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THE STATE OF SECURITY IN STATE & LOCAL GOVERNMENT

Staying one step ahead of the growing cyberthreats

NO AGENCY IS IMMUNE

- Virginia experienced 76 million cyberattacks in 2016[1]
- St. Louis Public Library was hit with ransomware, demanding $35,000 in Bitcoin[2]
- Cook County, Chicago was a victim of the WannaCry ransomware attack[3]
- Bingham County, Idaho paid $3,000 in ransomware to restore its servers[4]

A cyberattack can be a political statement — Hacking groups targeted Arizona State Police after a controversial immigration bill and Howard County, MD was hacked with pro-Islamic State messages in 2017.[5][6]

DRAMATIC INCREASE IN CYBERATTACKS

35% Web application attacks grew by 35% between Q1 2016 and Q1 2017[7]

The FBI says ransomware cost U.S. taxpayers **$1 billion** during 2016[8]

Public sector agencies experienced **137%** more cyberattacks over the last few years[9]

Ransomware at all levels of government tripled between 2015 and 2016[10]

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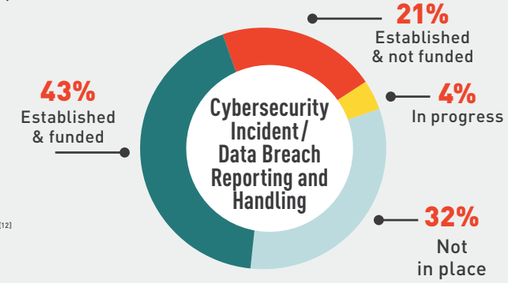
HOW STATES ARE COMBATING CYBERTHREATS

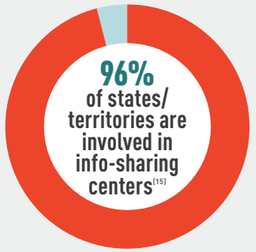
"State and local governments face unique cybersecurity threats that can endanger critical infrastructure, as well as residents' sensitive personal and financial data."—*Sen. Gary Peters (D-Mich.)*

The Good News:
More States Take Cyberthreats Seriously

- **40%** have established CISOs or equivalent roles[11]
- **38%** describe their cyber initiative as mature[12]
- **27%** have state-level cybersecurity programs[13]



Source: Deloitte-NASCIO study[14]



Collaborate to Battle Cyberthreats

- State and Local Cyber Protection Act would require federal government to help protect state and local government agencies[16]
- National Governors Association's Meet the Threat initiative helps states tackle cybersecurity threats head-on[17]

INNOVATION IN ACTION

Alabama has standards in alignment with NIST Risk Management Framework and centralized governance, risk, and compliance[18]

Colorado set up "Securing Colorado" program that led to 48% reduction in risk over two years[19]

Illinois is developing a "cyber disruption strategy" aimed at responding to and minimizing the impact of a significant cyber incident[20]

Explore solutions at: **akamai.com/publicsector**

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[1] https://statetechmagazine.com/article/2017/04/nascio-midyear-2017-state-leaders-meet-talk-security-and-innovation [2] http://money.cnn.com/2017/01/19/technology/st-louis-public-library-hack/index.html [3] http://depauliaonline.com/2017/05/21/global-cyber-attack-touches-cook-county/ [4] https://www.eastidahonews.com/2017/03/bingham-county-pays-ransom-release-encrypted-servers/ [5] http://www.govertid.com/article/2321164/lizzie_hacks_arizona_state_police.html [6] http://www.baltimoresun.com/news/maryland/bs-md-howard-website-hack-20170625-story.html [7] https://www.akamai.com/us/en/multimedia/documents/state-of-the-internet/q1-2017-state-of-the-internet-security-report.pdf [8] http://www.nbcnews.com/tech/security/ransomware-now-billion-dollar-year-crime-growing-n704646 [9] http://www.cyberriskinsurancefourm.com/content/pwc-global-state-information-security-survey-2016-report [10] https://info.bitsightttech.com/bitsight-insights-ransomware

[11] https://www.nascio.org/Portals/0/Publications/Documents/2016/2016-Deloitte-NASCIO-Cybersecurity-Study.pdf [12] https://fcw.com/pages/hpsp/hpsp-10.aspx [13] https://www.nascio.org/Portals/0/Publications/Documents/2016/2016-Deloitte-NASCIO-Cybersecurity-Study.pdf [14] https://www.nascio.org/Portals/0/Publications/Documents/2016/2016-Deloitte-NASCIO-Cybersecurity-Study.pdf [15] https://www.nga.org/cms/home/news-room/news-releases/2015---news-releases/col2-content/fusion-centers-play-leading-role.html [16] https://www.congress.gov/bill/115th-congress/senate-bill/412/text [17] https://www.nga.org/cms/home/col2-content/content-list/features-list-revised/content-referenced0/nga-chair-terry-mcauliffe.html [18] http://cybersecurity.alabama.gov/documents/Standard_66251_Server_Security.pdf [19] https://data.colorado.gov/State/Strategic-Plan-Secure-Colorado/m7hs-7343 [20] https://www2.illinois.gov/sites/doit/Strategy/Cybersecurity/Documents/CyberSecurity-Strategy-2017-2019.pdf