

The Development of a Respiratory Supplies Indexing System to Improve Retrieval Time

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The Development of a Respiratory Supplies Indexing System to Improve Retrieval Time

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Background

- Often locating specific equipment can be overwhelming or time consuming in a large respiratory care equipment office.
- Not being able to locate equipment in a timely manner can cause delays in patient care.
- These delays can also lead to staff frustration and dissatisfaction.

Methods

- We conducted an assessment of our current arsenal of equipment and supplies.
- When staff was questioned to locate supplies in a timely manner:
 - Common items could be located promptly
 - Less common items resulted in a significant delay in locating

Examples

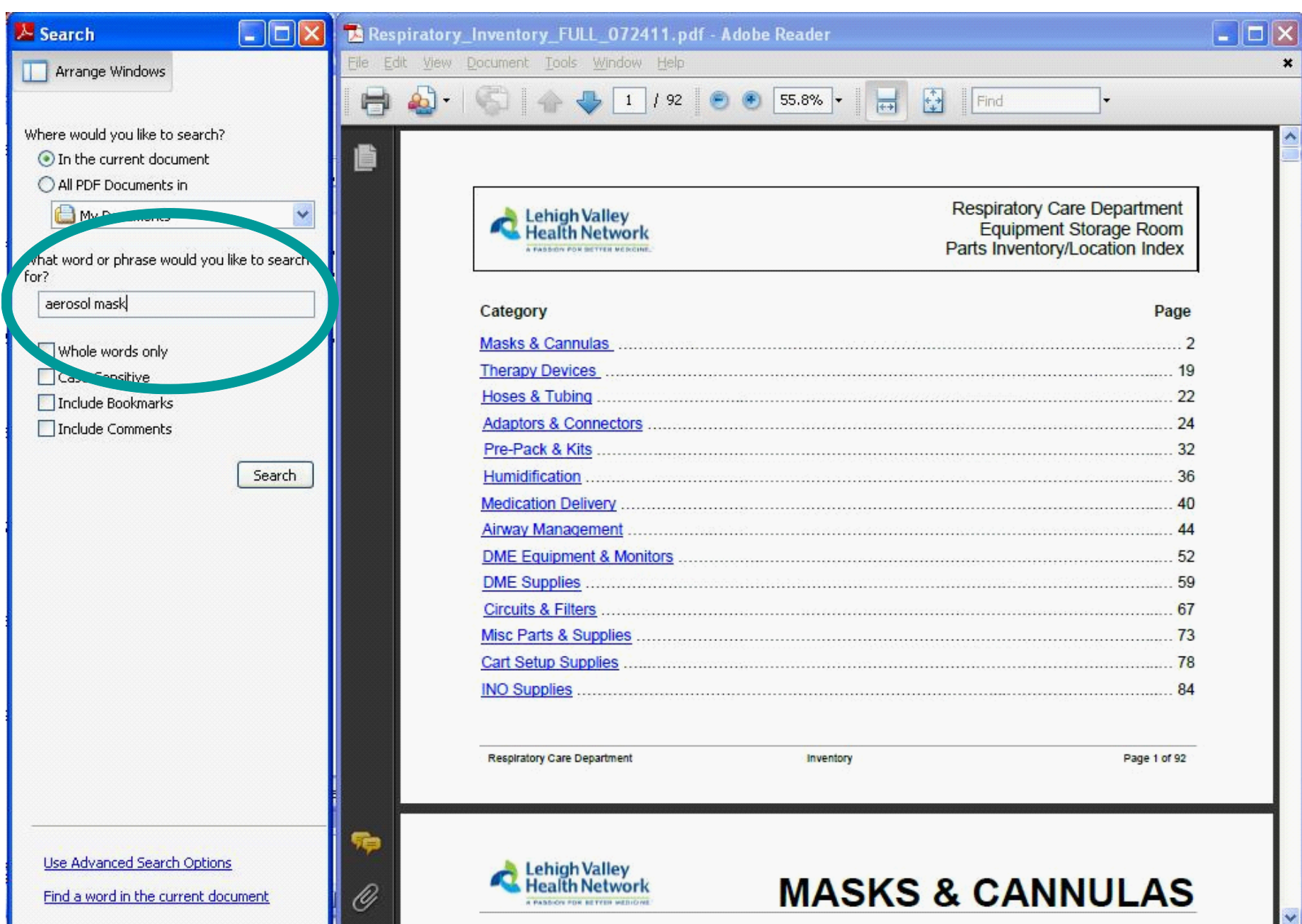
Example Category Masks & Cannulas

MASKS & CANNULAS	
	Optiflow Nasal Cannula (SMALL) High Flow device. Heated humidification needed. Latex free. Single pt. use. EE: Shelf 1 Wall: 27 (left) NS 15981199 CARE OPT544
	Optiflow Nasal Cannula (MEDIUM) High Flow device. Heated humidification needed. Latex free. Single pt. use. EE: Shelf 1 Wall: 27 (middle) NS 15981192 CARE OPT544
	Optiflow Nasal Cannula (LARGE) High Flow device. Heated humidification needed. Latex free. Single pt. use. EE: Shelf 1 Wall: 27 (right) NS 15981199 CARE OPT544
	Optiflow Trach Collar High Flow device. Heated humidification needed. Direct connect to trach. Latex free. Single pt. use. EE: Shelf 1 Wall: 19 NS 15981191 RT 659

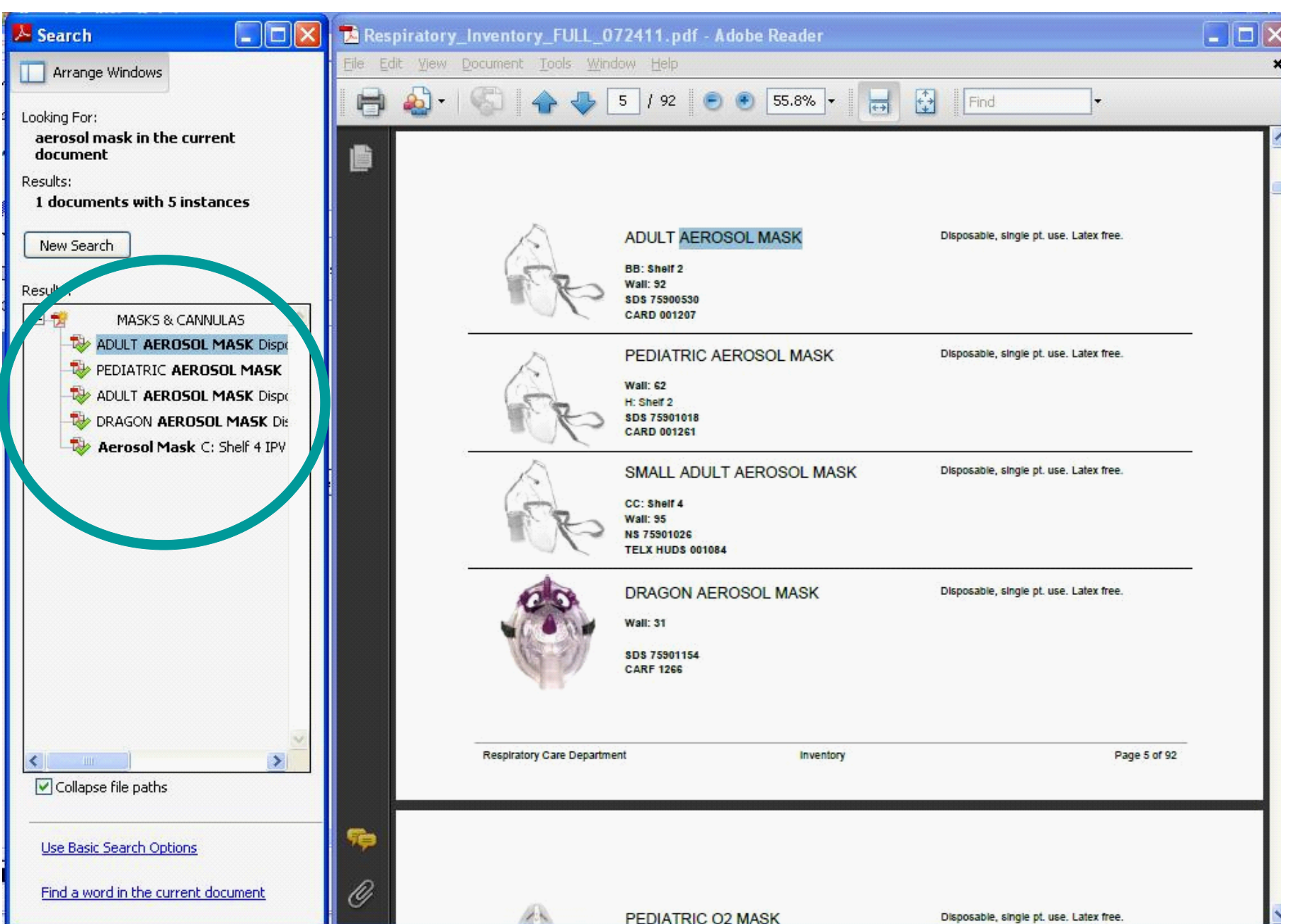
Example Category Ventilators

	EVITA XL VENTILATOR E2 Equipment Room Floor Drager Setup with: Drager Exhalation Valve Drager Flow Sensor Vent Circuit HMEF 2L Test Lung
	EVITA 4 VENTILATOR E4 Equipment Room Floor Drager Setup with: Drager Exhalation Valve Drager Flow Sensor Vent Circuit HMEF 2L Test Lung
	G5 VENTILATOR Equipment Room Floor Hamilton Medical Setup with: Hamilton Exhalation Valve Hamilton Flow Sensor Vent Circuit HMEF 2L Test Lung (in back tray) CO2 Adaptor (Taped to side)
	GALILEO VENTILATOR Equipment Room Floor Hamilton Medical Setup with: Hamilton Exhalation Valve Hamilton Flow Sensor Vent Circuit HMEF 2L Test Lung (in back tray)

Example Search Aerosol Masks



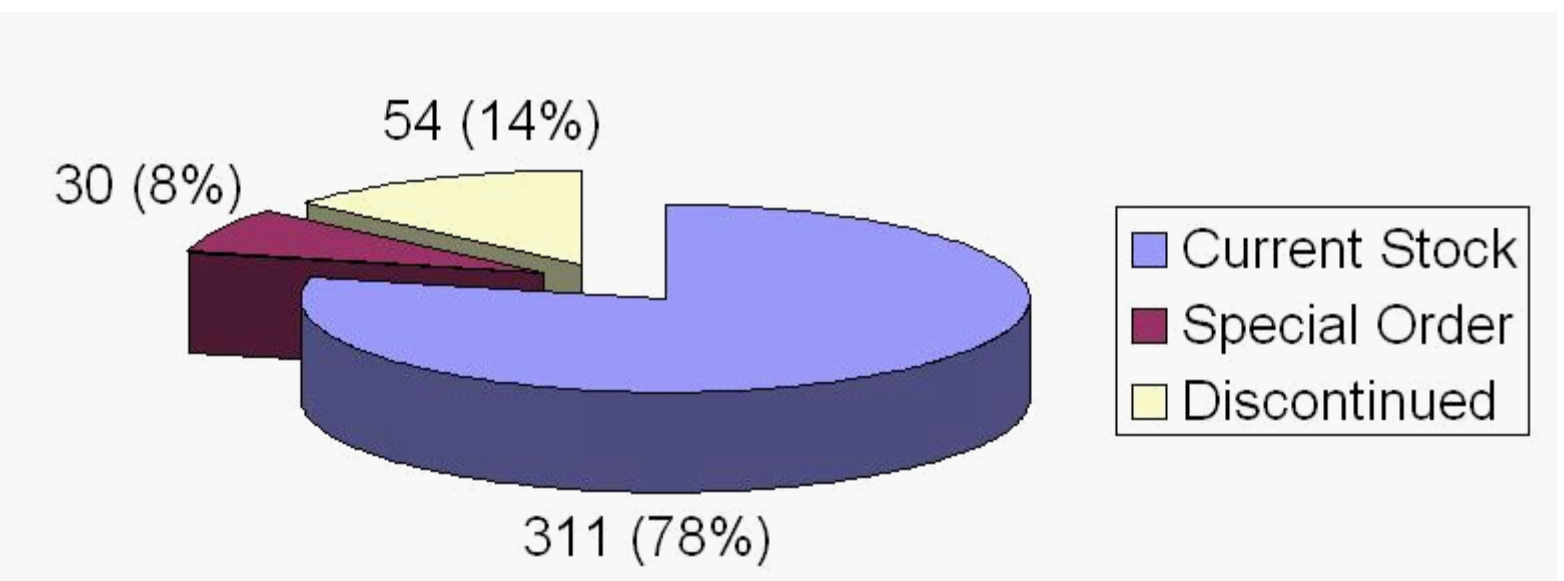
Example Search Results Aerosol Masks



Development

Development of Inventory Indexing System

- Conducted an analysis of all equipment currently listed on inventory.
- Determine current inventory.
- Organized all equipment by clinical application and frequency of utilization.
- Developed a computerized catalog system and hard copy notebook.



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Results

- Pre indexing:** it could take as long as 10-20 minutes per item.
- Post indexing:** the time was reduced to about one minute, even for seldom used items.
- Critical time delays have been reduced and staff satisfaction has been enhanced.
- Facilitated the orientation process.

Conclusions

- Development of an on-line searchable equipment inventory system has:
- Increased equipment retrieval time
 - Reduced therapist frustration
 - Helped in the orientation process