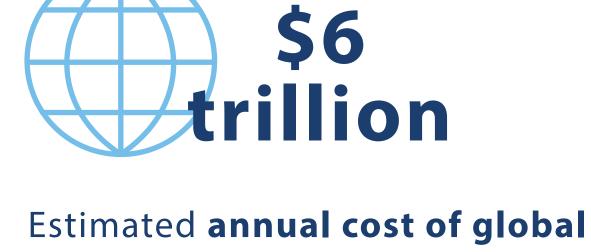
### CYBERSECURITY BY THE NUMBERS

A special report from the University of San Diego's online cybersecurity master's degree program.

THE GLOBAL CYBERCRIME EPIDEMIC HAS TRIGGERED A CYBERSECURITY CALL TO ARMS Trillions of dollars are at stake as organizations across all industries seek millions of skilled cybersecurity professionals to fight the good fight.

## THE CYBERCRIME **CRISIS**

Along with extraordinary progress, the worldwide adoption of digital technology has brought far greater vulnerability to high-tech attacks.



cybercrime by 2021

million

by identity theft over the last several years

Number of Americans affected



in 2019 (highest cost by country: U.S. at \$8.19 million; highest cost by industry: health care at \$6.45 million)

Average cost of a data breach

Percentage of senior

39%

executives surveyed by PwC who are confident they have adequate safeguards in place to deal with cyber threats

**Robert S. Mueller III** Former FBI director

There are only two types of companies: Those that have

been hacked and those that will be hacked.

## TALENT SHORTAGE Amid the ongoing explosion of data breaches

and cybercrime, demand for cybersecurity

professionals with the right experience and

CYBERSECURITY

education far outpaces the supply.

### Estimated number of unfilled cybersecurity positions worldwide by 2021

35 million

59%

Percentage of survey respondents who say their companies are at moderate 1.7 million or extreme risk of cybersecurity attacks due to the severe cybersecurity Results on Google for search term "cyber talent shortage security jobs \$100,000"

Unfortunately the pipeline of security talent isn't where it needs to be to help curb the cybercrime epidemic.

Percentage of cybersecurity professionals contacted weekly by

recruiters, regardless of whether they are actively looking for a job.

\$500,000

**Robert Herjavec** 

Founder and CEO of Herjavec Group and a panelist on ABC's "Shark Tank"

## professionals, with countless organizations across all industries paying six-figure salaries for top talent.

**CYBERSECURITY** 

The talent shortage has created a

CAREER OUTLOOK

"seller's market" for skilled cybersecurity

\$130,000 Average salary for a cybersecurity architect.

**Unemployment rate** 0% across the cybersecurity jobs landscape.

Percentage of ISSA/ESG survey respondents

who agree or strongly agree that they are

happy as a cybersecurity professional.

Earning potential for top cybersecurity

executives and elite bug bounty hunters.

Every IT position is also a cybersecurity position now.

Experience is considered essential in cybersecurity; earning a

master's degree expands one's career opportunities and gives the

79%

**Steve Morgan** Founder and CEO of Cybersecurity Ventures and Cybercrime Magazine

# **EDUCATION: A** COMPETITIVE EDGE

degree holder a valuable competitive edge in the job market. \$102,231



Percentage of cybersecurity consultant

positions that require a graduate degree

Number of months it takes to earn a master's degree through the University of San Diego

Part of our role in helping to train current and future generations of cybersecurity professionals is to conduct research and collaborate with key industry stakeholders to ensure that our curriculum is cutting edge and that our training aligns with the workplace needs of employers.

**Dr. Michelle Moore** 

Academic director, University of San Diego's Master of Science in Cyber Security Operations

## **SOURCES**

Monster.com ZipRecuriter.com Lifelock.com CSOonline.com Cyberseek.org

Trimpwire.com IBM.com **Cybersecurity Ventures** HerjavecGroup.com PricewaterhouseCoopers International Risk Management Institute ISSA.org ESG.org KnowB4.com

WhiteHouse.gov



Average annual salary

with a cybersecurity

