

Editorial

Healthcare Facilities and Cyber Security Threats

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A B S T R A C T

In recent years, healthcare institutions have become more vulnerable to cyberattacks, which risk day-to-day operations and result in the leakage of critical patient data. Doctors, paramedics, and data entry operators at hospitals are not fully aware of cyber risks and the safety of patients' digital information. Due to the high demand for patient information and outdated computer technology, cybercrime is still prevalent. In November 2022, after a huge cyber attack, one of our country's premier medical institutes had substantial disruptions in its regular operations, such as patient registration, handling of lab data, and so on. It corrupted data and files on the hospital's primary and backup data systems. Later, the hospital went into the paper mode for more than a week, handling four million patients' data manually. The likely reasons for the rise in cyber attacks at medical centres are the ease of access to many medical devices, fact that unethical hackers generate a lot of money in exchange for access to protected medical information, increase in number of cyber attack vectors, lack of understanding of cyber hazards among healthcare workers, sheer quantity of gadgets used in hospitals, and so on. In order to keep patient data safe, healthcare companies must take the necessary steps. It is critical to set a budget and invest in the best option for protecting patient data, educate hospital employees about the new dangers, and update the computers in medical facilities. We have to fight together in all possible ways to safeguard all our computer-based devices at healthcare facilities.