



Patient Safety
MOVEMENT

Healthcare Organization Commitment

Contact Details

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Participants

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APSS

Have you reviewed the Patient Safety Movement Foundation's Actionable Patient Safety Solutions (APSS)?

Yes

What Patient Safety Challenge does your Commitment address?

Challenge 3A - Medication errors

Commitment Name

Medication Errors

How Many Hospitals Will This Commitment Represent?

1

Scorecard View Error

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Commitment Details

Commitment Summary

□ CPOE Drug dosing solutions: now we have already established system for IV pump and IV infusion rate prescribing, but not all IV medications are included in this system □ Pharmacist dispensing: LASA medications dispensing errors □ IV pump administration: wrong infusion rate set-up by nurse □ Controlled drug administration: Schedule 1~2 controlled drugs are stocked in nurse stations. Wrong preparation and administration were still occurred even with two nurses double check

Action Plan

(1) Develop smart IV Pump system 1. CPOE: Use standard prescription that contain standard concentration solutions, preparation method, infusion time, automatic calculation infusion rate. 2. Intelligent smart IV pump technology: the infusion rate in CPOE can be transmitted to IV pump through Wifi, to ensure the consistence of Rx and pump setting. Nurses only have to recheck the setting in pump, which can reduce the potential pump manual setting errors. 3. Taking chemotherapy drugs as a priority, and then focus on high alert medications. (2) Use smart cell indicator system in dispensing drawer for pharmacists: this system is developed by our hospital in 2018, and is used in emergency and inpatient pharmacy since 2019. Through this system, pharmacist can scan the barcode from Rx, then the corresponding cell in the drawer can be lighted up to indicate the correct medication for pharmacists. We hope implement this system in more pharmacy dispensing sites such as outpatient pharmacy, pediatric pharmacy, to avoid the dispensing errors. (3) Use smart controlled drug management system in all nursing stations which stocked with schedule 1-2 controlled medications: this system can replace the traditional key lock and paper work. We can use electronic lock system and data recording system to help nurses preparing controlled medications in stations. System can avoid the potential medication errors.

Impact Details

Lives Saved

Predicted Lives Spared Harm

1.0000000000000004

For reporting purposes, the number has been rounded up to the nearest whole number. Predicted Lives Spared Harm

2