38th Annual Non-Profit Organizations Institute
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Practical Issues around Data Protection

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Cheryl M. Burtzel

Partner, Cybersecurity and Data Privacy
Spencer Fane LLP

SpencerFane

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Cybersecurity is no longer just an IT issue—it is an overall business risk issue.

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The Real Threats

Easily Avoidable Incidents

91% in 2015

91% in 2016

93% in 2017

OTA
Online Trust Alliance

2016 Data Breach Investigations Report

- 63% confirmed breaches from weak, default, or stolen passwords

- Data is lost over 100x more than stolen

- Phishing used most to install malware

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Downtime from a Ransomware Attack is still the most Dangerous Complication

Average Days of Downtime

19

+19% from Q2 2020

Source: https://www.coveware.com/blog/q3-2020-ransomware-marketplace-report

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Most Common Causes & Solutions

RDP Access	• This is random – scanning web for Internet facing RDP access • Virtual Private Network (VPN) with Multifactor Authentication (MFA)
Phishing	• Email phishing tool • Workforce training and simulated phishing
Unpatched / Outdated Software	• Install patches timely • No unsupported software
Passwords	• Multifactor Authentication (MFA) • Longer passphrases
Backups, Backups, Backups!	• 3-2-1 Backup Process • Something comparable – you may end up with only your offline backup

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Most Common Causes

Ransomware Attacks by Methods, Victims size, and Complexity
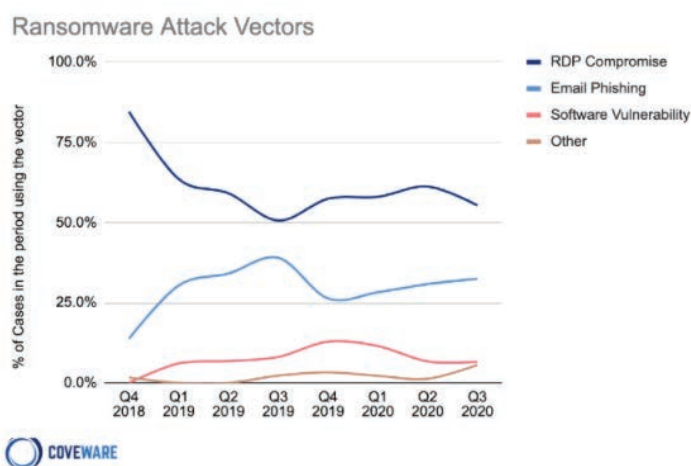
Ransomware attack vectors: RDP compromise, email phishing, software vulnerability, and others.

Source: https://www.coveware.com/blog/q3-2020-ransomware-marketplace-report

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Title search: Practical Issues around Data Protection

Also available as part of the eCourse
[Cybersecurity During a Pandemic: What To Do Help Protect Your Nonprofit Organization](#)

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"Practical Issues around Data Protection"