



Nursing-Pharmacy Collaboration on Medication Reconciliation: A Novel Approach to Information Management

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THE PROBLEM

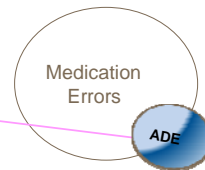
Adverse Drug Event (ADE): Harm caused by the use of a drug

- Preventable
- Non Preventable

Preventable ADEs

Yearly Impact in Hospitals

- Patients Affected 400,000
- Excess cost \$3,500,000,00



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The Issue

Method to decrease preventable ADEs

Medication Reconciliation

A process, occurring at transition in care, whereby medications received by the patient prior to care transition are considered when developing the next therapeutic regimen



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THE SOLUTION

Method to decrease preventable ADEs = Medication Reconciliation

Dedicated nurse-pharmacist team conducted medication reconciliation admission and discharge at a 1,000 bed academic tertiary care hospital



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THE SOLUTION

Out of 100 pts, 40 had ≥ 1 unintended discrepancies

Of those 40 (72%) had a discrepancy that could cause harm



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THE SOLUTION

Business case: Nurse-Pharmacist Team

Intervention Cost: \$32 per patient to avoid an adverse drug event

Each ADE projected to cost over \$4000.

Breakeven = Prevent one ADE in 100 patient encounters.



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STAKEHOLDERS

Interdisciplinary Nursing Quality Research Initiative

JOHNS HOPKINS MEDICINE

The Joint Commission
HELPING HEALTH CARE ORGANIZATIONS HELP PATIENTS

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FACILITATORS

Nurse-Pharmacy Team focus on national priorities.

| | | |
|--------------------------|---|---------------------------------|
| Patient Safety | <ul style="list-style-type: none"> Medication safety Medication reconciliation Risk identification | electronic home medication list |
| Care Coordination | <ul style="list-style-type: none"> Effective communication Hand-off | pager-box, discharge worksheet |
| Patient-Focus | <ul style="list-style-type: none"> Active patient involvement in care | patient education |

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BARRIERS

- Inpatient provider order entry lacked connectivity to outpatient information sources - community pharmacies
- Posthospital Transition Support

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NEXT STEPS

- Disseminate the Nurse-Pharmacist Model – The Joint Commission (TJC); Tool Kit; Annual Magnet Conference
- Partnerships-
 - Pharmacist and Nursing Organizations
 - Community Health Stakeholders
 - Pharmaceutical Companies

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ADVICE TO FUNDERS

- Partner with Researchers to Diffuse Findings
- Interdisciplinary Teams
- Economics of Adoption

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