

## SHC Drug Shortage Update 04.02.2019

	Pipeline	SHC Supply	SHC Strategy
<b>Critical Shortages</b>			
IVIG	Shortage through Q3 2019.	Limited	<p>Pharmacists must evaluate all IVIG orders prior to verification to ensure adherence to the criteria outlined in the IVIG Use Guideline:</p> <ol style="list-style-type: none"> <li>1. IVIG use not in accordance with the guidelines requires approval by one of the designated physician approvers. (If indication does not align with represented service lines, escalate to pharmacy administrator on call.)</li> <li>2. Doses will be based on ideal body weight unless actual body weight is less than ideal body weight, use actual body weight.</li> <li>3. Doses will be rounded to the nearest 5 grams.</li> <li>4. All orders must include a definite endpoint of therapy.</li> </ol>
Labetalol INJ	Shortage through Q2 2019.	Limited	<p>Use alternatives and/or transition to PO as soon as clinically appropriate. For intermittent/bolus dosing, consider IV metoprolol. IV hydralazine preferred in post-op kidney transplant patients per Dr. Busque. For infusion, consider alternative IV antihypertensive infusion (clevidipine, esmolol, nicardipine, sodium nitroprusside)</p>
Nystatin Suspension	Delays in Production. Next release date = early May.	Limited	<p>Recommend alternatives whenever possible.</p> <p>1st line: Clotrimazole troche 2nd line: systemic azoles</p>
Sodium Bicarbonate INJ	Manufacturer shortage.		<p>SHC should limit use of sodium bicarbonate to critical indications for which alternatives are not available.</p> <p><b>Approved Indications for Use:</b></p> <ol style="list-style-type: none"> <li>1. Cardiac arrest</li> <li>2. Cardiac surgery &amp; transplant cases</li> <li>3. Hydration for high-dose methotrexate</li> <li>4. Allogeneic BMT chemo hydration (use low dose bicarb)</li> <li>5. Severe Acidosis (pH&lt;7.20)</li> </ol> <p><b>For all other indications, pharmacist to page team to recommend alternatives. Do not use for the following indications due to lack of evidence favoring sodium bicarbonate over alternatives.</b></p> <ol style="list-style-type: none"> <li>1. Prevention of contrast-induced nephropathy</li> <li>2. Rhabdomyolysis</li> <li>3. Urinary Alkalinization</li> </ol>

Please contact Deepak Sisodiya @ dsisodiya@stanfordhealthcare.org with any questions.

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Thiamine INJ	Shortage through April	Limited	Reserve IV thiamine for treatment of Wernicke encephalopathy. Switch to PO therapy whenever appropriate. If IV therapy indicated, minimize duration and convert to PO ASAP. Convert banana bags to PO components and/or limit duration. (If IV required, remove thiamine.)
<b>Concern Shortages</b>			
Amphotericin B INJ	Production delays.		Given the extended half-life of Ambisome and concurrent use of systemic fungal prophylaxis after heart and lung transplants at our institution, recommend administering at a dose of Ambisome 25 mg by inhalation weekly. This is supported by ICID and heart/Lung Transplant services. Pharmacists to page team to change to Ambisome inhalation. <span style="float: right;">Changes to order set in progress. Reserve dAMB for intrathecal therapy, if available.</span>
Bupivacaine INJ	Production delays through June 2019.		Allocate inventory to PeriOp.
Calcitriol Inj	Long term backorder.		
Clotrimazole 10mg troche	Production Delays. Next release date: End of April		Therapeutic Countermeasures: Reserve clotrimazole troches for patients who are unable to tolerate alternatives (ex: unable to swallow) <span style="float: right;">Recommend alternatives when appropriate: 1st line: systemic azoles</span>
Dexamethasone 4 mg/ml (all sizes)	Production delays. Next release date = TBD.		Available: Dexamethasone 10mg/ml
Dextrose 50% INJ	Production delays.		SHC accounts are on allocation: reduce par levels in ADCs.
Dopamine IV vial	Limitation on production through Q2 2019.		Please switch order to premade bags if possible.
Epinephrine 10ml SYR	Production delays.		Available: 1mg/1ml INJ Pharmacy will begin placing epinephrine emergency syringe KITS in crash cart medication trays as crash carts are refilled.
Fluorescein Sodium Injection: 25% (2mL) Ophthalmic strip: 1 mg	Long term backorder status. Severe limitation on production until end of 2019.		Available: Fluorescein sodium 10%. Bioglo 1mg ophthalmic strip.
Haloperidol Lactate 5mg/1ml	Manufacturer shortage.		

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Lidocaine 1% for inj.			Conserve use of lidocaine when possible (eg paging for new lidocaine infusion for pain orders) For lidocaine 1% 2ml orders for potassium infusion-related pain: Pharmacy can automatically convert to lidocaine 2% 1ml if available Updates on which lidocaine formulations are available each day will be sent out in the daily huddle.
Mannitol 20% INJ	Manufacturer shortage. Next Release Date = TBD.		
Miochol - E	Manufacturer shortage.		
Shingrix	Sole manufacturer cannot keep up with demands.		Allocation = ~375 vials / month.
Sodium Phosphate INJ	Limited supply. Allocation.		Consider use of alternates when appropriate. (glyco phos)
Sodium Polystyrene Sulfonate	Manufacturer shortage.		Countermeasure: convert to Patiromer, if clinically appropriate.
Thiothixine capsules	Production delays.	None	
TICE BCG	Sole manufacturer cannot keep up with demand.		Accounts are on allocation.
Trifluoperazine tablets	Production delays.	None	Available: Trifluoperazine 10mg
Valsartan Tablets	Due to global recall; all valsartan were pulled out from inventory.	None	
Valsartan Combo Tablets (Valsartan/Amlodipine & Valsartan/Amlodipine/ HCTZ)	Global recall.	None	

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