Policy and Procedure:
Encryption of Protected Health Information (PHI)

HITECH Policy  164.312

Scope
This policy applies to the College of Dentistry's protocol to encrypt Protected Health Information (PHI).

Policy
The College of Dentistry encryption policy is that all collegiate purchased desktops, laptops, flash drives, portable hard drives and all other mobile devices and peripherals, regardless if the device contains PHI or not must be encrypted. This includes all desktop computers purchased with University funds and used at home.

Personal devices should not be used to store PHI data. This includes desktops, laptops, cell phones, flash drives, portable hard drives and all other mobile devices and peripherals. If an authorized user (faculty, staff or student) elects to place PHI data on a personally owned device, they are responsible for its security, confidentiality, and integrity and ensures that the device has been properly encrypted. The user is personally responsible for any breaches that occur as a result of his/her noncompliance of this policy.

In addition to encrypting devices, all laptop and home computers that are used to access University resources, the user accounts must have a password that meets the University password policy on complexity and length. A screensaver must also be enabled and wake up from it must require a password. All smartphones and tablets, whether owned by the University or by you personally, that are used to access University email, must be password protected.

All new University purchased devices will be encrypted prior to deployment to the end user. Encryption for personal devices that fall under this policy is the responsibility of the device owner. The links below will help you encrypt your device. If you need assistance encrypting your device, contact the Dentistry Help Desk.

Types of Encryption used:
1. All Windows devices will be encrypted using Windows Bitlocker encryption using the University MBAM process.
2. All Mac devices will be encrypted using FileVault.
3. If these encryption methods do not work on a specific device, we will try to encrypt it with another suitable application.

4. If a device cannot be encrypted for technical reasons, then you cannot store any collegiate data on it, including PHI data. There will be no exceptions to this rule.

Encryption keys will be managed and protected by the following:

1. Recovery keys for University owned computers (desktops, laptops, etc.) will be stored in the MBAM server supported by ITS.
2. Recovery keys for University owned flash drives will be stored on the College of Dentistry share drive.
3. Recovery keys for personal devices are the responsibility of the device owner. If a device password and recovery key are lost, the data on the device is permanently lost. The only way the device can be used again is to reformat it, which wipes the device clean. Never store your only copy of important data on a flash or removable drive.

Anyone found not in compliance with this policy is subject penalties levied by either the College of Dentistry, the Federal Government or both. If the violation results in a breach of PHI, the College of Dentistry’s HIPAA penalty grid will be used. Federal fines are at the discretion of the Government. If the violation does not result in a breach but is a violation of policy, then reprimand will follow University Human Recourses progressive discipline guidelines, which includes termination.

Any lost or stolen device must immediately be reported to the Technology and Media Services Director and a Lost or stolen device form must be filled out.

Resources
164.312 Technical safeguards

University of Iowa Enterprise Password Policy
http://its.uiowa.edu/hawkid/password

Bitlocker Overview

How to encrypt your Windows device using Bitlocker
https://support.microsoft.com/en-us/help/4028713/windows-10-turn-on-device-encryption

FileVault overview and how to encrypt your device using FileVault
http://support.apple.com/kb/ht4790