Safety & Other Considerations during Product Shortage

Shortage Timeline , Clinical Evaluation, Communication		Plan
☐	Shortage information assessed/validated (ETA's, DOH/QOH, Burn rate)	
☐	Identify & Validate all usage/indication of shortage product; including wasteful practices	
☐	Timeline: Conservation & allocation plan	
☐	Alternate therapy plan & Guidance	
☐	Identify stakeholders and message to each audience	
☐	Resource requirements	
☐	Cost impact	
☐	Policies, procedures, P&T	
☐	Reporting of med events related to shortage	
☐	Earmark things for Return to "normal" - use tracked changes to plan & communicate when to undo changes, ensure reversion plan does not create its own error risk, identify permanent adoption opportunities	
Production Selection/Procurement		**Plan**
☐	Identify alternate products, subs, order sources	
☐	Generic equivalent selection	
☐	Approved vendor & account setup	
☐	DSCSA information enabled	
☐	Price/Contract	
☐	Excipients/inactive ingredients	
☐	Container changes, compatibility	
☐	Temporary import: special attention to product label, material, ports, etc	
☐	Bulk vs UD	
☐	Alternate size, concentration, dose form	
☐	Other supplies/equipment/resources needed for product to be used	
☐	Shipping schedule and courier	
Stocking, Inventory, Preparation		**Plan**
☐	High Alert Product?	
☐	Storage requirements	
☐	Preparation requirements	
☐	Waste mitigation opportunities	
☐	Look alike/sound alike risk	
☐	Dating requirements	
☐	Size, strength, concentration of product	
☐	Movement/consolidation of product location due to shortage	
☐	Compounding recipes and calculations	
Information systems integration & informatics		**Plan**
☐	Drug Build in various systems (Procurement, EHR, ADC, Pumps, Compounding software, repackaging system, labeling)	
☐	Barcode linking	
☐	Billing Integrity	
☐	Preparation information	
☐	CDS or other supportive information	
☐	Dose ordering & calculations	
Administration & Monitoring		**Plan**
☐	Readable barcode	
☐	Infusion time, route, method	
☐	Other supplies needed due to change in drug	
☐	Alternative product/therapy adverse effect profile or risk	
☐	Alternative product/therapy efficacy	
☐	Minimize Waste	

Other References

ISMP Imported Fluid Product Checklist	ISMP List of High-Alert Medications in Acute Care Settings
A comprehensive, proactive plan is needed to mitigate risk when changing drug concentrations (ISMP Acute Care Newsletter June 16, 2022, Volume 27, Issue 12)	FDA & ISMP Lists of Look-Alike Drug Names with Recommended Tall Man (Mixed Case Letters)
ASHP Guidelines on Managing Drug Product Shortages	