

Penetration testing

Issue

Targeted attacks by skilled malicious hackers can cripple operations at healthcare organizations, expose sensitive patient data, and put patient lives at risk. With hacking, phishing, and other cyberthreats increasing, healthcare organizations are incorporating more rigorous methods to protect their data, systems, and operations from attacks. Yet a recent study found only 37 percent of healthcare organizations perform penetration testing annually and only 20 percent conduct penetration testing more often than once per year. HIMSS researchers advise penetration testing should be done frequently and regularly.¹



Risk landscape

\$380

- Average cost per stolen or lost record for healthcare organizations due to a data breach²



75%

- Healthcare organizations experiencing a significant cybersecurity incident in the past 12 months³



20%

- Healthcare organizations conducting penetration testing more than once a year⁴



¹ "2018 HIMSS Cybersecurity Survey," Healthcare Information and Management Systems Society, <http://www.himss.org/2018-himss-cybersecurity-survey>

² "2017 Cost of Data Breach Study," Ponemon Institute LLC, <https://www.ponemon.org/blog/2017-cost-of-data-breach-study-united-states>

³ "2018 HIMSS Cybersecurity Survey," Healthcare Information and Management Systems Society, <http://www.himss.org/2018-himss-cybersecurity-survey>

⁴ Ibid.

Action

Regular penetration testing has proven critical to improving cybersecurity in healthcare organizations. Penetration testing provides a unique perspective into the security maturity of an organization on multiple levels. Crowe cybersecurity professionals conduct penetration testing by using the same tools and techniques as those used by the hacking community. Our penetration testers can expose the critical vulnerabilities in an organization's networks and help to demonstrate impact. Our comprehensive penetration testing solution evaluates risks from social engineering, lateral movement, denial of service, advanced persistent threats, mobile devices, and web applications.



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