Yale NewHaven Health

Organizing and Communicating Product Disruptions in the Post-Pandemic World

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Background/Introduction



- Yale New Haven Health is an integrated healthcare network (IDN) comprised of 8 hospitals that historically have operated independently with varying strategies of addressing product disruptions.
- In the current post-pandemic environment, product backorders are now the new normal, and supply chain teams are challenged to effectively support clinical care and meet patient needs.
- Aside from weekly meetings with our distributor and materials management staff at each hospital, many inefficiencies were discovered when trying to communicate product disruptions and substitutions to the sites (including the exchange of thousands of emails between multiple departments).
- There was no single method to notify all locations of ongoing product disruptions that may affect their ability to manage product demands at their sites.

Purpose

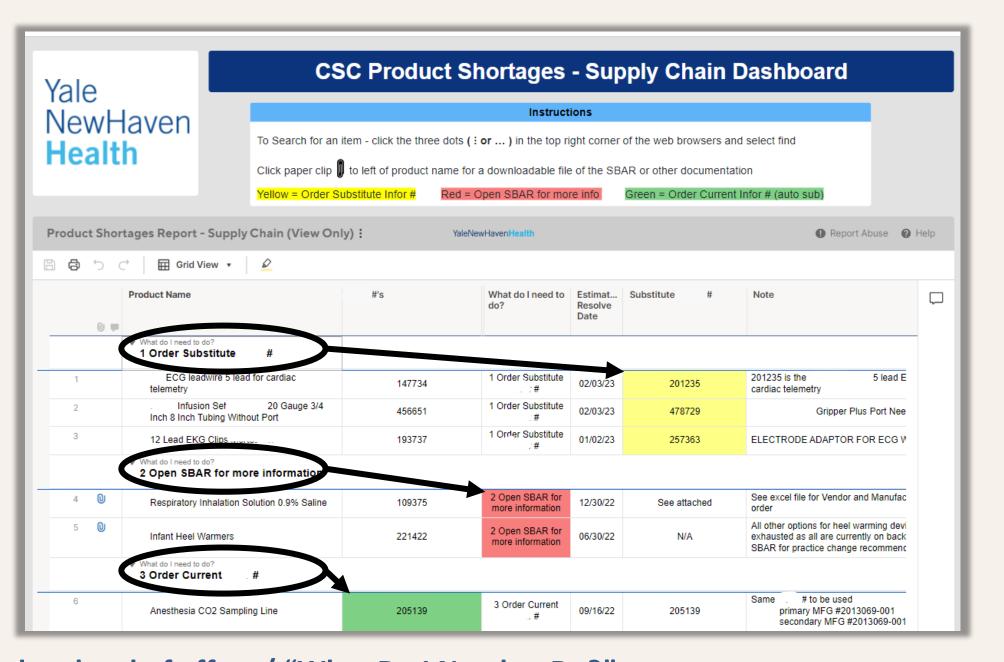
- To provide an organized, easy-to-read dashboard across the health system with consistent, up-to-date backorder & substitution information that the clinical and operational care teams can quickly refer to in the delivery of product to the OR, floors, and off-sites.
- To automate the communication methods used by Corporate Supply Chain by means of cloud-based technology, achieving the primary goal of getting the right product to the right patient at the right time.

Key Stakeholders' Functional Needs

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Materials Management (OR & Floor staff)		Clinicians		Purchasing / Strategic Sourcing	
 To understand what substitute items will be distributed and stocked on nursing units, operating rooms, and clinics 	sul ba ma pra	understand how bstitute items for ckordered products by affect their clinical actices, and how to tain the products		 To understand the clinically equivalent substitute products to purchase when the primary products are not available 	
Value Analysis Team	D	ata Analytics Team		Distributor	
 To research and document clinically equivalent substitute products for backorder- ed items 	ite su up	understand what ems are identified as bstitutes in order to idate/ redirect INFOR id the item master		 To understand what substitute items will be distributed to plan for inventory, and document when backorder product is back in stock 	

Methods/Materials

- Gathered sources of information about backorders from our distributors and suppliers
- Verified process to understand what kind of information stakeholders needed
- Dashboard developed using a cloud-based collaborative work management (CWM) tool to help centralize real-time information
- After all substitution are vetted by the Value Analysis team, and availability is verified, we post to our dashboard
- Dashboard is available to anyone in the organization
 - Online published report allows everyone to see real time data
 - Data added by our Value Analysis team & Purchasing team
 - Substitute items entered are reviewed in the Clearinghouse for accuracy before posting to the dashboard



Color-coded based on level of effort / "What Do I Need to Do?"

- Instructions & Video in Section 1 for Reference
- Green highlighted \rightarrow I can order the existing product number, but what I receive may look different
- Yellow highlighted \rightarrow I need to order an alternate product number to receive the substitute product
- Red highlighted -> I need to dig into this & open the attached SBAR pdf for additional instructions

Challenges met with Solutions

Challenges	Solutions		
No "single source of truth" documenting product disruptions for front line staff	Automated central repository with live feed of products on backorder.		
Version control of available documents with updated clinical resources	Addition of embedded resources in the tool for staff reference.		
Email messaging overwhelming both Supply Chain and Clinical Staff			
Mechanism to audit system to recognize when backorders have resolved.	Partnered with Distributor to add "resolved date" to their <i>Manufacturer Backorder Report</i> , crosschecking with our database weekly. Updating dashboard with information above queued materials and clinical staff that the primary product was back in stock		
Return to conventional product			
Clear roles and process for Value Analysis Nurses with Strategic Sourcing	Met with stakeholders and established new processes		
Applying dashboard to support Ambulatory sites	In development with Ambulatory stakeholders, Distributor, and Leadership		

Results

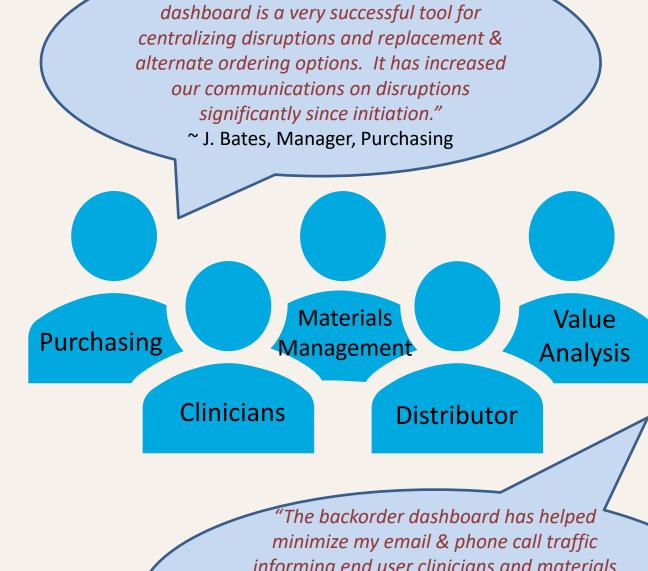
- Easy access to single source of backordered items and substitutions.
- >1,400 emails removed from the process, resulting in less time spent searching through old emails to find the information needed.
- Identified need to create a new process to re-establish product ordering (back to original product) when backorders are resolved.

Sustainability Planning

- Continued partnership with main distributor to optimize system maintenance.
- Solutions for direct-buy products
- Assigning accountability for all new processes
- Identifying communication channels

Customer Testimony: Impacted people......

"The backorder/product disruption



minimize my email & phone call traffic informing end user clinicians and materials management staff of substitute products. It also saves me time researching products where substitutes have already been identified.

~ K. Grimshaw, RN, Value Analysis

LEARNING OBJECTIVES:

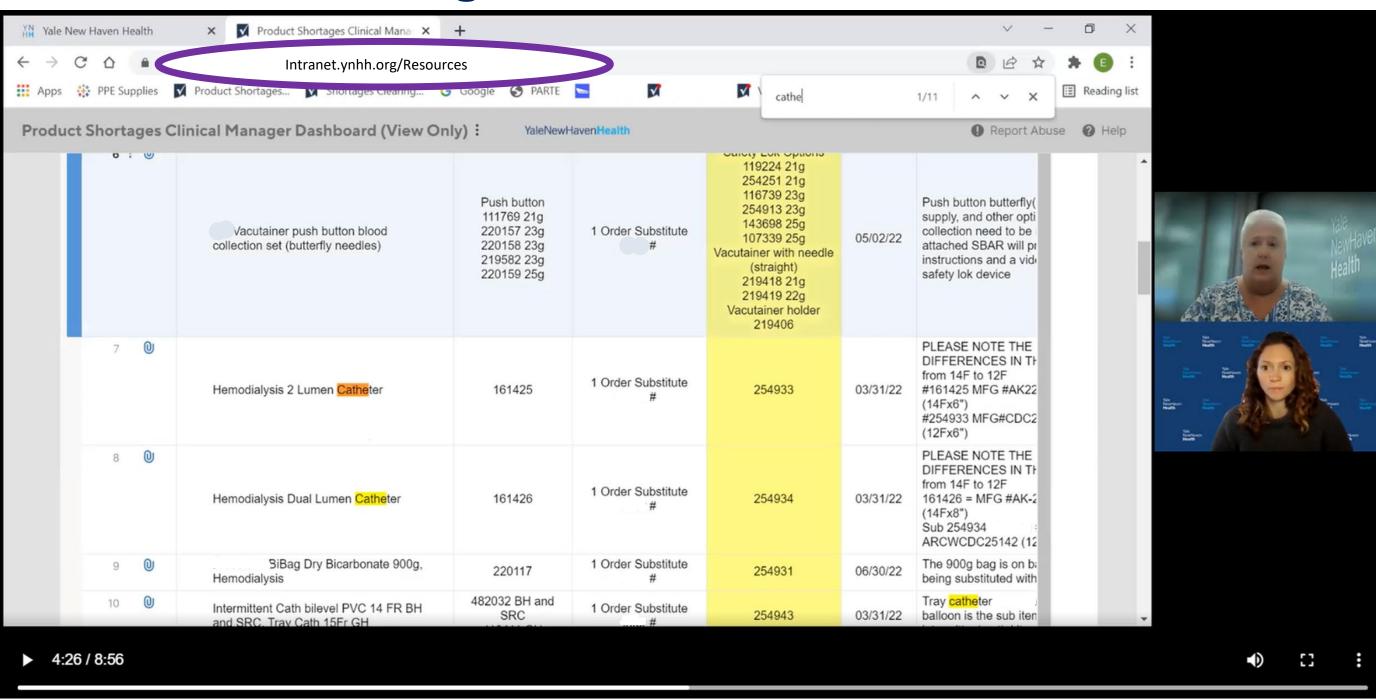
- 1) Identify supply chain workflow challenges presented by clinical product disruptions.
- 2) Describe how the use of technology organizes and communicates product substitutions that may result in clinical practice changes.

The authors have no relevant financial relationships to disclose.

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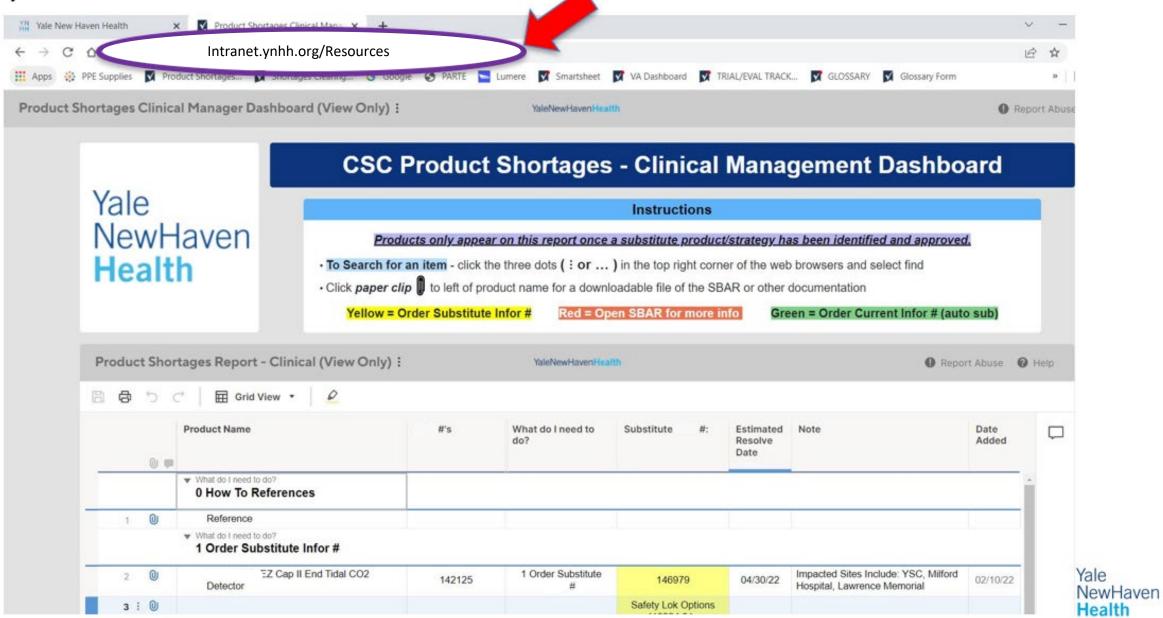
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CSC Product Shortages Clinical Management Dashboard - EDUCATION



CSC Product Shortages Clinical Management Dashboard - ACCESS

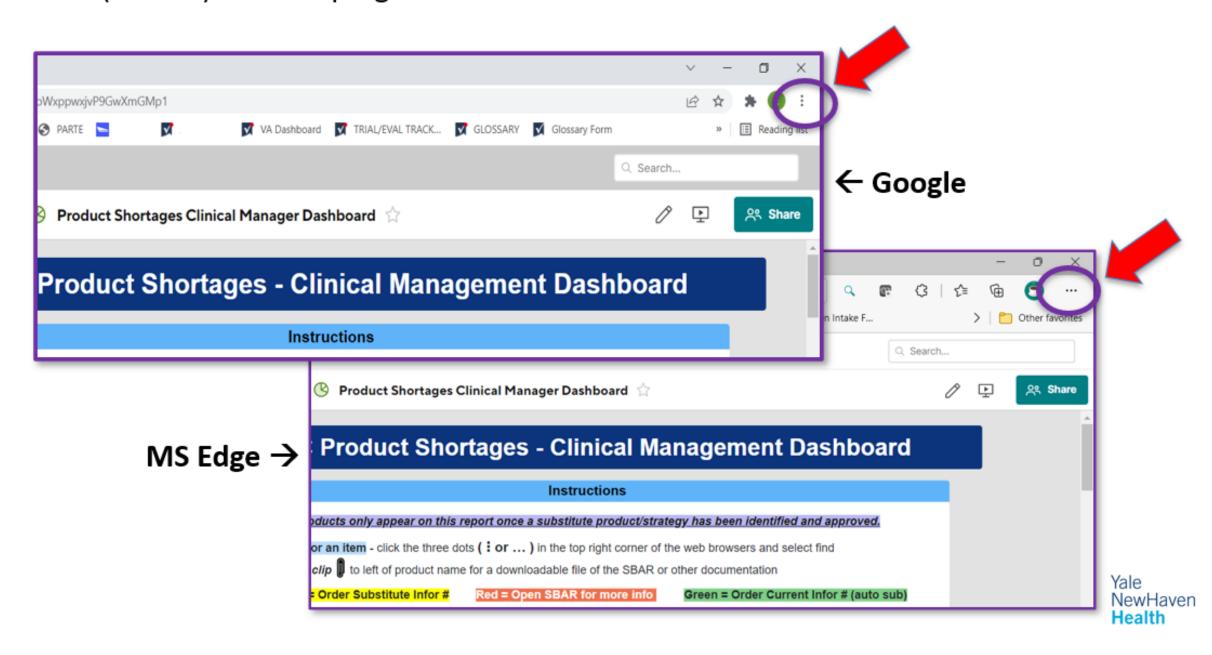
If desired, save Clinical Management Product Shortage Dashboard URL/link to your favorites and review Instructions





CSC Product Shortages Clinical Management Dashboard - SEARCH

Search Function dependent on browser used. To search for an item, click the three dots (: or ...) in the top right corner of the web browsers and select find



Organizing and Communicating Product Disruptions in the Post-Pandemic World

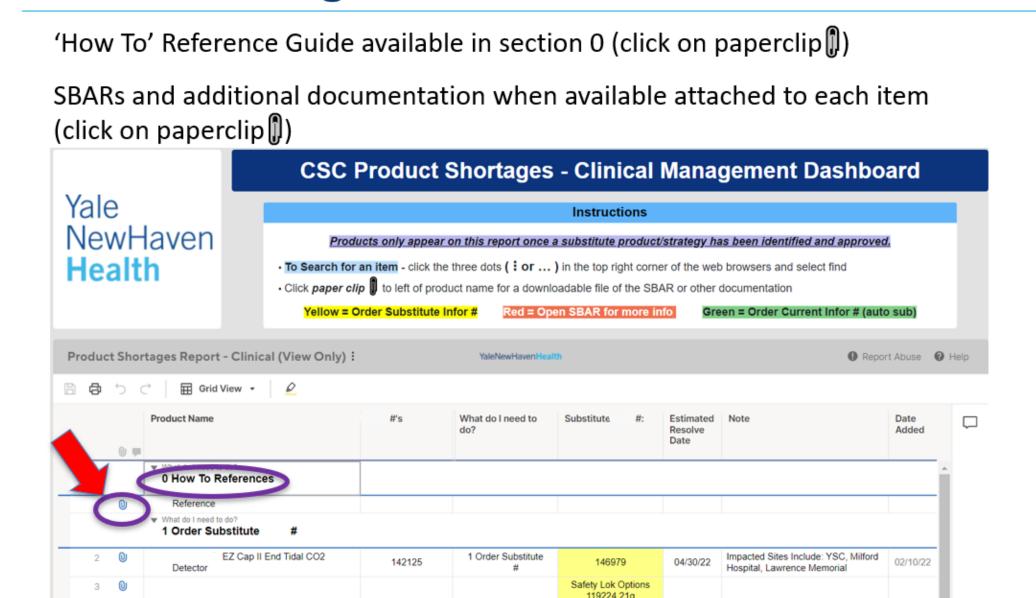
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CSC Product Shortages Clinical Management Dashboard - CONTENT

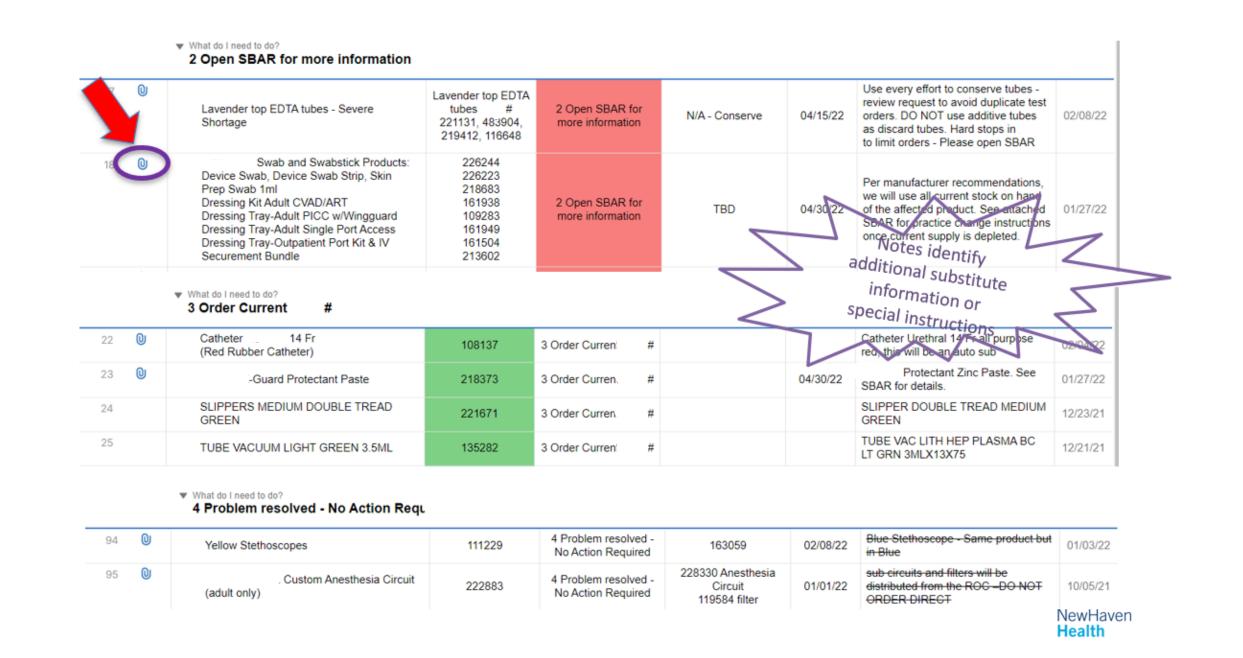


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CSC Product Shortages Clinical Management Dashboard - CONTENT





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CSC Product Shortages Clinical Management Dashboard - QUALITY

