Protecting health information is critical, yet the security implications of healthcare workers’ IT usage remain largely unexamined. This article surveys the IT-enabled healthcare ecosystem and its emerging mobility and security issues—from electronic health record (EHR) implementation to bring your own device (BYOD) practices.

Repeated cyberattacks and a lack of effective law enforcement have some nations seeking new ways to prevent such exploits. Countercyberattacks are illegal in most nations, but what if they were legal? Would they help? Or would they jeopardize the state’s authority and legitimacy?

Third-party code inclusion is rampant, potentially exposing sensitive data to attackers. Protected Web components can keep private data safe from opportunistic attacks by hiding static data in the Document Object Model (DOM) and isolating sensitive interactive elements within a Web component.
Developers who aim to write energy-efficient software require both a new mindset and models and tools that can measure and reduce the software effect on hardware energy consumption. The authors’ conceptual framework provides a unifying view of strategies, models, and tools.

An ISO/IEEE 11073 personal health device system enables legacy healthcare devices to transmit vital sign data to an application hosting device on a network. The proposed architecture is composed of the x73-PHD gateway, x73-PHD adapter, and legacy healthcare devices.