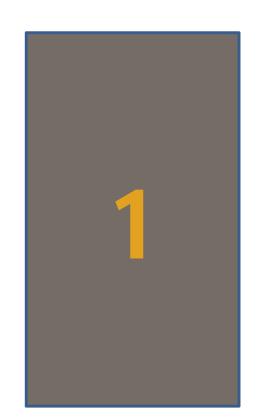
The Center for Education and Research in Information Assurance and Security



Motivation of Pharmacies to use Biometric Authentication

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Overview



The purpose of this research is to survey and interview pharmacists who had experienced biometric authenticators in a pharmacy setting and those who have not, to answer the question, "Why would pharmacists highly consider using traditional authentication systems than biometric systems despite the security issue of memorability?" Understanding the pharmacists' thoughts, motivations, influences, decisions, and attitudes of using biometric systems may identify possible variables to develop a theory.

Research Questions

- How do pharmacists describe their experience using passwords and physical objects as authenticators within a pharmacy?
- How do pharmacists describe their decision to implement a non-traditional authenticator within a pharmacy?
- How do pharmacists describe their experience using a biometric system authenticator within a pharmacy?
- How does biometric systems change these pharmacist's lives?

Study Environment

Research Sites

Pharmacy Classifications

Federal State **Privately Owned**

Survey Population

- Licensed pharmacists
- Registered pharmacists who possesses either a Pharm.D. degree or bachelor degree
- Pharmacy positions
 - First year licensed residents
 - Second year licensed residents
 - Temporary employed
 - Full time employed
 - Administrating pharmacists (e.g. supervisor, manager, owner, chief of pharmacy)

Pharmaceutical Supply Chain

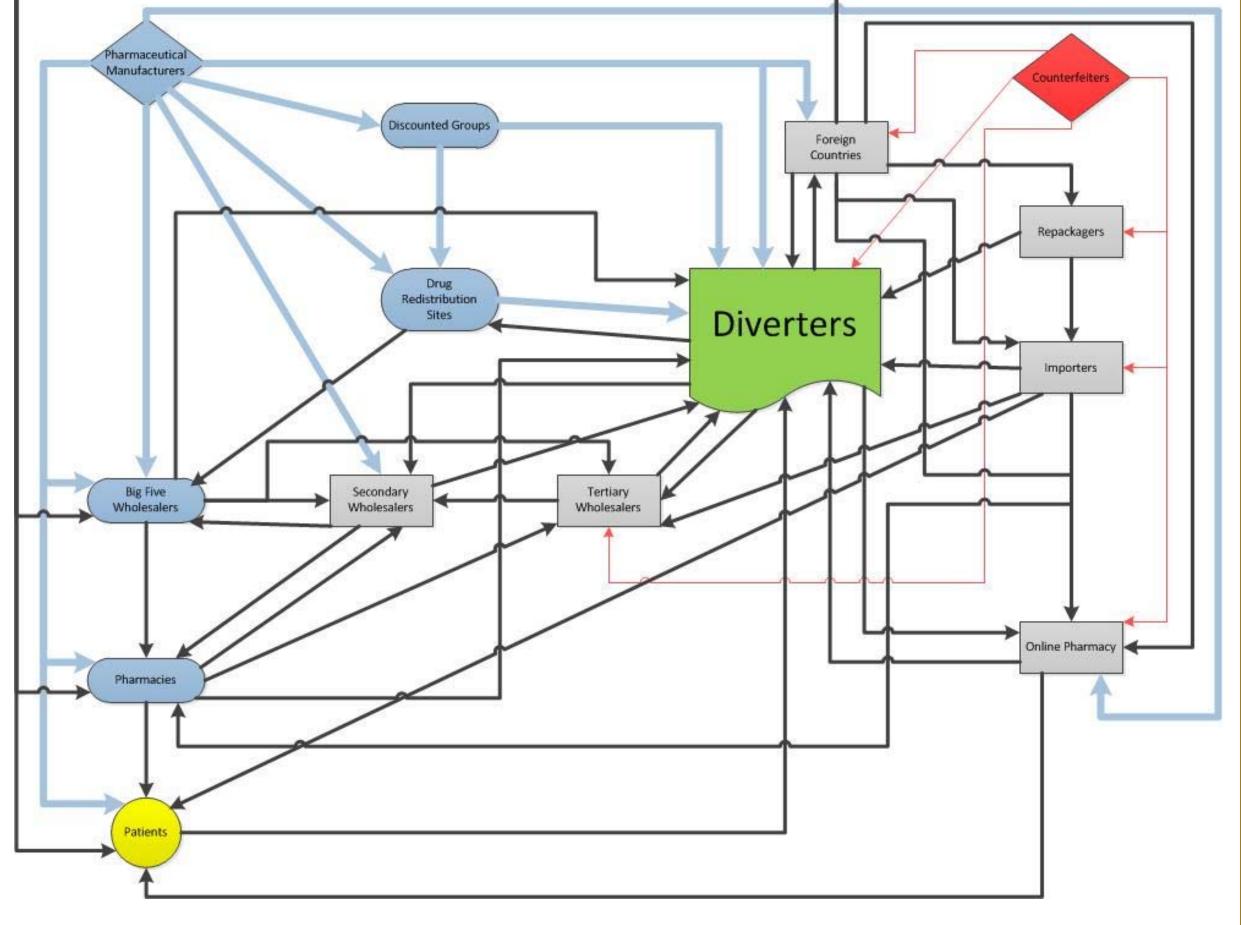


Figure 1. The model illustrates the relationships amongst the various institutions within the pharmaceutical supply chain. Adapted from "Counterfeit Drugs: Coming to a Pharmacy Near You," by W. Yankus, 2006, American Council on Science and Health, p. 6.

Supply Chain Symbols and Descriptions

and not substandard

substandard

and may or may not be

component within it

Grey market drugs 50% integrity

Black market drugs 1% integrity,

99% fake, and a small possibility of having some legitimate drug

Research Focus Starting point where drugs are created legitimate Starting point where drugs are created as counterfeits Legitimate institutions on the primary level of the supply chain Grey market institutions that are not on the primary level of the supply chain Diverters Big Five Wholesaler Legitimate drugs 100% integrity

Framework & Methodology



