

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



Implementing Standardize 4 Safety Standards in Your Institution

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ASHP and Bainbridge Health Collaboration

- Goal of collaboration: to enhance the distribution, adoption, and sustainability of the Standardize 4 Safety Initiative
- Bainbridge Health unlocks the full value of intravenous medication data from infusion pumps to improve safety, drive standardization, and scale scarce clinical resources

1/13/2022

Press Release

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



Learning Objective

- Use implementation science principles for an effective adoption of Standardize 4 Safety concentrations

Credits: ASHP Medication Safety S4S workgroup toolkit



The Science of Implementation

- Let it happen
 - Help it happen
- ➔ 14% adoption after 17-20 years
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- Implementation Science
- ➔ 80% adoption after 3 years

Livet et.al. Implementation Science to Advance Care Delivery: A Primer for Pharmacists and Other Health Professionals. *Pharmacotherapy* 2018;38(5):490–502.



Pre-implementation Work

Establish Purpose

- Improve patient safety by reducing the risk of medication error



Pre-implementation Work: Self assessment



■ Needs

- Do you have medication error reports related to medication concentrations supporting the need

■ Resources

- What is needed to implement S4S: Data, related information, providers, technologies, committees

Standard concentration lists/policies

Hospital formulary

Purchasing information

Prescribing records

Compounding records (master formula, compounding data)

Smart pump library

Medication Safety Committee

Patient Safety Committee

Pump Governance Committee

Sterile Compounding Committee

Pharmacy and Therapeutics Committee

Anesthesia and/or Perioperative Services



Pre-implementation work: Self assessment



■ Fit

- How does it align with mission, vision, goals, values, strategic plan and initiatives

■ Capacity

- Ability to and time to implement based on workload, competing priorities
- Identify and recruit supportive stakeholders

■ Readiness

- Internal
 - Openness and readiness for change
- External
 - Joint Commission Medication Management Standards
 - Best Practices



Implementation Planning

- Standard concentrations gap analysis
 - ASHP Standardize 4 Safety
- Convene Standardize 4 Safety workgroup
 - Important stakeholders
 - Oversight committee(s)
- Develop an Implementation Plan



Organization Specifics	Assessment	Action
Organizational structure	Key practitioners to consult for the specific med/concentration? What formulary changes are needed?	Identify policies/practices impacted Request changes to formulary Align smart pump libraries and EHR/CPOE
Procurement	What is purchased?	Consult with purchasing/buyers
Prescribing	How is it ordered?	Update CPOE entries and order sets
Compounding	How is it made?	Update master formula and compounding records
Administering	How is it given?	Review and approve with pump governance group Implement pump library changes
Education	Who is affected?	Notify prescribers, nurses, and pharmacy staff of changes Update policies/procedures/formulary
Compliance/Quality Assurance	Are alternate concentrations in use?	Measure and address compliance, identify and resolve any unanticipated issues

Implementation and Adoption

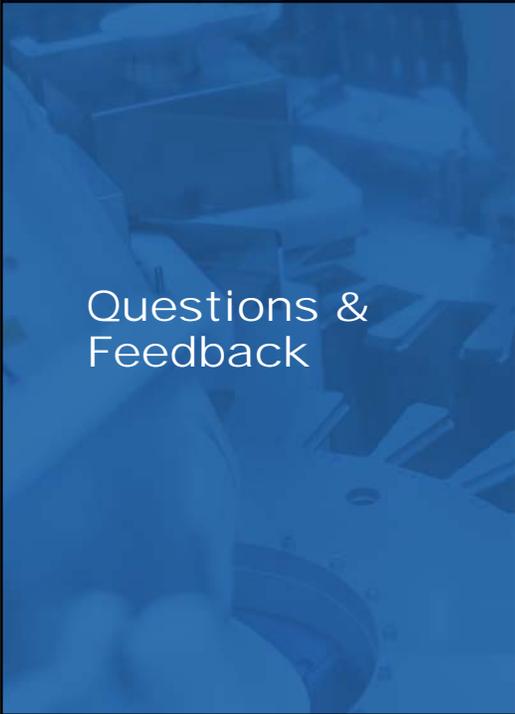
- Standard process
 - Inform
 - Educate
 - Establish what data collected will demonstrate effectiveness of changes
- Provide readily available assistance, support and coaching



Evaluate and Improve

- Measure
 - Patient safety
 - Patient outcomes and appropriateness of decisions
 - Level of adoption
 - Cost
- Join the national discussion and provide feedback
- Process for updating as evidence and therapies change





Questions & Feedback



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www.ashp.org/standardize4safety

