VIGILANT

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OBJECTIVES

Automate labeling process

Enhance patient safety

Save time for greater patient care

Improve compliance

Anesthesia Syringe Labeling Solution

CASE STUDY

How Vigilant Reduced Pharmacy Lost Charges Using Barcode Syringe Labels

■ BACKGROUND

- **Lack of safeguard in OR:** no EMR checks, no pharmacy verification, no medication scanning
- **Medication waste:** drugs and vials are not properly documented or returned.
- **Task overload:** Anesthesiologists face high workload and time constraints due to multitasking

■ SOLUTION

UT Southwestern
Medical Center

Implemented Vigilant Solution to Improve Workflow and Reduce Lost Charges

■ INTRODUCTION

The study compared before and after pharmacy lost charges implementing Vigilant anesthesia labeling solution.

Besides, workflow changes reduced the time and task load that freed pharmacists, nurses, and anesthesiologists from redundancy.

■ FINDINGS

Vigilant approach to syringe labeling significantly increased compliance due to provider acceptance, which enabled UT-Southwestern to quickly adapt the workflow to include syringe label barcodes and scanners at the point of care

UT-Southwestern measured pre-implement finding an average of $10,795 per month of lost medication charges. After implementing Vigilant, the charges fell to $3,015 per month.

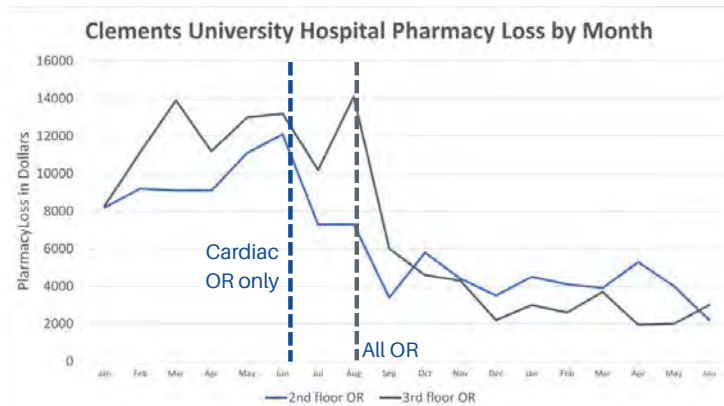Overall, Vigilant solution decreased medication lost charges by 70% increasing revenue for the hospital.

Figure 1: Pharmacy Loss Pre-Post Comparison

The main advantage of Vigilant is that it provided the means to cheaply print all the labels needed for the drugs needed for an entire case with a single ID badge scan. Given the ease of use to the provider, we have a very high compliance rate with labeling every syringe.

——Trent Bryson, MD

UT Southwestern Medical Center

■ WORKFLOW IMPROVEMENT

The traditional process for anesthesia documentation is characterized by inefficiencies and lack of compliance. As hospitals look to adopt charge on administration for all medications it is critically they reassess anesthesia medication processes.

Print labels sheet → Label syringe → Scan bar code → Document

Figure 2: Vigilant OR Drug Administration Workflow

Vigilant solution eliminated workflow outside of the OR, including pharmacy verification and all nurses administration process.

The requirement to hand write initials, date and time on every label is extremely manual and repetitive. While Vigilant solution can accelerate the labeling time by printing all labels needed with one button.

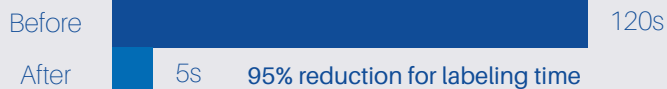|	
Before	120s
After	5s 95% reduction for labeling time

Figure 3: Time Saved for 10 Labels Pre-Post Comparison

The benefit of Vigilant extend beyond compliance and time saving. It increases safety with additional safeguards for patient and provider during the surgical case.

■ CONCLUSION

Vigilant Anesthesia Syringe Labeling Solution helps:

- Eliminate outside of OR workflow for pharmacists and nurses
- Avoid end of case task overload
- Labeling time saved by 78.85%
- Legibility of IV tubing labels improved by 75.93%
- Increase OR revenue
- Practice improved nurse satisfaction by 56.90%