

# Is Your ECG Data Secure?

ELI RESTING ELECTROCARDIOGRAPHS



BURDICK  **Mortara**  **QUINTON**

*The Health Insurance Portability and Accountability Act of 1996 (HIPAA) requires that appropriate administrative, technical, and physical safeguards be implemented to protect the privacy and security of sensitive information.*

Data security is a growing concern for healthcare organizations, and for good reason! When medical records are breached, healthcare providers suffer damage to their reputation and character, loss of patient trust, and often face severe financial repercussions. Many CIOs now consider data security as one of the most critical issues they face in healthcare today.

This threat is very real, regardless of a healthcare organization's size, affiliation or prestige. In fact, during September of 2014 a major healthcare provider reported that the medical records of 20,000 emergency room patients had been publicly accessible online for nearly a year<sup>1</sup>. In another report, the U.S. Department of Health and Human Services stated that there were 207 reports of breaches involving 500 or more healthcare professionals in 2010 alone, and these breaches affected more than 5.4 million individuals<sup>2</sup>.



*Accountability Act of 1996 (HIPAA) mandates  
and physical safeguards be used to protect  
Protected Health Information (PHI).*

Mortara recognizes the importance of effective data security when it comes to patient health records. We understand that medical devices such as electrocardiographs should be subjected to the same security regulations as healthcare information systems when it comes to Protected Health Information (PHI). In order to assist healthcare organizations in fulfilling their security requirements with regard to PHI, we are pleased to introduce additional safeguard features across our newest ELI™ resting electrocardiographs.

## **ESSENTIAL SECURITY FEATURES**

### **Data Encryption**

All data transferred between the ELI electrocardiograph and the Electronic Health Record (EHR) system is encrypted (AES 256 bit).

### **Device Access Control**

- User level authentication (user name and password) is required to operate the electrocardiograph, except when a STAT ECG is needed.
- Integrates with a facility's Lightweight Distributed Access Protocol (LDAP) or Active Directory (AD) to ensure only authorized users have permissions for use.
- User roles are definable, with personnel assigned one of three levels of privileges: Administrator, Technician or Guest.

<sup>1</sup>Sack, K. (2011, September 8). Patient data posted online in major breach of privacy, The New York Times. Retrieved from <http://www.nytimes.com>

<sup>2</sup>U.S. Department of Health and Human Services Office for Civil Rights. 2009 - 2010 Annual Report to Congress on Breaches of Unsecured Protected Health Information. Retrieved from <http://www.hhs.gov/ocr/privacy/hipaa/administrative/breachnotificationrule/breachrept.pdf>

Burdick®, ELI™, Mortara® and Quinton® are trademarks or registered trademarks of Mortara Instrument, Inc.

2015-12

9513-000-19-ENG Rev 1

**MORTARA INSTRUMENT, INC.**

7865 North 86th Street  
Milwaukee, WI 53224  
U.S.A.

Tel: 414.354.1600  
Tel: 800.231.7437  
Service: 888.MORTARA  
Fax: 414.354.4760