

Protecting patient privacy and data

Most Wired hospitals are more prepared than their counterparts for security breaches and employ more advanced security tools to protect patient data. Ninety-three percent of Most Wired hospitals employ intrusion detection systems compared with 77 percent of the total respondents. "Half of risk mitigation is knowing what is going on in your enterprise," says Mac McMillan, CEO, CynergisTek Inc., and former chair of a Healthcare Information and Management Systems Society's security working group. "Most Wired hospitals are implementing more sophisticated IT security architectures and are better informed." Many organizations still do not perform risk analyses and penetration testing on a regular basis. "What it tells us is that we still have relatively immature risk management for the most part in the industry," McMillan says.

The systematic buildup of information security capabilities took five years at Atlantic Health System, Morristown, N.J. "Starting with a regular auditing and assessment program, we established a vulnerability baseline," says Linda Reed, vice president and CIO. "We layered upon that intrusion detection, device encryption, mobile media encryption, PHI detection, password and access parameters, cyber liability insurance, and annual staff education requirements. While tools are important, they only do half the job. The other half is people and instilling a sense of awareness, vigilance and importance in protecting personal health information."

Annual testing and risk assessments

Risk analysis to identify compliance gaps & security vulnerabilities



Penetration testing to identify security vulnerabilities



Wireless security assessment



Public Internet uses/social media risk assessment



Source: Hospitals & Health Networks' Most Wired Survey, 2012

Security measures hospitals use for authorized users

	2012 All	2012 Most Wired
Access control (biometrics, key cards, smart cards)	85%	94%
Data loss prevention.....	58	70
Identity management	54	67
Intrusion detection systems.....	77	93
Physical security incident management	64	85
PKI/digital signature systems	50	69
Privacy audit systems.....	68	82
Security incident event management.....	66	81
Single sign-on.....	62	76
Two-factor authentication.....	54	71

Source: Hospitals & Health Networks' Most Wired Survey, 2012

The 2012 Innovator Awards



The 2012 Innovator Awards Winners

Avera | Sioux Falls, S.D. | www.avera.org
Program: eEmergency

Cullman (Ala.) Regional Medical Center | www.crmhospital.com
Program: Surgery Tracking Board Initiative

UPMC Mercy | Pittsburgh | www.upmc.com/locations/hospitals/mercy
Program: Innovative Use of Smart Phones in the Clinical Setting

The 2012 Innovator Awards Finalists

Lehigh Valley Health Network | Allentown, Pa. | www.lvh.org
Program: Digital Pens for Emergency Care at the Raceway

Texas Health Resources | Arlington | www.texashealth.org
Program: Using Technology to Reduce Catheter-Associated Urinary Tract Infections

University of Utah Health Care | Salt Lake City | <http://healthcare.utah.edu/hospital>
Program: Electronic Health Records Bridge