

Cybersecurity Update for University Senate

How Does a CIO Define High Risk?

“The Internet”

The Problem: Significant Cyber Attacks in 2021

Cyber Attacks

- **From Touro College, Illinois' Compilation (10 June 2021)**
 - Colonial Pipeline
 - Brenntag – Chemical Distribution Co.
 - Acer – Computer Manufacturer
 - JBS Foods
 - Quanta – Computer Manufacturer
 - NBA – Houston Rockets
 - AXA - Insurance
- **U.S. State Department (Security (blog) and Reuters)**
- **Universities**
 - Howard (NYT, 7 Sept)
 - UC Boulder (Denver Post, 25 Oct)
- **And, of course, Facebook (multiple sources, April '21)**

The Facts and Figures

- **Cognyte CTI Research Group (8 Aug 2021)**
 - Ransomware attacks in all of 2020 = 1,112
 - Ransomware attacks in first half of 2021 = 1,097
 - 1,097 Victims
 - 66 Countries
 - 18 Industries
 - 54.9% of victims were in the U.S. (603)
- **AFCEA (Rob Sobers, 1 Sept 2021)**
 - Malicious emails up 600% (ABC News)
 - 1 in 6,000 emails contain suspicious URLs (Fortinet, 2020)
 - Cybereason Surveyed 1,263 companies
 - 80% who paid a ransom got hit again
 - 46% got data back but the data was corrupted
 - **BlueYoyant, 2021 Report**
 - Ransomware attacks against Higher Ed up 100% since 2019
 - Since 2020, 1,681 Higher Ed facilities hit by 84 attacks

What Does All This Mean to Auburn

- Real Dollars and Cents Impact on Auburn's Cyber Insurance Policy
 - 173% of FY 20 Premium - \$140K to \$242K
 - 50% cut in coverage - \$10M to \$5M
 - 400% increase in deductible - \$250K to \$1M

The Feds & Their Requirements...

- **NIST 800-171**
- **NIST 800-53**
- **Cybersecurity Maturity Model Certification V2 (CMMC)**
 - Notified of V2 changes on 4 November
 - Requires additional Federal clarification
 - OVPRED (Dr. Weyhenmeyer) will provide an update early next year

Don't Let Your Guard Down

For Information on How to Protect Your Work
and Your Family

[OIT Cybersecurity Center](#)

Or

<https://sites.auburn.edu/admin/oit/CyberSecurityCenter/Pages/CSHome.aspx>