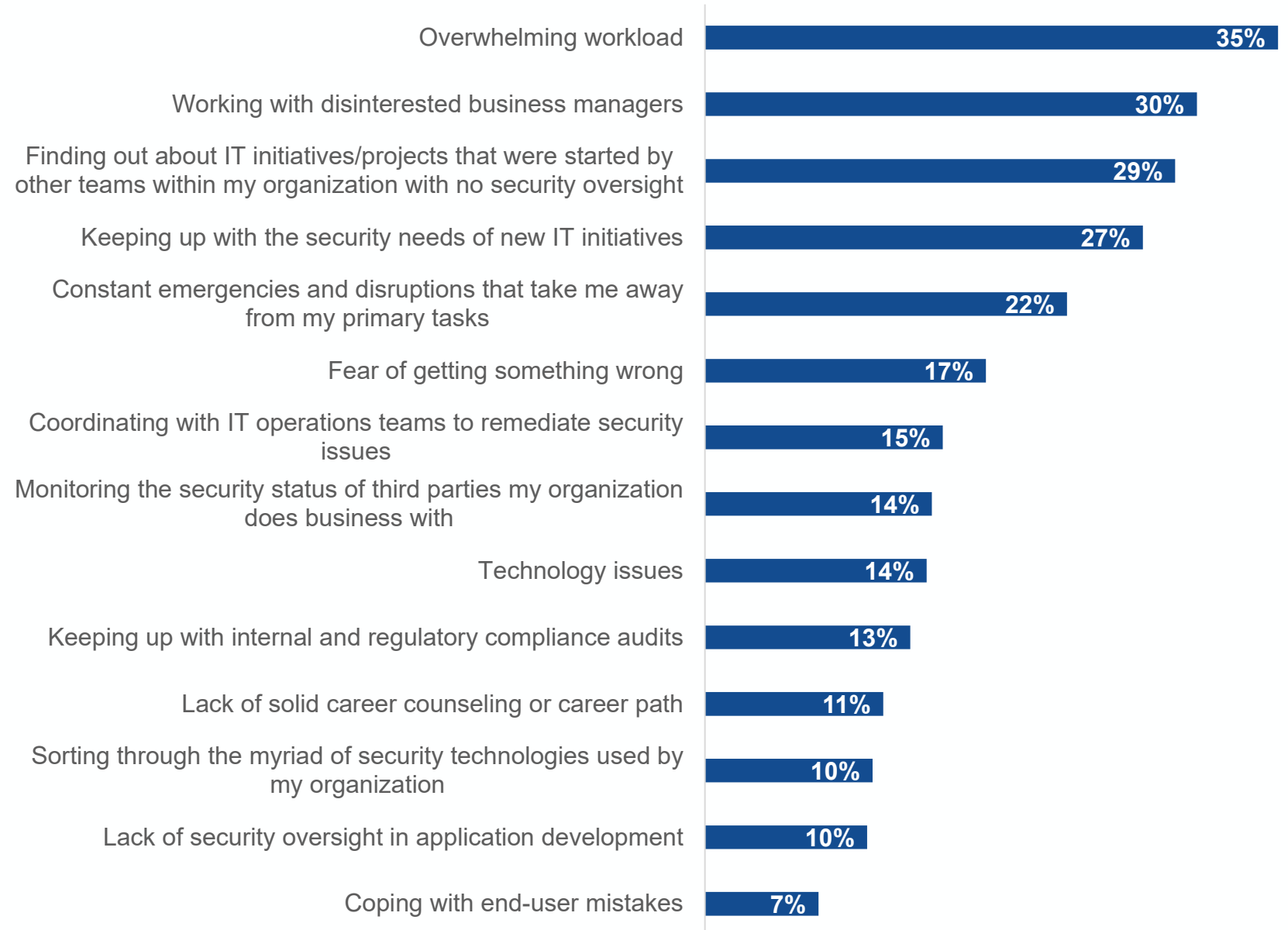
Majority Say that a Cybersecurity Career Is Stressful at Least Half the Time

Generally speaking, which of the following statements most closely characterizes the stress level typically associated with your cybersecurity career? (Percent of respondents, N=301)



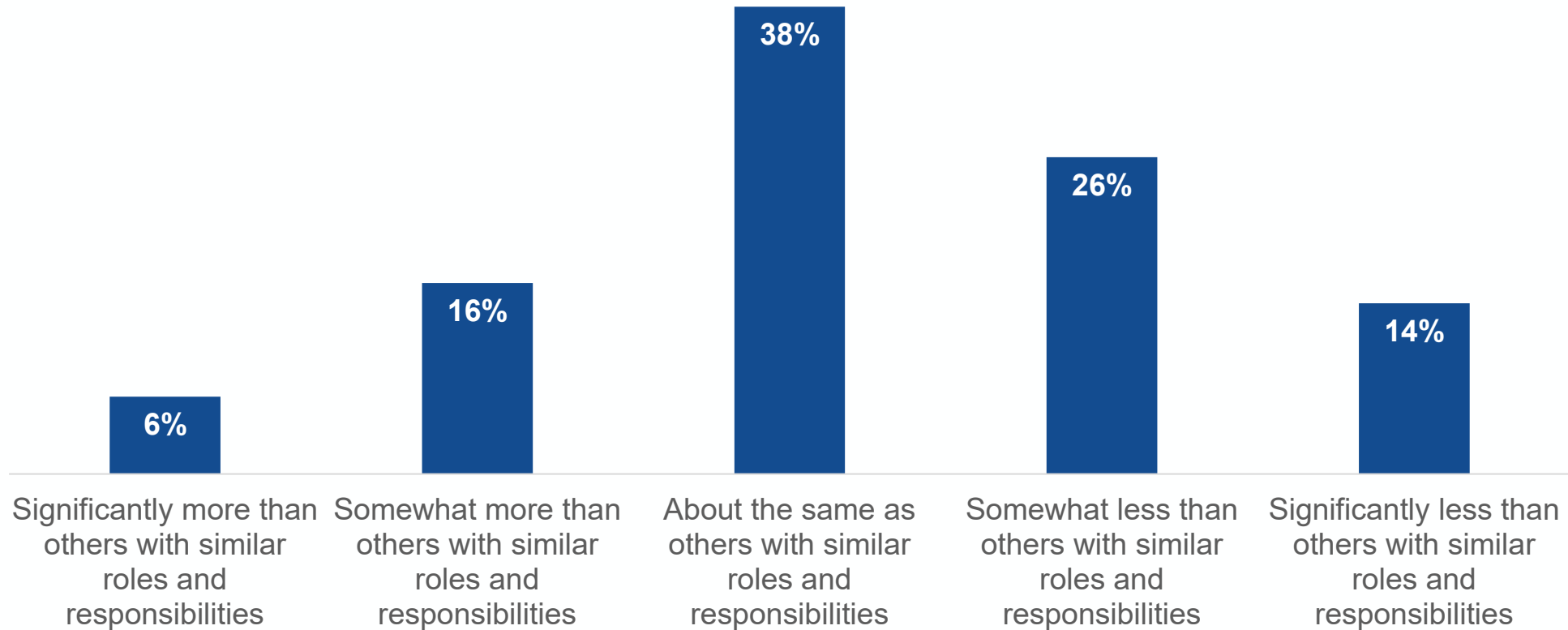
Stressful Aspects of the Cybersecurity Profession Include Workloads and Dealing with Business Managers

What are the most stressful aspects of your job/career as a cybersecurity professional? (Percent of respondents, N=301, three responses accepted)



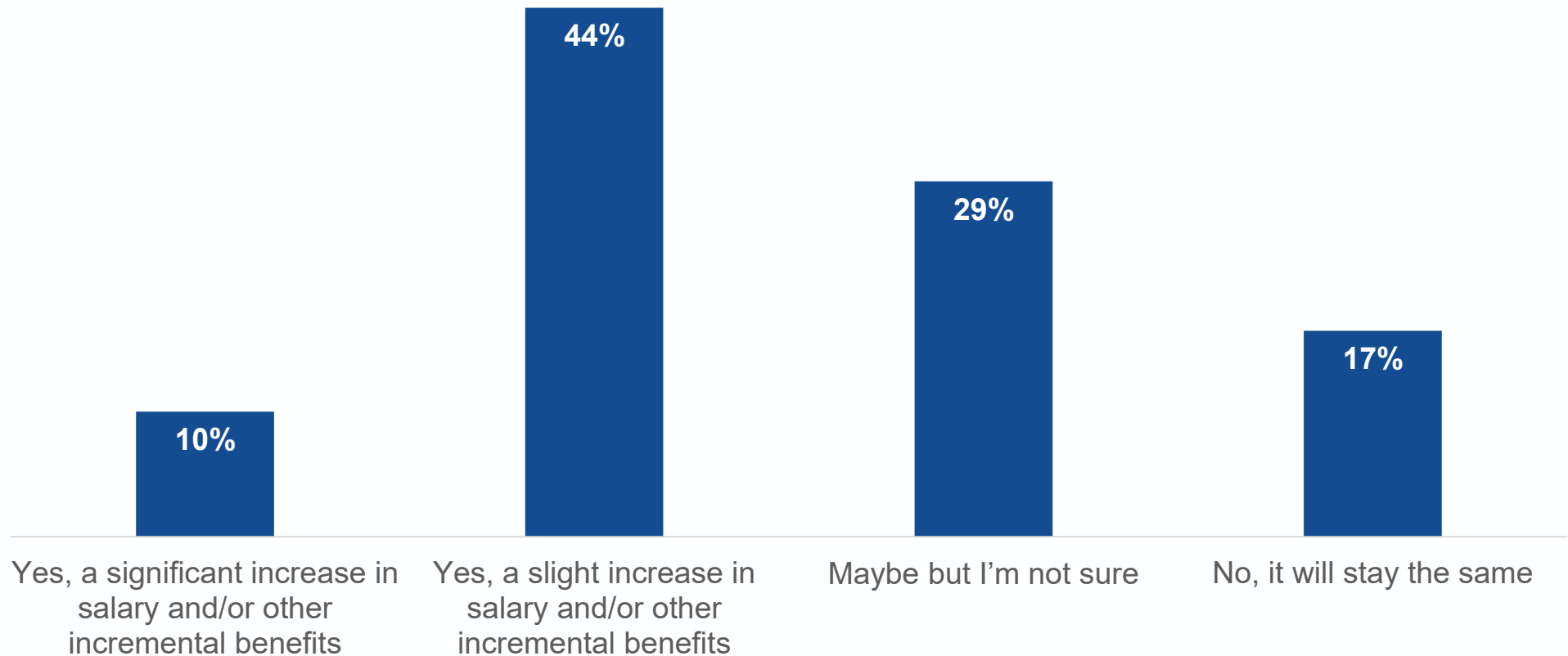
Many Cybersecurity Pros Feel Underpaid to Some Extent

How do you believe your total compensation package compares with other security professionals with similar roles and responsibilities? (Percent of respondents, N=301)



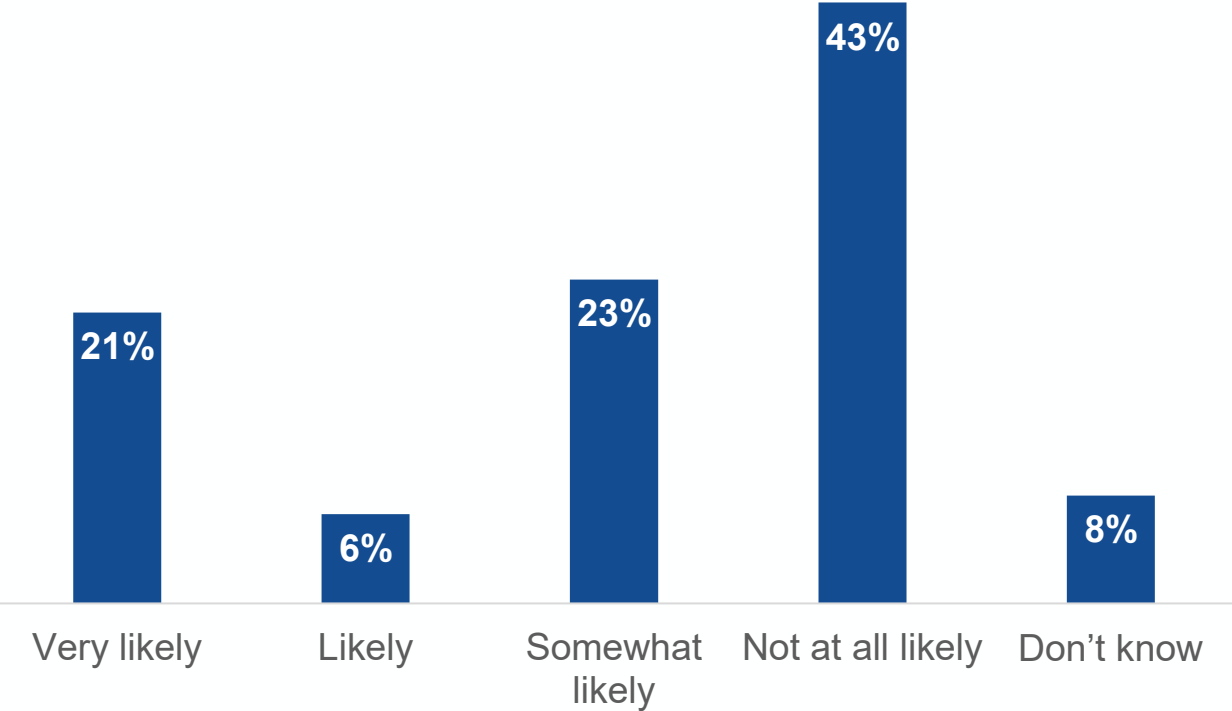
Most Cybersecurity Pros Expect a Salary Increase in 2023

Do you expect to receive an increase in salary or other incremental benefits from your current employer in 2023? (Percent of respondents, N=301)

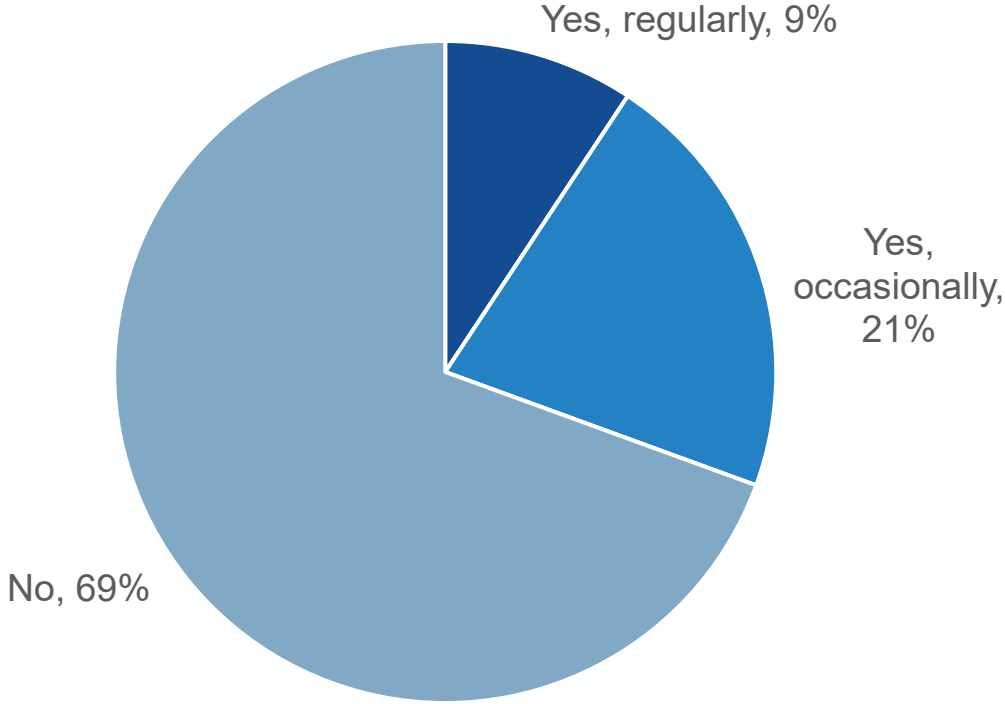


More than One-quarter of Cybersecurity Pros Likely to Leave Job in 2023 or Have Considered Leaving Cybersecurity Profession Entirely

How likely are you to leave your current job in 2023 for any reason (e.g., retire, change careers, leave for another cybersecurity job, etc.)? (Percent of respondents, N=301)

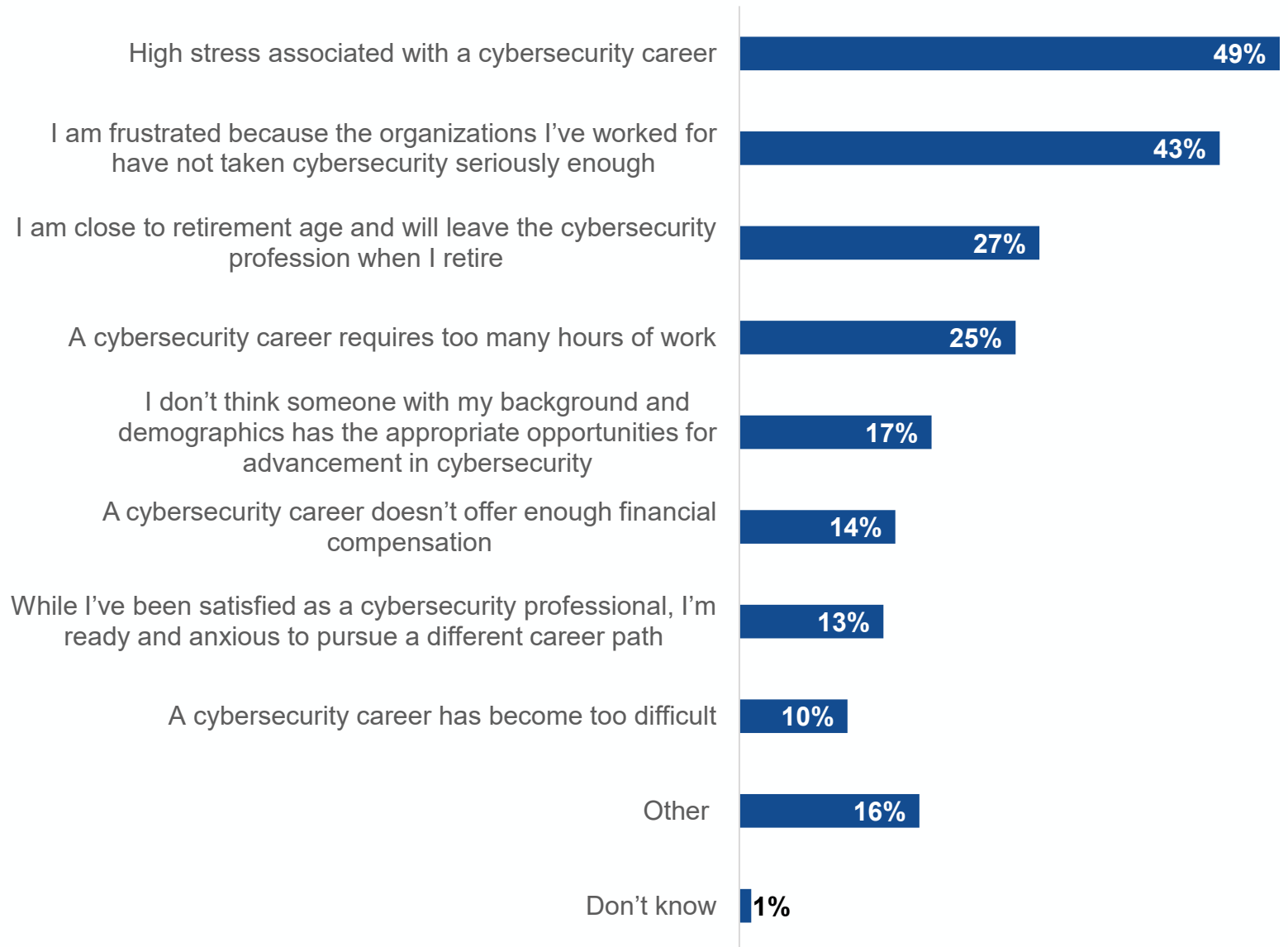


Have you considered leaving the cybersecurity profession over the last 12 to 18 months? (Percent of respondents, N=301)



Stress and Underprioritizing Cybersecurity Most Common Reasons for Leaving the Profession

Which of the following are reasons you've considered leaving the cybersecurity profession over the last 12-18 months? (Percent of respondents, N=92, multiple responses accepted)



Cybersecurity Culture



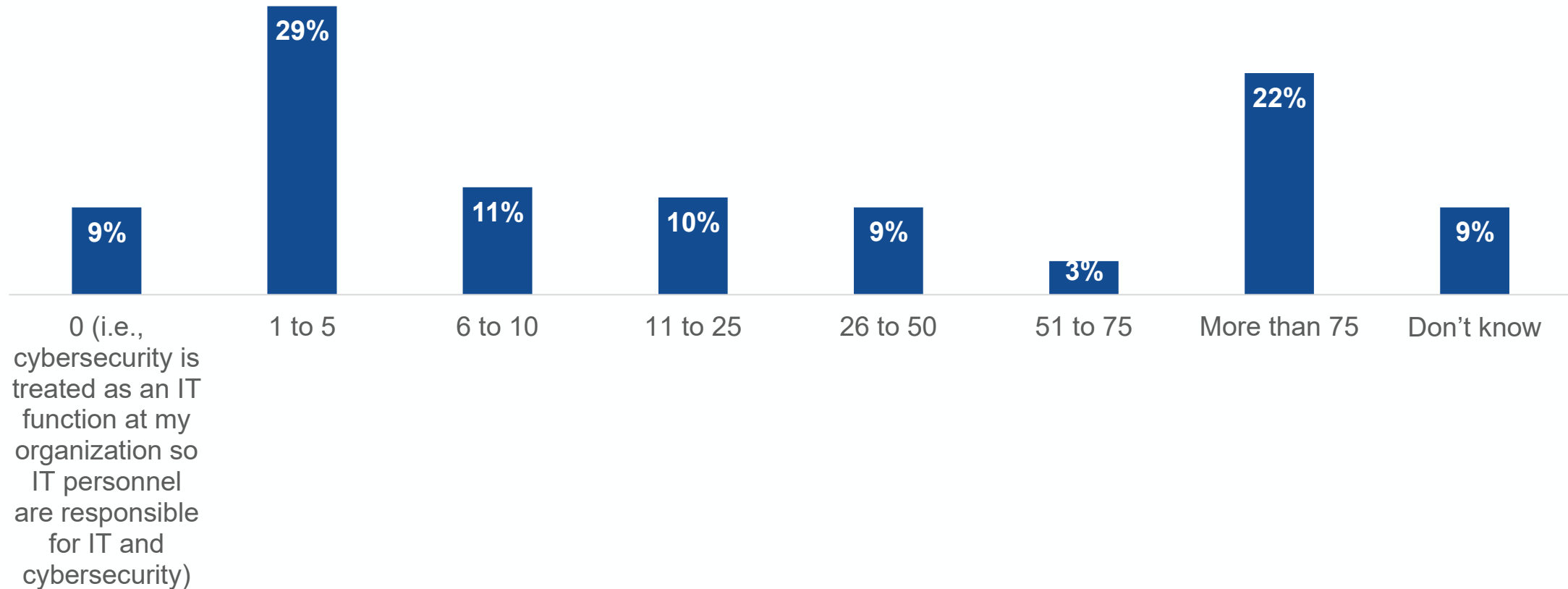
More than Two-thirds Say Their Organization's Cybersecurity Culture Is Average at Best

How would you characterize the cybersecurity culture at your organization? (Percent of respondents, N=301)



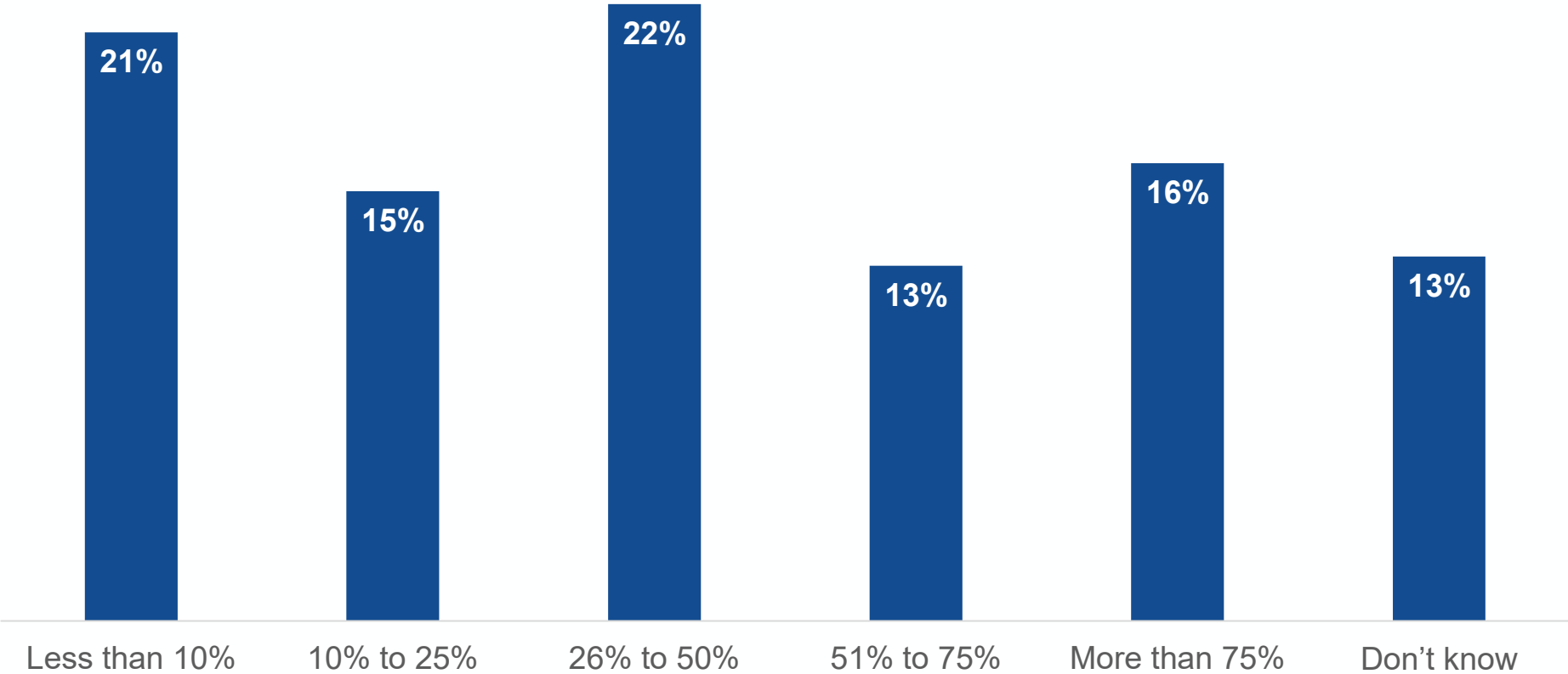
Number of Full-time Cybersecurity Employees

Approximately how many full-time employees does your organization have dedicated to cybersecurity (i.e., cybersecurity planning, operations, threat intelligence analysis, incident response, vulnerability management, etc.)? (Percent of respondents, N=301)



Majority Say IT Handles More than One-quarter of Daily Cybersecurity Tasks

In your opinion, how much of your organization's day-to-day security tasks are done by people with IT (rather than security) titles? (Percent of respondents, N=301)



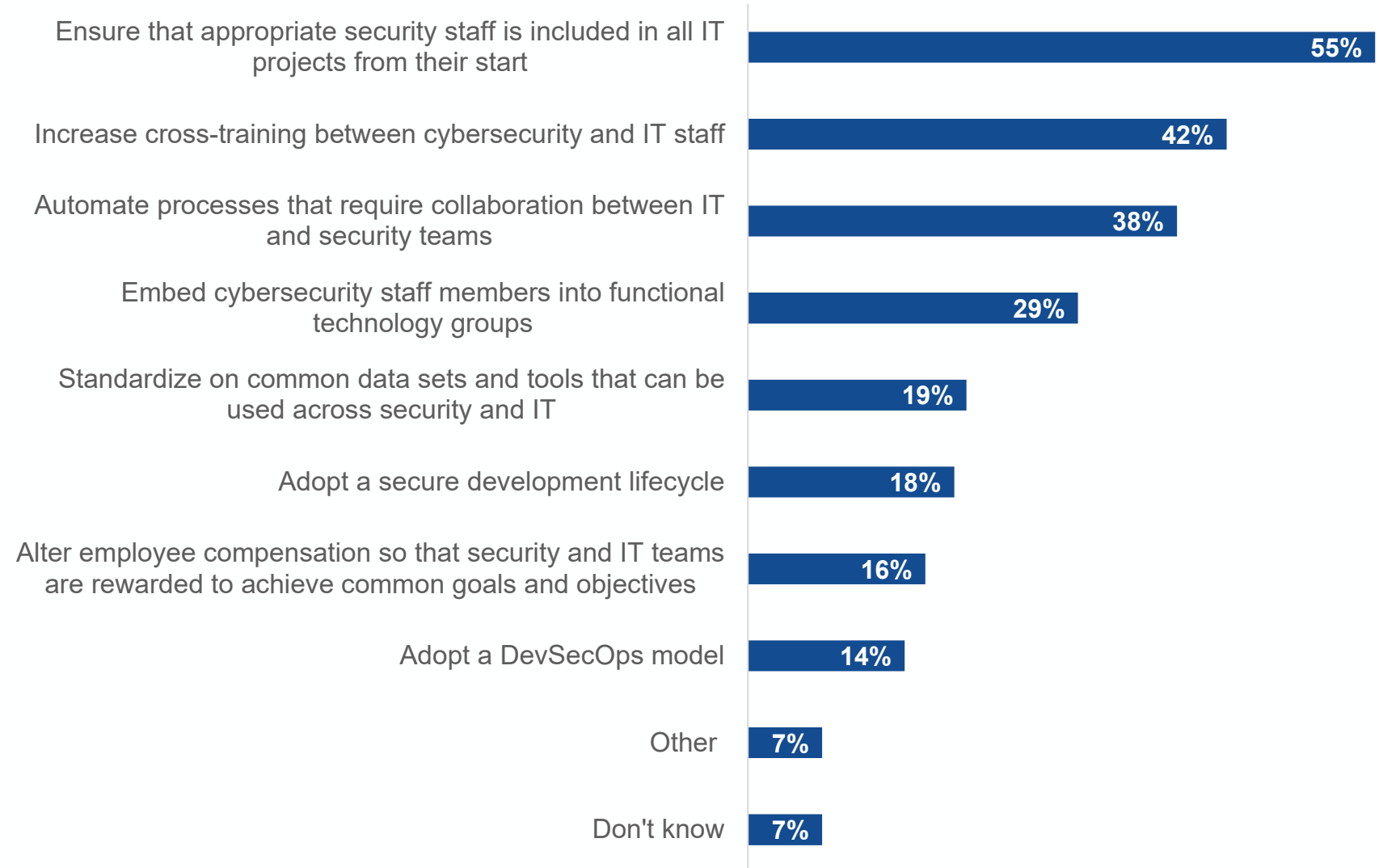
Cybersecurity Relationships Are Better with Technical Teams

How would you characterize the working relationship (i.e., communication, collaboration, common goals, and objectives, etc.) between your organization's cybersecurity department and each of these others? (Percent of respondents, N=301)



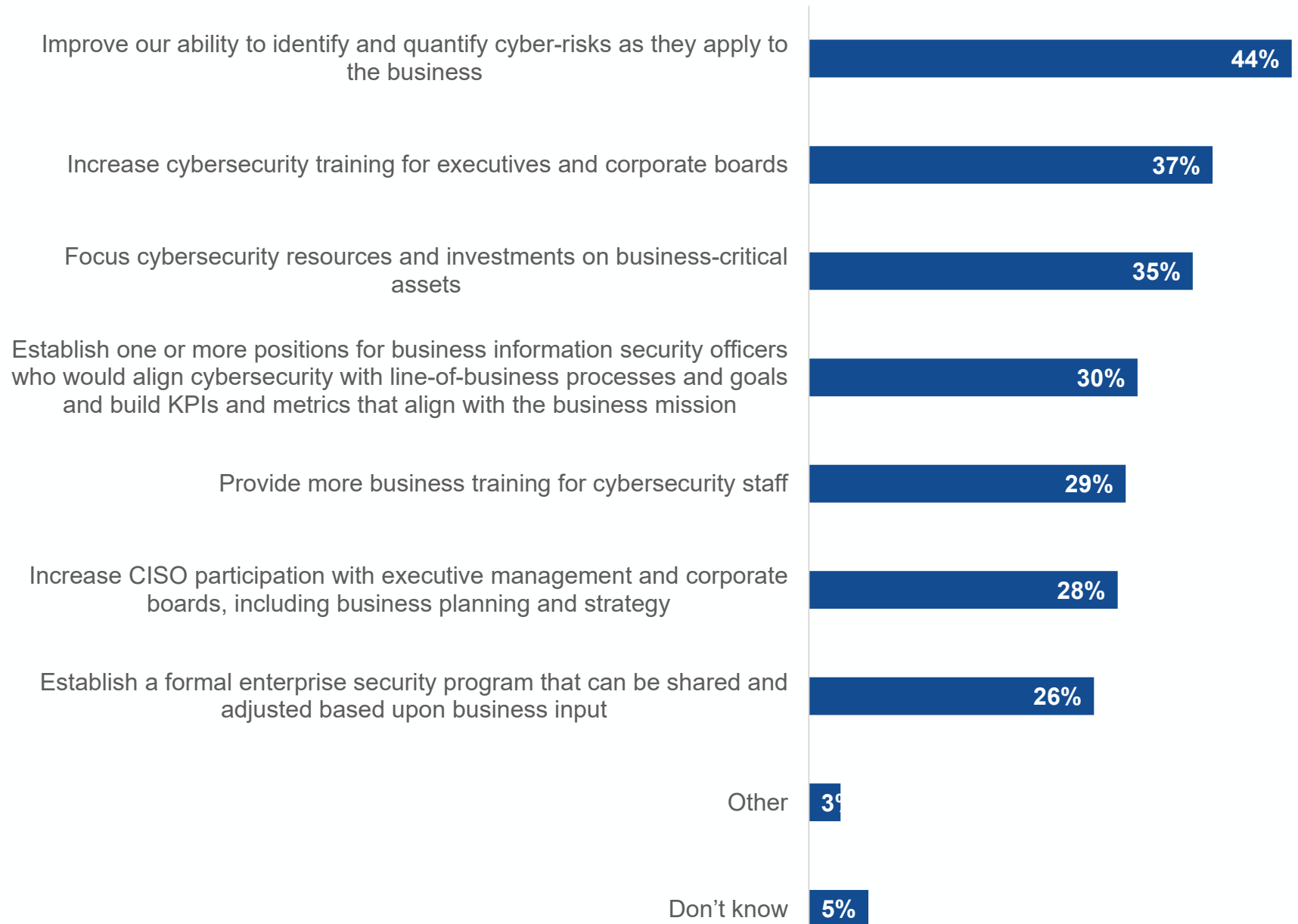
How to Improve Relationships Between Security and IT Teams

Regardless of the status, which of the following actions could be most impactful for improving the working relationship between the security and IT teams at your organization? (Percent of respondents, N=275, three responses accepted)

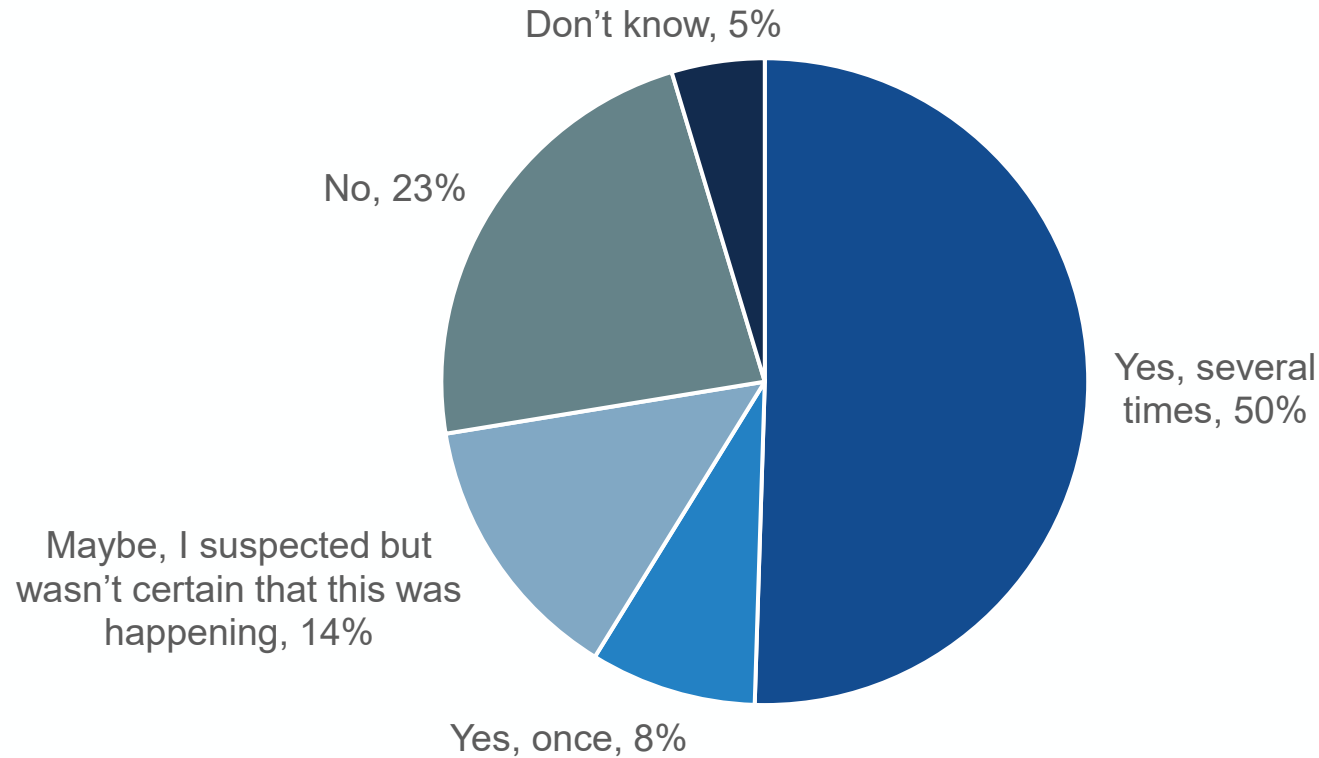


How to Improve Relationships Between Security and Business Managers

Regardless of the status, which of the following actions could be most impactful for improving the working relationship between the security and business management (i.e., line of business managers, corporate executives, etc.) teams at your organization?

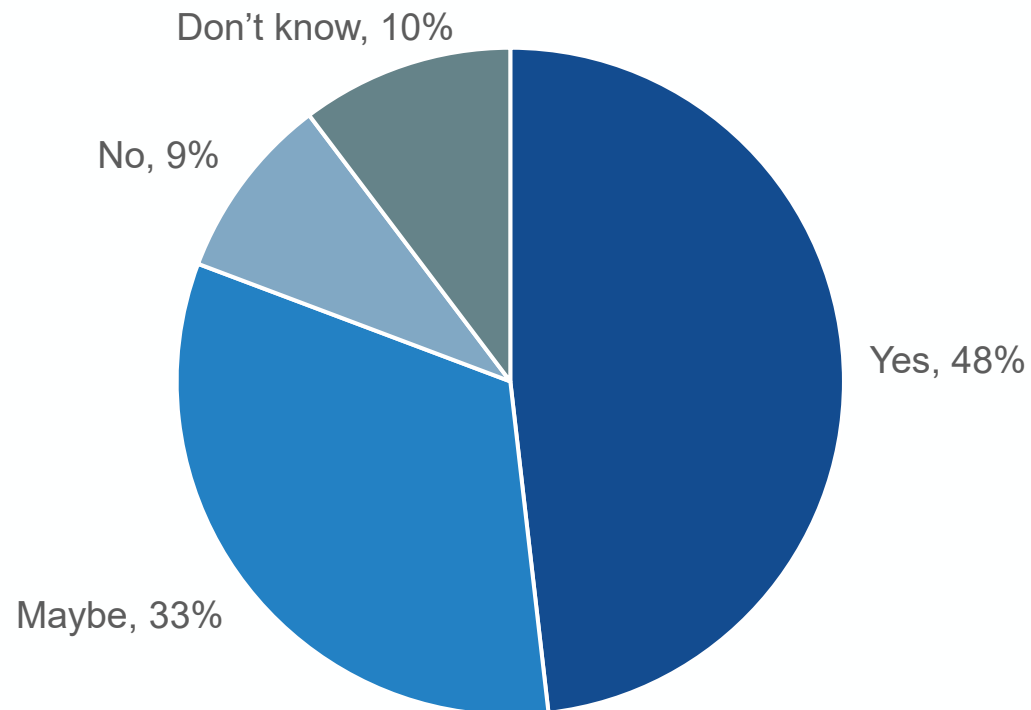


At any time in your career, have you experienced a situation in which the organization you worked for was knowingly ignoring security best practices and/or regulatory compliance requirements? (Percent of respondents, N=301)



Career History With Organizations Apathetic to Cybersecurity

If you were put in a situation in which the organization you worked for knowingly ignored security best practices and/or regulatory compliance requirements, despite warnings from the security team, would you be willing to act as a whistleblower?
(Percent of respondents, N=301)



Willingness to Be a Cybersecurity Whistleblower

Actions to Improve Cybersecurity Culture Include Making It a Business Priority

What, if anything, could your organization do to improve its cybersecurity culture? (Percent of respondents, N=301, three responses accepted)



Improving Cybersecurity Programs Through Training and Hiring

Which of the following actions do you believe your organization could take to improve its cybersecurity program? (Percent of respondents, N=301, multiple responses accepted)

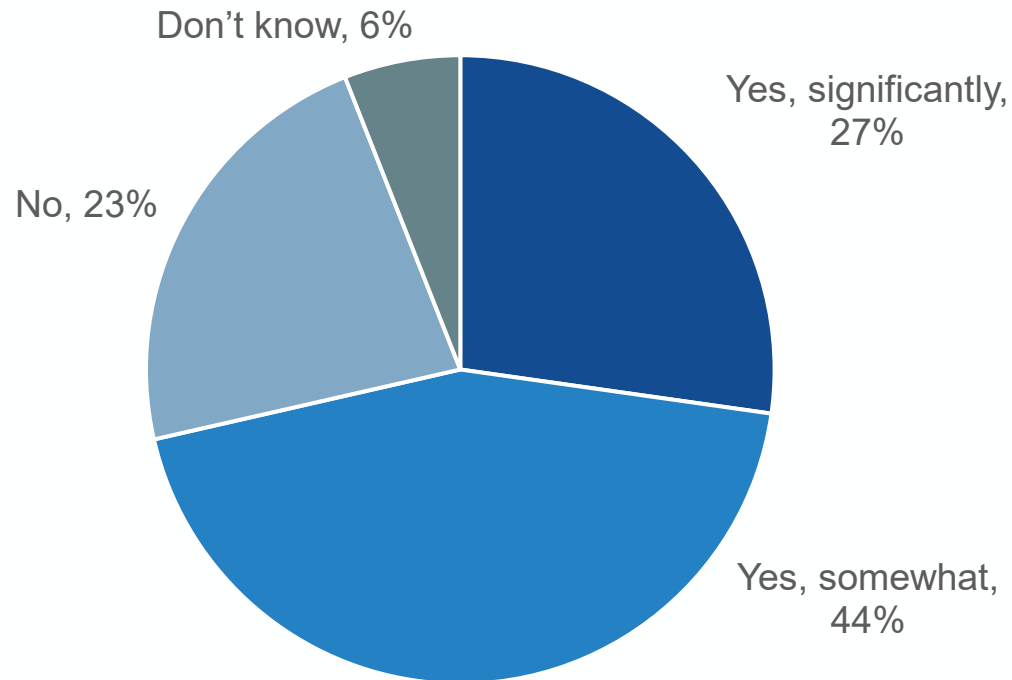


Cybersecurity Skills Shortage

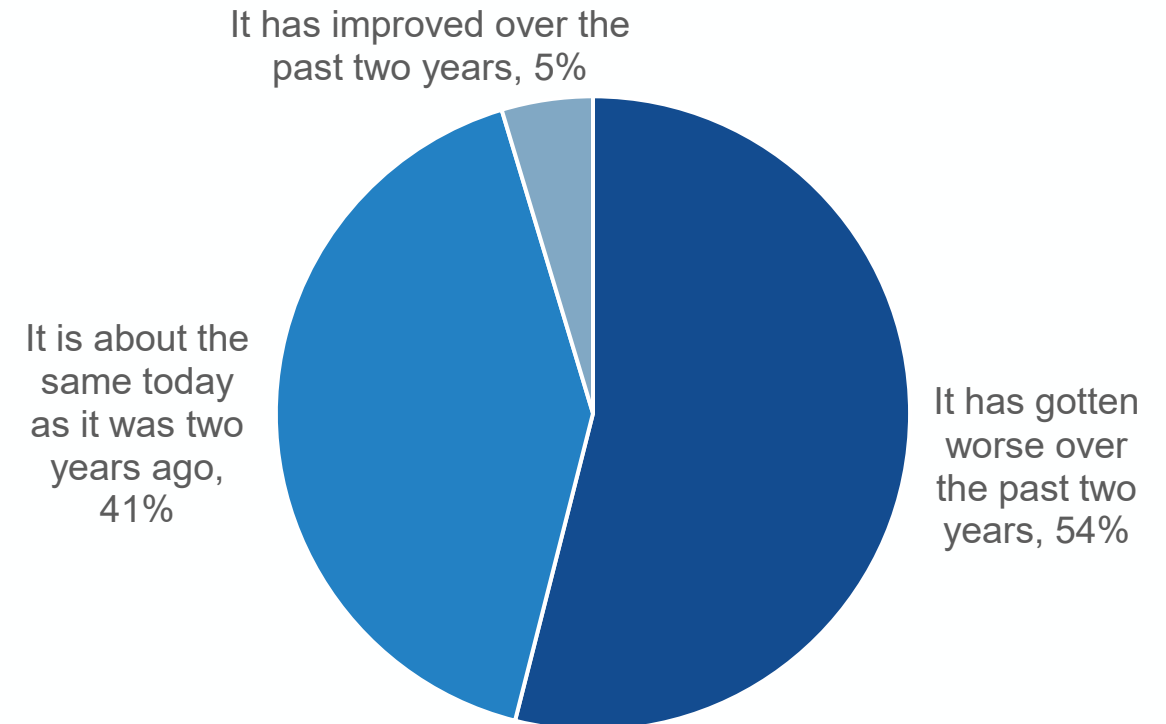


Impact and Status of the Global Cybersecurity Skills Shortage

There has been a lot written about the global cybersecurity skills shortage. Has this trend impacted the organization for which you currently work? (Percent of respondents, N=301)



How do you think the cybersecurity skills shortage and its impact on your organization has changed over the last two years? (Percent of respondents, N=215)



Factors Contributing to the Skills Shortage Impact

Which of the following are the biggest factors contributing to the cybersecurity skills shortage's impact on your organization? (Percent of respondents, N=215, three responses accepted)



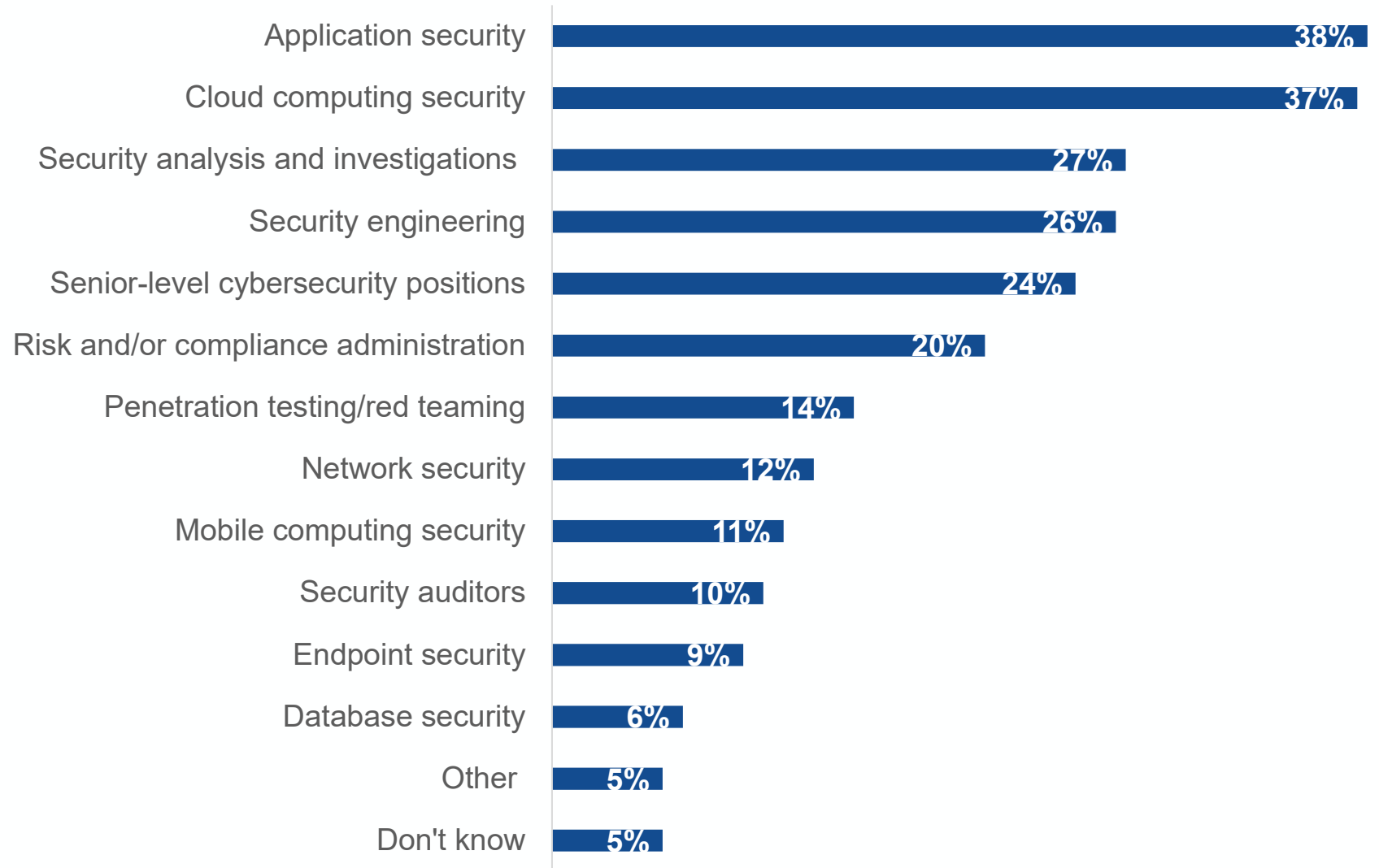
Impact of the Cybersecurity Skills Shortage

What type of impact do you believe the global cybersecurity skills shortage has had on your organization? (Percent of respondents, N=215, multiple responses accepted)



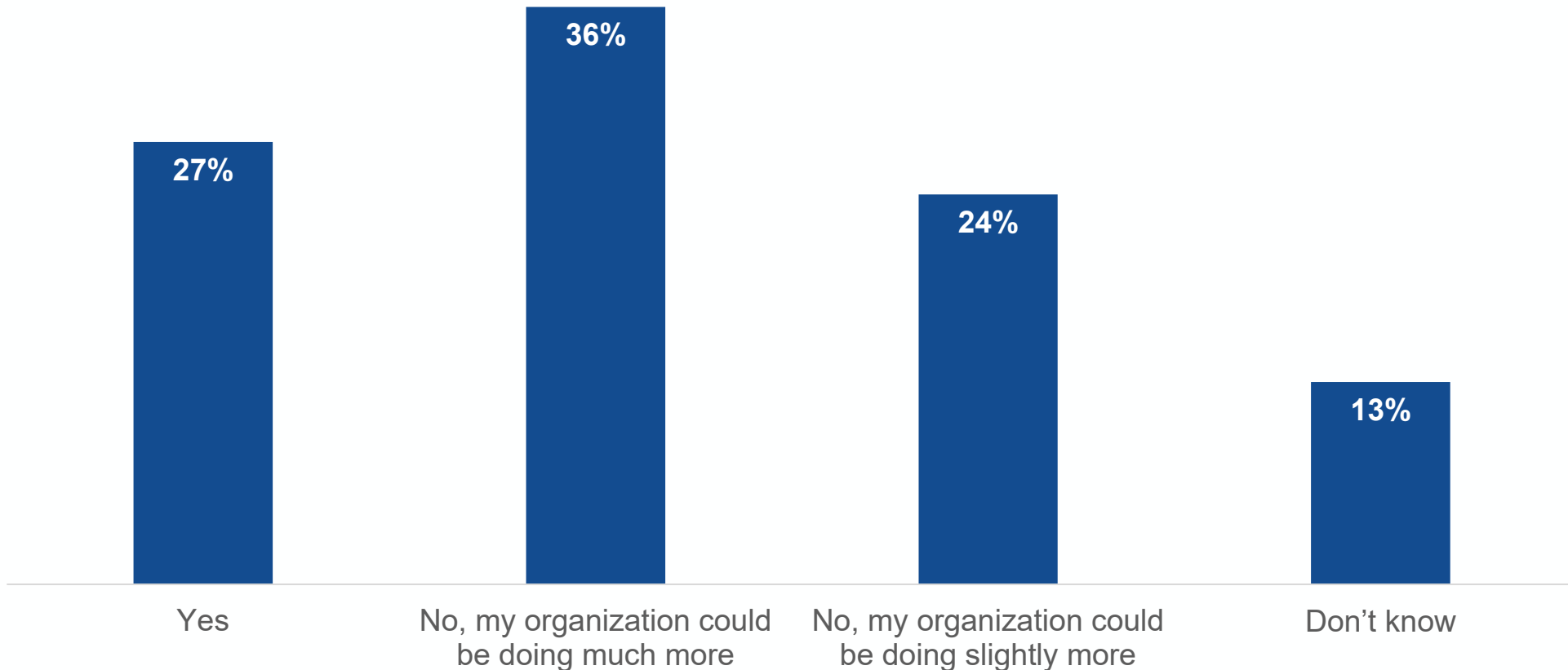
Most Significant Areas of Cybersecurity Skills Shortage

In which of the following areas, if any, would you say that your organization has the most significant shortage of cybersecurity skills? (Percent of respondents, N=215, three responses accepted)



Majority of Security Professionals Believe Their Organizations Could Do More to Mitigate Cybersecurity Skills Shortage

Do you believe your organization is taking the necessary actions to address the impact of the cybersecurity skills shortage? (Percent of respondents, N=215)



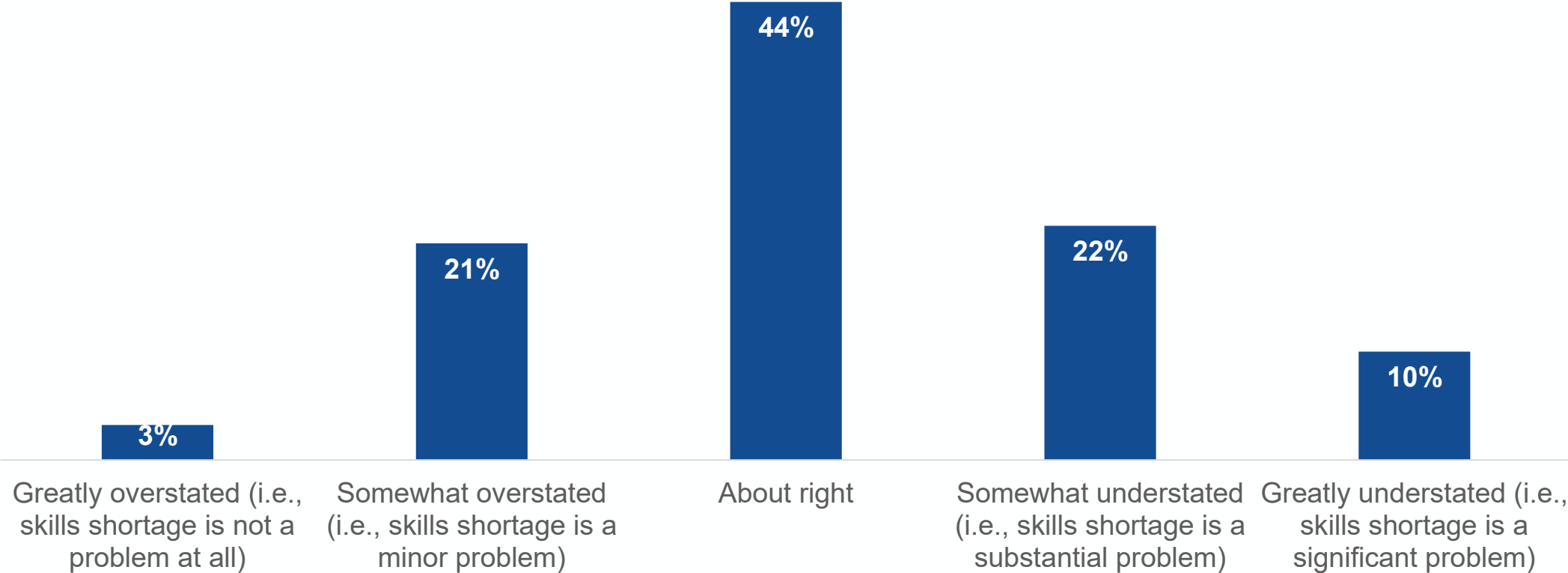
Addressing the Impact of the Cybersecurity Skills Shortage

What actions do you believe your organization could take to address the impact of the cybersecurity skills shortage? (Percent of respondents, N=129, multiple responses accepted)



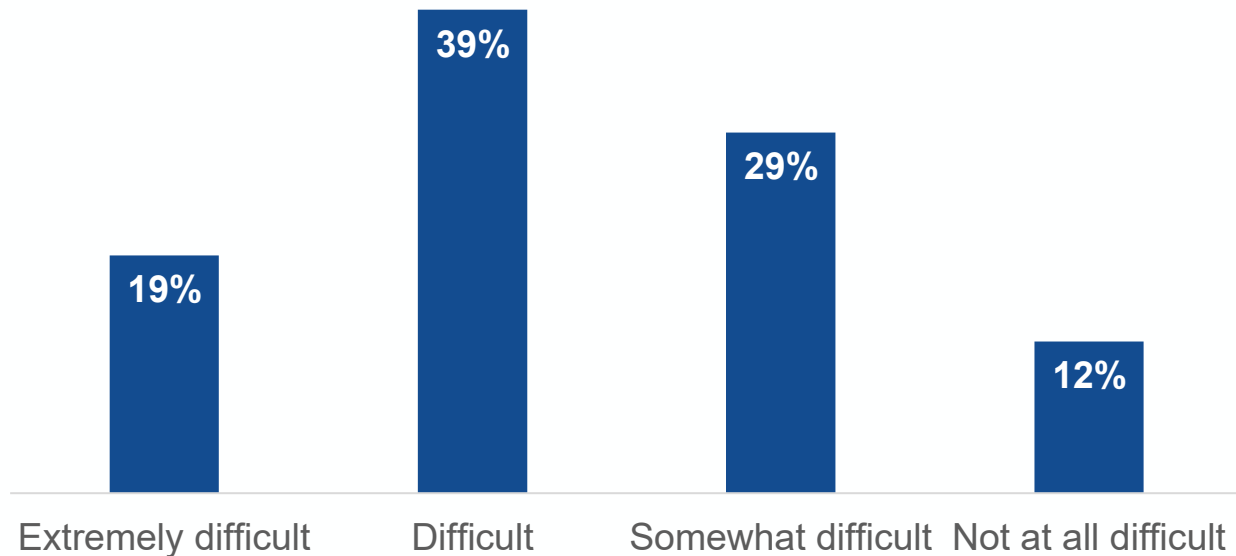
Nearly One-third of Security Pros Believe the Cybersecurity Skills Shortage Is Understated

Regardless of what is happening at your organization, in your opinion, which of the following statements about the industry discussions regarding the cybersecurity skills shortage is most accurate? (Percent of respondents, N=301)

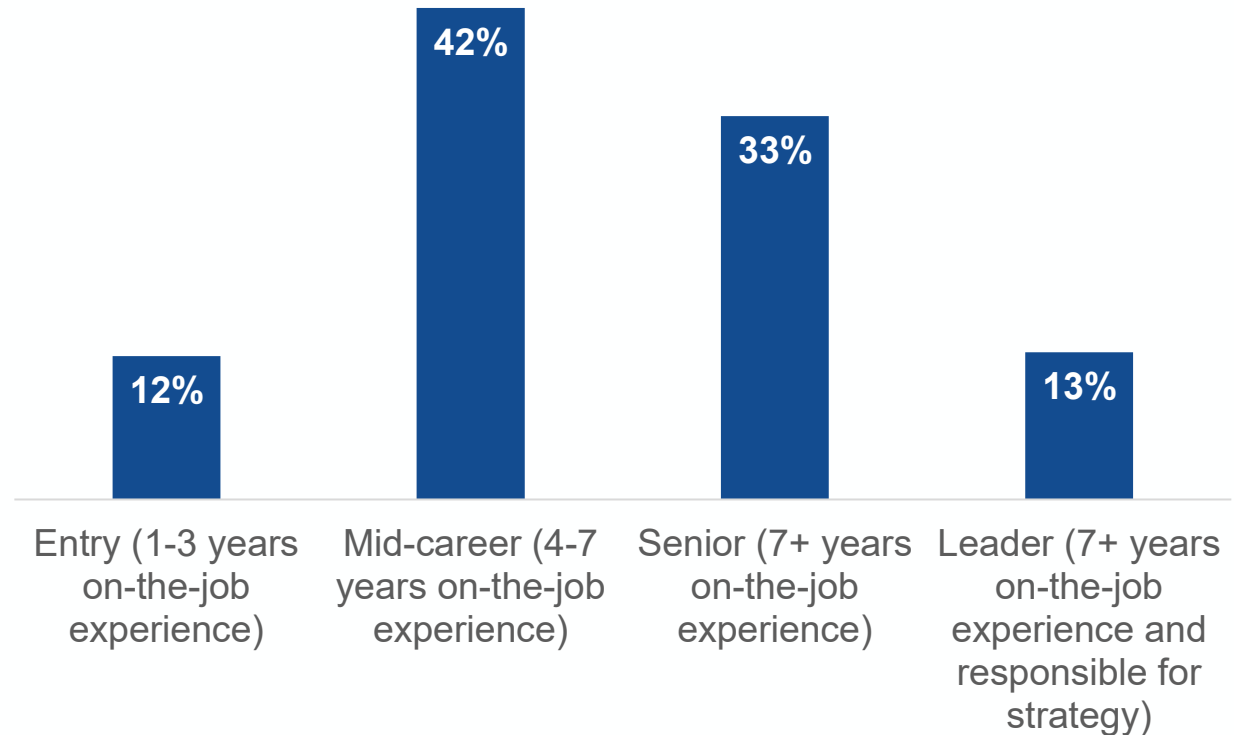


Challenges Recruiting Mid-career Cybersecurity Professionals

How difficult is it for your organization to recruit and hire cybersecurity professionals? (Percent of respondents, N=301)

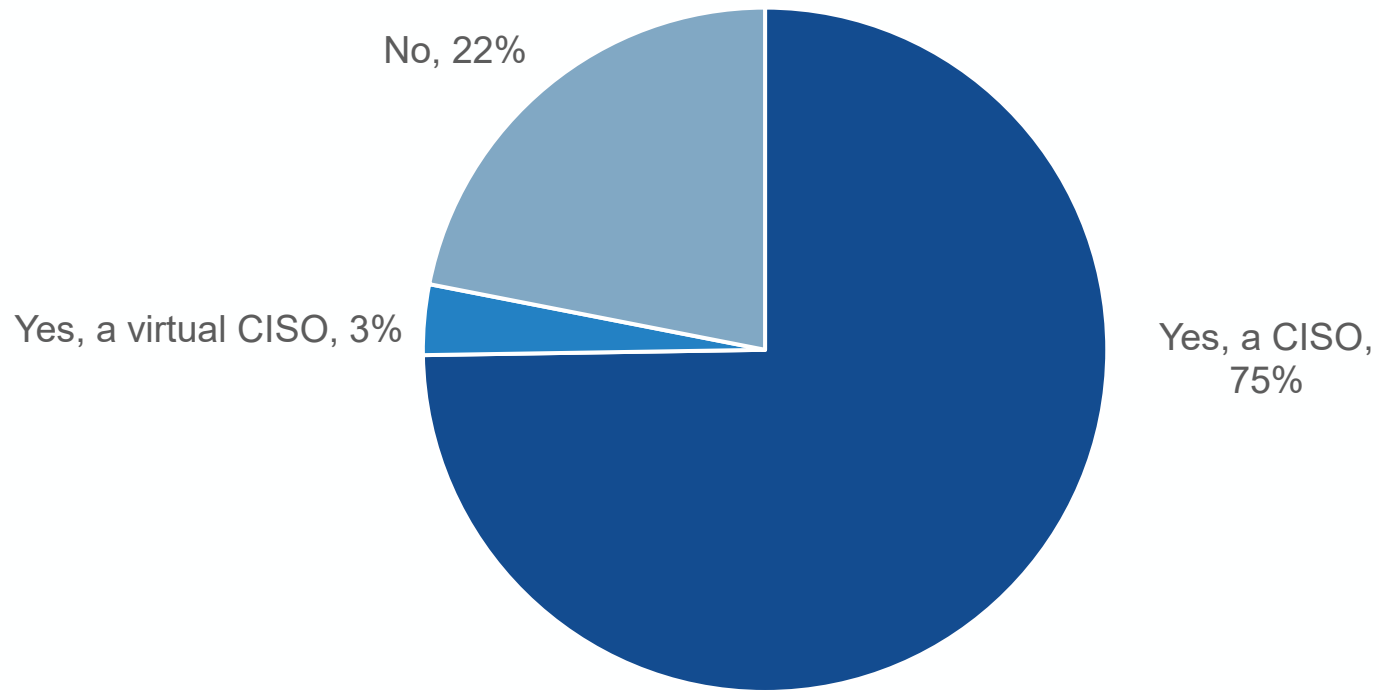


Based on amount of experience, which group of cybersecurity professionals has been most challenging for your organization in terms of recruiting and hiring? (Percent of respondents, N=301)



Cybersecurity Leadership

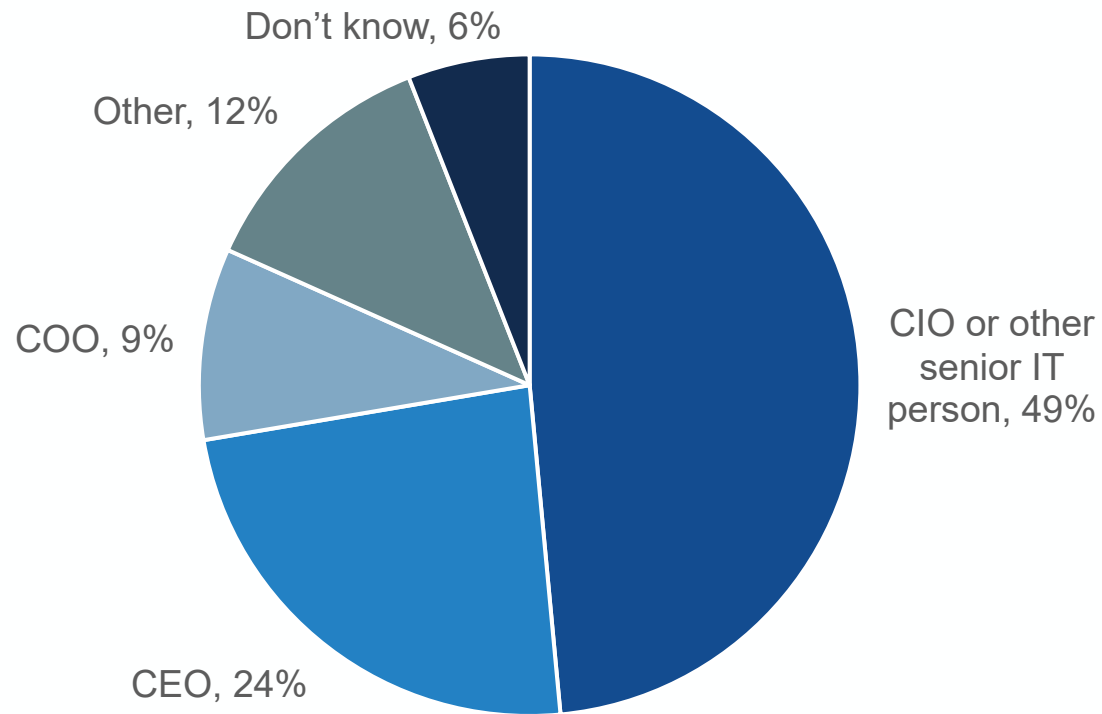
Does your organization have a chief information security officer (CISO) (or similar position) in place today? (Percent of respondents, N=301)



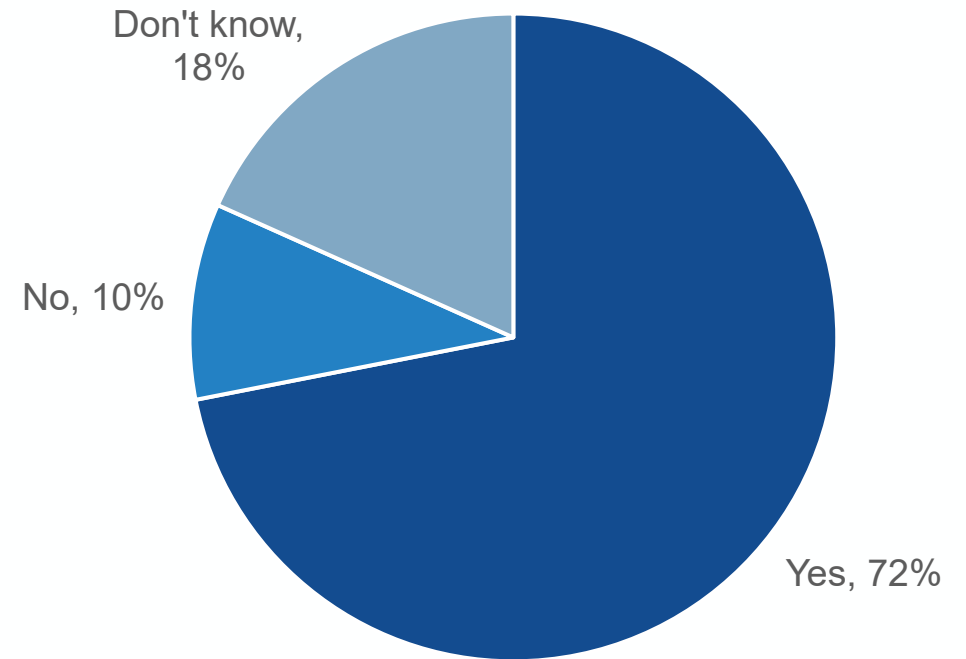
Vast Majority of Organizations Report Having a CISO

CISOs Commonly Report to CIOs and Interact with BoD

Which of the following best represents to whom the CISO reports? (Percent of respondents, N=235)

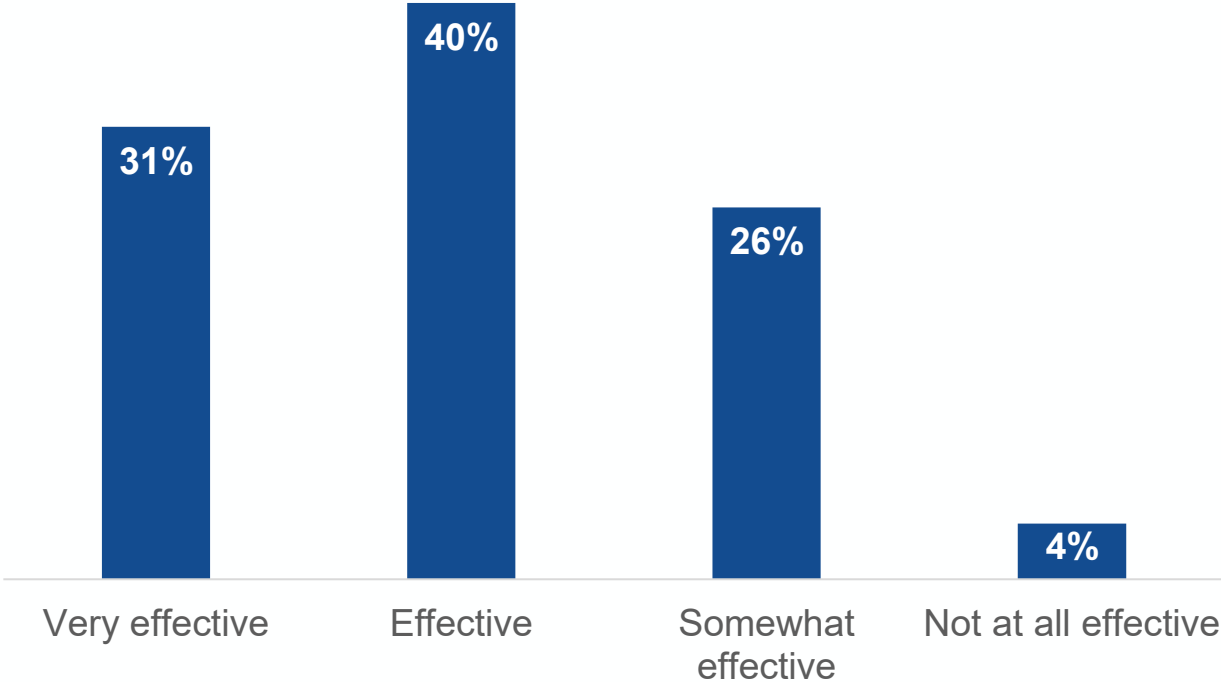


Does your organization's CISO actively interact with executive management and the board of directors (or similar oversight group)? (Percent of respondents, N=235)

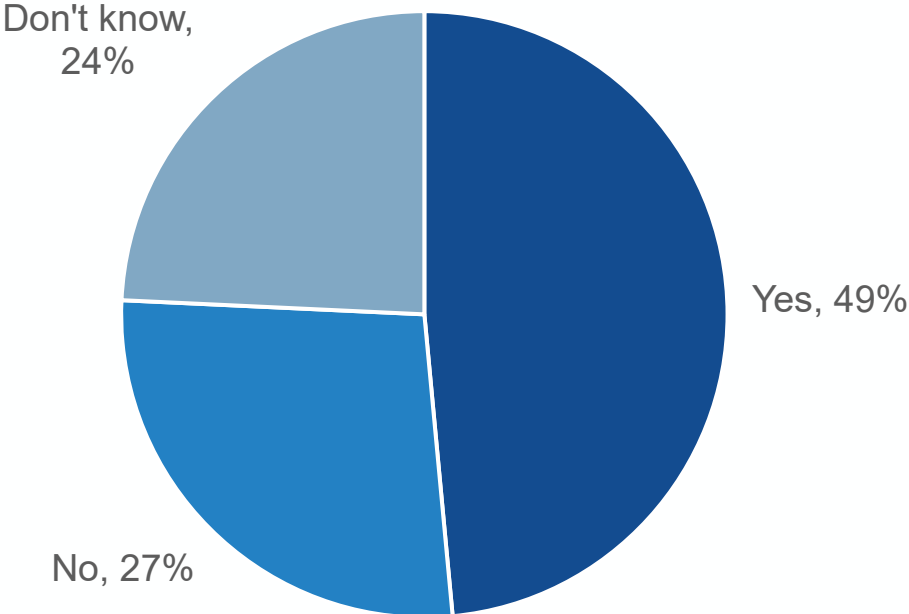


Most Believe Their CISOs Are Effective But Could Do a Better Job Interfacing With Executives and BoD

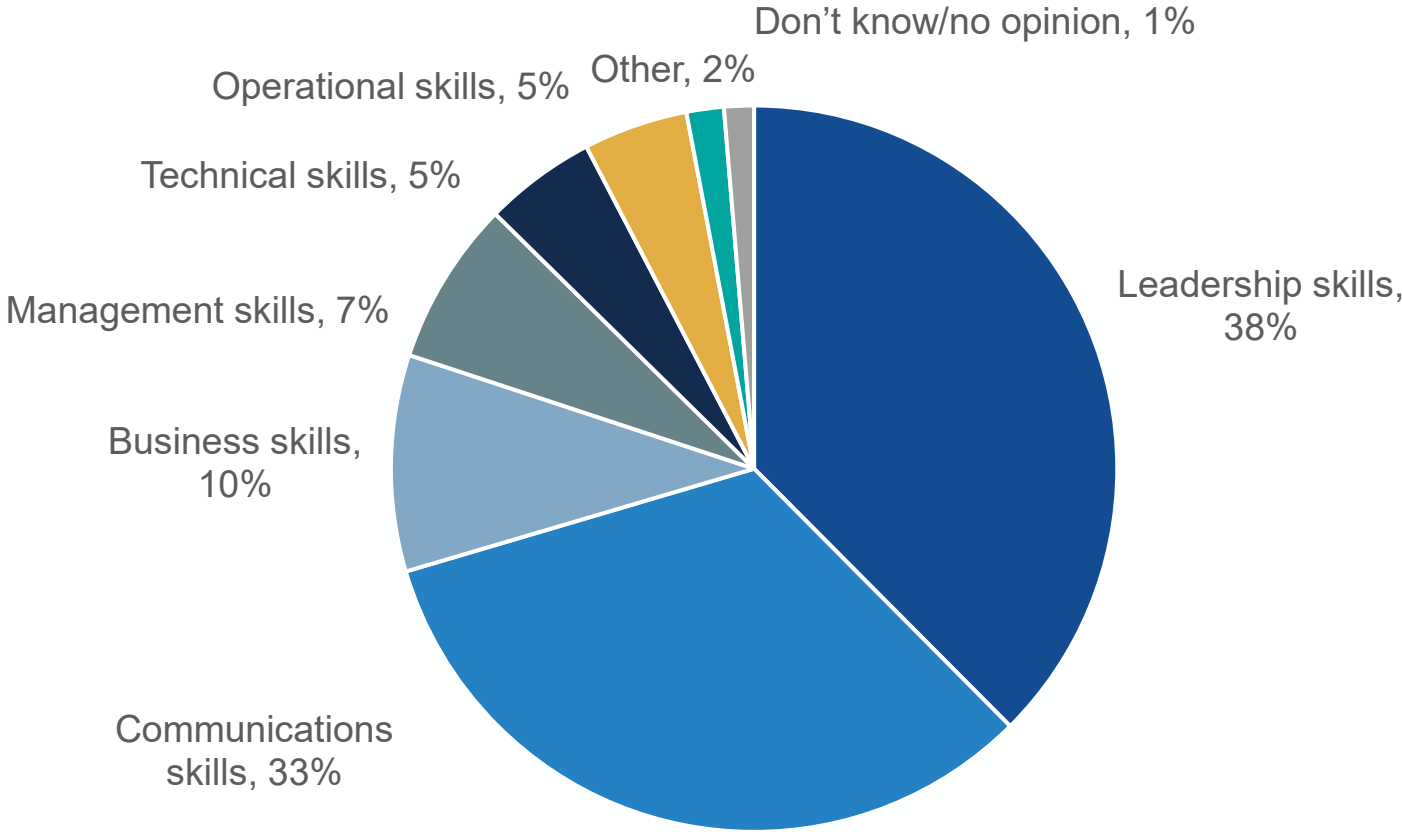
In your opinion, how effective has your CISO been?
(Percent of respondents, N=235)



Do you think your organization's CISO's level of participation with executive management and the board of directors is adequate?
(Percent of respondents, N=235)



In your opinion, which of the following is the most important quality of a successful CISO? (Percent of respondents, N=301)



Leadership and Communications Skills Are Important Qualities for Successful CISOs

Reasons CISOs Change Jobs

In your opinion, which of the following factors are likeliest to cause CISOs to leave one organization for another? (Percent of respondents, N=301, three responses accepted)

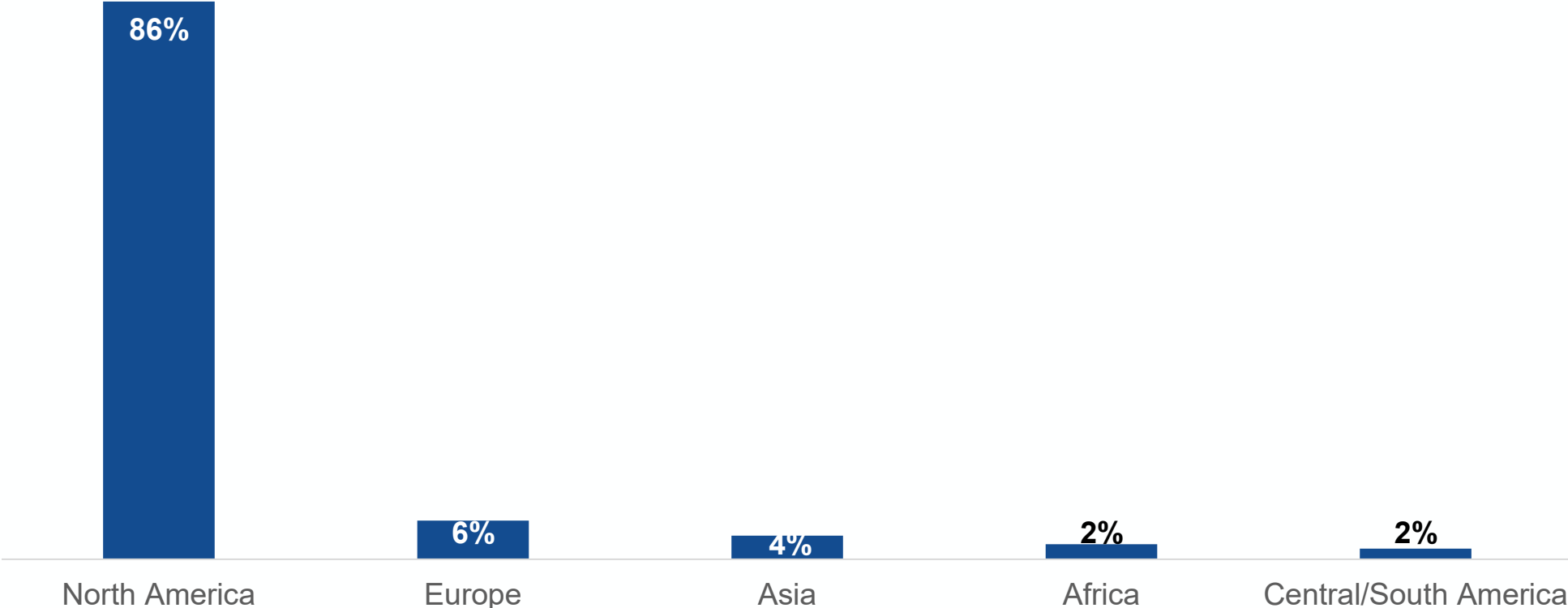


Respondent Demographics/ Firmographics



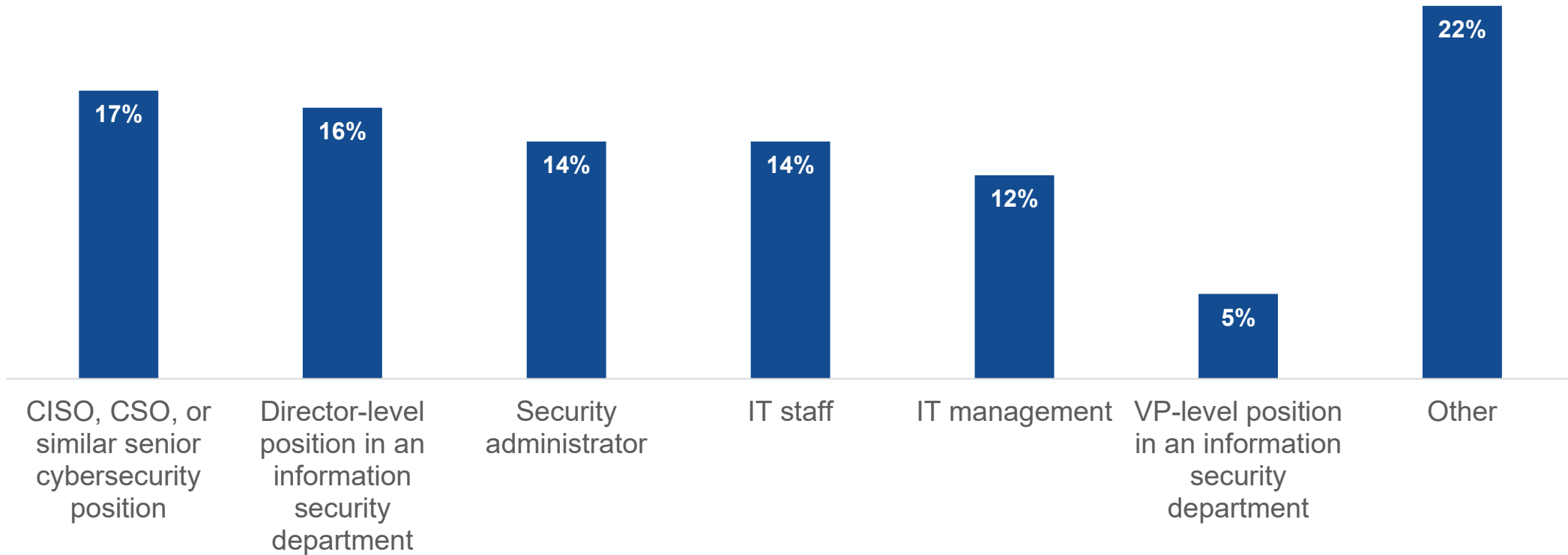
Respondents by Region

In what region are you located? (Percent of respondents, N=301)

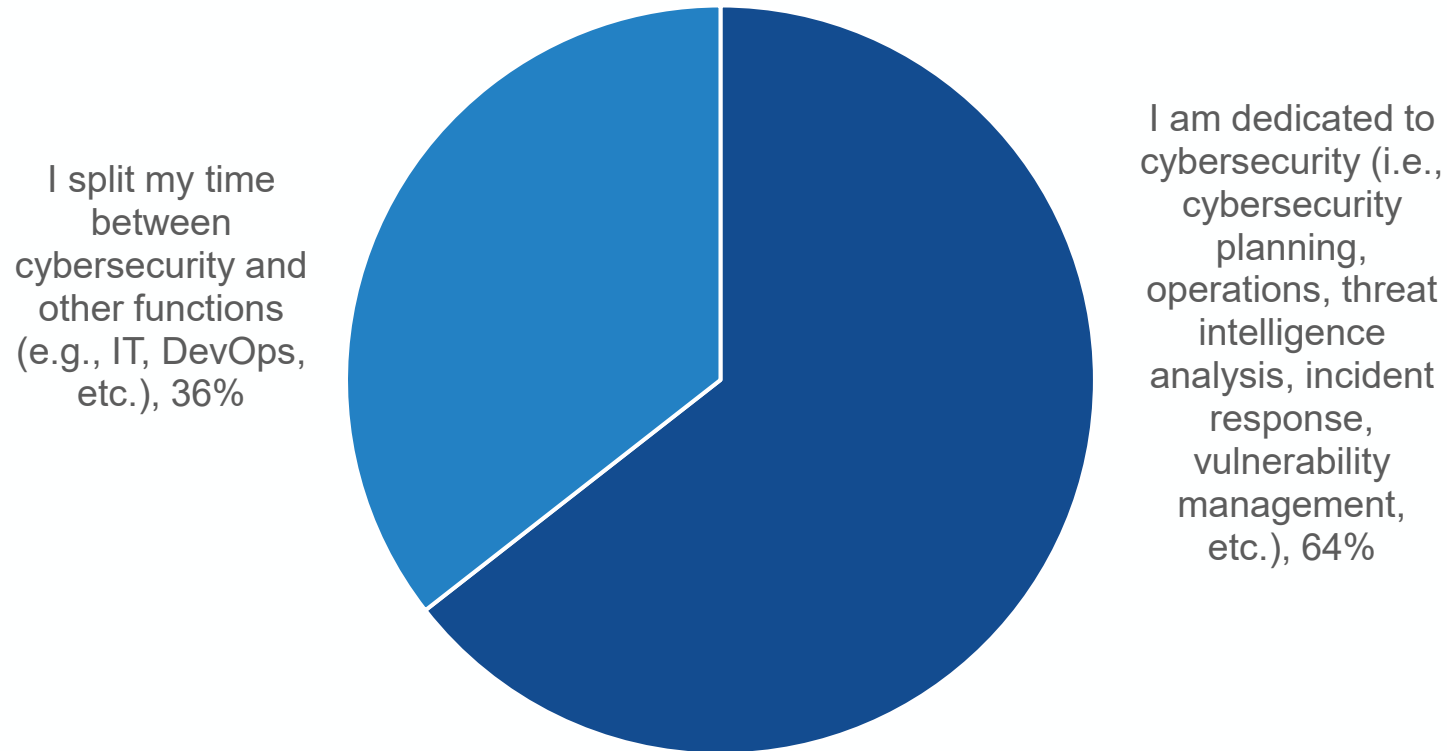


Respondents by Current Position

Which of the following best describes your current position within your organization? (Percent of respondents, N=301)



Which of the following best describes your overall job responsibilities? (Percent of respondents, N=301)



Respondents by Job Responsibilities

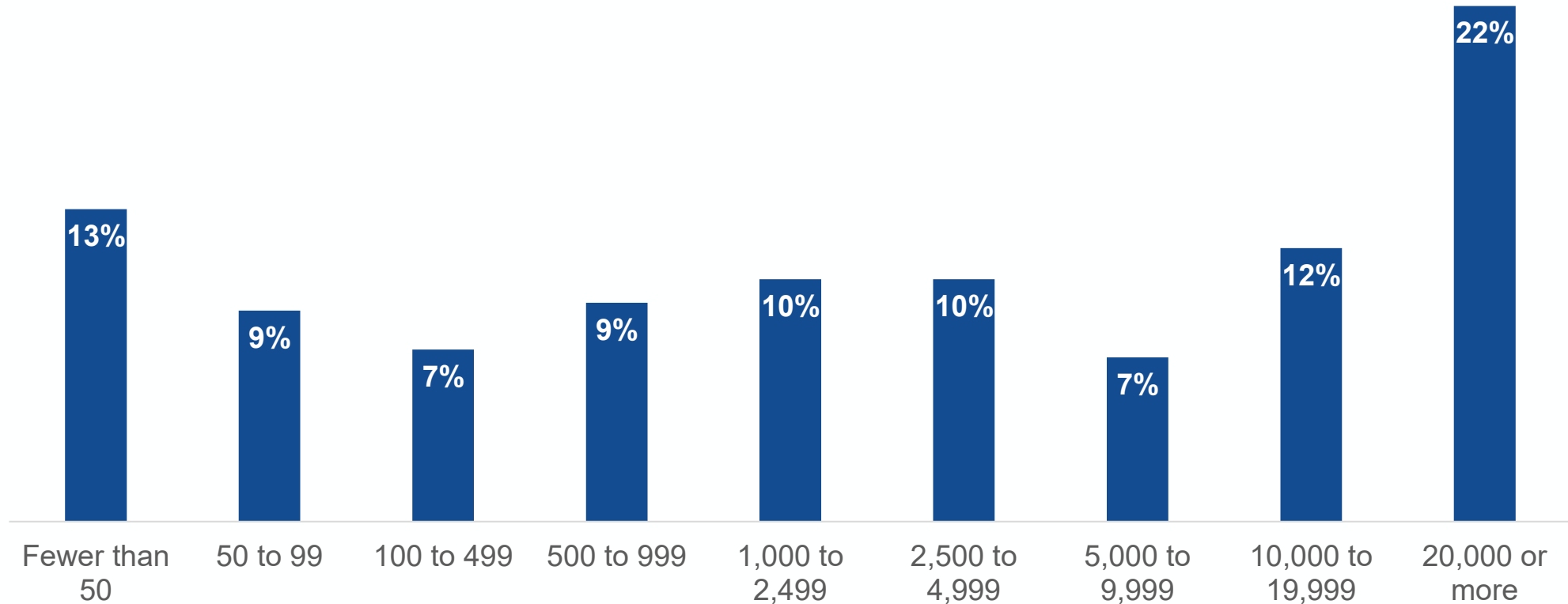
Respondents by Areas of Cybersecurity Responsibility

Which of the following best (i.e., most closely) describes your primary cybersecurity responsibilities within your organization? (Percent of respondents, N=301, three responses accepted)



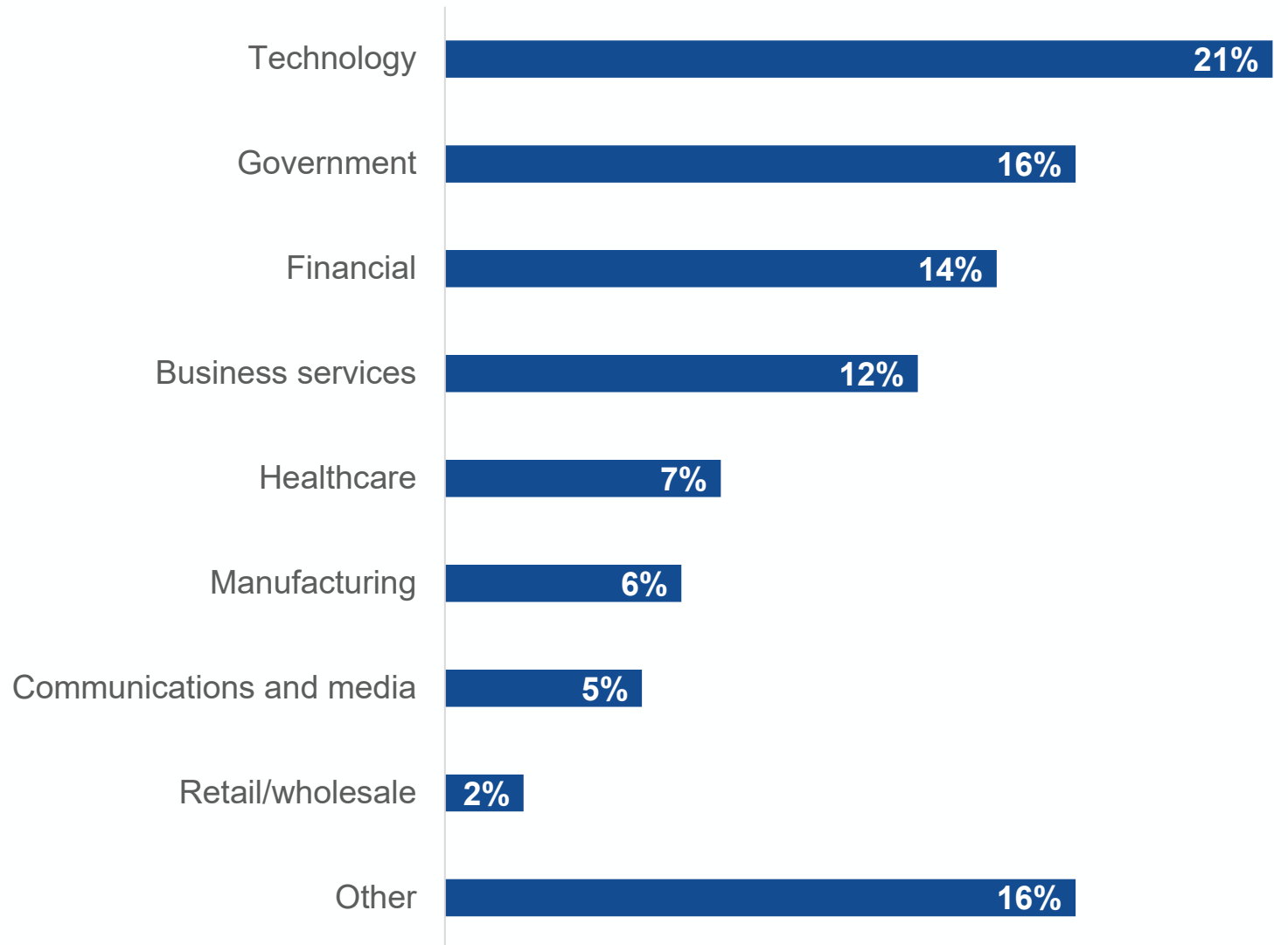
Respondents by Number of Employees

How many total employees does your organization have worldwide? (Percent of respondents, N=301)



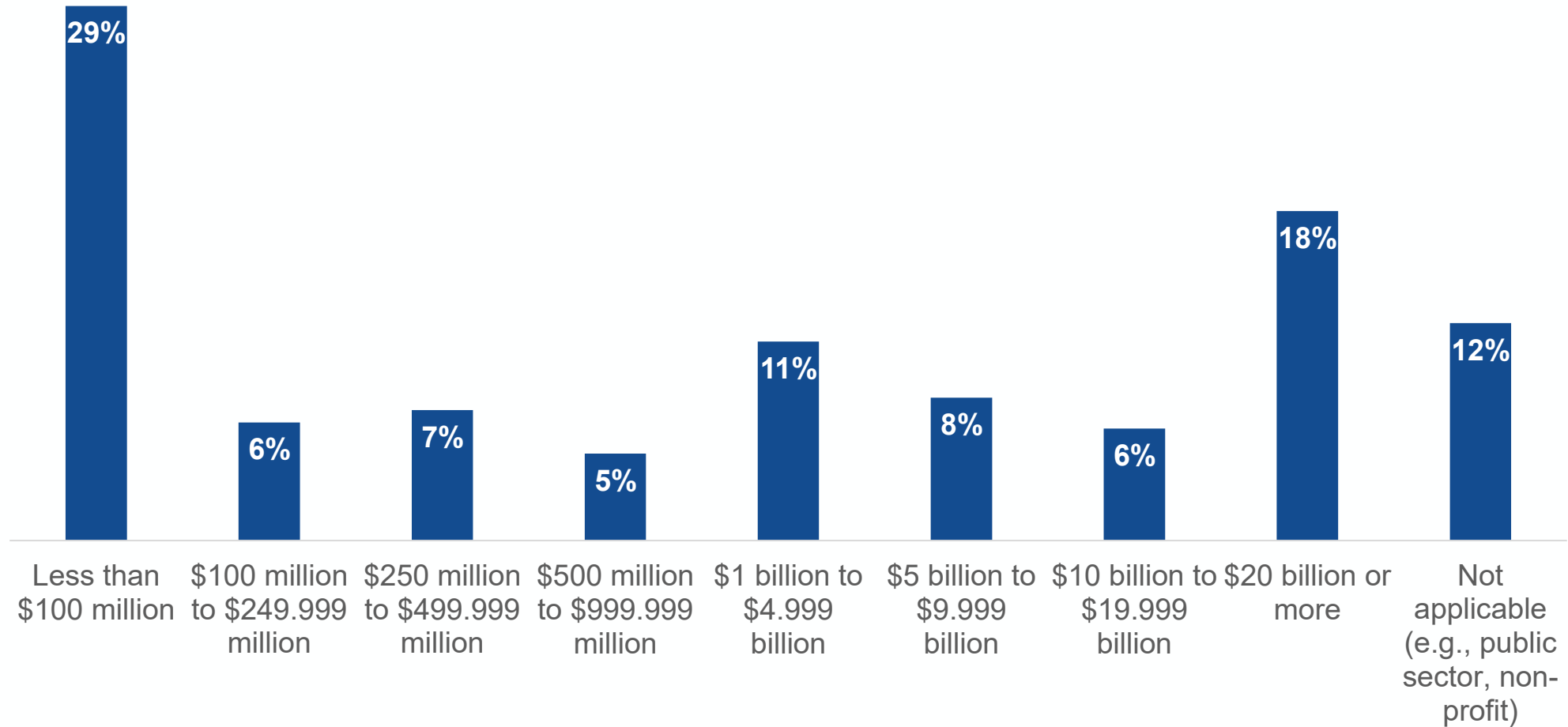
Respondents by Industry

What is your organization's primary industry? (Percent of respondents, N=301)



Respondents by Annual Revenue

What is your organization's total annual revenue (\$US)? (Percent of respondents, N=301)





For questions about this data set, please email research@esg-global.com

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