

Standardize 4 Safety Webinar Series

1. Background and purpose of the Standardize 4 Safety Initiative – Let's go back in time
2. A look at current and future S4S medication lists – Where are we now?
3. How the S4S lists are being evaluated – What does the data say?
4. Challenges with implementation of the S4S Initiative – Jumping over the hurdles
5. How to ensure successful implementation of the S4S initiative – Gather your tools
6. Implementation of the S4S Initiative at an Academic Medical Center – An adoption story



Background and purpose of the Standardize 4 Safety initiative – Let's go back in time

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ASHP and Bainbridge Health Collaboration

- Bainbridge Health
 - Organization focused using data from infusion devices to improve safety and drive standardization
 - A network of infusion pump data from >100 hospitals
- Goal of collaboration: to enhance the distribution, adoption, and sustainability of the Standardize 4 Safety Initiative

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Press Release

ASHP Innovation Center and Bainbridge Health Collaborate to Improve Patient Safety, Increase Use of Standardized Medication Concentrations in Health Systems



Learning Objective

- Outline the steps that have been taken to develop the S4S initiative and medication lists



Case example

Level 1 Trauma Center

- Heparin 25,000 units / 250 mL
- Final concentration: 100 units / mL



Patient transferred

Tertiary Care ICU

- Heparin 25,000 units / 500 mL
- Final concentration: 50 units / mL

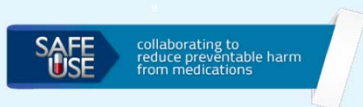


Background: Statement of the problem

- No national consensus for standard concentrations of IV medications
 - Continuous, intermittent, etc.
- Patients are transferred between patient care areas and locations
- IV medications have inherent potential for errors:
 - Compounding
 - Pump programming
 - Documentation
- Vulnerable patients are involved
 - Critically ill
 - Pediatric
 - Geriatric, neonate
- Weight categories, dosing units, and special administration (route other than IV)

Standardize 4 Safety

- First national, interprofessional effort to standardize medication concentrations to reduce errors and improve transitions of care
- Expert panels
 - Physicians, nurses, and pharmacists
- Process
- Funding received from the Food and Drug Administration (FDA) Safe Use Initiative



Standardize 4 Safety: Goals

- Goals:
 1. Identify nationwide expert interprofessional panels
 2. Create standards for:
 - Adult and pediatric continuous IV infusions
 - Adult and pediatric compounded oral liquid medications
 - IV intermittent infusions
 - PCA and epidural medications
 - Oral liquid standardized doses
 3. Disseminate the standards and assess adoption

“Representing the culmination of a multi-year, multidisciplinary effort to improve medication safety for children and adults nationwide.”

American Society of Health-System Pharmacists. (2020). Adult continuous infusion standards. www.ashp.org/-/media/assets/pharmacy-practice/s4s/docs/Adult-Infusion-Standards.pdf



Benefits of Standardization

Reduces operational variation
Enhances provider efficiency

Simplifies ordering
Fewer choices decrease provider uncertainty

Improves patient safety
More seamless transitions of care

Improves technology integration
Promotes use of formularies and drug libraries

Accelerates manufacturing

- Streamlines production
- Allows for formulation of premixed medications

Ensures consistency during transitions of care
Reduces potential for dosing errors

Questions & Feedback

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www.ashp.org/standardize4safety