

BEST PRACTICES FOR CYBERSECURITY TRAINING SUCCESS

What makes cybersecurity training programs successful and how are organizations defining success?



The Ponemon Institute surveyed 1,000+ organizations across 17 countries to learn what's working in cybersecurity certification and skills development, what's changed since 2020 and what's driving ROI.

What's Working



Engaging content and realistic simulations



Training content for all skill levels



Executive-level visibility into scores and results



Broad adoption results in higher Security Effectiveness Scores (SES)

What Does 'Success' Look Like?

Successful training programs...

- > Measure proficiency, identify skill gaps and track improvement over time
- > Feature the latest threat intelligence and address future vulnerabilities
- > Foster cross-organizational excellence and effective collaboration
- > Drive adoption and participation with engaging, role-based courses

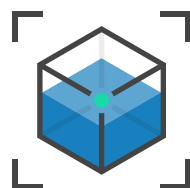
What's Changed?

Some of the most significant changes since 2020 are in the areas of training format and management. Reality-based training tied to a learner's role is on the rise while in-person training is on the way out. Cybersecurity training is now often part of an on-boarding process and mostly mandatory, with results reported to C-level executives.

TRAINING INCLUDES REALISTIC SIMULATION

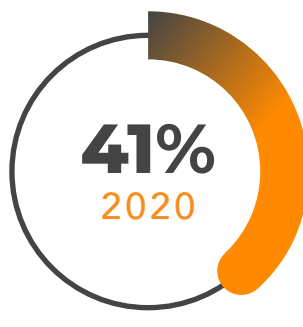


36%
2020

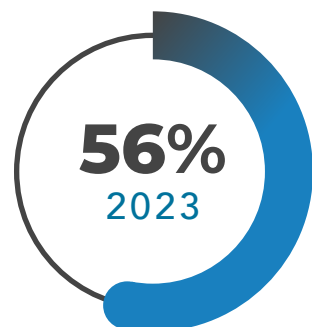


60%
2023

TRAINING IS PART OF THE ON-BOARDING PROCESS



41%
2020



56%
2023

TRAINING CONTENT FITS THE LEARNER'S JOB ROLE



2020

43%



2023

55%

TRAINING REQUIREMENTS CANNOT BE WAIVED



21%
2020

45%
2023

RESULTS ARE REPORTED TO C-LEVEL EXECUTIVES

2020

31%

2023

53%

What Does it Cost?

On average, organizations spend **\$3.5 million** annually on cybersecurity programs, a **20% increase** over 2020 while large enterprises can spend up to **\$6 million** annually.

80% of the organizations surveyed had some form of training for their cybersecurity teams and programs featuring realistic simulations and role-based training were the most effective.

With significant amounts being invested in cybersecurity training, program effectiveness and ROI are top priorities. To learn more about the Ponemon Institute findings download the full report [here](#).

ABOUT CMD+CTRL

CMD+CTRL Security is a pioneer in software security training. For over two decades, organizations of all sizes, from mid-sized to Global 100 companies, have relied on our training solutions to make software secure wherever it runs. Our comprehensive suite of role-based modules, skill labs and hands-on cyber ranges are purpose-built to deliver security expertise to all software stakeholders — from developers to architects to the C-suite — to eliminate security skills gaps, mitigate risk, achieve compliance, and drive productivity. Visit cmdntrlsecurity.com to learn how we can help you launch a best-in-class training program.