Section 3: Week 7: Mobile Device Management

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# Mobile Device Management

# Introduction

## How Did We Get Here

## Privacy Management in Cloud and Mobile

# Legal Mandates

## GDPR

European regulation creates the legislative teeth necessary to ensure that businesses take customer privacy seriously. These include mandatory fines for negligence that violates the public trust and states that individuals are the owner of data associated with them

## SOX

In 2002, several accounting scandals rocked the financial world (e.g., WorldCom and Enron), resulting in regulation to create audit records and an emphasis on internal controls.

## HIPAA and HITECH

In 1996, the Health Insurance Portability and Accountability Act, came into existence to protect patient confidentiality and modernize the health care information flow. In 2009, the Health Information Technology for Economic and Clinical Health Act removes loop-holes in HIPAA compliance and forces medical facilities to adopt Electronic Medical Records (EMR). In several articles, mentions of HIPAA are often accompanying by HITECH.

## Omnibus Rule

In 2014, an amendment to the HITECH legislation expanded the definition of Personal Health Information (PHI) by protecting individuals’ privacy for fifty years after being deceased. There are exceptions to this rule, such as a request from the person’s caregiver, provided a written request for confidentiality does not exist. Other exceptions allow release for insurance billing and payment scenarios.

## FERPA

In 1974, the Family Education Rights and Privacy Act gave parents the ability to (1) access; (2) amend; and (3) limit disclosure -- of their child’s educational data. These controls cover any student’s Personally Identifiable Information (PII) and educational records.

According to Langlois (2014), these rules apply to any organization that accepts federal funds. She also notes that FERPA is the federal minimum bar, and places like Texas have state-level requirements that go further. When a school district violates FERPA, no penalizations exist outside of potentially losing its federal funding. However, the parents are free to file civil suits and seek damages caused by negligence and maliciousness.

# Risk Associated with Mobile Device Management

## Stolen Devices

## Mobile Malware and Vulnerabilities

## Advanced Threats

## User Behavior

# Building a framework around these issues

## How to address

## MDM Tooling Recommendation

## Mitigating Privacy Concerns

## Integrating with other Frameworks

# Conclusion