

Assessing the Risks of Using Automation and Technology on Patient Safety



Objectives

1. Describe the risks of using available automation and technology to support safe and efficient use of medications.
2. Outline strategies that clinical pharmacists can use to minimize risks of using available automation and technology to support safe and efficient use of medications.
3. Outline strategies that pharmacy departments and healthcare organizations can use to minimize risks of using available automation and technology to support safe and efficient use of medications.



18 Infusion Pump Channels on One Patient With NO EMR Integration



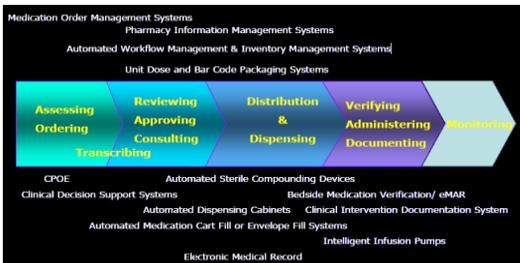
National Quality Forum HIT Critical Paths Presentation, April 20, 2012 – AAMI HITSI

Infusion Therapy is a Complex “Process”



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Technologies Involved in Medication Use Process



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Technology Used in the Hospital Setting

- EHR/EMR
- CPOE/CDSS
- BCMA
- Inventory Management
 - Carousels
 - Packagers
- ADCs
- Automated Anesthesia Carts
- Mobile devices
- Smart Pumps
- Medication Tracking
- Robotics
 - Delivery
 - Sterile Products pumps and compounders
- IV Workflow Management Software



Do technologies and automation systems make medication use systems safer?

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Workshop Facilitators

- Dr. Sumaya M Al Saadi AlYafei, RPh, PharmD, CMI Level 7, CACP Director for pharmacy, Heart Hospital, HMC
- Pamela R. Mills, BSc(Hons 1st Class), Dip Clin Pharm, Independent Prescriber, Doctorate of Professional Practice, Principal Pharmacist-Redesign NHS Ayrshire & Arran
- Yaw B. Owusu, PharmD, Clinical Assistant Professor, Qatar University College of Pharmacy
- Dr. Dan Rainkie, B.Sc(Hons), B.Sc(Pharm), ACPR, PharmD Clinical Lecturer, College of Pharmacy Qatar University, Doha, Qatar

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Our Workshop Format

- We offer four discussion groups in the room.
- Each participant should rotate between all four groups during this workshop.
- Each group session will last 15 minutes.
- Facilitators will record your thoughts and ideas and we will report out the major concerns and ideas at the end of this workshop.
- Group topics:
 - Smart pumps
 - Automated dispensing cabinets
 - Inpatient robotics
 - BCMA

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Thank you for participating in this workshop!

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