



Implementing Sustainable Supply Chain Initiatives Within UCLA Health

Team: Sarah Paset, Lillian Wherry, Keethana Muthukrishnan,
Edward Galvin, Gabriel Hernandez, Ben Tran

Stakeholder: Sara Lindenfeld

Hospital Background

- UCLA Health
 - 600,000 patients per year
- UCLA's Ronald Reagan Medical Center
 - 200,000 patients; 520 inpatient beds
- Average occupied hospital bed
 - 26 lbs of waste daily

Hospitals Nationwide Generate Per Year:

5.9 million tons of waste
215 metric tons of CO₂ emissions



UCLA Health Sustainability: Accomplishments

Recycling Program for OR and ICU

Greener Bed Linen

Washable Precaution Gowns

Reusable Totes

Reusable Sharps Containers

Food Waste Collection

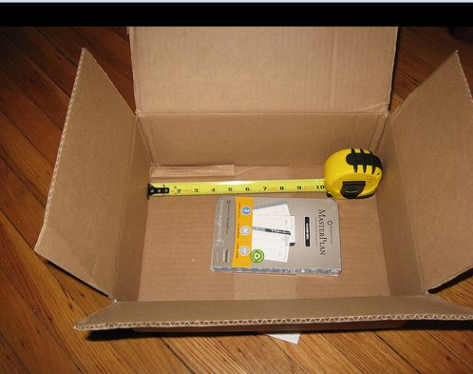
Dining Facilities Near Zero Waste



UCLA Health Goal: Achieve 50% diversion from landfills of total waste by 2020

Initiatives:

- Improving packaging materials
- Reprocessing of single use devices
- Reformulating OR kits
- EPEAT-registered computers
- Office supplies



Team Goals

1. Evaluate UCLA Health's supply chain
2. Research alternative products that other health centers are utilizing
3. Explore UCLA Health's current suppliers for sustainable products provided
4. Recommend greener products that will minimize UCLA Health's waste



Methodology

Literature
Review



Review Office
Supplies Purchasing
History



Review Healthcare
Purchasing History

Case Studies

UCSF Health



KAISER PERMANENTE®

Interview Experts



Hospital Tour



Research Product
Suppliers

Vernacare

Johnson & Johnson

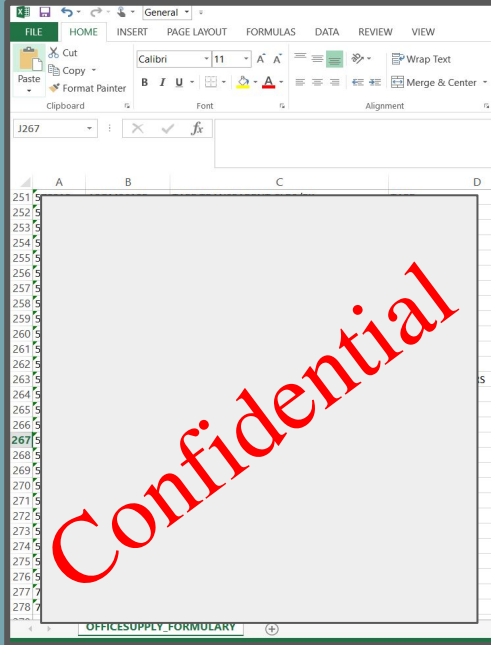
Determine Products



Recommend
Products to

UCLA Health

Office Supplies



UCLA Health Office Formulary



Conclusion: SAR Housing 2016 Catalog

Environmentally Preferred Office Products (available via the **OfficeMax** catalog in [BruinBuy](#))

	<p>Pilot® V-Board Master BeGreen 91% Recycled Dry-Erase Markers, Chisel Point, Assorted, Pack Of 5</p> <p>Item #: N143917</p> <p>Total Cost: \$5.49 Cost/Marker: \$1.10</p>	<ul style="list-style-type: none">• Contains 91% post-consumer content• Refillable for continued use & less waste (see below)• Assorted colors (black, blue, green, orange and red)
	<p>Pilot - Refill for BeGreen® V Board Master Dry Erase Markers</p> <p>(Red) Item #: N143924 (Green) Item #: N143925 (Blue) Item #: N143922 (Orange) Item #: N143926</p> <p>Red Refill Cost: \$0.69/Unit Green Refill Cost: \$0.63/Unit Black Refill Cost: \$0.95/Unit Blue Refill Cost: \$0.95/Unit Orange Refill Cost: \$0.95/Unit</p>	<ul style="list-style-type: none">• Sold individually• Durable Twin Pipe Feed System® provides consistent color intensity and ink flow
	<p>Office Depot® Brand Chisel-Tip Highlighter, Assorted Fluorescent Colors, Pack Of 12</p> <p>Item #: N20D78739</p> <p>Total Cost: \$2.50 Cost/Highlighter: \$0.21</p>	<ul style="list-style-type: none">• Barrel contains 100% total recycled plastic with 30% postconsumer recycled content.• Certified AP non-toxic• Assorted colors include Blue, Green, Orange, Pink, Purple, Yellow

Sustainability Action Research **UCLA** OfficeMax

Interviews

**“Go for smaller products that hit more drivers;
you want a story”**

*Hilary Beckmann, Associate Director of Sustainability at
University of California Office of the President*

**“Greening the supply chain is not an easy task...
doctors want to order their own preferred products”**

Jacquelyn Hedlund, Hematologist at the Maine Medical Center

Recommendations

Disposable → Reusable



Reusable Laryngeal
Mask

Improved Process



Sterilization
System

Improved Material



FlexiPort
EcoCuff

Challenges

- Navigating hospital regulations and protocol
 - Confidentiality
 - Liability
 - Infection Concerns
- Different values for stakeholders
 - Cost
 - Patient care
- Many individuals affected
 - Doctors, Nurses
 - Administration
 - Patients, Families
- Determining specific products
 - Unfamiliar products
 - Inconsistent terminology
 - Generalized information
 - Products already in use



Moving Forward



1. Connecting with Vendors
2. Implement Trial Periods
3. Host Focus Groups
4. Transition Purchasing
5. Evaluate Environmental Impacts Mitigated
6. Evaluate Improved Patient Care

THANK YOU



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