



CYBERSECURITY IN K-12 EDUCATION



Cybersecurity Weaknesses

Application Security
Endpoint Security
Patching Cadence
Network Security³

Districts face an intimidating assortment of cybersecurity threats.⁶ Big-city school districts say that protecting their K-12 systems and implementing formal measures and policies on password-management are on the rise, in comparison to their rural counterparts.¹

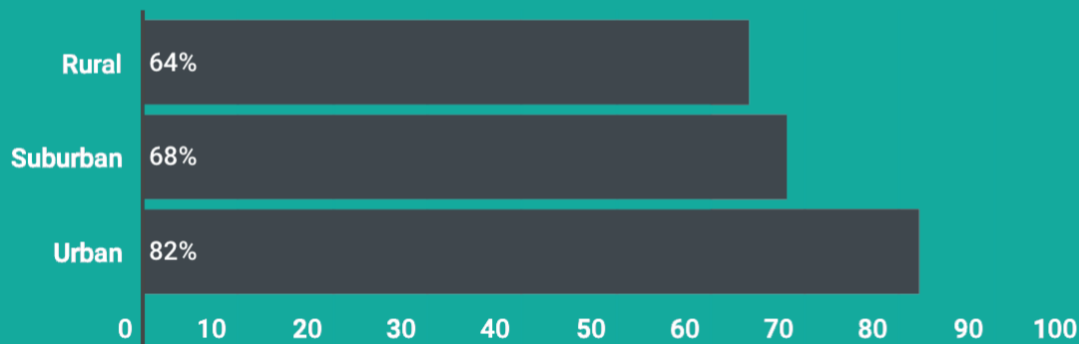
Low budgets and the **IT staff structure** are creating a poor cybersecurity environment³

22%

Experienced a breach what resulted in operation disruption or loss of data in 2018²

The Growing Importance of Student Data Privacy & Security¹

By Locale



As attacks increase and evolve, schools underestimate the importance of monitoring and protect their networks³

32%

Say student-data privacy and security is **NOT** more important this year than last year¹



35%

of data breaches were a result of human error⁵

80%

of hacking breaches used stolen credentials⁵



Out of 17 Major Industries

The education industry ranked last in cybersecurity³

Cybersecurity Threats

Software Errors
Social Engineering Attacks
Inadequately Secured Email Credentials⁵



6 Steps for Preventing and Cleaning Up Cyberattacks⁶

1. Determine all of the systems that need to be protected the most, and build cyber protections from there
2. Train and retrain your staff
3. Consider restricting administrative access
4. Have an emergency response plan in place for a cyberattack
5. Monitor your networks
6. Set clear expectations for tech and education companies

Sources:

<https://www.edweek.org/ew/articles/technology/2019/03/20/rural-school-districts-lag-behind-in-cybersecurity.html>¹
CDE Spotlight on Higher Education Cybersecurity²
<https://edscoop.com/education-ranked-worst-at-cybersecurity-out-of-17-major-industries/>³
<https://www.cybintsolutions.com/industries-likely-to-get-hacked/>⁴
<https://edscoop.com/educations-openness-a-unique-security-challenge-verizon-says-in-data-breach-report/>⁵



7311 West 132nd Street, Suite 305
Overland Park, KS 66213

www.foresite.com

1 Hartfield Blvd, Suite 300
East Windsor, CT 06088

+1-800-940-4699
+44-800-358-4915

A8 Ively Road, Farnborough
Hampshire, GU14 0LX UK

info@foresite.com