



THE UNIVERSITY OF KANSAS HEALTH SYSTEM

Care Collaborative

Supply Chain Highlights

04-08-2020

Lessons Learned

- Addressing supply shortages
 - N95's, PAPR Hoods, Face Shields
 - Conservation efforts:
 - Usage Tracking
 - Fit-testing
 - Reusage/Reprocessing
 - Decontamination protocols
 - Gowns: reusable/disposable
 - Wipes: Sani, Cavi, OxyCide, Bleach
- Tracking PPE
 - Per patient
 - Per employee

Reuse of N95 Respirators

- **Purpose:** Supplies of N95 respirators and PAPR hoods are in increased demand in critical settings during infectious diseases pandemics. Existing CDC guidelines recommend a combination of approaches to conserve supplies while safeguarding health care workers in such circumstances. In these situations, existing guidelines recommend that health care institutions.
- **Re-use can occur under the following conditions:**
 - N-95 respirators must only be used by a single healthcare worker.
 - Use a full face shield or a surgical mask over an N-95 respirator to reduce surface contamination of the respirator during patient encounters.

Reuse of N95 Respirators

After doffing N-95 respirator:

- Perform hand hygiene.
- Don clean gloves
- Inspect N-95 respirator for signs of damage or contamination, discard if present.
- N-95 respirators can be disinfected in UV disinfection devices.
 - UV disinfection devices will be placed on designated units
 - » BH15, BH62, BH61, BHOR, CAOR, ED
 - Close door of UV device to begin disinfection.
 - After 10 minutes, disinfection is complete and N-95 can be removed.
 - Keep used respirators in a clean breathable container (e.g. paper bag) **between uses.**
- Store respirators so that they do not touch each other. Staff will write their name on the bag and/or on the elastic straps so the person using the respirator is clearly identified. (Do NOT write on the mask)
- Paper bags are single use and should be disposed of each time mask is removed.

Reuse of N95 Respirators

When donning N-95 from paper bag:

- Always perform hand hygiene and use clean gloves when donning a used N-95 respirator and performing a user seal check.
- Discard gloves after the N-95 respirator is donned and any adjustments are made to ensure the respirator is sitting comfortably on your face with a good seal. Perform hand hygiene after removing gloves.
- **Avoid touching the mask. Anytime one touches the N-95, it is necessary to perform hand hygiene as described above.**

Discard N-95 Respirator (do not reuse) if:

- Contaminated with blood, respiratory or nasal secretions, or other bodily fluids from patients.
- The straps are stretched so they no longer provide enough tension for the respirator to seal to the face
- If the nosepiece or other fit enhancements are broken
- The respirator is obviously damaged or becomes hard to breathe through.
- The respirator has been used more than 5 times or has been used continuously for >8

PAPR Hoods

Re-use of PAPR hoods:

- PAPR hoods are to be used by a single healthcare worker with name written on hood.
- After each use, wipe down all exterior surfaces of the PAPR with an EPA approved disinfectant wipe, observing the appropriate contact time.
 - The outside front is the area most likely to be contaminated.

Discard PAPR hood (do not reuse) if:

- Contaminated with blood, respiratory or nasal secretions, or other bodily fluids from patients.
- Tears or broken components are noted upon visual inspection.



THE UNIVERSITY OF KANSAS HEALTH SYSTEM

COVID Bulk Purchasing Process

People

- Providers – Physicians and Nurses
- Clinical Services
- IPAC
- Risk Management
- Employees across the system
- Executive Office
- Marketing
- Supply Chain
- University and Medical Center
- Community

Vetting Process

- Terms
 - PO/Invoice is always preferred
 - % Down/Arrival
 - 50/50
 - Prepay
- Product vetting
 - FDA Certification
 - CDC Certification
 - EPA Certification
 - Cross referencing products to current vetted vendor websites for product comparison
- Vendor is vetted in multiple ways
 - Preference is always our trusted vendors first/GPO/RPC
 - W-9 / W-8
 - OIG Sanctions

Vetting Process

- Other resources utilized
 - GPO/RPC Partners
 - Peer Hospitals
 - Organizations such as AHRMM
 - Google Searches
 - Pictures
 - Negotiating Air delivery vs. ground
 - Preparing a second bulk order for items not listed here – including gloves

Trusted/Not Trusted Suppliers

Trusted

- ASP Global
- Owens & Minor/Halyard
- Medline
- Cardinal
- Henry Schein
- Grainger
- Ansell
- Standard Textile
- 3M
- Fastenal
- Stryker
- Dynamic Innovations
- J. Rieger

Not Trusted

- Shanghai Dasheng Health Products

Community Outreach

- Created a survey for KC metro hospitals to:
 - Provide direction on how supplies should best be utilized from community
 - Provide consistent messaging to the community – media outlets
 - Direct the community to the appropriate places to give
 - Get the right people from all facilities involved
- Working toward changing the perception from, *“we don’t have enough supplies,”* to *“we are all in this together.”*
- Coordinating with Heart to Heart International for collections and distribution of donations



THE UNIVERSITY OF KANSAS HEALTH SYSTEM

Helpful Links:

Health Data:

<https://covid19.healthdata.org/projections>

Burn Rate Calculator:

<https://www.cdc.gov/coronavirus/2019-ncov/hcp/ppe-strategy/burn-calculator.html>

PPE References and sources of evidence:

<https://www.cdc.gov/niosh/topics/hcwcontrols/recommendedguidanceextuse.html>

<https://www.cdc.gov/coronavirus/2019-ncov/hcp/respirator-supply-strategies.html>

https://www.cdc.gov/niosh/npptl/topics/respirators/disp_part/respsource3respreuse.html

http://www.apic.org/Resource_/TinyMceFileManager/Advocacy-

[PDFs/APIC Position Ext the Use and or Reus Resp Prot in Hlthcare Settings1209l.pdf](#)

University of Washington COVID-19 Resource Site:

<https://protect-us.mimecast.com/s/YKVqCkRIONhrEDr2T2RTRq?domain=covid-19.uwmedicine.org>

Confirmation of COVID 19 Vendors:

US Food and Drug Website

<https://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfRL/rl.cfm>

National Institute for Occupational Safety and Health

<https://www.cdc.gov/niosh/srchpage.html>



THE UNIVERSITY OF KANSAS HEALTH SYSTEM

Strategic Healthcare Solutions

Jeff Andersen, VP Payor and Market Strategy

Strategic Healthcare Solutions

Strategic Healthcare Solutions is a network across Kansas designed to improve the operational efficiencies of healthcare organizations by leveraging economies of scale and strategic partnerships. The University of Kansas Health System supply chain portfolio leverages more than 92 hospitals and a \$1 billion supply spend.

By joining Strategic Healthcare Solutions, your organization will have access to the highest purchasing tier possible and the best practices for supply chain clinical integration.

In the future, we will provide additional solutions based on your needs. These solutions will address insurance, pharmacy, EICU, reference lab and other collaborative opportunities.

We look forward to working with you to determine the solutions we can support for you and your organization.

For more information or to join our network, please contact:

David Gaston

System Senior Director, State Network
913-588-0728 | dgaston4@kumc.edu

Jeff Andersen

Vice President, Payor and Market Strategy
913-945-5369 | jandersen3@kumc.edu



THE UNIVERSITY OF KANSAS HEALTH SYSTEM

Q & A