



MIS|TI™ PRESENTS

InfoSecWorld
Conference & Expo 2018

ESG/ISSA CYBERSECURITY RESEARCH CURRENT STATE OF THE PROFESSIONAL

*Candy Alexander, CISSP CISM
ISSA International Board of Directors
@NH_Candy*

TOPICS

- Overview
- The professional's perspective
- The organizations we work for
- Key messages and “take aways”

OVERVIEW

- Background
 - Joint effort between ESG (Enterprise Strategy Group) and the ISSA
 - Year 2 of research survey
 - Conducted in late 2017
- Objectives
 - Better understand staffing/skills shortage
 - Identify impacts to business, IT, and the threat landscape
- Methodology
 - Global quantitative research survey of 343 cybersecurity professionals

ESG/ISSA SURVEY TEAM



Jon Oltsik
Senior Principal Analyst

Jennifer Gahm, Project Manager



Candy Alexander, CISSP CISM,

Leslie Kesselring, PR Consultant

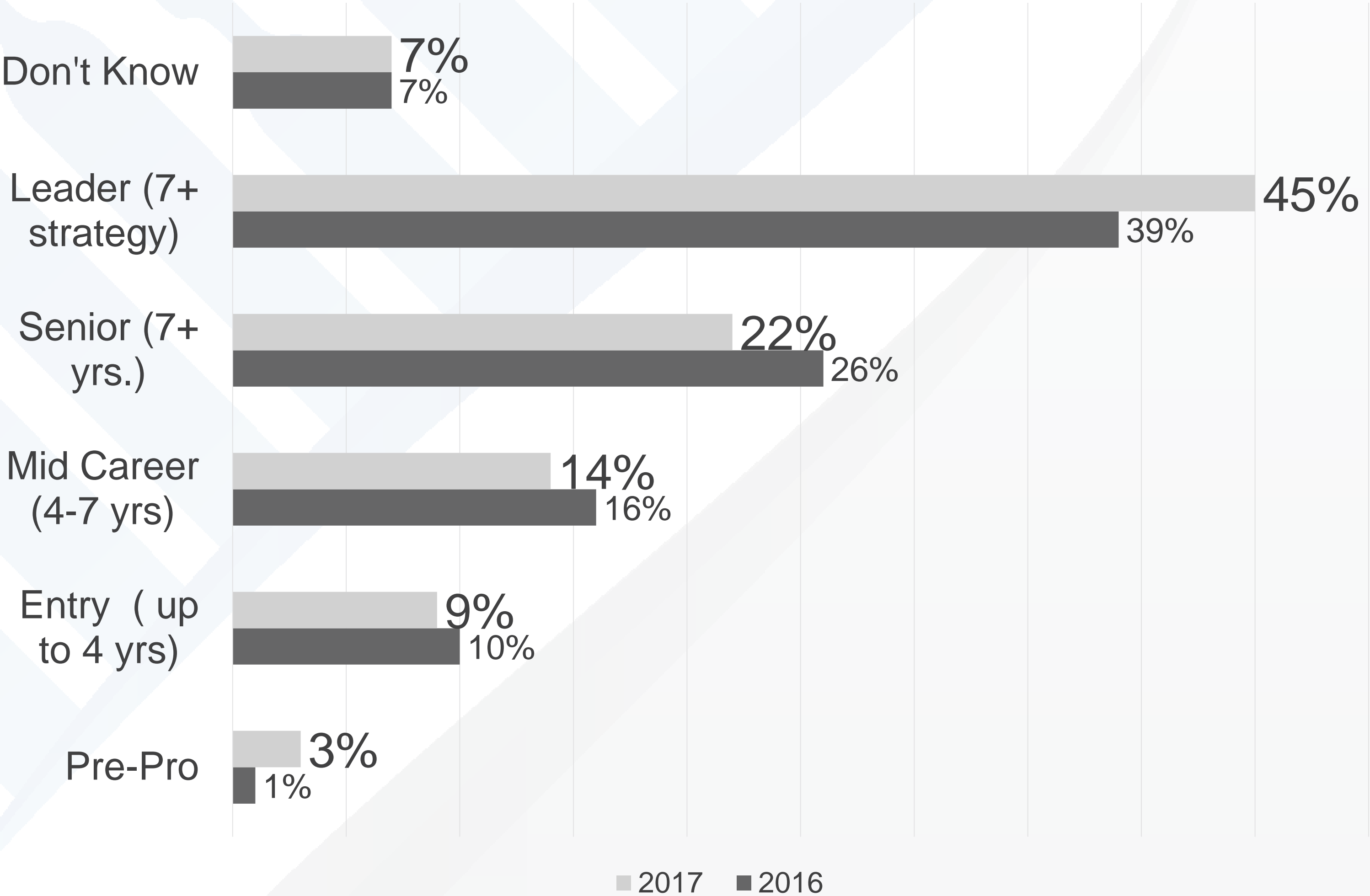
Monique dela Cruz, Marketing Manager

THE PROFESSIONAL

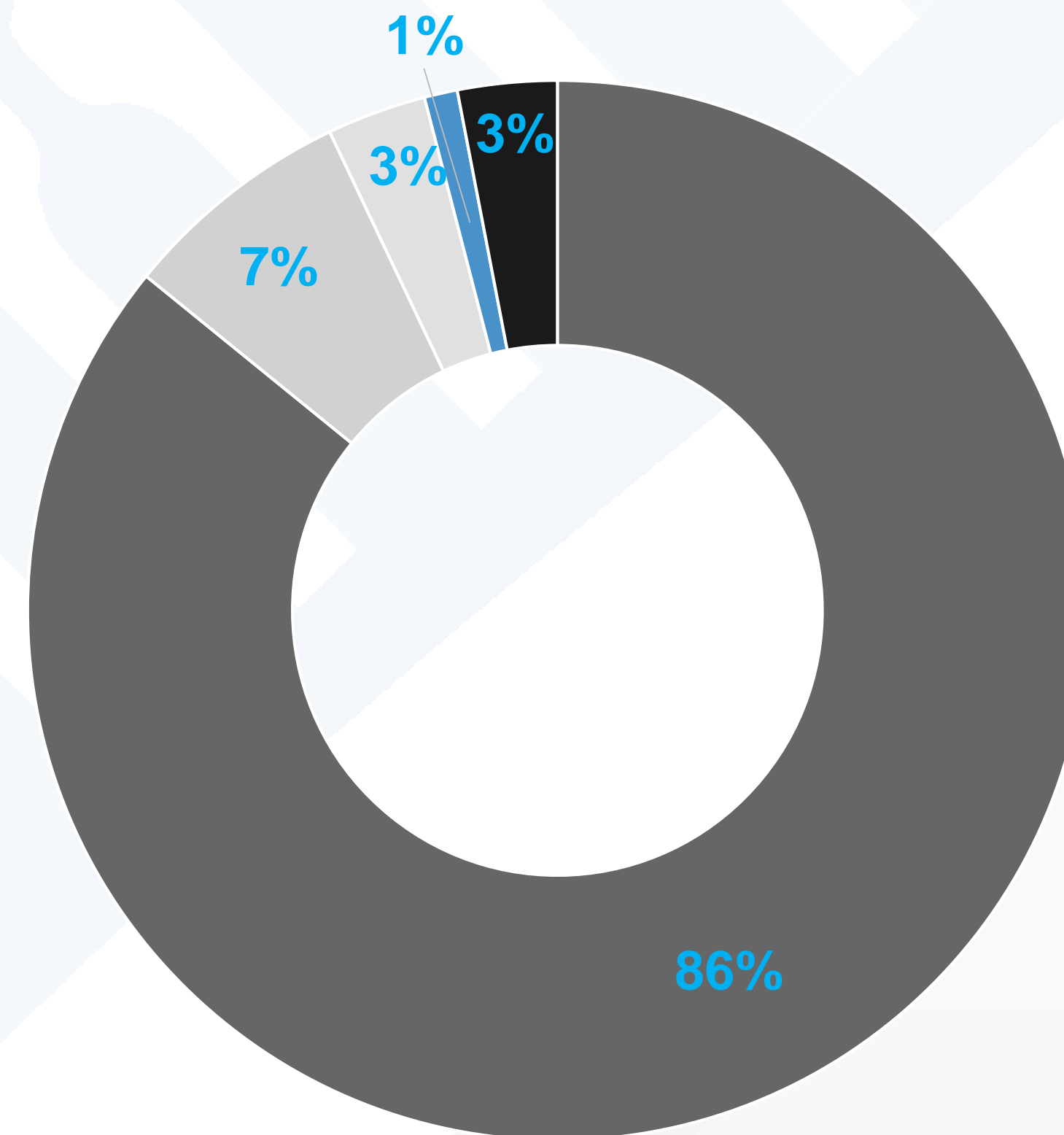


WHO RESPONDED?

What phase of the Cyber Security Career Lifecycle do you consider yourself?

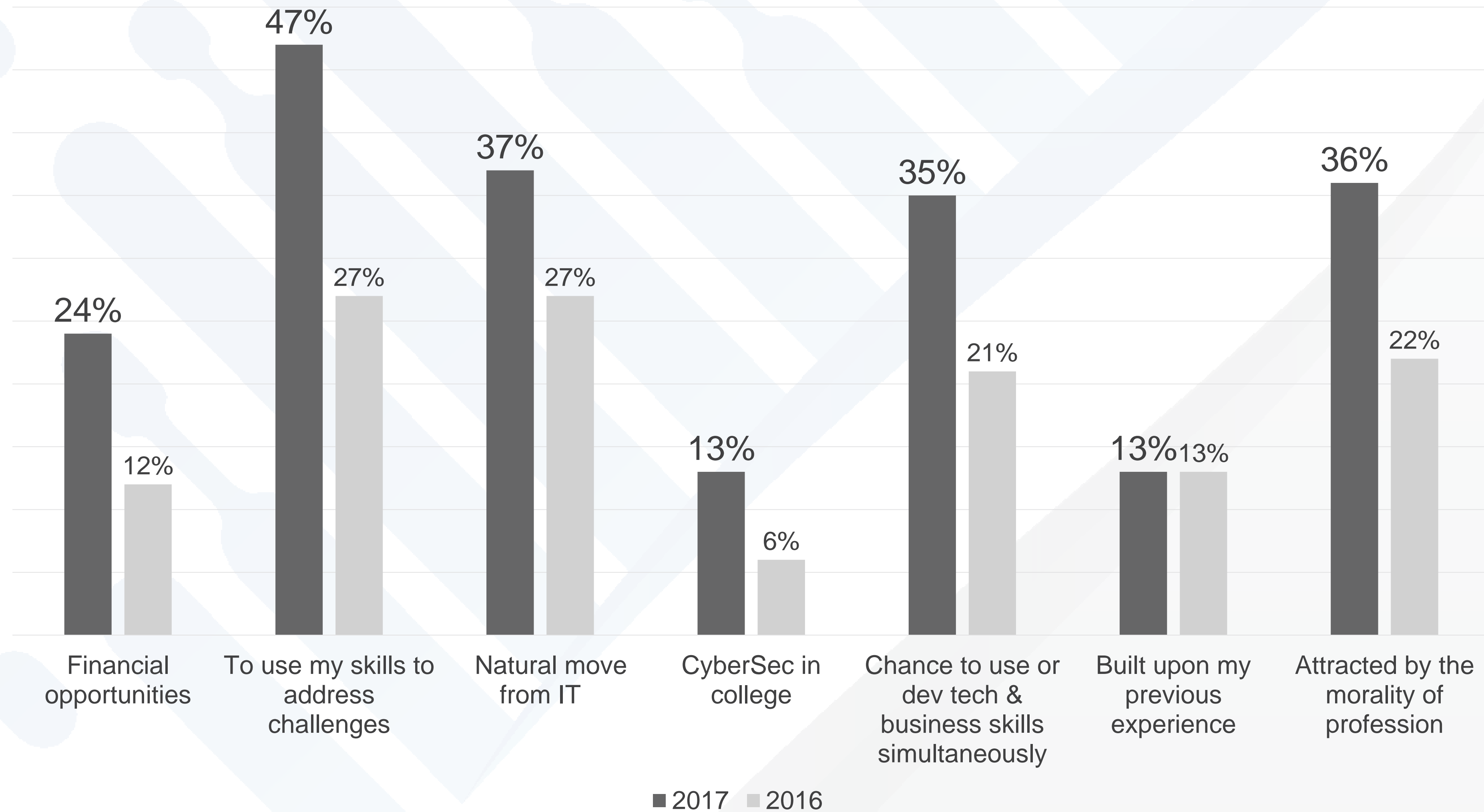


WHERE ARE YOU LOCATED?



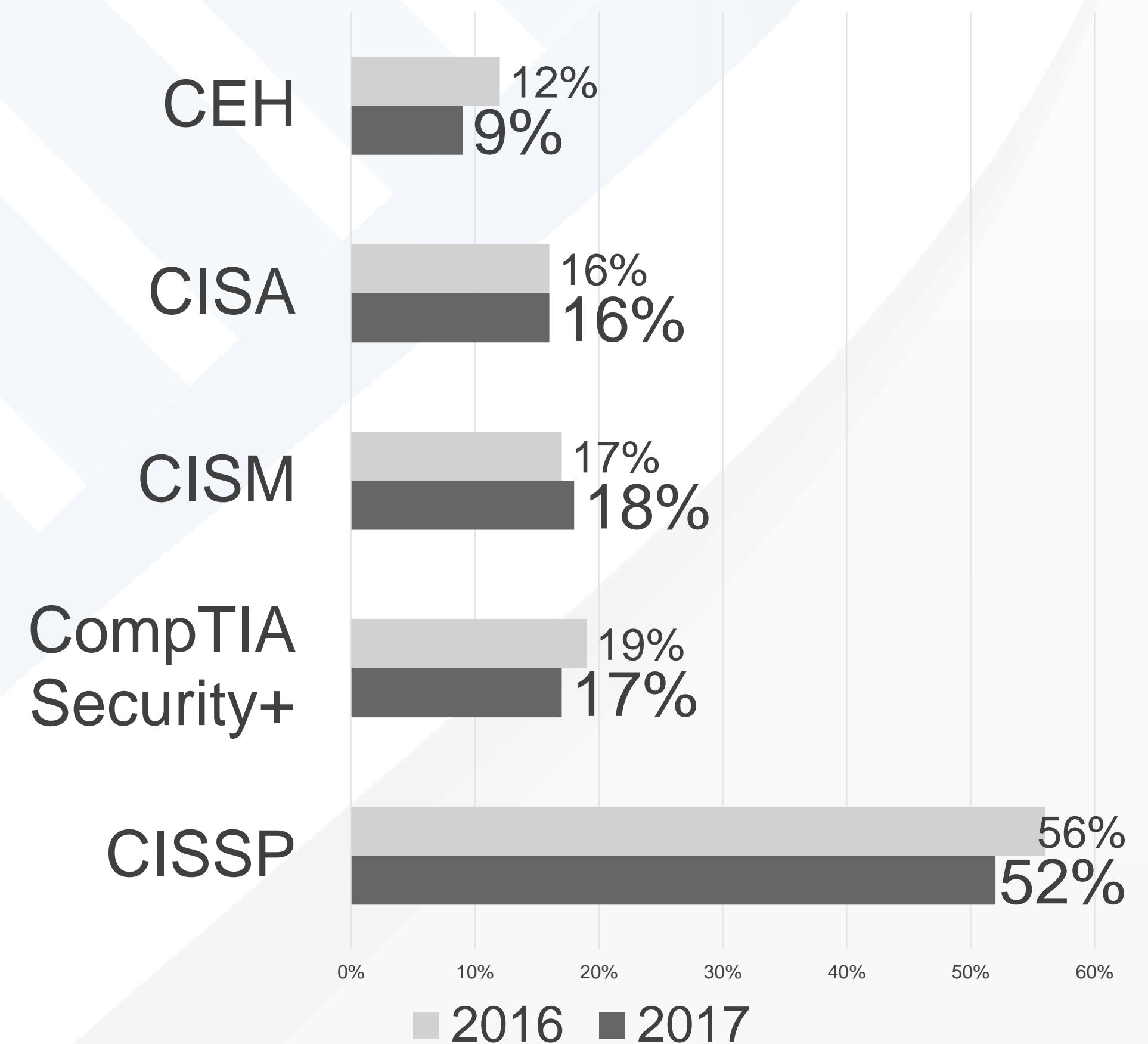
- North America (85%)
- Europe (7%)
- Central/South America (3%)
- Africa (1%)
- Asia (3%)

WHAT PROMPTED YOU TO BECOME A SECURITY PRO?



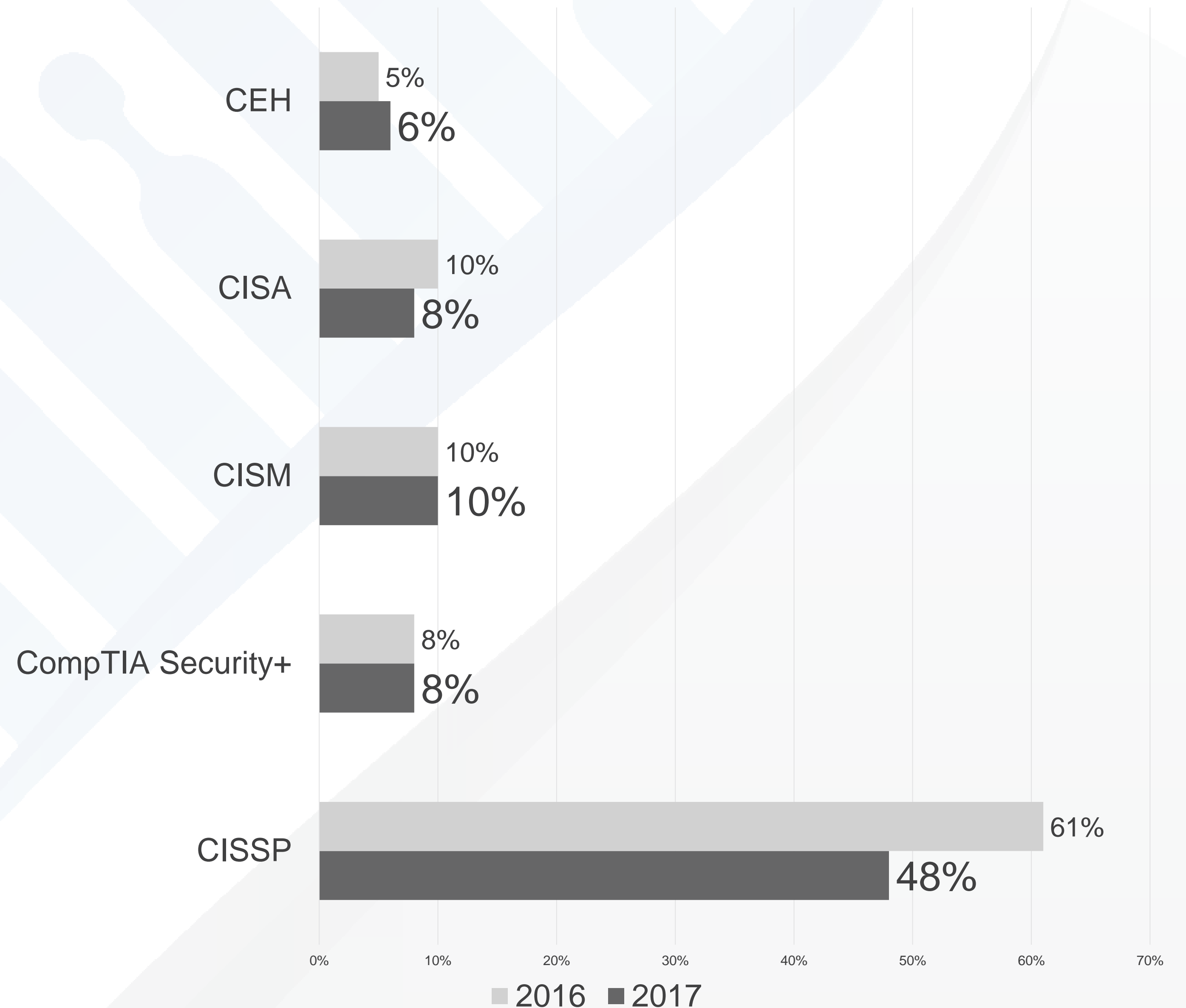
SECURITY CERTIFICATIONS

Which of the following security certifications have you achieved?



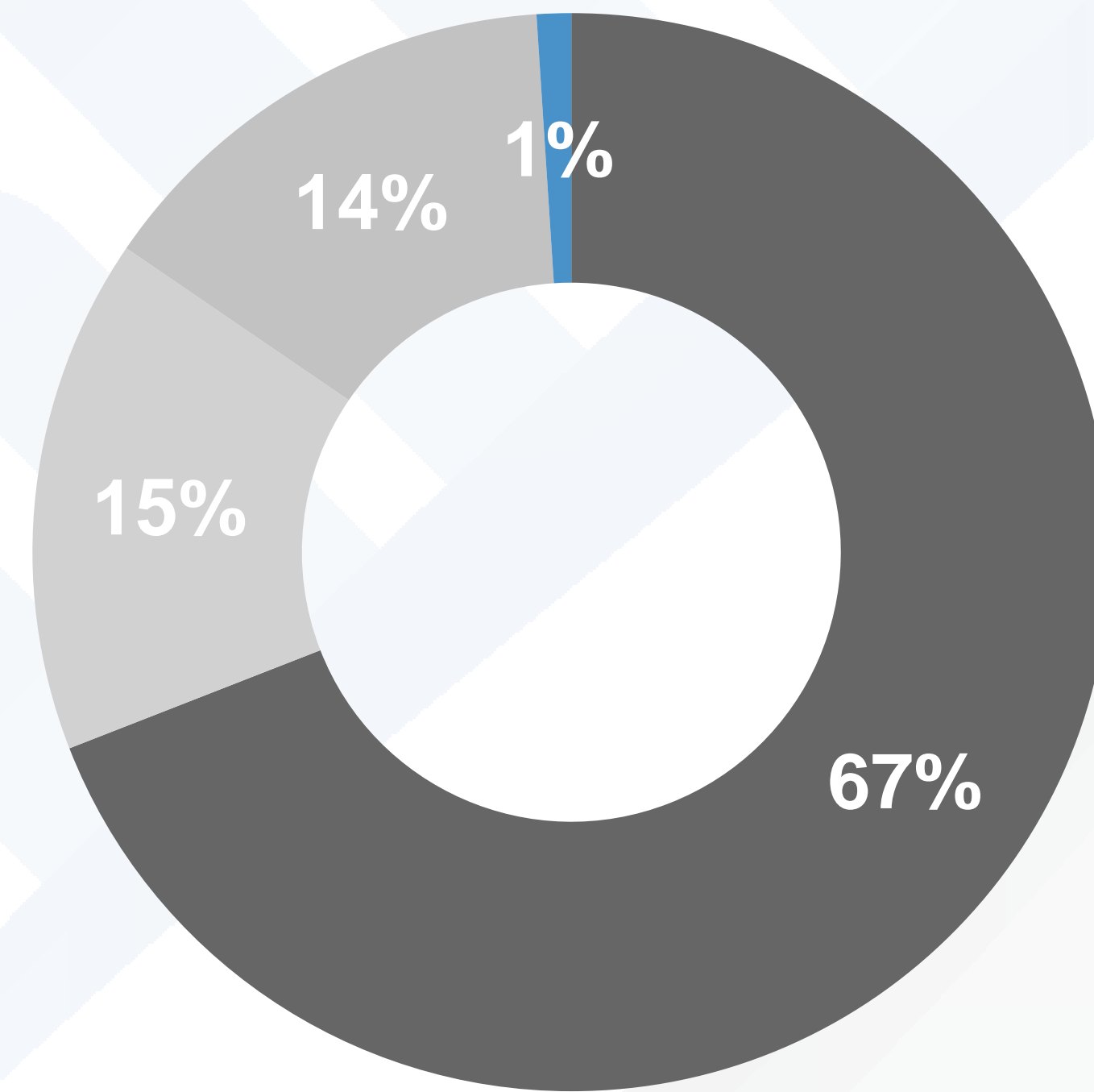
SECURITY CERTIFICATIONS PERCEIVED VALUE

Of those achieved, which are most important in getting a job?



LEARNING CHALLENGES

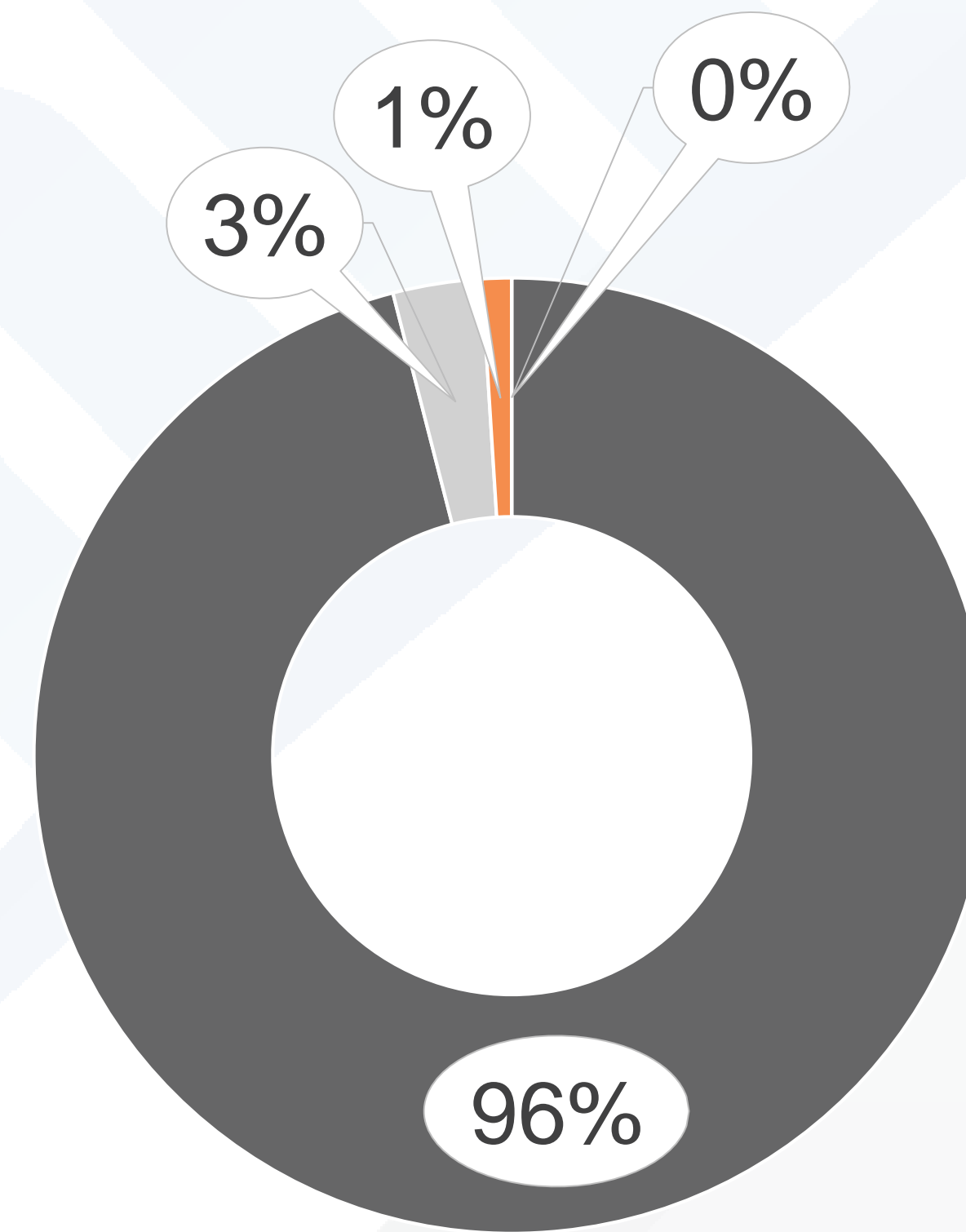
While I try to keep up on my skills, it is hard to do so given the demands of my job?



- Strongly Agree or Agree
- Neither Agree nor Disagree
- Stongly Disagreeeor Disagree
- Don't Know/No Opinion

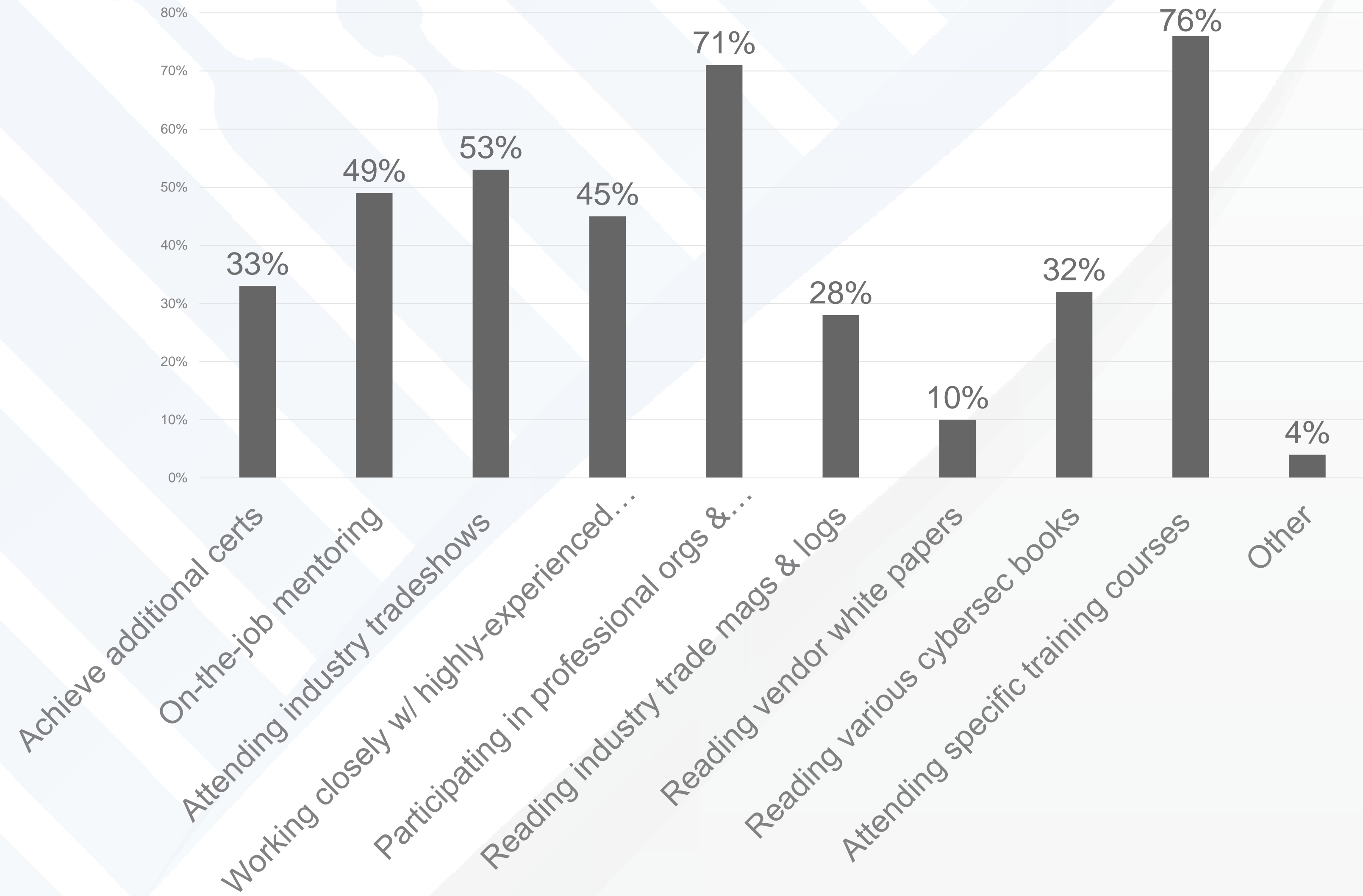
LEARNING CHALLENGES TIED TO ORGANIZATIONAL RISK

Cybersecurity professionals must keep up with their skills or the organization is at a significant disadvantage against today's cyber adversaries.

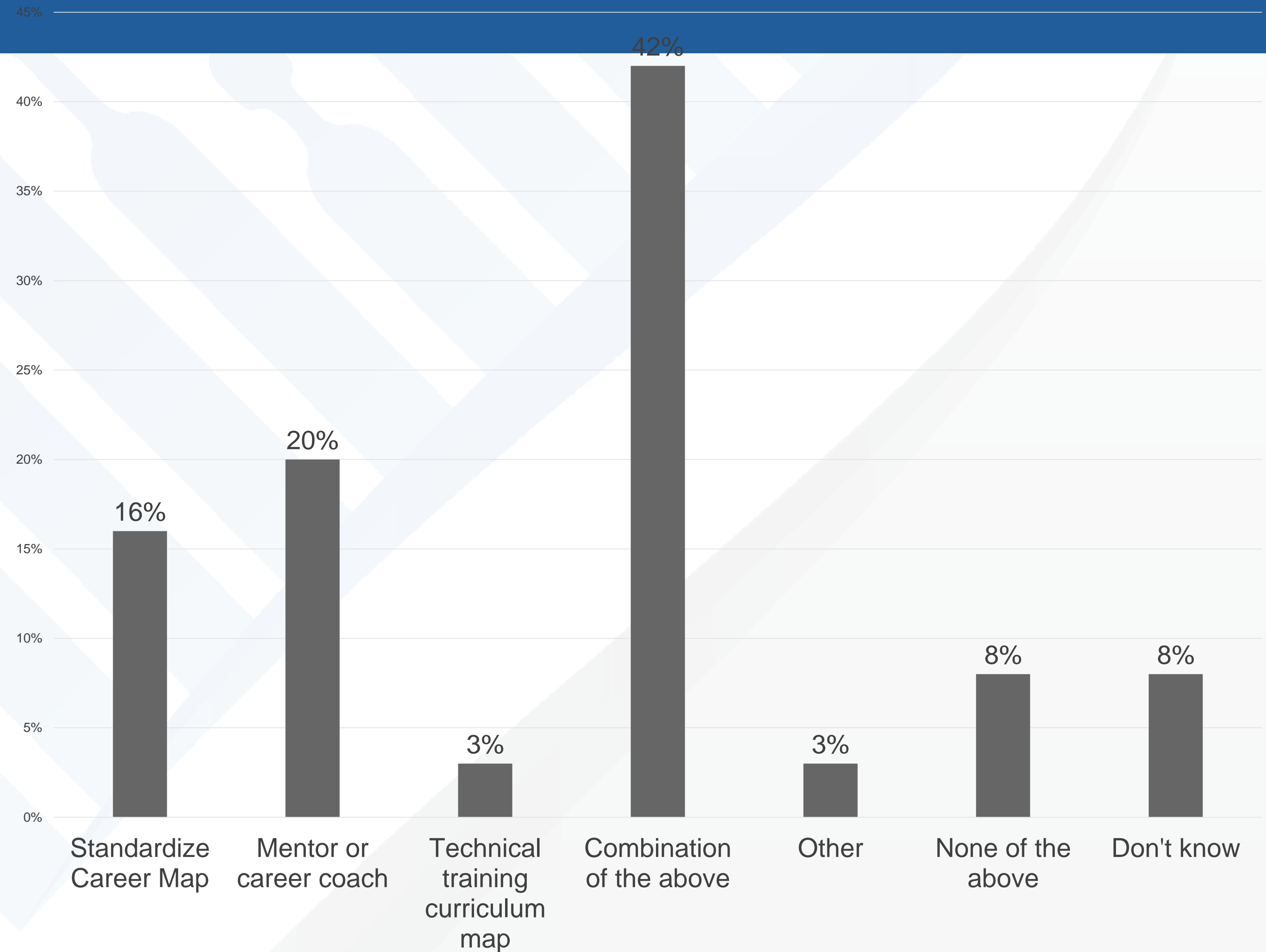


- Stongly Agree/Agree
- Neither Agree nor Disagree
- Strongly Disagree/Disagree
- Don't Know/No Opinion

**WHICH ARE
THE MOST
EFFECTIVE
METHODS OF
INCREASING
YOUR KSA?**

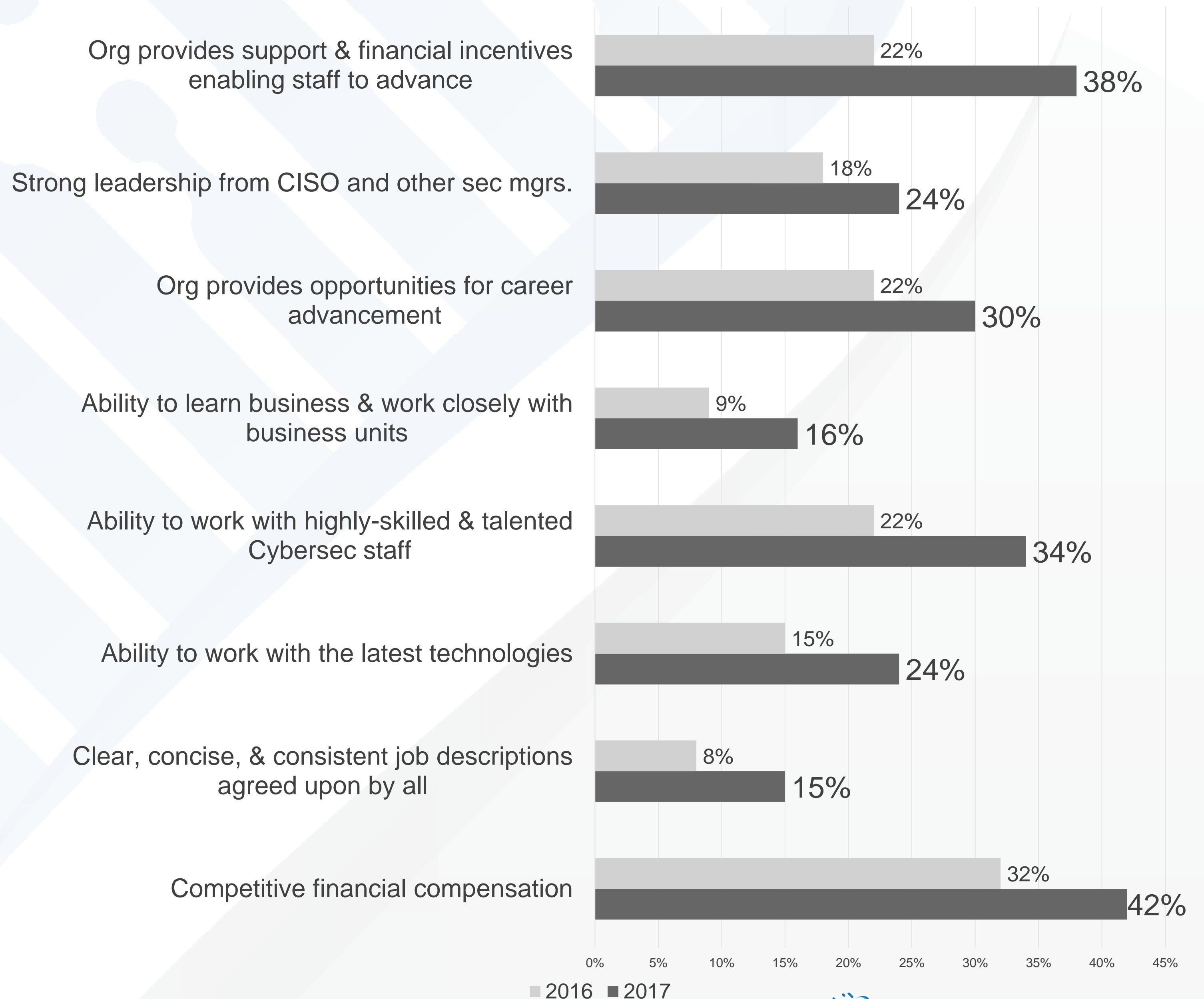


WHICH WOULD BE THE MOST HELPFUL IN GETTING TO THE NEXT LEVEL OF YOUR CAREER?



JOB SATISFACTION

Which are the biggest factors in determining job satisfaction?

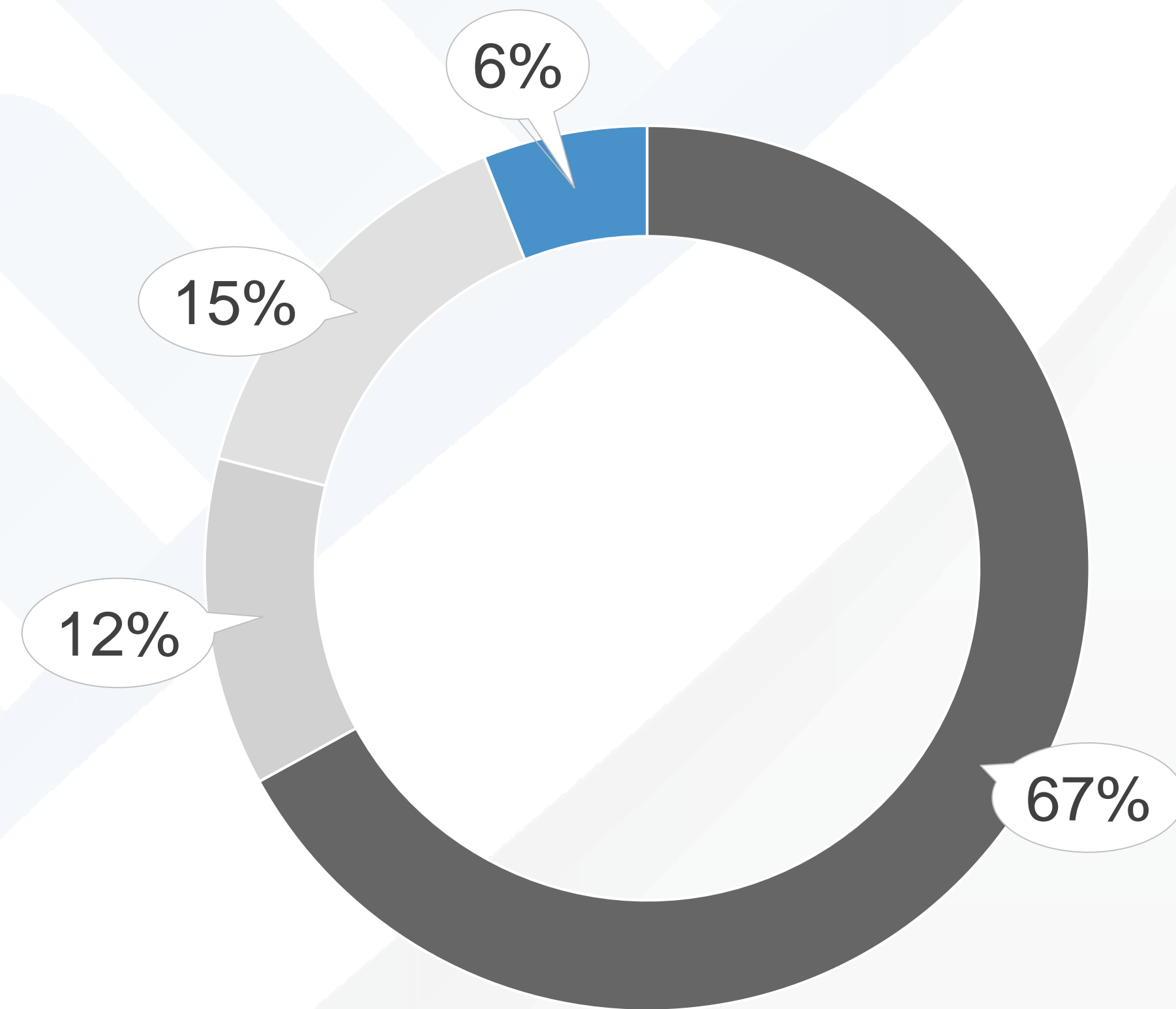


**THE
ORGANIZATIONS
WE WORK FOR...**



UNDERSTANDING THE ROLE

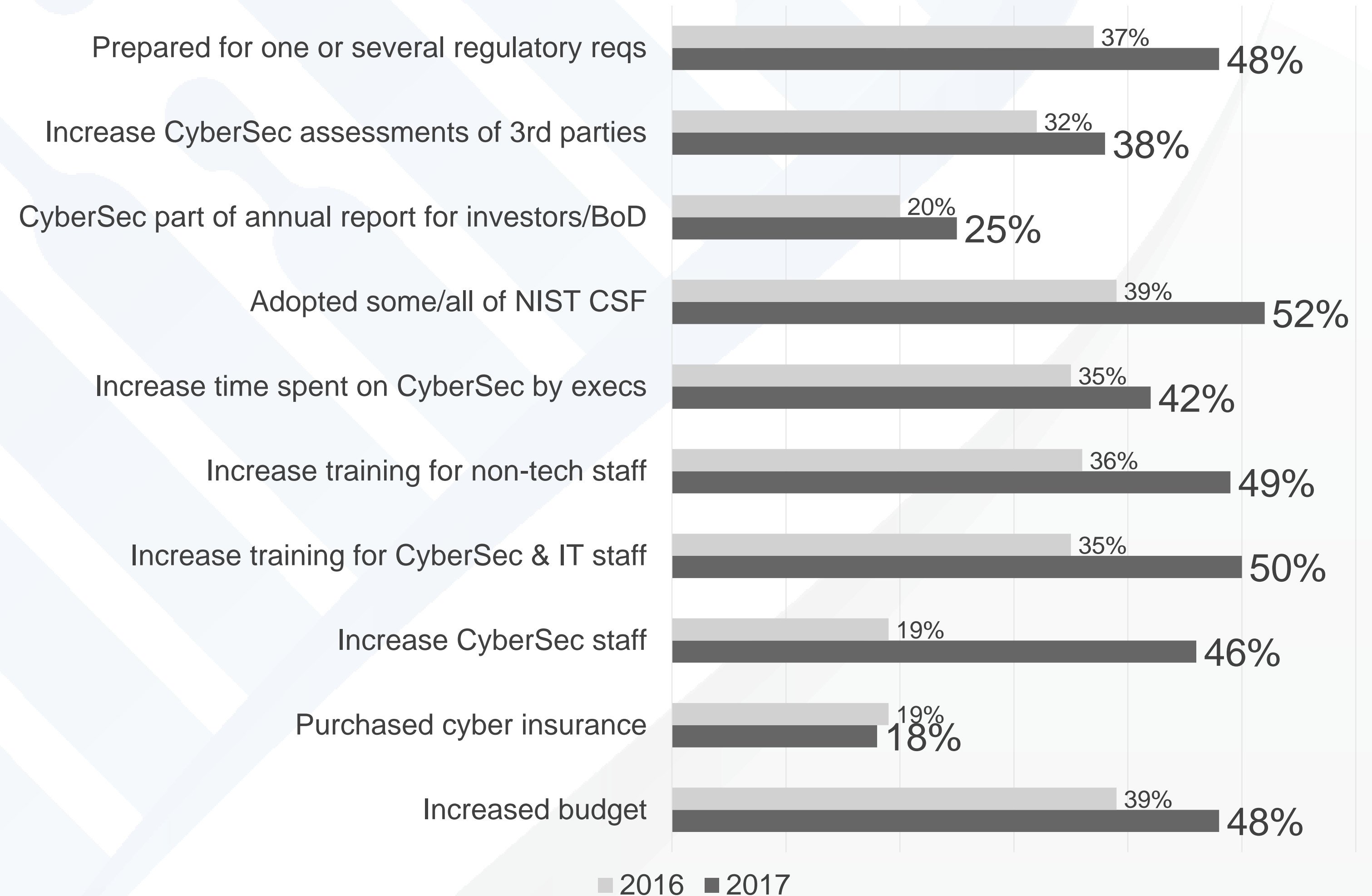
One of more of my past jobs the org didn't really understand what's required for cyber defense and operations.



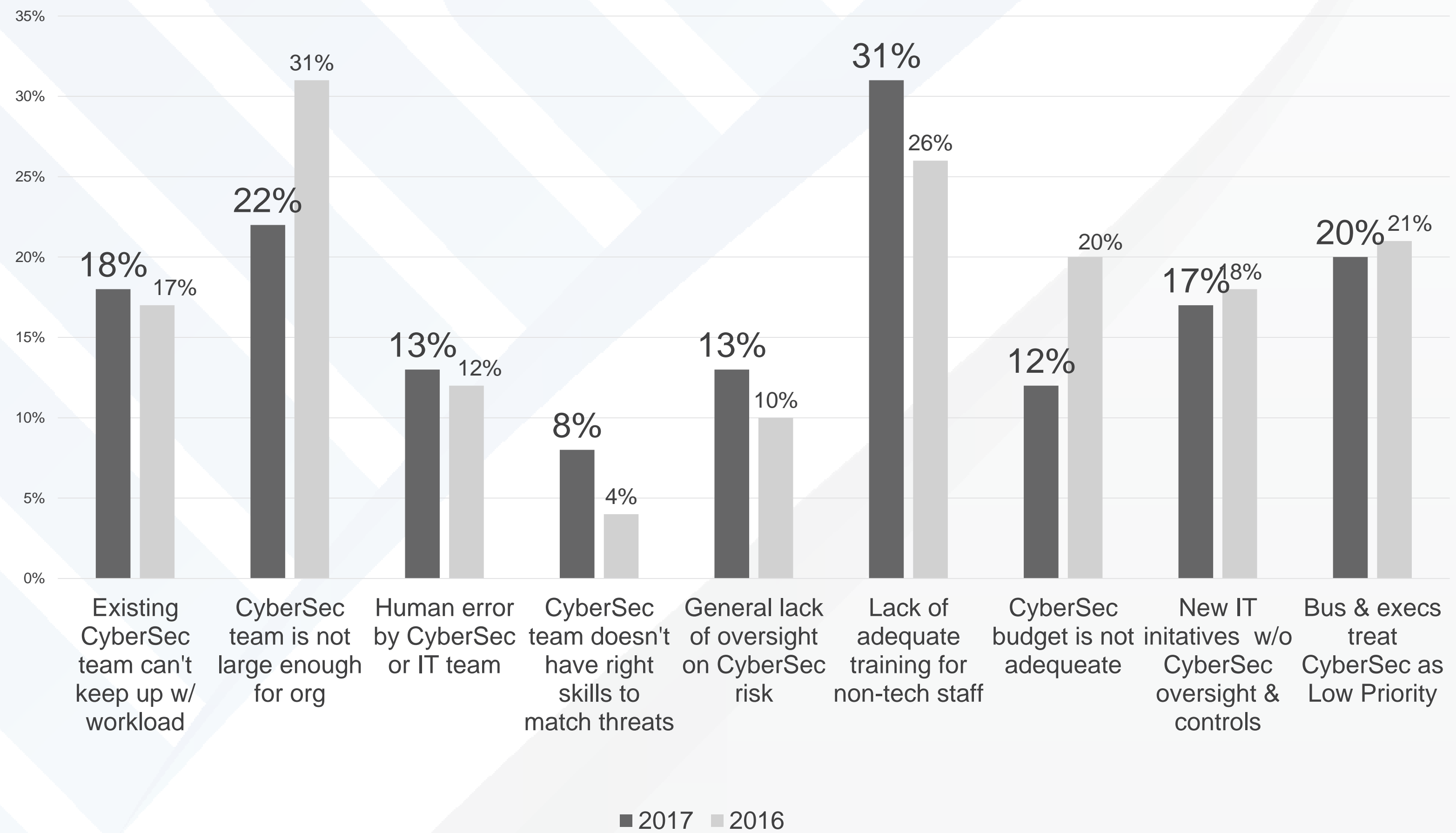
- Stongly Agree/Agree
- Neither Agree nor Disagree
- Disagree/Strongly Disagree
- Don't Know/No Opinion

ORGANIZATIONS TAKING ACTION

Which action has your
organization taken in the
past 2 years?

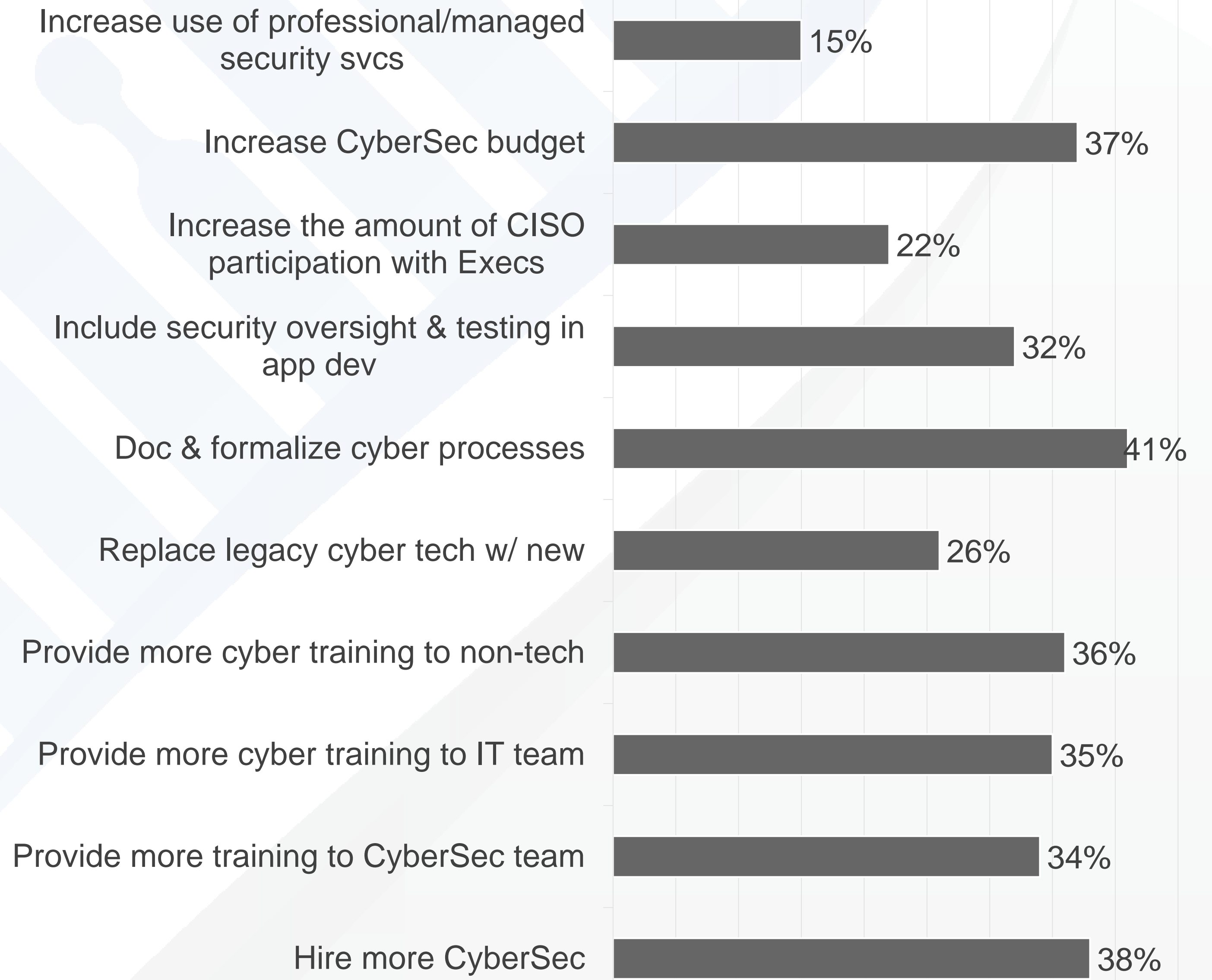


WHICH FACTORS WERE THE BIGGEST CONTRIBUTORS TO SECURITY EVENTS IN YOUR ORGANIZATION?



SOLUTIONS

Which provides the most benefits for moving forward?



KEY MESSAGES

- Difference between skills and staffing gap
 - Gap is getting wider and deeper
- Certifications have become diluted
 - Professionals turning to professional development org's to build career
- Businesses not investing in their people
 - Training (both non-technical and technical)
 - Not providing the “right” training

“TAKE AWAYS”

- Invest in yourself by sharpening your KSAs
- Use report/data for justification / budgets
- Invest in formalizing your programs
- Continue to educate business leadership and non-technical staff



RESEARCH REPORT

You can obtain a copy of the research report on ISSA's website or directly through this link.

http://www.issa.org/?page=2017_issaesg_surv

QUESTIONS?

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THANK YOU
PLEASE FILL OUT YOUR EVALUATIONS!

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