

# A Look Into UPMC

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#### **Our Mission**

UPMC's mission is to provide outstanding patient care and to shape tomorrow's health system through:

- Clinical innovation
- Biomedical and health services research
- Education





#### Where We Started → Where We Are Today

- In 25 years UPMC has gone from a three-hospital system to a \$10B Integrated Delivery and Finance System (IDFS)
- In last 8 years, Supply Chain has integrated 5 large hospitals into system
  - Passavant, Children's, Mercy,
     Hamot and now Altoona
- We also built 2 new hospitals
  - UPMC East & new Childrens





# A Strong Network of Hospitals, Outpatient Care, Pre- and Post-Acute Care, Home Care, and Rehabilitation Services







UPMC Home Care 483,000 visits



5,000+ Credentialed MDs



UPMC Senior Communities 18 facilities with 2,400+ beds/units







#### Where We Are Today: The Big Stats

#### **USNews BEST HOSPITALS HONOR ROLL 2012-13** Massachusetts General Hospital, Boston Johns Hopkins Hospital, Baltimore 3. Mayo Clinic, Rochester, Minn. Cleveland Clinic 2012-13 Ronald Reagan UCLA Medical Center, Los Angeles Barnes-Jewish Hospital/Washington University, St. Louis New York-Presbyterian University Hospital of Columbia and Cornell, N.Y. Duke University Medical Center, Durham, N.C. 9. Brigham and Women's Hospital, Boston 10. UPMC-University of Pittsburgh Medical Center 11. NYU Langone Medical Center, New York 12. Northwestern Memorial Hospital, Chicago 13. UCSF Medical Center, San Francisco 14. Mount Sinai Medical Center, New York 15. Hospital of the University of Pennsylvania, Philadelphia

- Largest employer in Pennsylvania, with nearly 60,000 employees
- More than 3,300 employed physicians
- More than 13,000 nurses & 1,600 residents
- 22 academic, community, and specialty hospitals and 400 outpatient sites
- Ongoing strategic affiliation with the University of Pittsburgh
  - Ranked among the top 10 recipients of NIH funding



16. Indiana University Health, Indianapolis

17. University of Michigan Hospitals and Health Centers, Ann Arbor

#### Where We Are Today: A Leader in Health Care IT

2013: Ranked #1 in InformationWeek 500 – top innovative companies





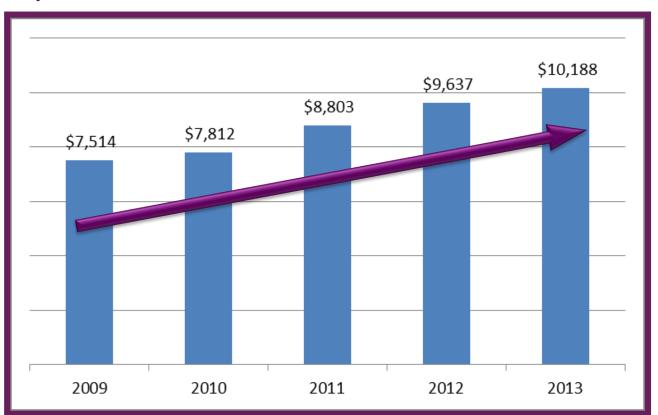
- Pioneer in developing and adopting technology to improve quality, safety, and efficiency
- \$1.5 billion investment over the past five years to support clinical excellence and create new models of care
  - Turning unstructured data into actionable information
  - Bringing personalized medicine to each patient



#### Where We are Today: Revenue Growth

#### Over \$10B Revenue

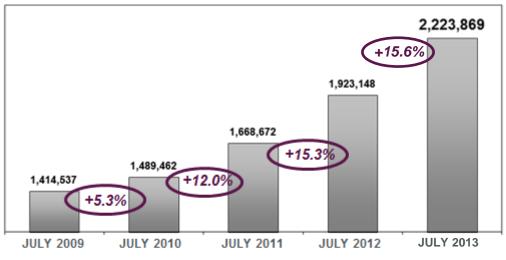
- UPMC's operating revenue has increased by 36% since 2009
- 8% compound annual growth rate allows UPMC to pursue various growth and community initiatives





### Where We Are Today: UPMC Health Plan Growth

#### TOTAL UPMC INSURANCE DIVISION MEMBERSHIP



- COMMERCIAL HEALTH MEMBERSHIP
- 376,453 376,453 376,453 376,453 317,569 421,786 421,786 421,786 421,786 421,786 421,786

- Membership growing at double-digit rates
- 1,411 new employer groups past year (+16%)
  - Retained 95% of existing businesses
- Over 2M Covered Lives



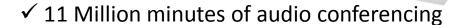




### **UPMC Supply Chain Environment: Yearly Purchases**







√ 26 Million lbs municipal solid waste

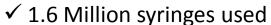
✓ 33,739 lbs of ground coffee

√ 8.1M Clorox wipes

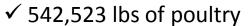
√ 84 Million exam gloves





















# TOPIC CHANGING MEDICINE

**UPMC Supply Chain Transformation** *"8 Years In, Almost There"* 

#### **UPMC SCM Transformation: Shared Services**

- Top Down Approach driven by Senior Leadership
- Standardization of systems and business processes
  - Quickly integrate merged hospitals / business groups to recognize economies of scale – systems and processes/policies.
- Corporate Services structure with centralized operations and support (IT, Finance, HR, Legal, Supply Chain, etc.)
  - Quickly merge similar operations into their respective corporate group/business.



U = YOU
P = PEOPLE
M= MUST
C = COMPLY





#### **UPMC SCM Transformation: Start with a Vision**

"We must continually challenge existing paradigms and create new ways of delivering value in an ever changing healthcare landscape."

J. Szilagy





# **UPMC SCM Transformation: Imperatives**

- Moved resources to more strategic activity
  - Automated transaction activity
  - Deployed "one place to buy" strategy
- Upgraded talent and improve skill sets



- Increased influence on non-traditional / new spend categories
- Deployed processes to manage new technology introduction
- Strong evidence & returns required for premium pricing
- Optimized the entire supply chain organization







#### **UPMC Supply Chain Environment: Recent Recognition**













IDN Summit 2011
National Award Winner(s)
for Efficiency & Innovation



#### **UPMC Supply Chain Environment: At-A-Glance**

#### Significant Spend

>\$2B Spend under control

#### Self-Contracted

~85% under local agreements

#### Self Distributed

- Consolidated Service Center
  - 150k sq ft distribution facility
- HC Pharmacy
  - Regional GPO
  - UPMC and Affiliated Hospitals
  - Outpatient Pharmacies
  - Cancer Centers

#### High Volume Shop

- 74,000+ invoices per month
- 9,000+ purchase reqs/week

#### Technology Driven Automation

- ProdigoMarketplace
- ProdigoXchange
   ProdigoMarketplace
- Voice Directed Picking
- PeopleSoft & Oracle WMS
- Fully Integrated Shared Services
  - Single point of contact for SCM
  - Evaluate, Contract, Purchase,Pay, Distribute, Repair, Replace





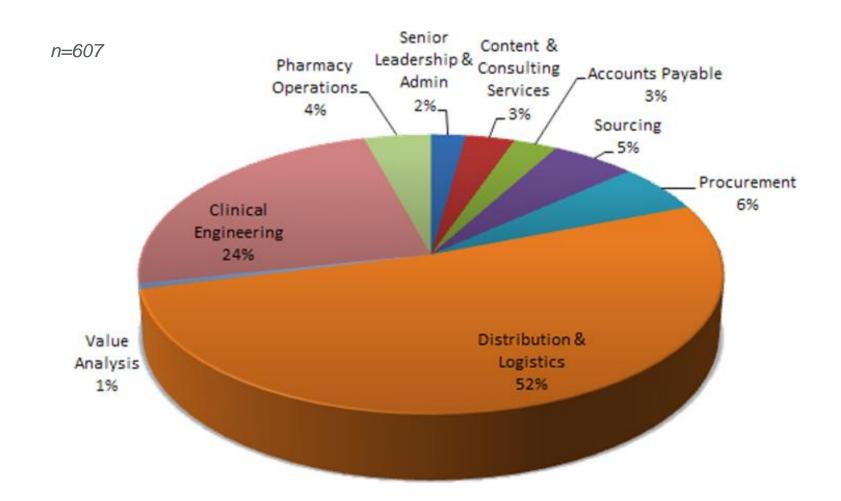
# **UPMC Supply Chain Environment: Services**

Name	Service
BioTronics Inc.	Clinical Engineering
Prodigo Solutions	SCM Technology
Affiliation Program	Support of Non-UPMC Entities
HC Pharmacy	Pharmacy SCM Services
СРАК	Pharmacy Packaging Services
Pharmacy Operations	Robotic Packaging
Clinical Equipment	Specialty Bed & Equipment Distribution
Employee Transit	Transportation Services
Moving & Storage	Asset Optimization

Name	Service
Materials Management	Onsite Supply Optimization
Distribution	Warehouse Services
Sourcing & Contracting	Cost & Risk Management
Buying	Product & Service Acquisition
Consulting	Project Management
Systems Support	PeopleSoft Support
Accounts Payable	Funds Disbursement
Supplier Relations	Diversity & Local Growth
Value Analysis	Evaluate Clinical Efficacy w/ Costs



# **UPMC's Supply Chain Environment: FTE Distribution**





#### AGENDA FOR SECOND HALF

#### Outline the strategy and operations for:

- How UPMC chooses its preferred products
- How UPMC contracts for preferred products
- How UPMC Distributes those preferred products

#### Provide thoughts and comments on *hot* topics including:

- Regional Aggregation
- Evolution of UPMC Supply Chain in era of reform
- Discussion: Effective ways for suppliers to work with UPMC



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#### **UPMC's Supply Chain Transformation: Process**

#### **Reinvent Value Analysis**

- Hired Clinicians to Manage Process
- Established Executive Oversight
- Mission is <u>preservation and</u> <u>improvement of the quality of patient</u> <u>care while controlling costs and risks</u>
- Key Tenets of Program
  - "Balancing Consensus with Speed of Decision"
  - "Balancing Clinical Efficacy with Cost"
  - "Products Should Meet the Needs of the System, but Not Exceed The Needs"







# **UPMC Value Analysis Teams**

Anatomical Pathology

Anesthesia

Beds

Cardiology and EP

Central Sterile

Chemistry

**Critical Care** 

Dialysis

Dietary

**Environmental Services** 

ET

Fleet Maintenance

GI

Hematology

**Infection Control** 

**IV** Therapy

Linen

**MACC** 

Microbiology

MIS

Neonatal

Ophthalmology

Orthopedics

Patient Care

**PCA** 

Pediatric

Peripheral and Vascular

**Phlebotomy** 

Plant Maintenance

Regional Anesthesia

Rehab PT-OT

Reprocessing

Respiratory Therapy

**Spinal** 

**Surgical Services** 

**Telecom Operations** 

**TIPAC** 

Trauma



# **UPMC's Value Analysis Process** Define Opportunity & Form Team



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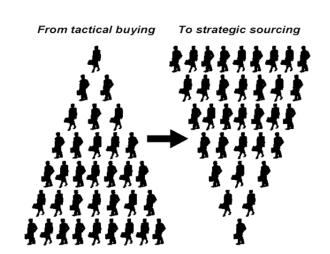
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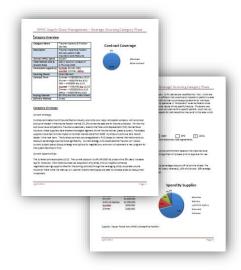
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#### **Internalize Strategic Sourcing**

- Use Automation to move FTEs from tactical to strategic work
- Best ROI comes from Sourcing...10:1
- UPMC locally contracts for all strategic PPI categories using our paper
- Supports Value Analysis program
- Category plans document current/future sourcing strategy...UPMC's strategy.
- Self-Contracting drives more value than self-distribution; both drive compliance.







#### **Strategic Sourcing – Integrated Category Teams**

# Clinical Capital Imaging

#### Clinical Capital

- Diagnostic **Imaging**
- Cardiolog v/Vascular
- GI
- Rentals
- Beds
- Patient Monitoring
- CRM
- Radiopharmacy
- Navigation
- Lasers
- Tables
- etc

# Care/Labs **Patient**

#### Anesthesia

- Exam Gowns & Gloves
- · Crit. Care
- Respiratory
- Enteral Feeding & Nutrition
- Medical Gases
- Dialvsis
- Laboratories
- Blood Collection
- IV Solutions and Fluids
- Urology
- Wound Care
- Enterstomal
- Patient Care
- Ophthalmology

# Neuro urgical

#### Wound $\mathbf{\alpha}$ Closure Electrosurgery

- Central Sterile
- ENT
- Spine / Neuro
- Perfusion
- OMF Implants Ortho and
- Trauma
- Soft Goods
- Surgeons Gloves
- Custom Packs
- Reprocessing
- Plastics
- Infection Prevention

#### Transportation

- Facilities
- Environmental
- Security

Construction

**Facilities** 

- Furniture
- Food Service
- Construction
- Utilities
- Linen
- Waste Management
- Freight
- Linen
- Fleet Vehicles

#### •IT Software

- Hardware
- Software Licensing
- Telecomm unications

**Telecommunications** 

Ø

 Technical Services

# Print **Corporate Services**

- Travel
- Temp Services
- Consulting
- Records Storage
- Office **Supplies**
- Human Resources
- Legal
- Transcription
- Advertising
- Mail Courier Service
- Copiers & Printers
- Office **Supplies**
- Furniture

**Clinical Sourcing** 

Non-Clinical Sourcing



#### **SELF-CONTRACTING = LOWER COSTS**

- Critical Clauses/Sections Include:
  - Affiliate
  - Market Competition
  - Best Price
  - New Product Introduction / New Releases Clinical
  - E-Commerce Business Process Requirements
- Recent Examples:
  - Orthopaedic Revisions Entirely New Strategy
  - Cardiac Rhythm Management New Product Introduction
  - Drug Eluting Stents Best Price & Market Competition
  - Blood Products Unprecedented "shared risk" contract



#### **SELF-CONTRACTING = LOWER RISK**

- Critical Clauses/Sections Include:
  - Unavailable Product(s)/Cost to Cover
  - Criminal Background Check; Drug Testing
  - Product Recalls
  - Right to Reject
  - Right to Audit
- Recent Examples:
  - Non-performing Sterilizer Right to Reject
  - Abdominal Binder Cost to Cover
  - Transportation Supplier Right to Audit





#### Price Focused GPO Contracts are Fine for Some Areas

- GPO contracts broadly do not address risk mitigation
- GPO contracts do deliver a "good" price on many products
- GPO's deliver value to Supplier when restrict Provider's choice
- GPO's deliver value to Provider when allow freedom of choice
- Who's strategy are you implementing with GPO contracts?

#### Self Contracting is Resource Intensive

- Sufficient staff to cover largest / most critical spend
- Contract Agent = 2x-3x Salary of tactical Buyer
- Standardized and pre-approved clause library
- Integration into financial and reporting systems
- Months to negotiate a local; minutes to use GPO





#### **GPO Power is waning /diminishing.**

- GPO power has risen and fallen over last decade or so.
- IDN self contracting, self distribution, and regional purchasing coalitions have all hurt their ability to drive change/drive market share...but hasn't necessarily driven down the admin fees that they collect.
- What is a GPO's Value Proposition to YOU?
- GPOs no longer able to give Providers a guarantee of the "best price" from their suppliers because they let hospitals self contract (directly or through a regional consortium)
- What happens to the GPO power as providers continue to consolidate, will it increase or decrease?



### **Should You Support Local Contracting?**

- Hospitals self contract because WHERE they deliver compliance (market share) to the suppliers they deserve to be incented/rewarded
- Question is, should you support local contracting or should you support the GPOs?
  - Hint: GPO's don't actually buy anything
- What does it take to drive compliance?
  - Geographic region might matter
  - Physician relationship with administration matters
  - Aptitude/skill/maturity of IDN supply chain absolutely matters
  - Teeth matter...you will be challenged, how will you respond?



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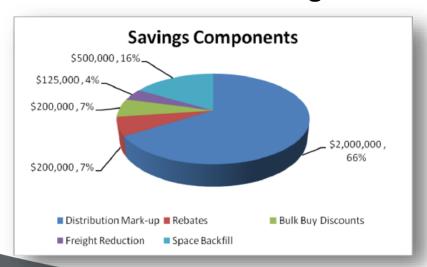




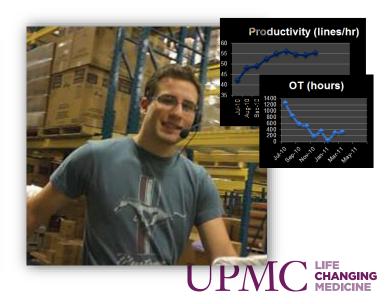


#### **Self-Distribution Drives Savings**

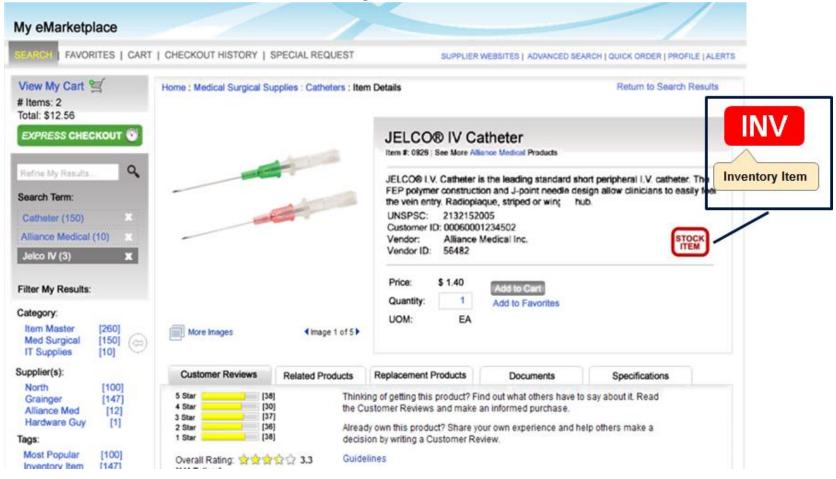
- Increases service capacity
- Supports future demand
- Supports affiliate / growth strategy
- Removes 3<sup>rd</sup> party costs
- Reduces waste
- Increases compliance
- Over \$1.1M annual net savings







**Self-Distribution Drives Compliance** 



NO COMPLIANCE = NO SAVINGS

UPMC CHANGING MEDICINE

# Many Reasons to Drive Self Distribution

- Lower Costs
- Satisfy Power / Ego
- Risk Mitigation / Continuity of Supply

#### Self Distribution is Resource Intense

- Significant start up costs (capital & labor)
- Outside area of expertise for most Providers
- Need for ROI varies with reason behind decision

# Self-Contracting eases Self Distribution; Not Required

- Local contracts more often contain distribution friendly terms (fill rate, rebate structure, fast pay discounts, etc) not contained in GPO contracts
- Can still do self-distribution with many GPO contracts



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#### Rate of Provider Consolidation is Increasing

"Only 13% of hospitals surveyed in 2012 intend to maintain independence from alignment with other hospitals or systems."

Strafford presentation that contains data from: Media Intelligence, M&A: Hospitals Take Hold, January 2012



## **Provider Consolidation Has Many Faces**

AFFILIATIONS	JOINT VENTURE	JOINT OPERATING AGREEMENT	MERGER	ACQUISITION
<ul> <li>Most flexible form of consolidation, though option of a weak vs. strong affiliation exists</li> <li>Utilized to increase footprint, gain economy of scale, create referrals, supplement an already successful set of services, exchange best practices</li> <li>Do not necessarily change management or governance</li> </ul>	<ul> <li>A mildly flexible arrangement</li> <li>Used to create something new (limited inpatient or outpatient activity, service, purpose) that may be overwhelming to do solo</li> <li>Shared governance between two hospitals</li> <li>Contains some form of profit/risk sharing.</li> </ul>	<ul> <li>Virtual Mergers, where assets may separate but services are coordinated</li> <li>New overarching governing board is created but hospitals maintain independent boards as well</li> <li>May borrow for capital investments as one organization</li> <li>Similar to a joint venture, but larger. Extends past just a specific service or activity</li> </ul>	<ul> <li>Mutual decision of two companies to combine</li> <li>Leadership may be a combination of the two hospitals or from an outside source</li> <li>Hospital's absorb each other's assets and debts</li> <li>Goal is to increase economy of scale, improve quality, increase market share</li> </ul>	<ul> <li>Purchase of one hospital by another</li> <li>Usually smaller acquired by larger, but not always</li> <li>Goals: increase market share, footprint, acquire additional services, financial stability</li> <li>Hospitals may continue to function semi-independently or make transformational changes to match buying hospital</li> </ul>

Source: "What Hospital Executives Should be Considering in Hospital Mergers and Acquisitions"

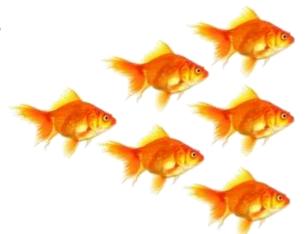
DHG Healthcare Winter 2013



## Is your IDN Integrated or Loosely Affiliated?

Integration Drives Compliance. What are some ways you can tell if a given large IDN or new mega-system is integrated or not? Can deliver market share to you or not?

- Single ERP system / buying platform?
- Single SCM organization?
- Self distributed?
- Self contracted?
- More than one GPO?
- More than one contract connection per spend category?
- What did they do with the last couple facilities they integrated? Did any products convert?





## Does Geography Support Today's IDN Compliance?

- One reason for UPMC's success in driving compliance is our close proximity to our key stakeholders/clinicians.
- UPMC has 61% market share in Allegheny County. We primarily serve only Western Pennsylvania. But what if...?







- The further dispersed geographically an IDN's facilities are, the less likely they are to implement self-distribution. Self-contracting is unrelated to geography.
- As IDN's grow beyond their home region, will they be able to support the same compliance levels as today?



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# Standardization increases risk and increases costs in the long term. Right?

 What if all the mega-IDNs of the future control 80% of the beds in the US?



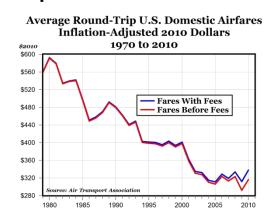
- What if majority standardize to the <u>same supplier</u> for a given product. What does this do to the other couple suppliers?
  - Increases risk of supply continuity failure (recall)
  - Short Term Failure to supply = loss of revenue on both parties
  - Long Term Failure to supply = reduced patient outcomes / death?
- To be successful in long-term, <u>Providers need to create and</u> support a competitive landscape in their supply categories



#### **Compliance & Volume Stifles Innovation?**

How many big companies continually drive innovation?







- Sustained competition drives marketplace innovation and lowers costs to the consumer.
- But what are we headed for in healthcare?
  - How many of our supply markets are already an oligopoly?
  - How many of those markets are trending towards fewer competitors rather than more?



## **Dual Source Strategy Drives Innovation?**



- Large IDNs will get larger
- Large IDNs will drive more standardization
- Large IDNs will use ever fewer suppliers
- A few suppliers will get larger and take more market share
- Once a supplier captures 40-50% market share they start to exhibit "bad supplier" behaviors:
  - forcing price increases, raising margins, innovating less, consuming smaller competitors, getting lazy, getting arrogant, etc.
- To drive competition and innovation, large IDNs should dual-source ...but suppliers penalize providers who do this
- Sole Source/High Compliance strategy is BAD long term for our industry and for patients. Stifles innovation raises costs



## **Providers Will Further Embrace Agnosticism**

### The decline of Physician Influence on Product Selection?

Unprecedented need to reduce costs = new conversations between administration and physicians = more open to change

- Pedicle Screws
- CRM Devices
- Emergence of generic implant companies
- Hospitals going into manufacturing



## Agnostic Data Systems are Required (big Data)

- Requirement of dual-source categories; need increasing
- Agnostic data drives better outcomes analysis
- Better outcomes analysis drives more business your way?



### Traditional Sales Practices Will Be Challenged

## Customer Segmentation Practices Will be Challenged

- Mega-IDNs will bring atypical ownership structures which will challenge current pricing practices.
- Affiliates, non-owned facilities, hybrids, acute care, primary care, alternative care, etc. Class of trade issues, etc.
- They won't care. One price. Same or better service.

## Supplier Staffing Models Will be Challenged

- What is role of "salesperson" in a mega-IDN?
- Where does "sale" occur?
- OEM discussions on reducing costs by reducing sales reps
- Unprecedented Requests to Cancel Contracts



## Suppliers Will Go "At Risk" Frequently & Substantially

- Move from "OR" to "AND" Must reduce costs and improve outcomes and increase patient satisfaction
- No Evidence = No evaluation.
- As mega-IDNs emerge, grow, and standardize, barriers to change increase dramatically.
- Will need mega savings *and* mega improvements in patient care for anyone to change. **Bigger players=Bigger game**



- Suppliers can reduce barriers to change by going "At Risk":
  - Performance Outcomes
  - Conversion Costs / Trial Costs
  - Guarantee Reduced Utilization, etc.



#### **UPMC SCM Transformation: The Path Forward**

- Automate transaction activity to deliver more value with less resources
- Product selections no longer based on Physician preference
- Increasingly fund SCM with external revenue sources
- Support Non-UPMC healthcare providers (Affiliations)
- Significantly limit the introduction of new technologies
- Fewer total suppliers Choose winners & losers
- Fewer total product options; Drive spend to products that deliver superior outcomes at same or lower cost; eliminate unnecessary waste
- Engage in strategic and collaborative relationships with a few suppliers
- Reduce practice variation/consumption by service line
- Drive to optimize intersection of Cost, Quality and Outcomes



## **THANK YOU**



## What does the future with supplier and provider consolidation hold for distributors?

- Distributors have it tough. They are battered from all sides.
- Distributors have to be friends with EVERYONE and meet everyone's needs but:
  - Distributor as a Distributor puts them at odds with IDN desire to self distribute
  - Distributor as a manufacturer (private label) puts them at odds with the same device manufacturers that are their bread & butter
  - Distributor as Salesperson (selling GPO or OEM products) might put them at odds with IDN that wants them to be strictly a service provider
  - So where do distributors go to NOT be in trouble with someone?
    - Distributor as 3PL to an OEM
    - Distributor being purchased by or purchasing a GPO
    - Consolidate w/other distributors and try to regain control

