

# RSA® Conference 2019 Asia Pacific & Japan

Singapore | 16–18 July | Marina Bay Sands

The logo consists of the word "BETTER." in a bold, white, sans-serif font. The letters are partially obscured by a dynamic, colorful network of lines and dots that radiate from the bottom right corner of the slide. The colors transition through green, blue, purple, and pink.

SESSION ID: SEM-T02E

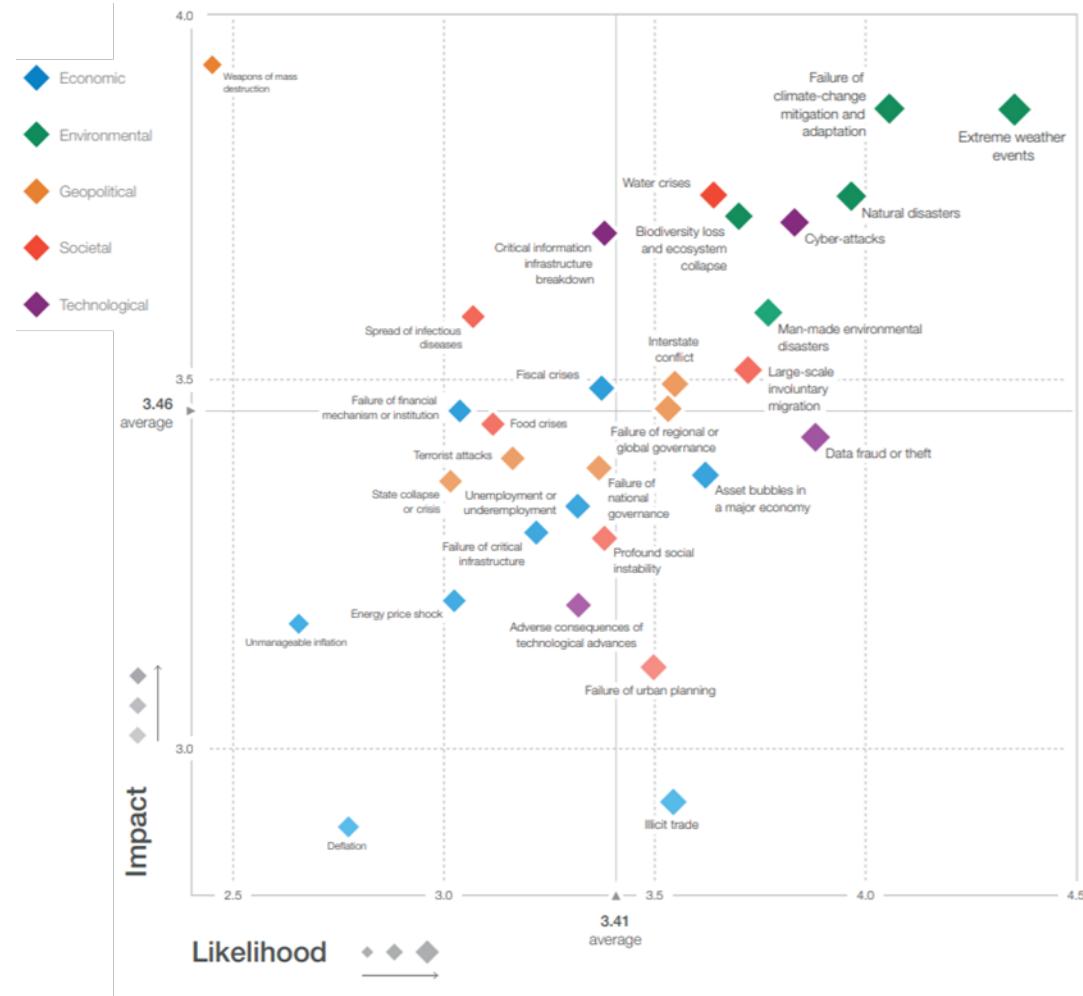
## How to Be Awesome at Your Job: A Study of Cyber-Responsibility and Talent

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Chief Technology Officer, Asia Pacific  
McAfee  
@ianyip

#RSAC

# Global risk landscape 2019

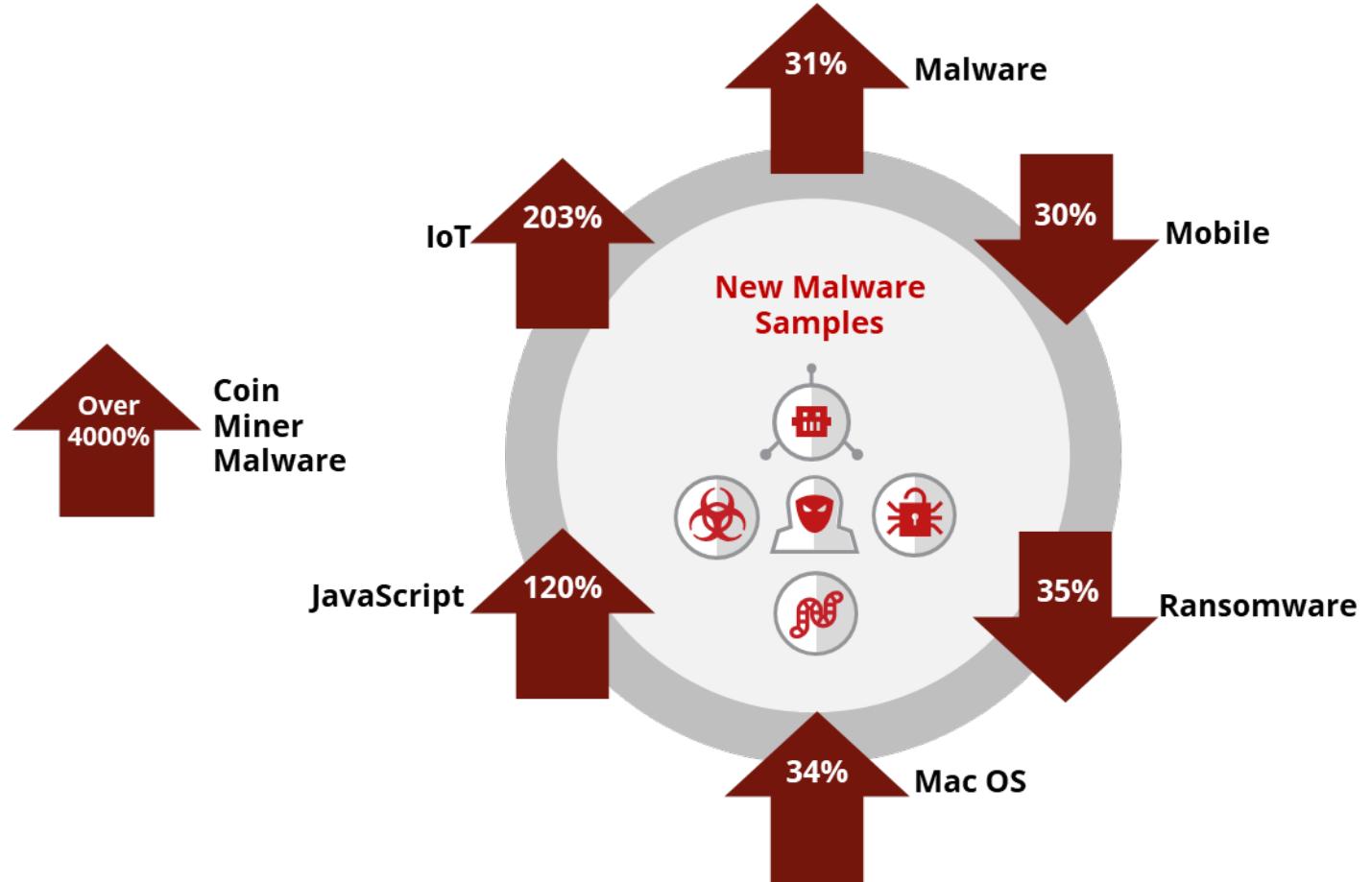


1	Extreme weather events
2	Failure of climate-change mitigation and adaptation
3	Natural disasters
4	Cyber-attacks

Source: World Economic Forum Global Risks Report 2019 - [http://www3.weforum.org/docs/WEF\\_Global\\_Risks\\_Report\\_2019.pdf](http://www3.weforum.org/docs/WEF_Global_Risks_Report_2019.pdf)

# McAfee Global Threat Intelligence receives on average 49 billion queries per day

8 new threat samples every second





**78%**

Believe there is a skills shortage in cybersecurity



**84%**

Admit it is difficult to attract talent



**57%**

Of managers have trouble finding cybersecurity staff



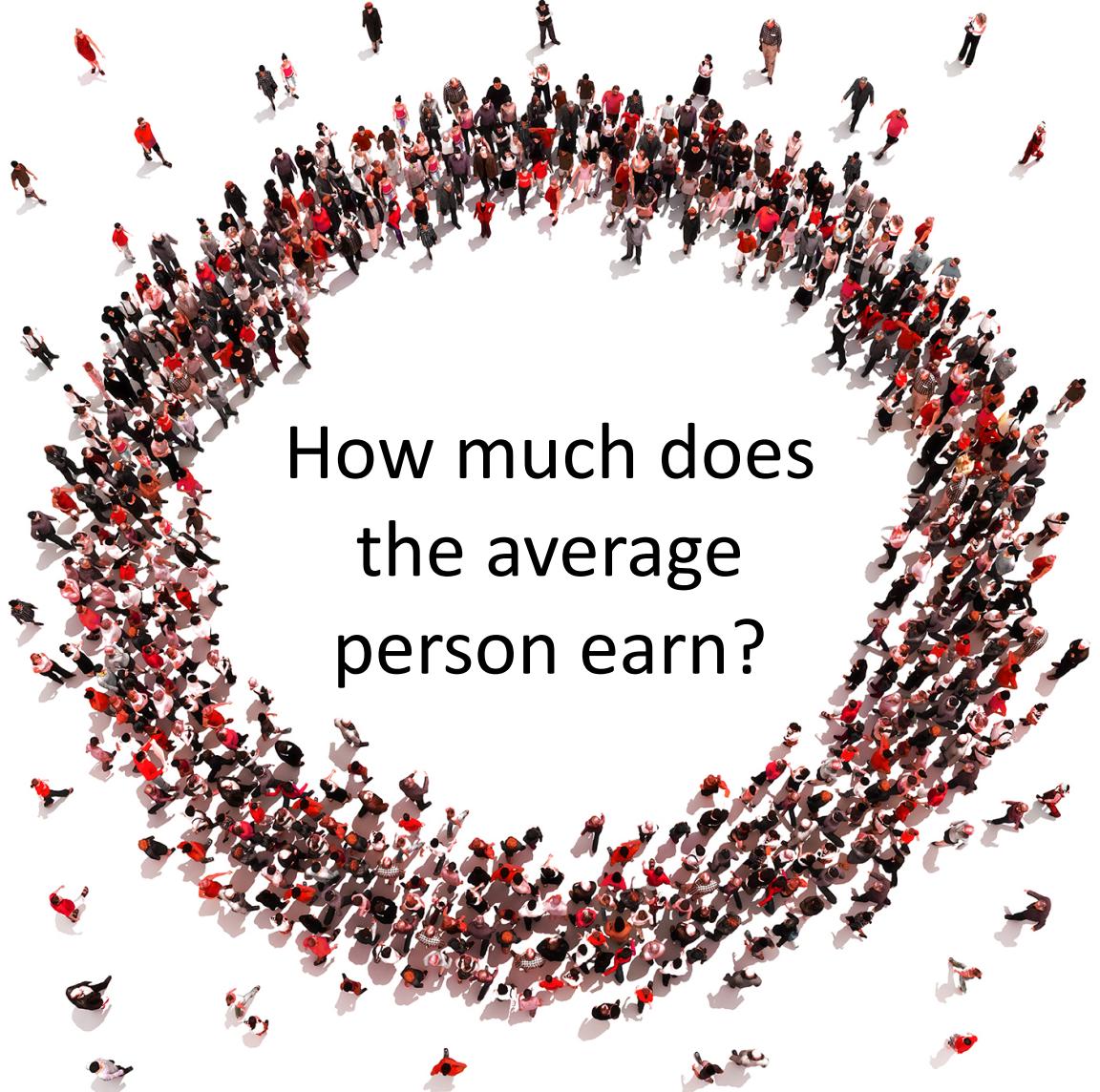
**89%**

Say they would consider leaving their current role for the right incentives

Sources: McAfee Cybersecurity Talent study 2018, McAfee Winning the Game study 2018

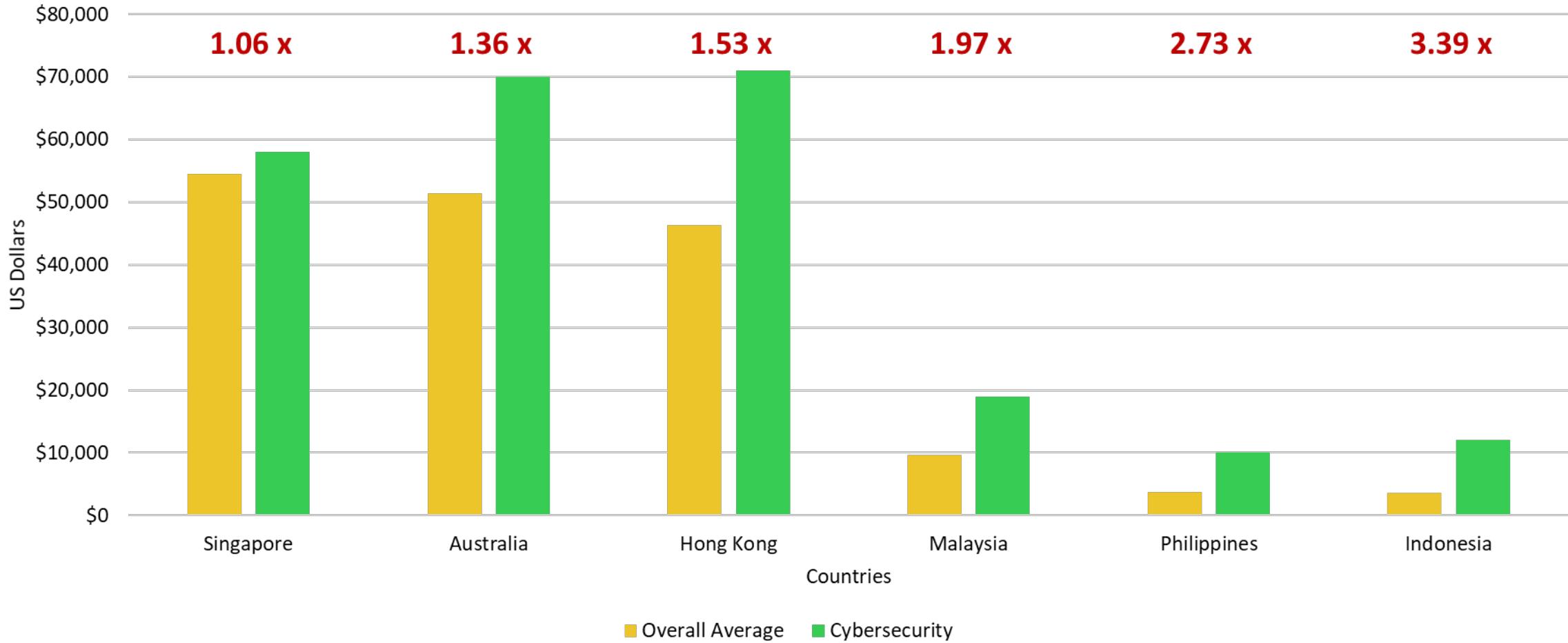
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**Question: Do cybersecurity professionals get paid enough?**

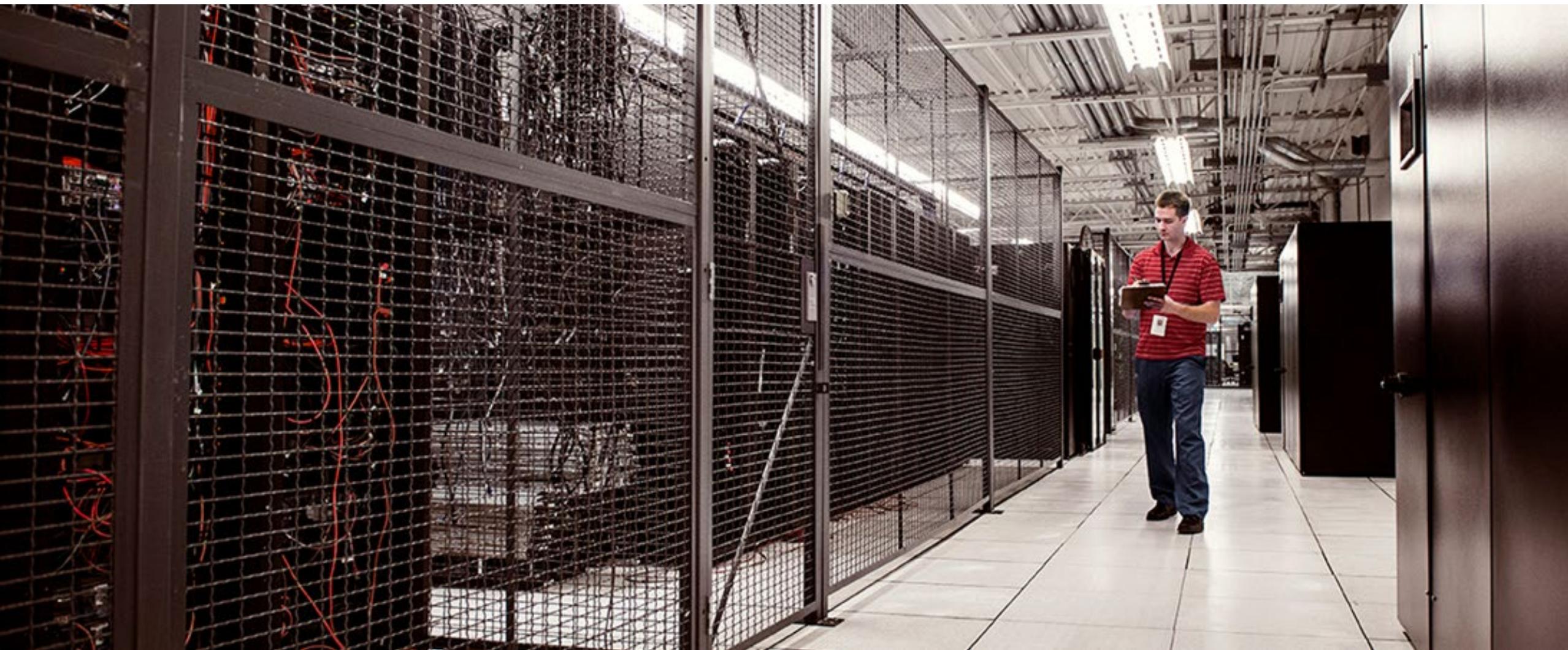


How much does  
the average  
person earn?

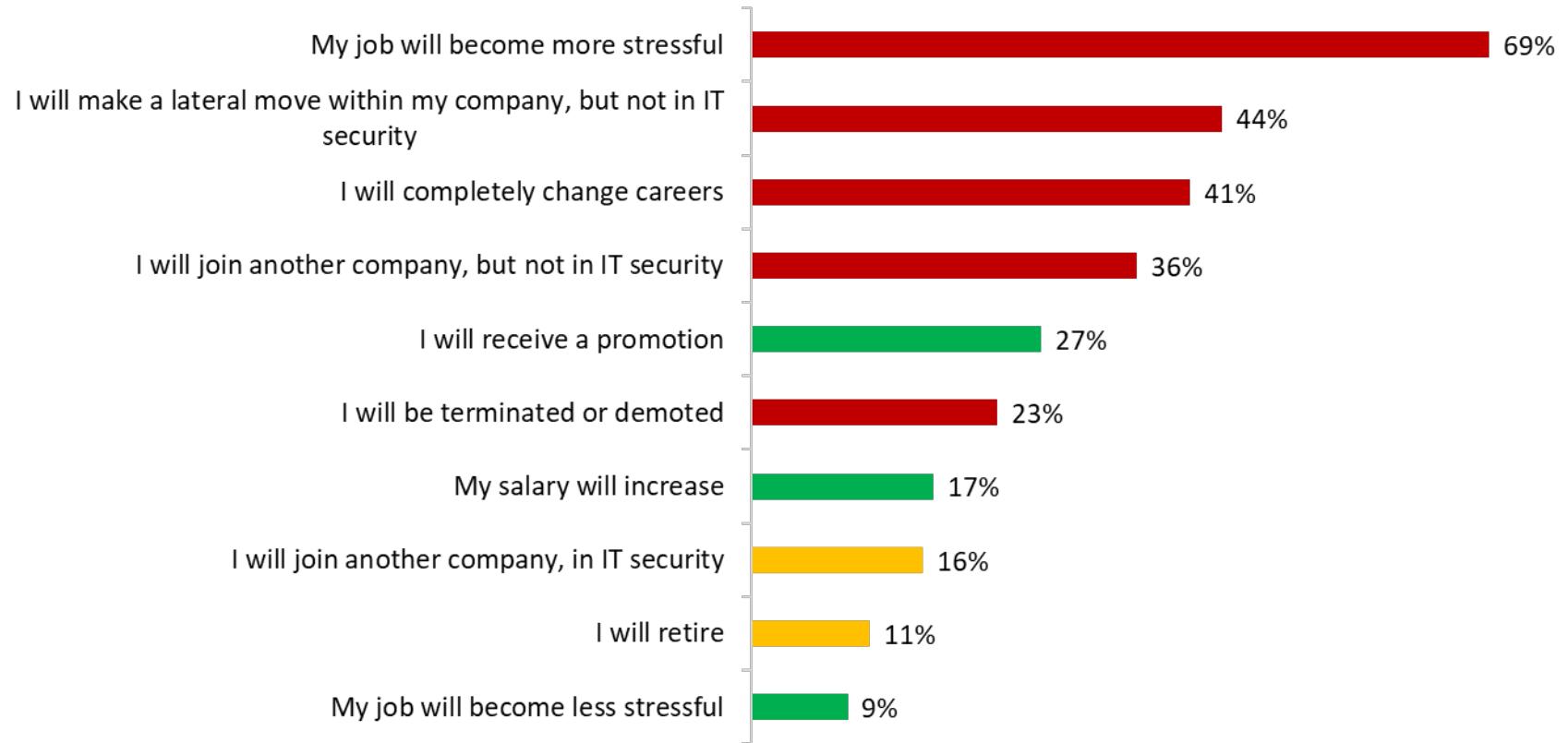
# Annual salaries



# We have a perception issue

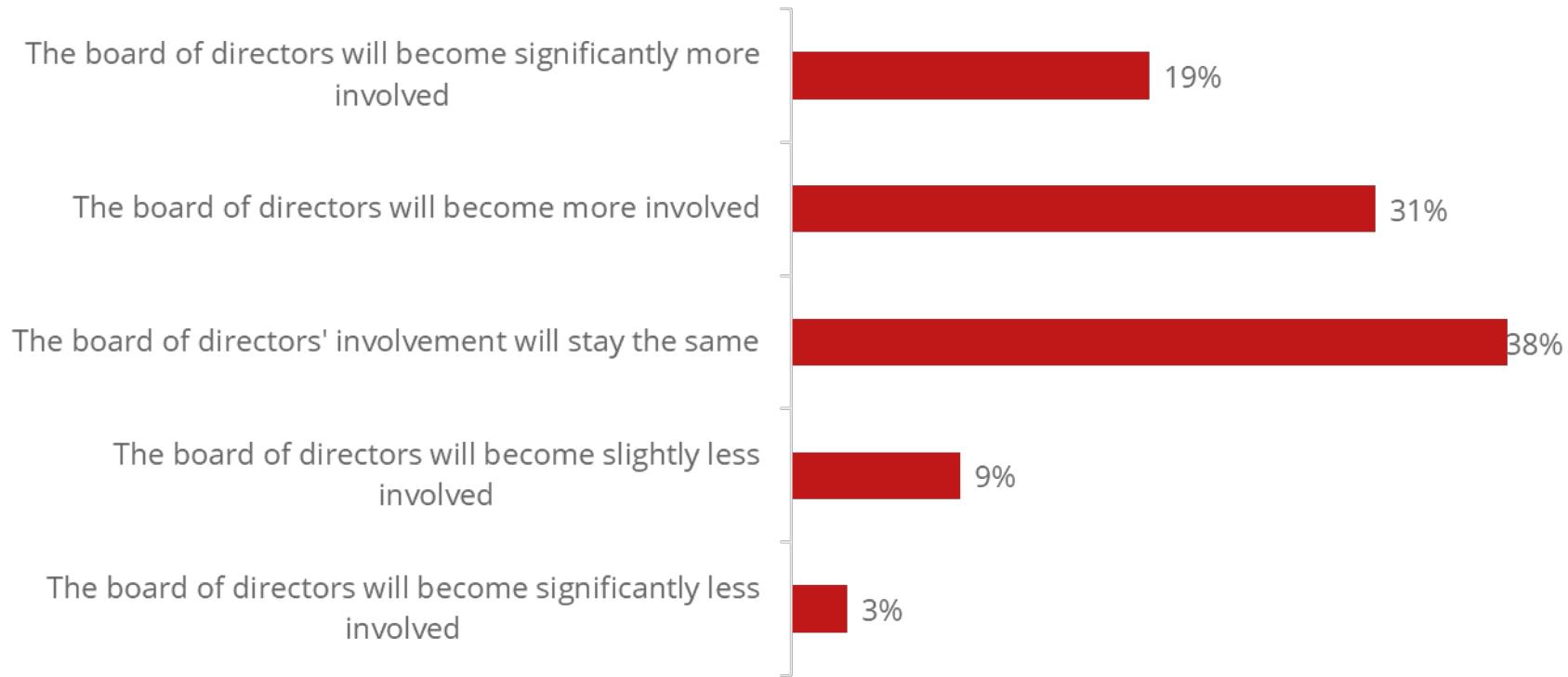


# CISO career predictions

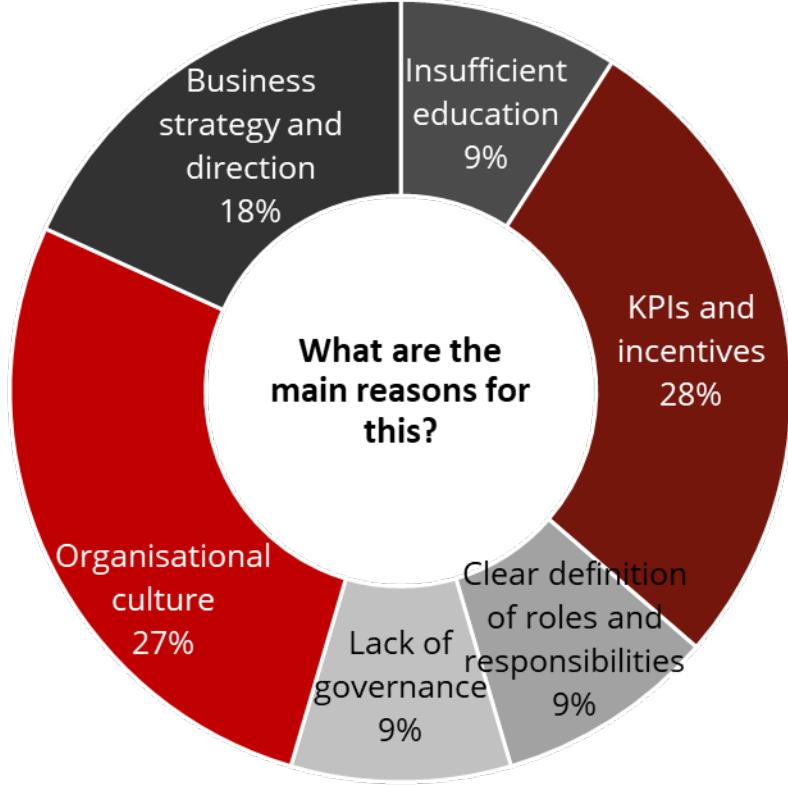
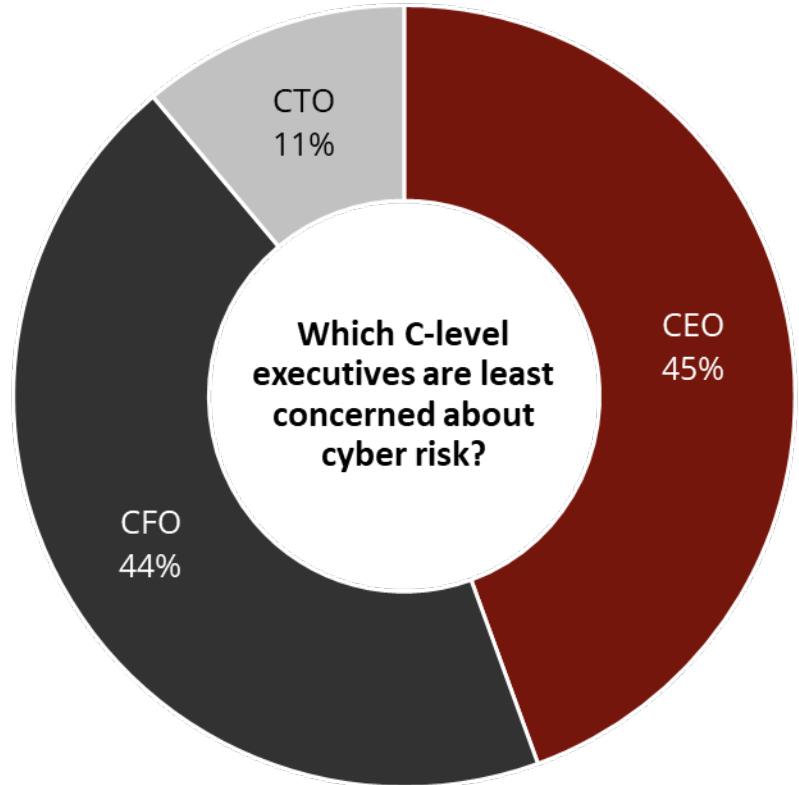


Source: Ponemon Institute - What CISOs Worry About in 2018 study

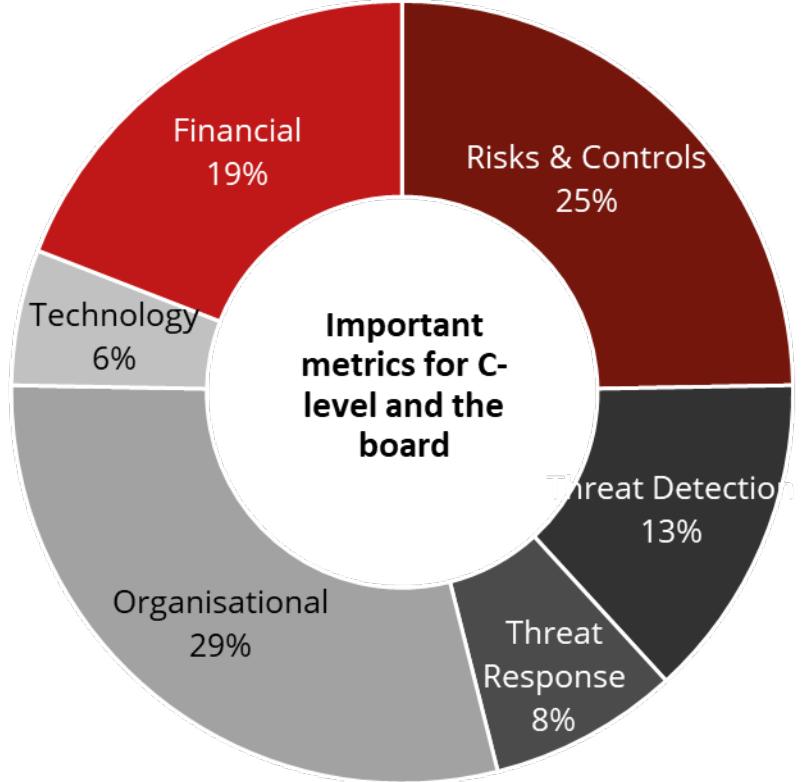
# Board involvement with cybersecurity



Source: Ponemon Institute - What CISOs Worry About in 2018 study

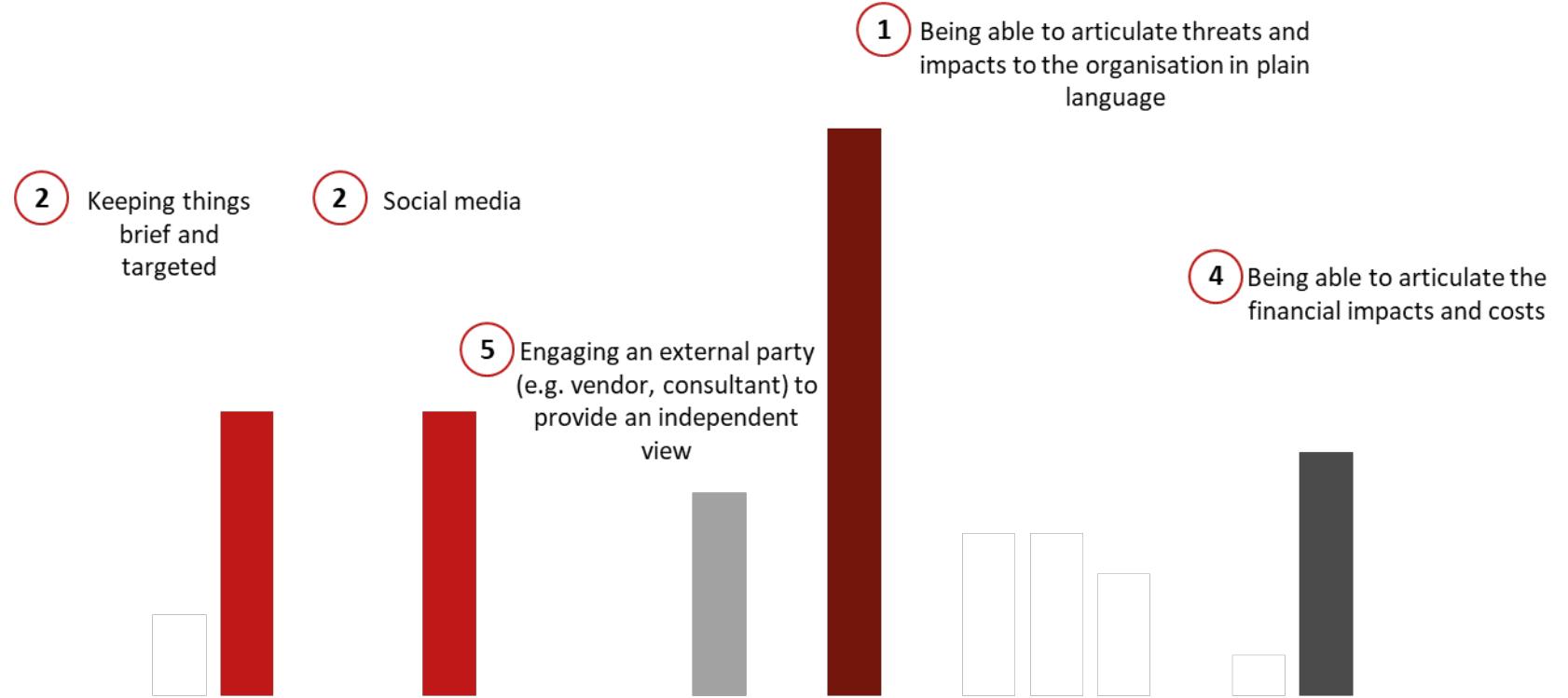


Source: McAfee Cyber Responsibility study 2018

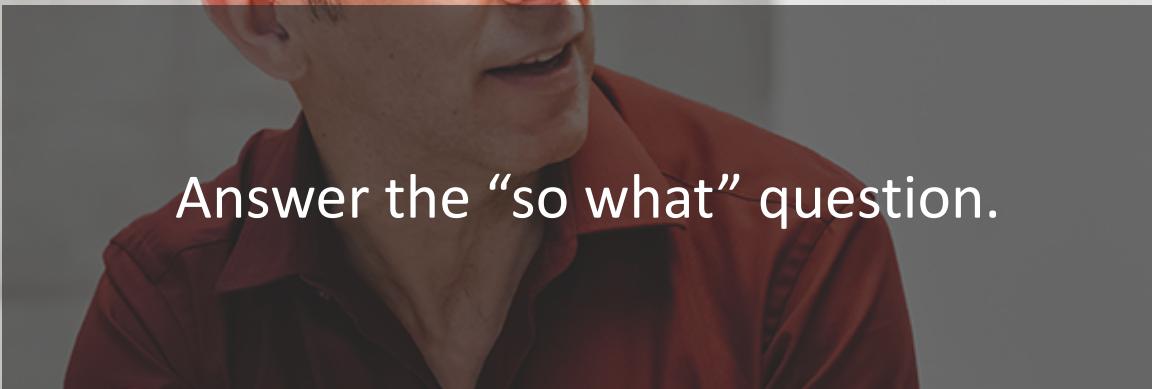


Source: McAfee Cyber Responsibility study 2018

# Most important factors in improving understanding of cyber risk at the C-level and board

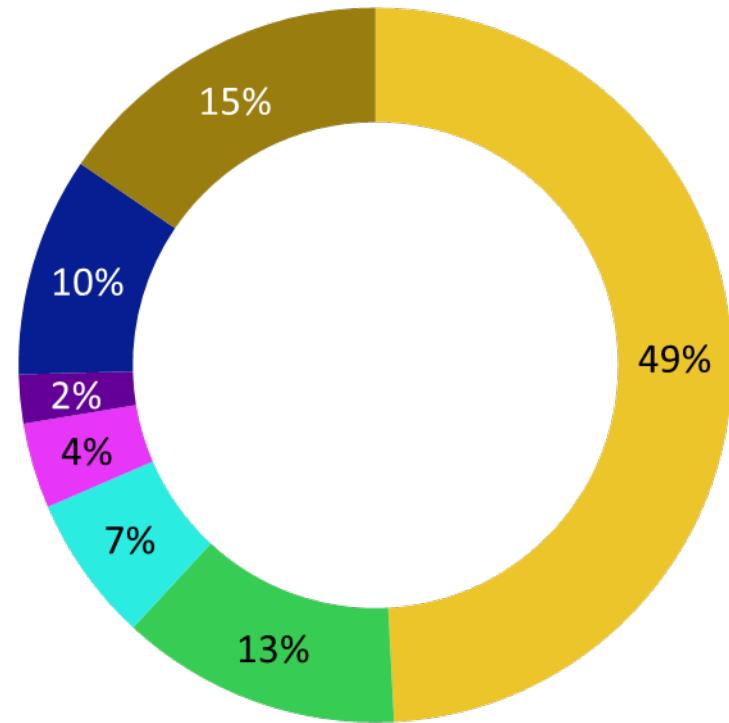


Source: McAfee Cyber Responsibility study 2018



Answer the “so what” question.

# What did you study?



Source: McAfee Cybersecurity Talent study 2018

■ Engineering, IT, Telecommunications & Cyber Security

■ Business & Finance

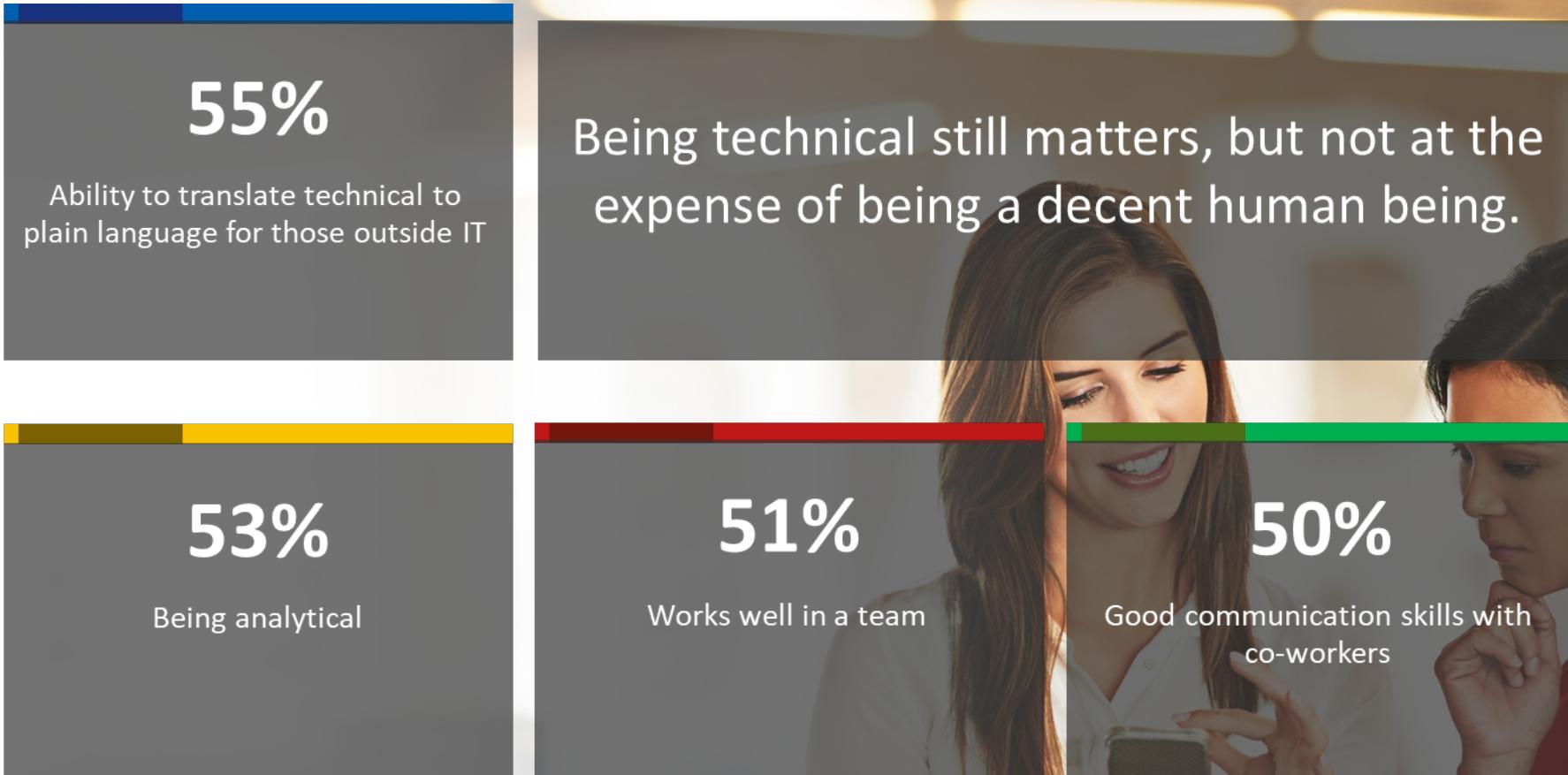
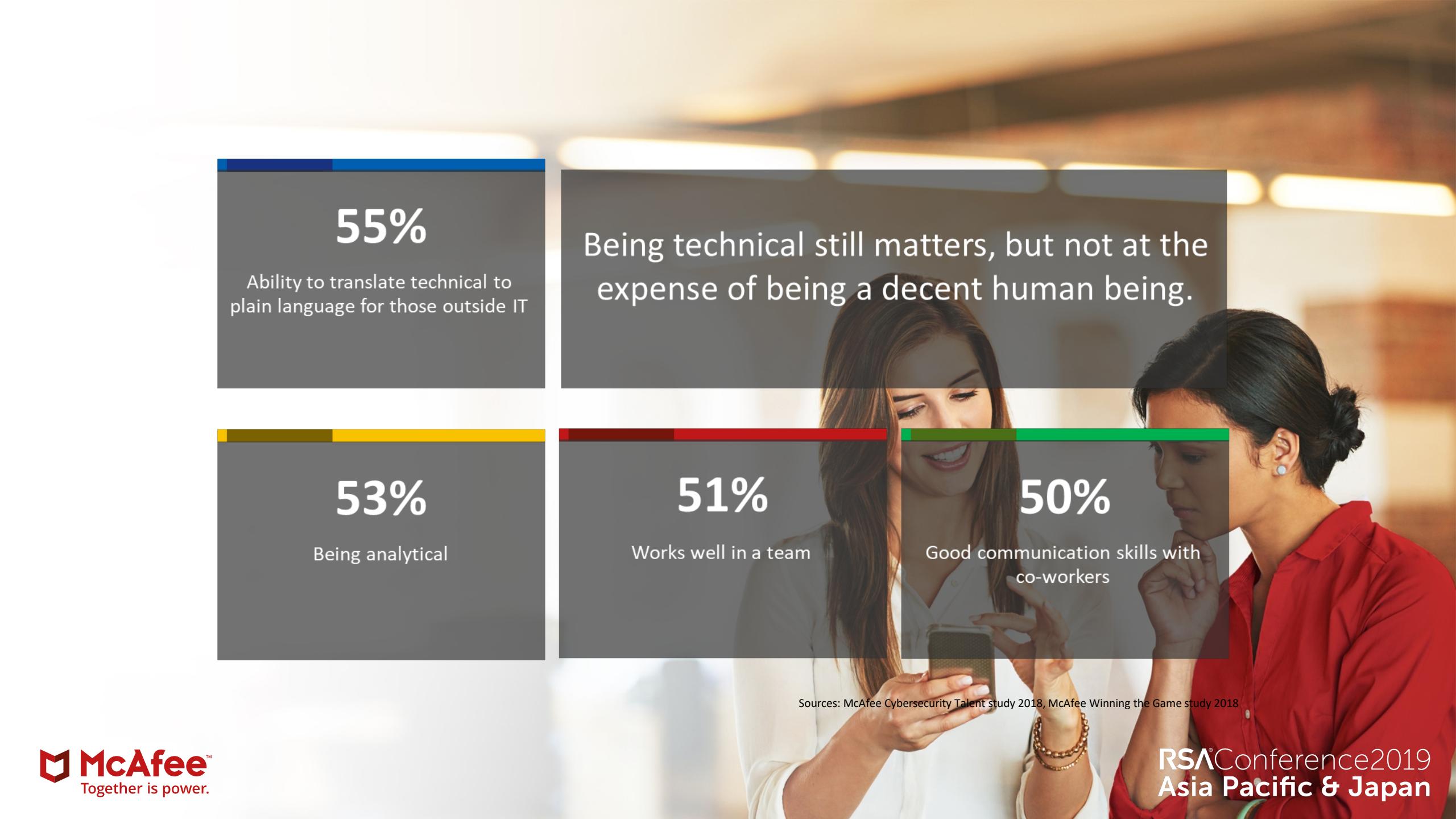
■ Arts & Humanities

■ Mathematics & Science

■ Trade

■ Other

■ None / NA



**55%**

Ability to translate technical to plain language for those outside IT

**53%**

Being analytical

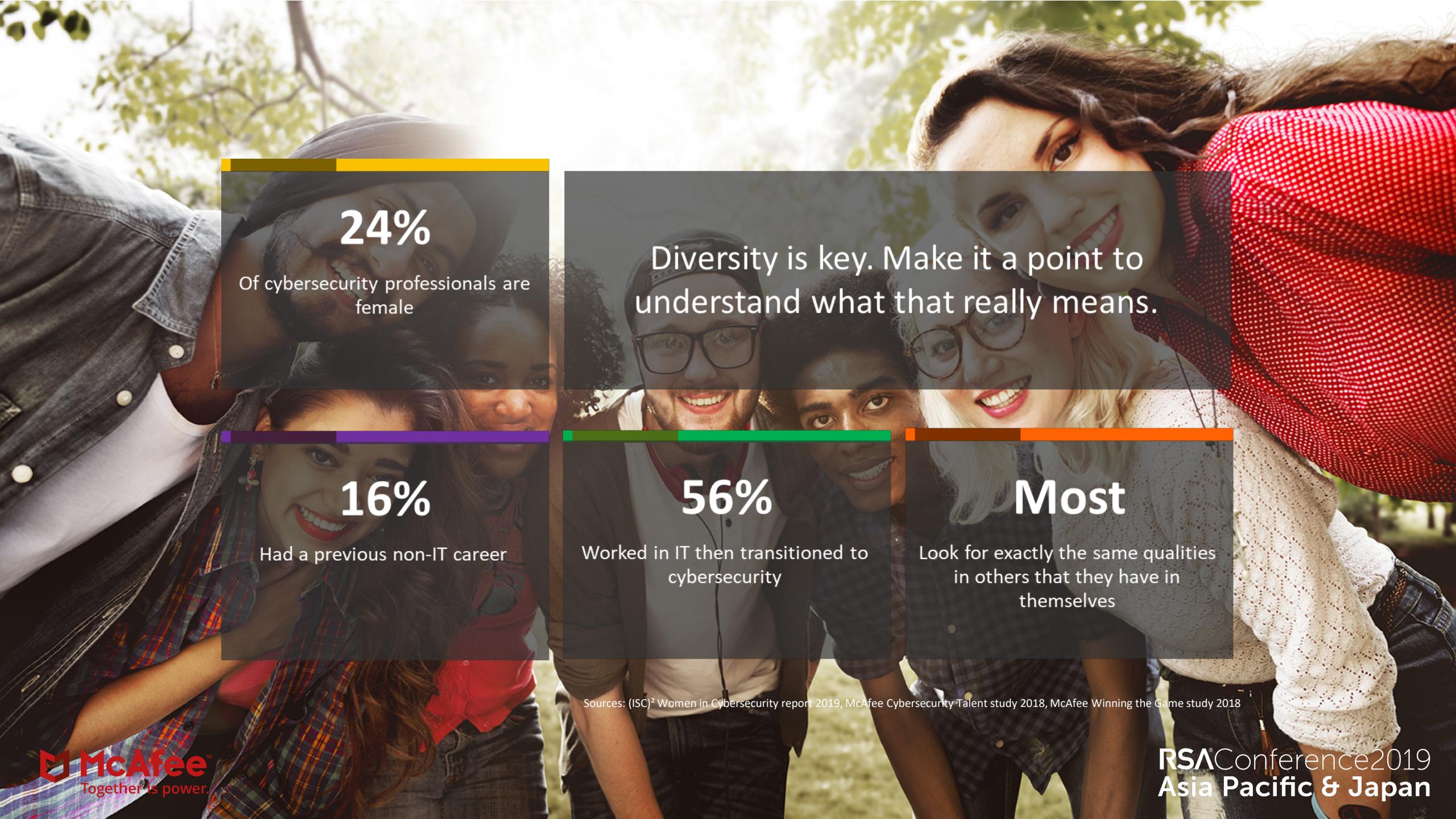
**51%**

Works well in a team

**50%**

Good communication skills with co-workers

Sources: McAfee Cybersecurity Talent study 2018, McAfee Winning the Game study 2018



**24%**

Of cybersecurity professionals are female

**16%**

Had a previous non-IT career

Diversity is key. Make it a point to understand what that really means.

**56%**

Worked in IT then transitioned to cybersecurity

**Most**

Look for exactly the same qualities in others that they have in themselves

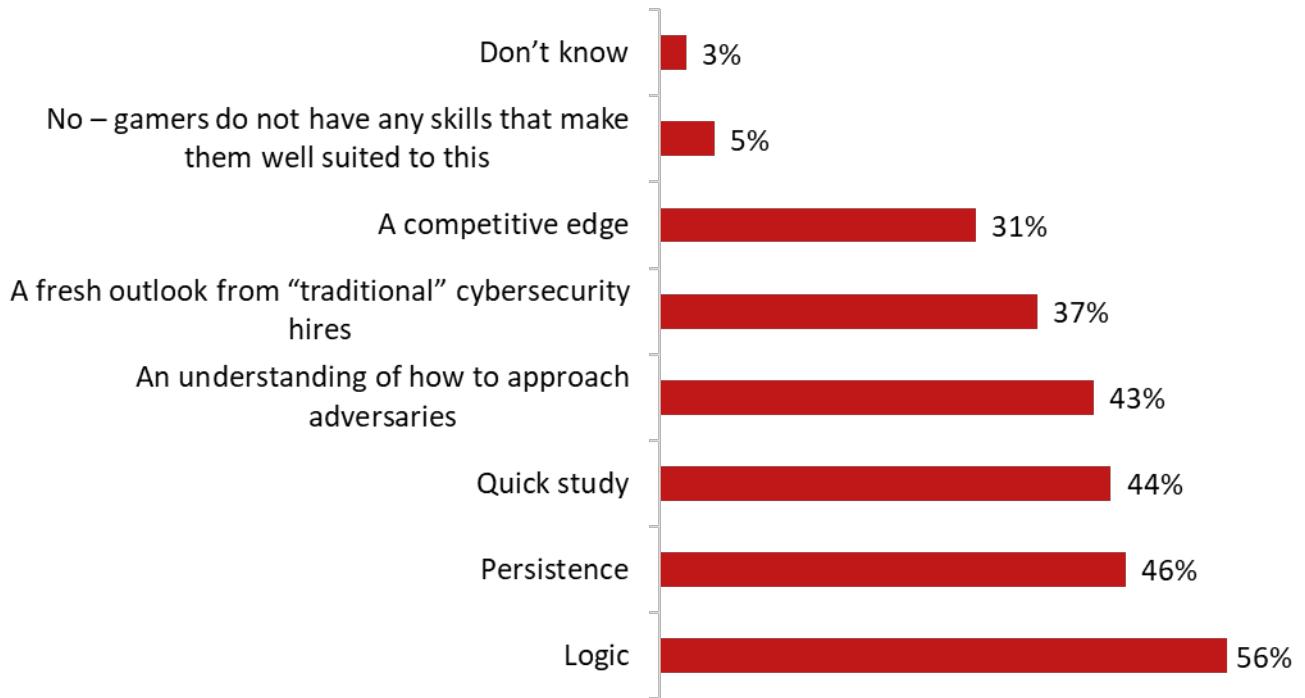
# Do gamers make good cybersecurity professionals?

 Casey Ellis • 2nd  
Founder/Chairman/CTO @bugcrowd.  
4mo

Can confirm... The gamer/engineer skills cluster is perfect for offensive and defensive cybersecurity. They understand the tech from building gaming rigs and engineering, and understand adversarial thinking and the "thrill of the win" from gaming #getcreative #bugbounty

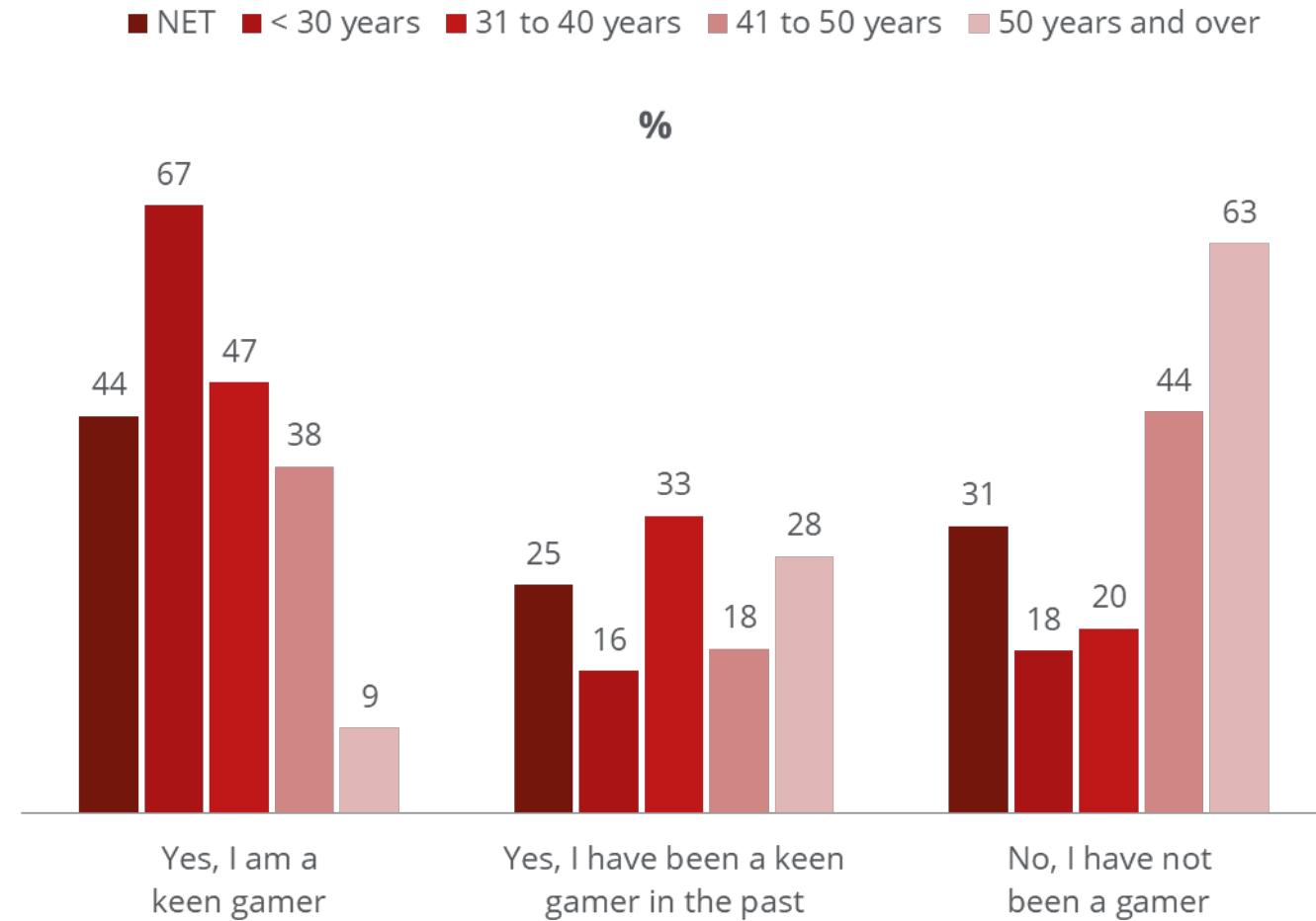
 Ian Yip  
Chief Technology Officer at McAfee Asia Pacific  
4mo

Skills shortage? Look for gamers: "Seventy-two percent of respondents say hiring experienced video gamers into the IT department seems like a good way to plug the cybersecurity skills gap, and three-quarters of senior mar ...see more

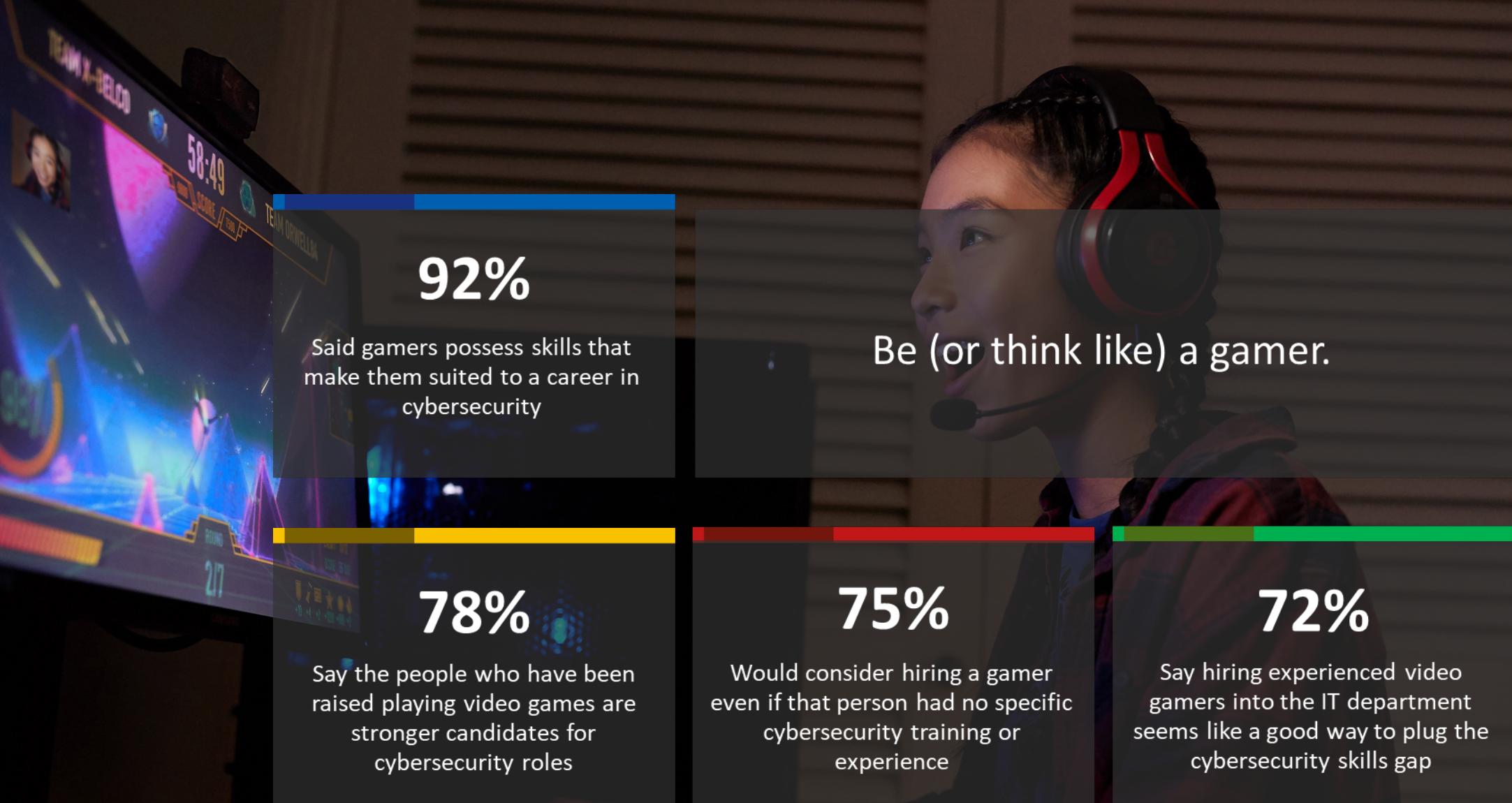


Source: McAfee Winning the Game study 2018

# Do we have a lot of gamers in cybersecurity?

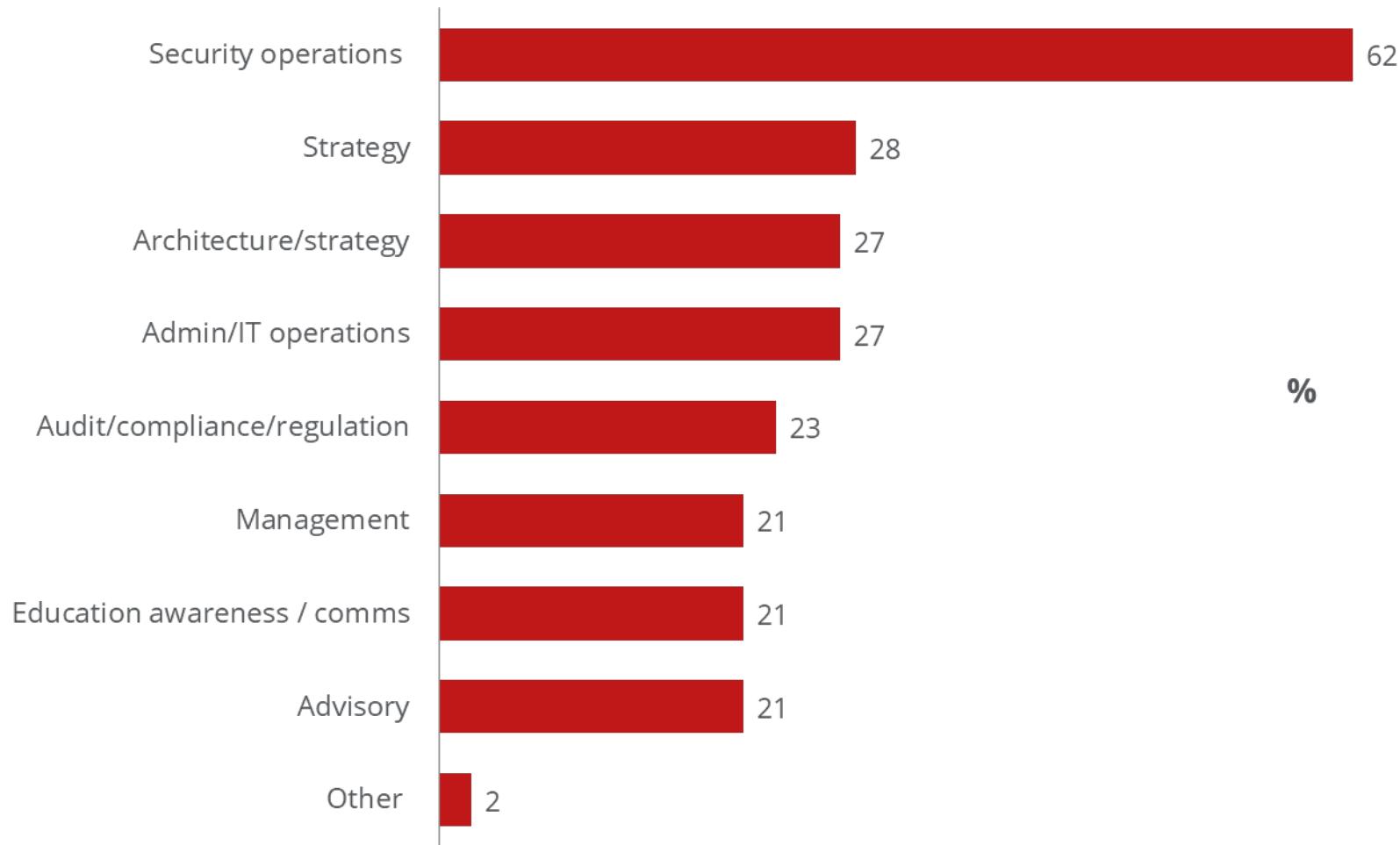


Source: McAfee Cybersecurity Talent study 2018



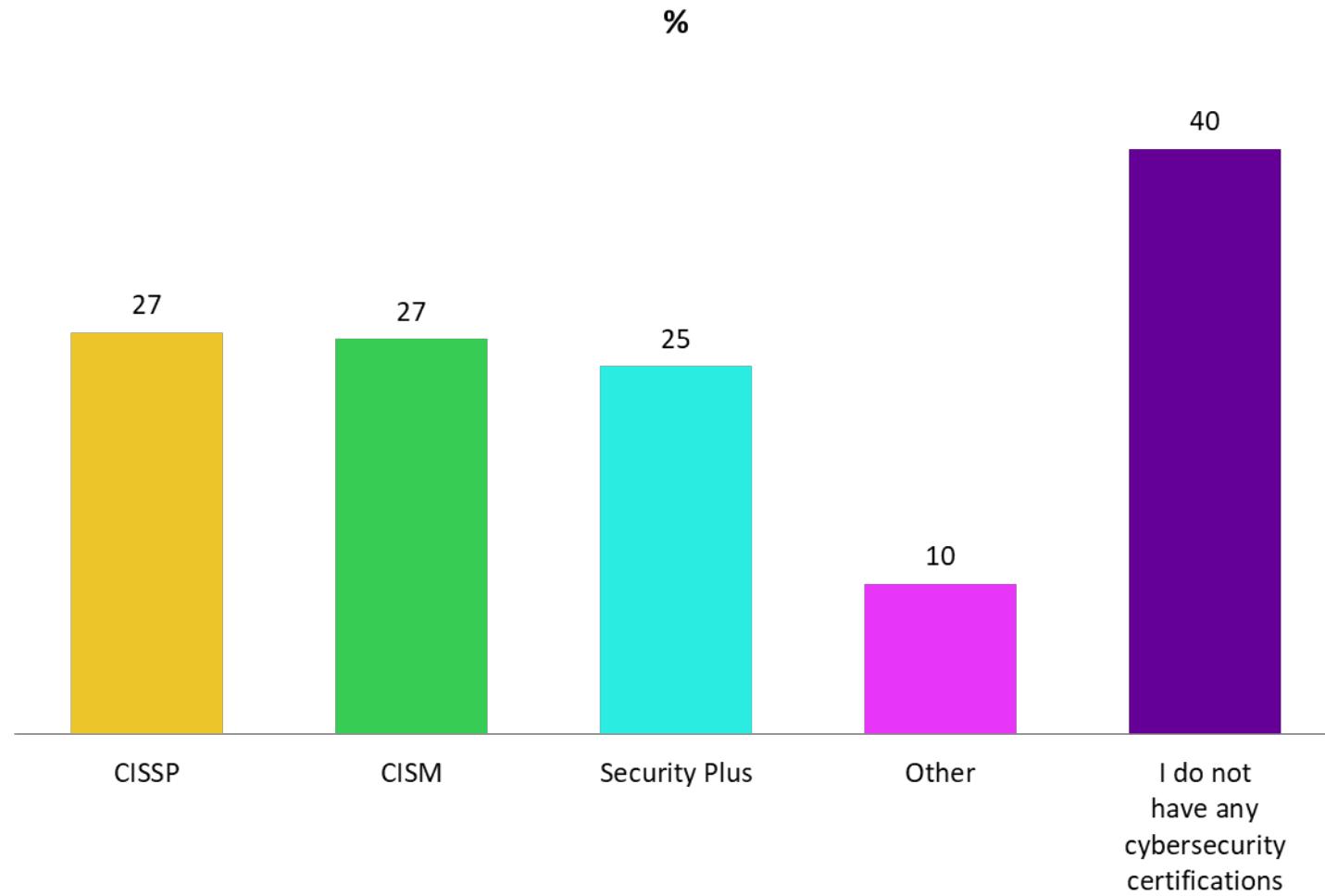
Sources: McAfee Cybersecurity Talent study 2018, McAfee Winning the Game study 2018

# Which roles present the most opportunity?



Source: McAfee Cybersecurity Talent study 2018

# Do you need certifications?



Source: McAfee Cybersecurity Talent study 2018

Facilitates better collaboration by helping to overcome trust issues

Understands that certifications are important, but not mandatory

Has attributes that gamers possess

Understands that the key drivers for cybersecurity investment are: business risks and impacts, regulatory compliance, audits, and industry trends

Has “fundamental” cybersecurity skills

## The ideal cybersecurity professional

Is most likely going to find opportunities in Security Operations

### Qualities

- Logical
- Analytical
- Persistent
- Creative
- Meticulous
- Quick study
- Knows how to deal with adversaries
- Takes a fresh outlook
- Has a competitive edge
- Collaborative (team player)
- Passionate

### Emerging needs

- Risk management
- Threat awareness
- Threat hunting
- Understanding of tools available/used
- Communication
- Problem solving
- Programming



You might be a “superstar”; that doesn’t mean you need to act like one.

Answer the “so what” question.

Being technical still matters, but not at the expense of being a decent human being.

Diversity is key. Make it a point to understand what that really means.

Be (or think like) a gamer.

# Apply

1. Check your ego at the door.
2. Think outside-in.
3. Go learn some tech if you can. But always be nice.
4. Surround yourself with people who are not like you.
5. Play more games ☺

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Q&A

