## 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**

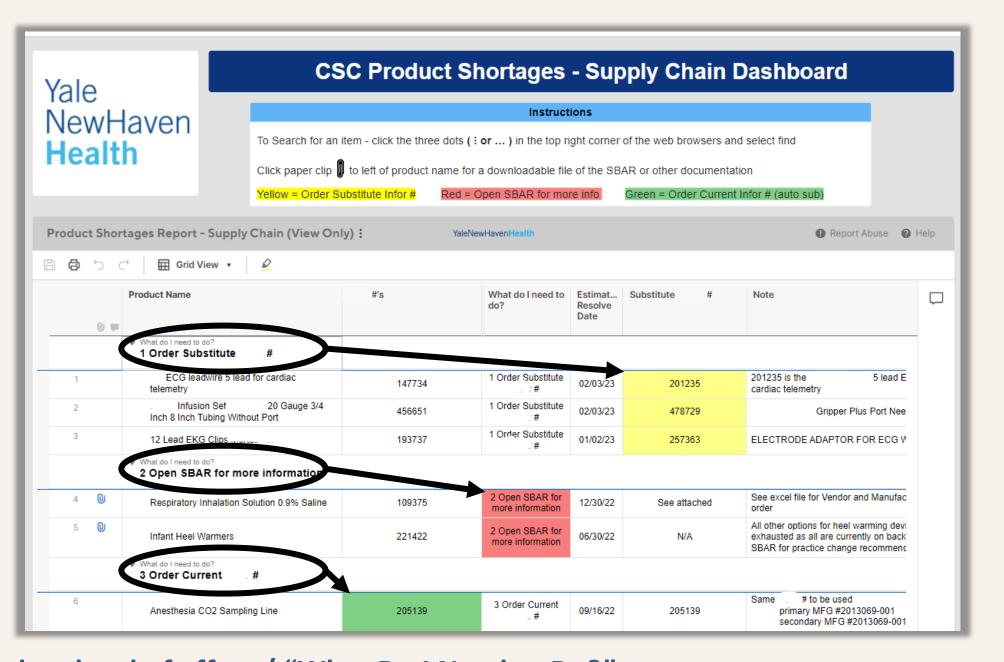
- To provide an organized, easy-to-read dashboard across the health system with consistent, up-to-date backorder & substitution information that the clinical and operational care teams can quickly refer to in the delivery of product to the OR, floors, and off-sites.
- To automate the communication methods 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
<ul> <li>To understand what substitute items will be distributed and stocked on nursing units, operating rooms, and clinics</li> </ul>	<ul> <li>To understand how substitute items for backordered products may affect their clinical practices, and how to obtain the products</li> </ul>	<ul> <li>To understand the clinically equivalent substitute products to purchase when the primary products are not available</li> </ul>
Value Analysis Team	Data Analytics Team	Distributor
<ul> <li>To research and document clinically equivalent substitute products for backorder- ed items</li> </ul>	<ul> <li>To understand what items are identified as substitutes in order to update/redirect INFOR and the item master</li> </ul>	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.
Return to conventional product	Updating dashboard with information above queued materials and clinical staff that the primary product was back in stock
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

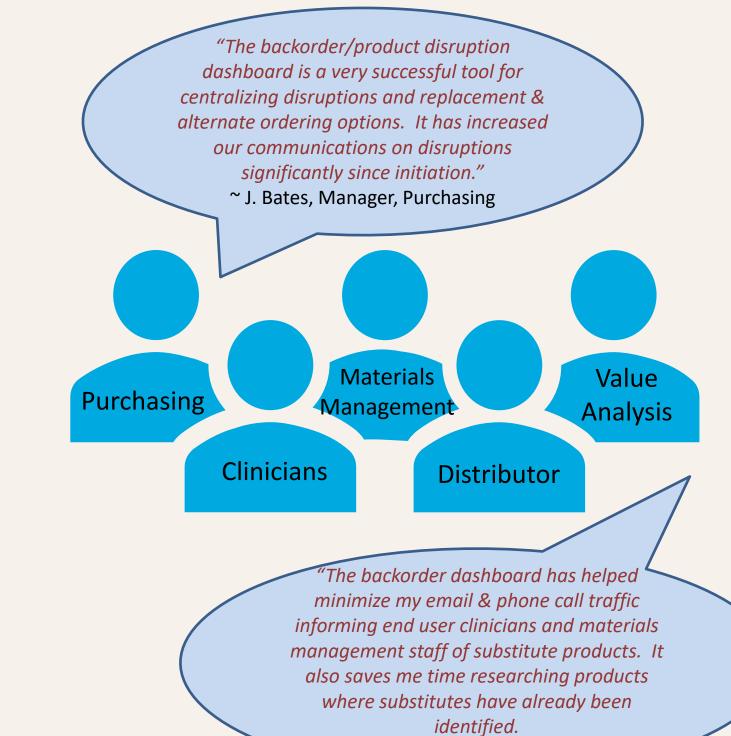
#### Results

- 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......**



#### 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.

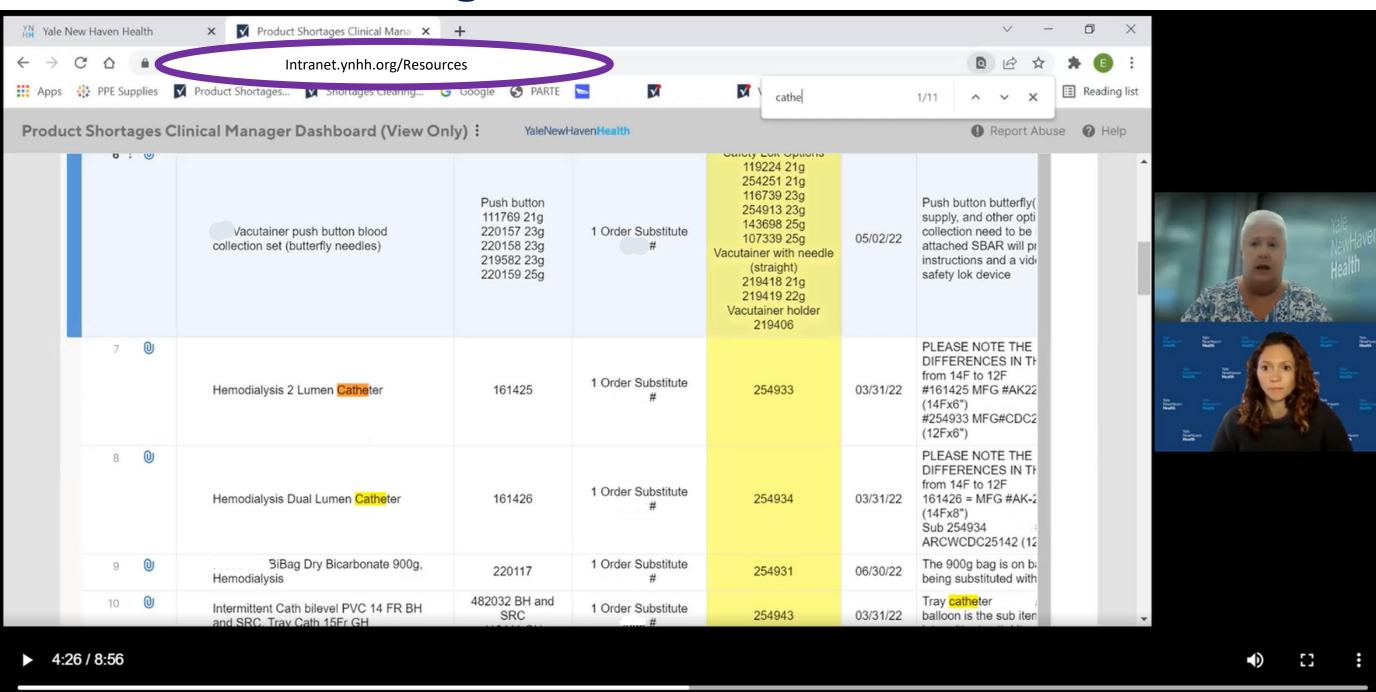
~ K. Grimshaw, RN, Value Analysis

The authors have no relevant financial relationships to disclose.

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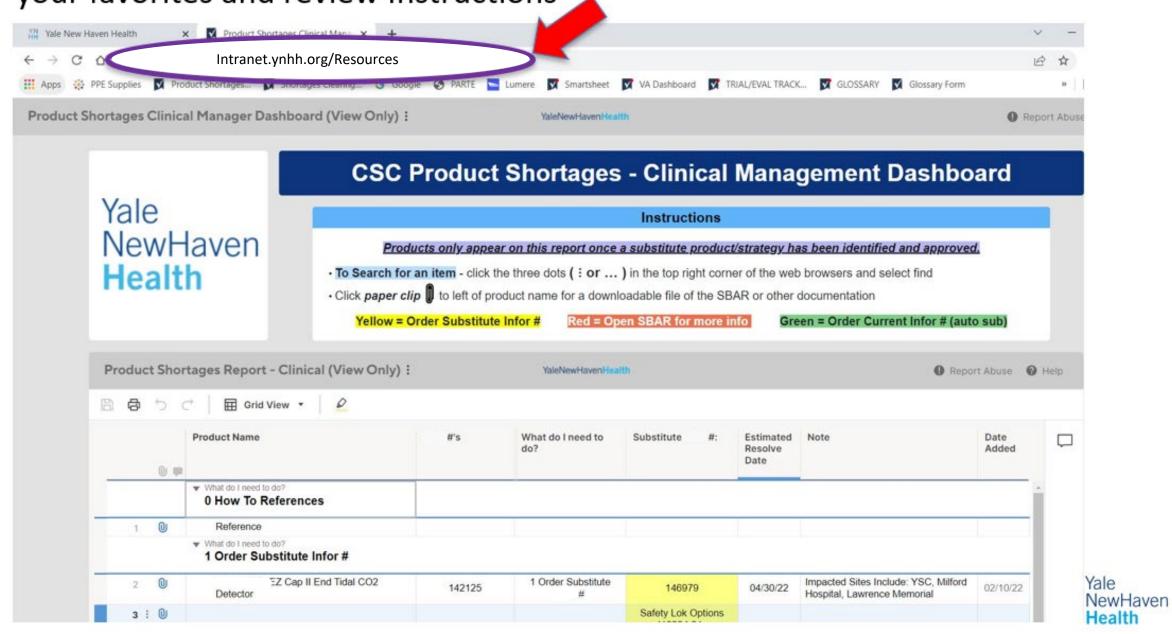
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# **CSC Product Shortages Clinical Management Dashboard - EDUCATION**



# **CSC Product Shortages Clinical Management Dashboard - ACCESS**

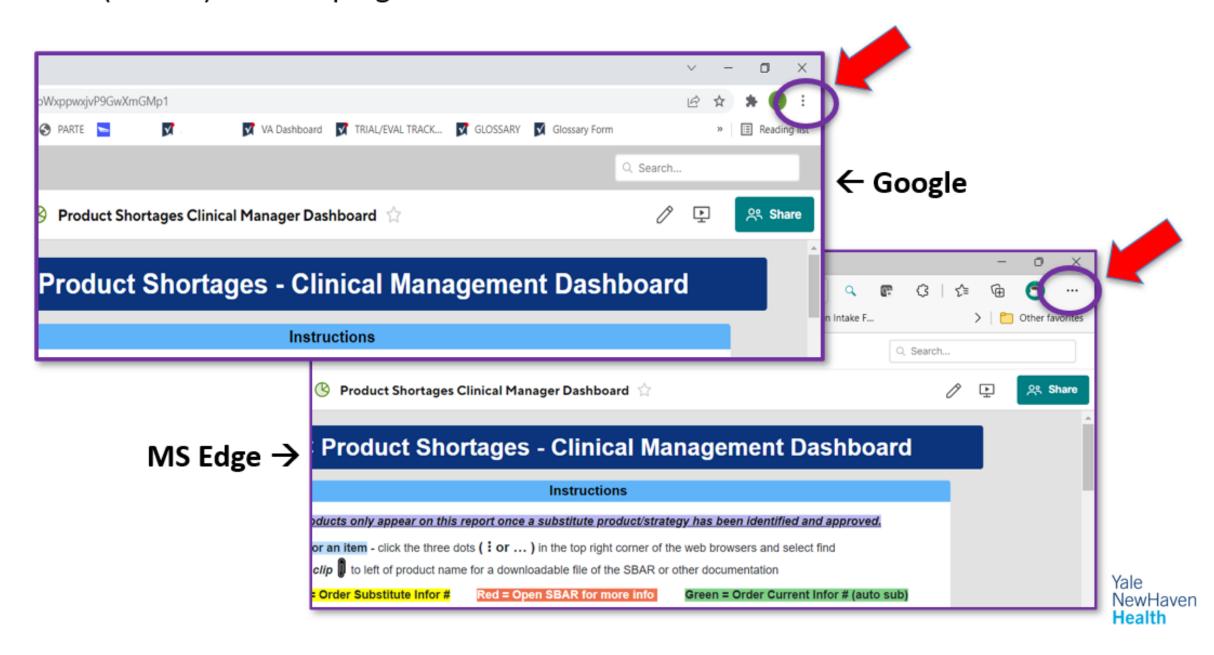
If desired, save Clinical Management Product Shortage Dashboard URL/link to your favorites and review Instructions





# **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

\*\*How To' Reference Guide available in section 0 (click on paperclip (1))

\*\*SBARs and additional documentation when available attached to each item (click on paperclip (1))

\*\*CSC Product Shortages - Clinical Management Dashboard\*\*

\*\*Product Shortages - Clinical Management Dashboard\*\*

\*\*Instructions\*\*

\*\*Products only appear on this report once a substitute product/strategy has been identified and approved.\*

\*\*In Search for an item - click the three dots ( 1 or ... ) In the top right corner of the web browsers and select find click paper clip (1) to left of product name for a downloadable file of the SBAR or other documentation (1) Click paper clip (1) to left of product name for a downloadable file of the SBAR or other documentation (1) Click paper clip (2) To Search for an item - click the three dots (1 or ... ) In the top right corner of the web browsers and select find click paper clip (2) to left of product name for a downloadable file of the SBAR or other documentation (2) To Search for more into (3) To Search for more into (4) To Search fo

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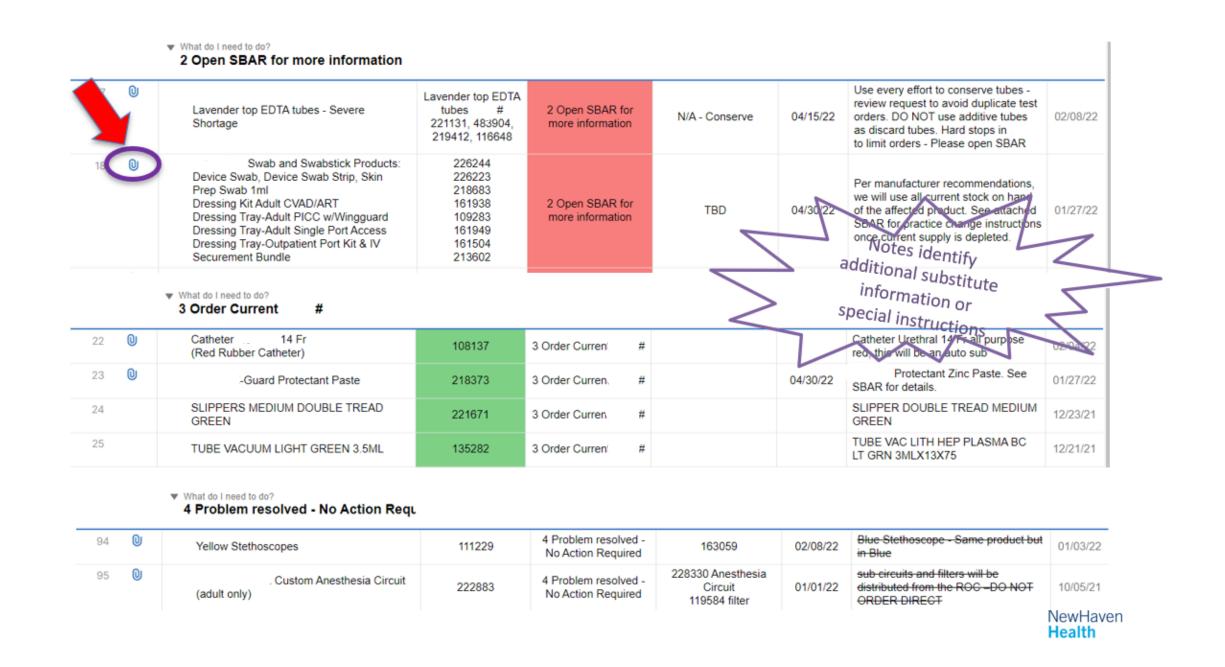
Hospital, Lawrence Memorial

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1 Order Substitute

## CSC Product Shortages Clinical Management Dashboard - CONTENT





NewHaven

## **CSC Product Shortages Clinical Management Dashboard - QUALITY**

