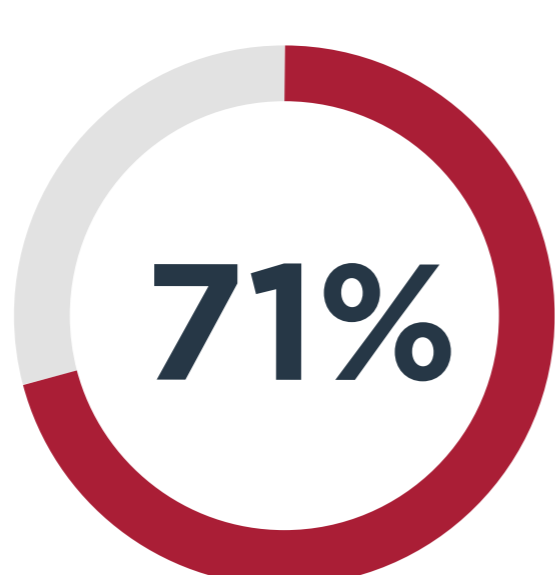


# Ransomware is the Leading Form of Cyber Attack for SMBs<sup>1</sup>

What is your organization doing about it?

## First let's define ransomware.

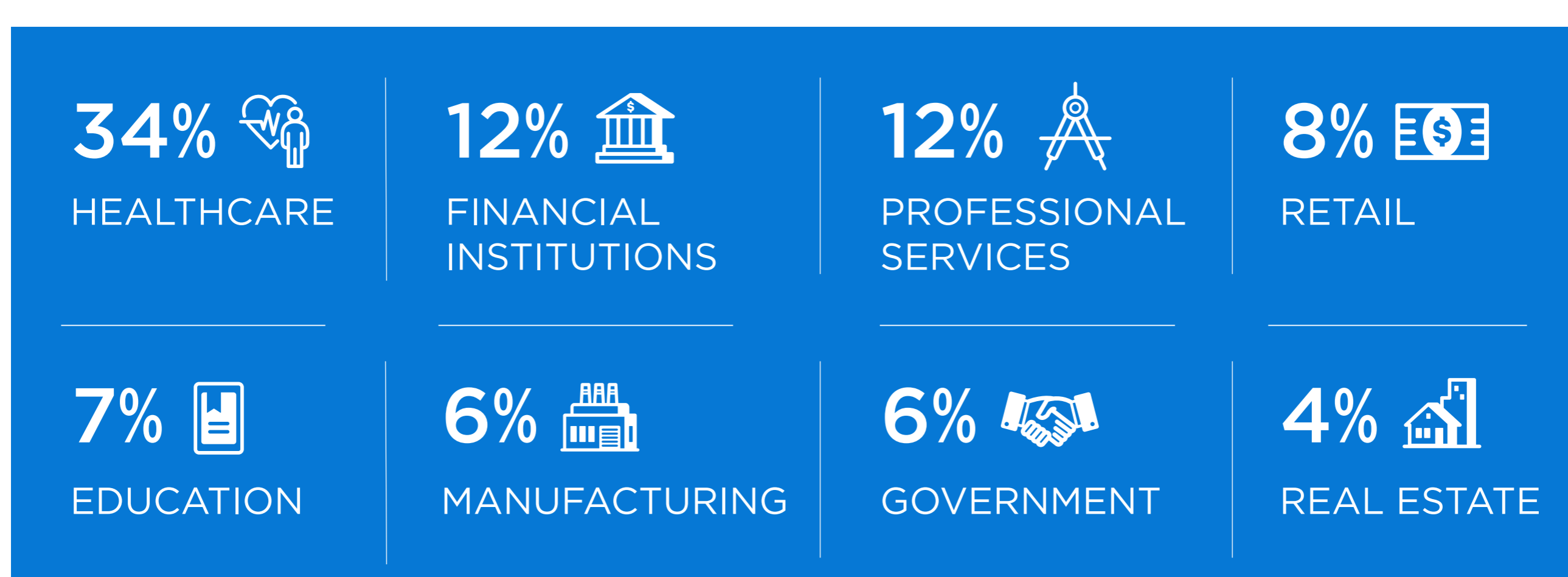
**Ransomware** = Malware that denies you access to your own computer system until you pay a ransom to unlock it.



### WHO IS AFFECTED?

Small to mid-size businesses.<sup>2</sup>

### IN WHICH INDUSTRIES? <sup>3</sup>



### WHERE?

Ransomware is happening everywhere.<sup>4</sup>  
The U.S. is disproportionately targeted.\*



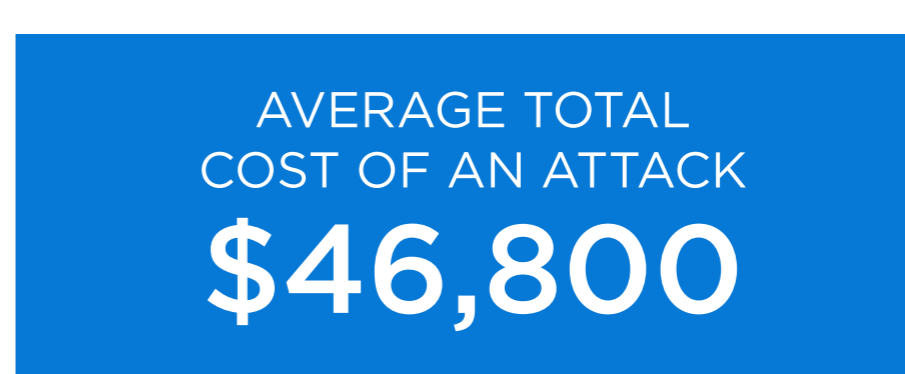
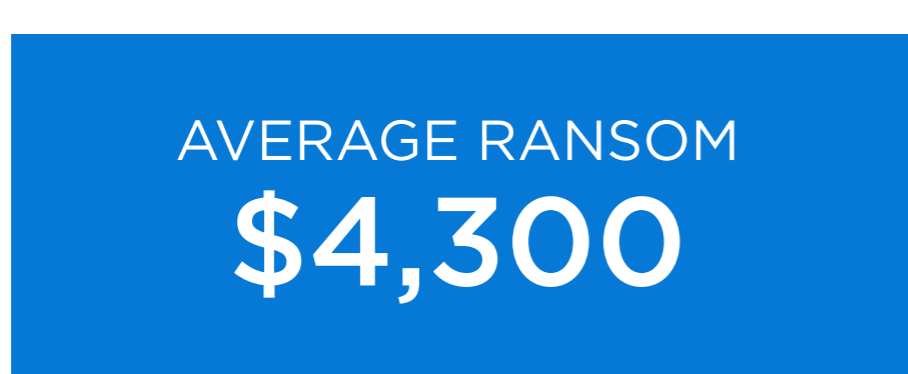
\*2018 stats

## Now here's how to understand it.

How often is it happening? In 2018, there were **206M global ransomware attacks** — an 11% year-over-year increase.<sup>5</sup>

### WHAT ARE THE COSTS?

Business expenses associated with ransomware attacks are **10x more costly** than the ransom demand.<sup>6</sup>



### HOW DO BUSINESSES GET INFECTED?

Ransomware is most commonly spread through:



PHISHING EMAIL



DRIVE-BY DOWNLOADING



FILE ENCRYPTION

## [Finally,] here's what you need to mitigate it.

Hackers most often penetrate known vulnerabilities making ransomware preventable. **Here's how:**<sup>7</sup>

**1**

#### EMPLOYEE TRAINING

Teach employees not to provide personal or critical company information via email, phone call, text message or instant message.

**2**

#### NETWORK BACK UP

Perform regular and automated network back-ups. Restoration of files from a backup is the fastest way to regain your data.

**3**

#### EMPLOY RELEVANT SOFTWARE

Fake software is out there - use reputable antivirus software and a firewall. Employ content scanning and filtering on your mail servers to scan inbound e-mails for known threats.

**4**

#### STAY UP-TO-DATE WITH SOFTWARE UPDATES

Make sure all systems and software are up-to-date with relevant patches. Exploit kits hosted on compromised websites are commonly used to spread malware.

Contact your HUB Cyber Risk expert for more information about instituting best practices across your business, and insuring your cyber risk.

[hubinternational.com](http://hubinternational.com)

<sup>1</sup> <https://www.cpomagazine.com/cyber-security/ransomware-attacks-ramping-up-in-2018-showing-no-signs-of-stopping/>

<sup>2</sup> <https://www.beazley.com/Documents/2019/beazley-breach-briefing-2019.pdf>

<sup>3</sup> <https://www.beazley.com/Documents/2019/beazley-breach-briefing-2019.pdf>

<sup>4</sup> <https://www.sonicwall.com/news/annual-sonicwall-cyber-threat-report-details-rise-in-worldwide-targeted-attacks/>

<sup>5</sup> <https://www.sonicwall.com/news/annual-sonicwall-cyber-threat-report-details-rise-in-worldwide-targeted-attacks/>

<sup>6</sup> <https://www.cpomagazine.com/cyber-security/ransomware-attacks-ramping-up-in-2018-showing-no-signs-of-stopping/>

<sup>7</sup> <https://us.norton.com/internetsecurity-malware-7-tips-to-prevent-ransomware.html>