# INVENTORY MANAGEMENT STRATEGIES

# WITH A COMPARISON OF PERIODIC & PERPETUAL INVENTORY SYSTEMS

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In a national survey performed by the Institute for Safe Medication Practices, 20% of practitioners surveyed reported that adverse patient outcomes occurred due to a lack of inventory management and monitoring of supply levels.\*

### THE PRESENTATION WILL DISCUSS:

DIFFERENT INVENTORY MANAGEMENT TOOLS & MANAGEMENT PROGRAMS

MANAGE ADEQUATE PAR LEVELS, DECREASE OVER SPENDING, STOCK OUTS, INCREASE STAFF SATISFACTION, AND ULTIMATELY IMPROVE PATIENT SAFETY

Institute of Safe Medication Practices (2010) NATIONAL SURVEY ON DRUG SHORTAGES REVEALS SERIOUS IMPACT OF PATIENT SAFETY, HTTP://WWW.SMP.ORG/RESSROOM/PR20100923.PDF HTTP://WWW.SMP.TYHETCENTER.ORG/GLIOBALASSETS/ SNC/PROGRAMS/INVENTORYMGM1/VECNA-CARES-OVERVEY-3-15 PDF

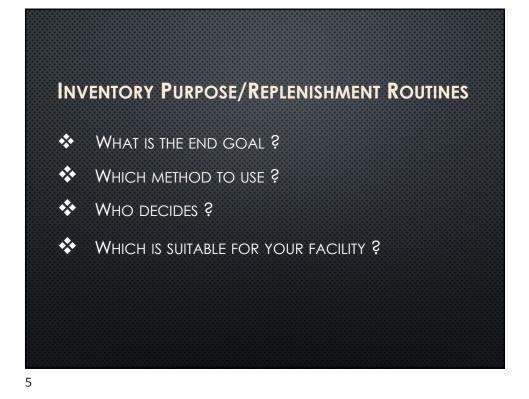
LEARNING OBJECTIVES:

✤IDENTIFY THE END GOALS OF ACHIEVING INVENTORY MANAGEMENT

OUTLINE DIFFERENT OPTIMIZATION STRATEGIES TO MANAGE INVENTORY

EXPLAIN THE DIFFERENCE BETWEEN COMPUTERIZED PERPETUAL INVENTORY, WITH STATIC SHELVING, AND THE CAROUSEL INVENTORY SYSTEMS

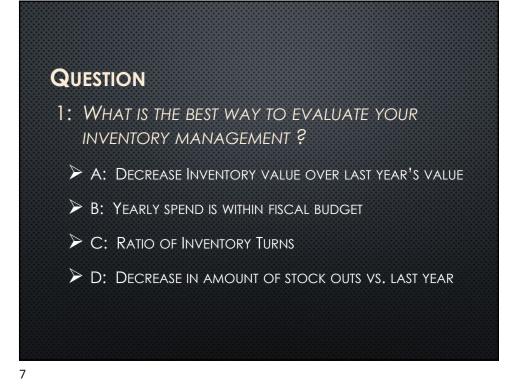
LIST THE ADVANTAGES AND DISADVANTAGES OF MANUAL AND COMPUTERIZED INVENTORY SYSTEMS



## **INVENTORY PURPOSE:**

THE ULTIMATE GOAL IN ACHIEVING INVENTORY MANAGEMENT IS TO MAINTAIN INVENTORY LEVELS THAT ESTABLISH DOLLAR BOUNDARIES...

WITHOUT INCREASING THE RISK OF HARM TO THE PATIENT.

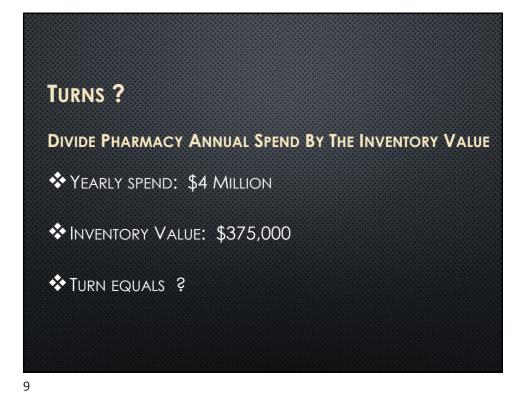


# **ANSWER**

1: WHAT IS THE BEST WAY TO EVALUATE YOUR INVENTORY MANAGEMENT ?

C: THE INVENTORY TURNOVER RATE IS THE MOST IMPORTANT METRIC FOR MEASURING PHARMACY INVENTORY. \*

\* HTTPS://WWW.PBAHEALTH.COM/MEASURING-PHARMACY-INVENTORY/



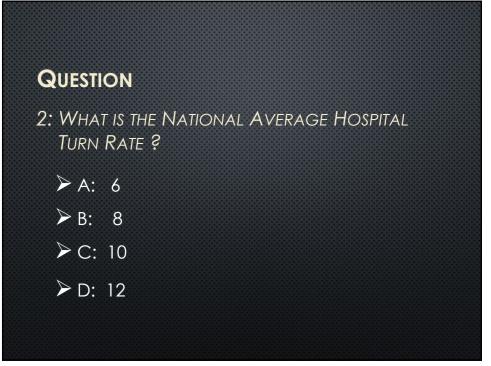
TURNS ?

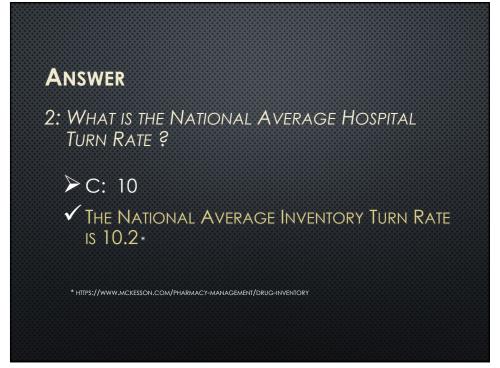
DIVIDE PHARMACY ANNUAL SPEND BY THE INVENTORY VALUE

✤ YEARLY SPEND: \$4 MILLION

✤ Inventory Value: \$375,000

**TURN EQUALS 10** 

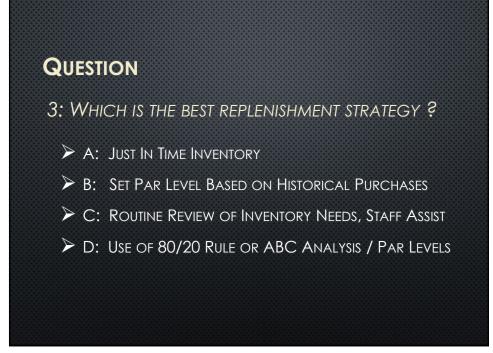


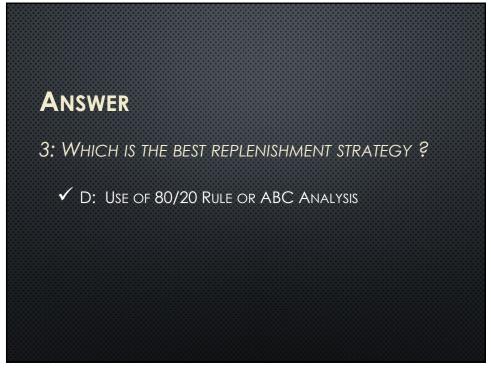


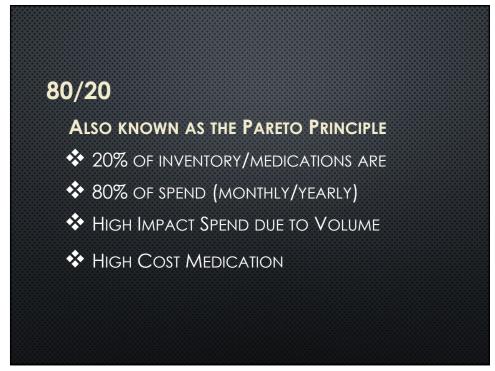
IN GENERAL, AN INVENTORY TURNOVER RATIO OF APPROXIMATELY 12 TURNS PER YEAR IS CONSIDERED OPTIMAL FOR MOST PHARMACY OPERATIONS.

This means, on average, the pharmacy will operate with about 30 days, or one month, of inventory on hand.\*

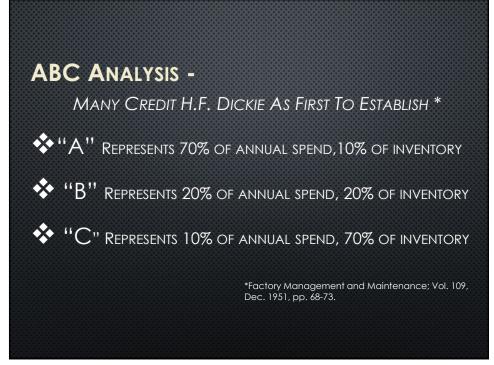
\* FINANCIAL ANALYSIS IN PHARMACY PRACTICE -AUTHORS, KEITH N.HERIST, BRENT L. ROLLINS, MATTHEW PERRI- RESEARCHGATE

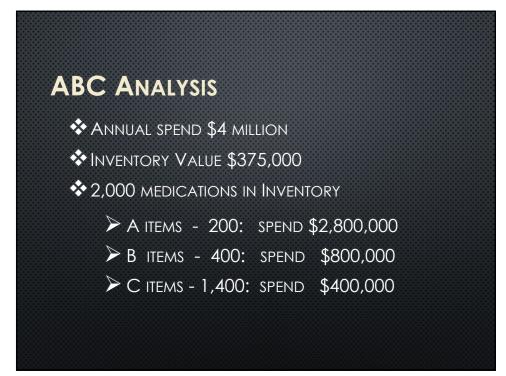










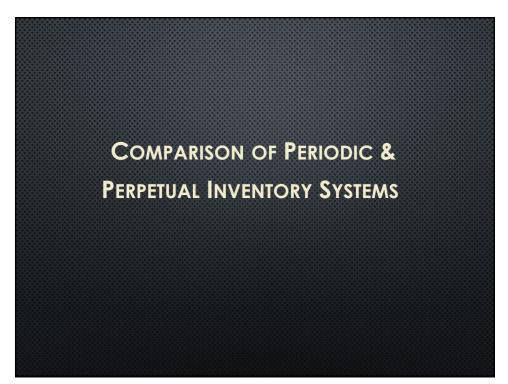


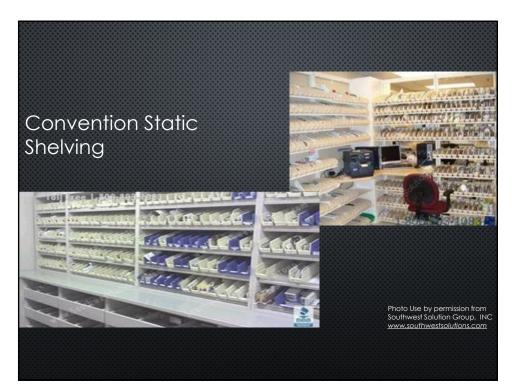




ESIABL	ISH PAR LE	VELS								
Detern	AINE REPLACE	EMENT VALUE	<b>(4</b> -day Mir	N & 7-DAY №	1ax)					
*	"A" REPLAC	e weekly, "I	B" 2 x MON	ітн, " <b>С</b> " мо	NTH	. <b>Y (1</b> O	r x 2)			
*	Replacemen	NT VOLUME,	PACKAGES	Size, Spend (	100	CT)				
		Reorder			Cost		Cost/ Order		Monthly	
	Min	Point	Max	Order Qty					Spend	
	dailu y A	Plus 1	Most On							
	daily x 4	day	hand							
Α	216	270	378	1	\$	793	\$	793	\$	3,17
В	216	270	756	5	\$	75	\$	375	\$	75
С	216	270	1620	14	\$	4	\$	62	\$	6

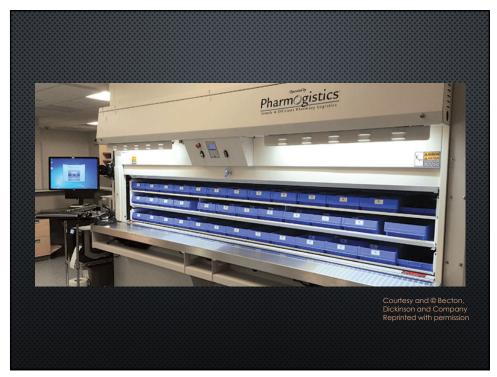


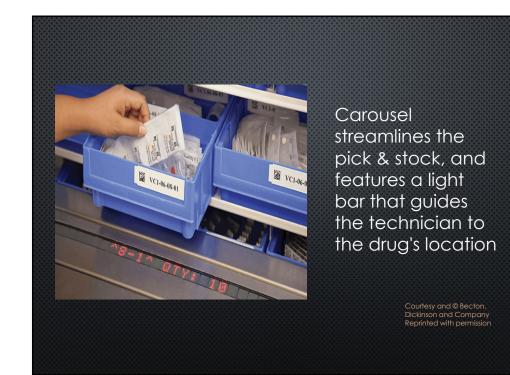










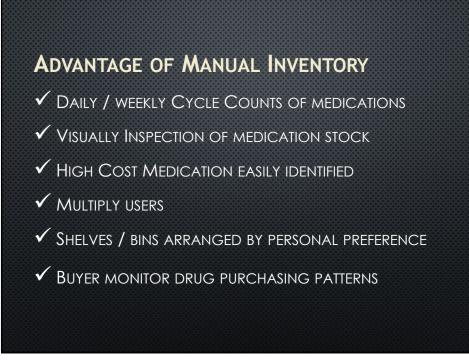


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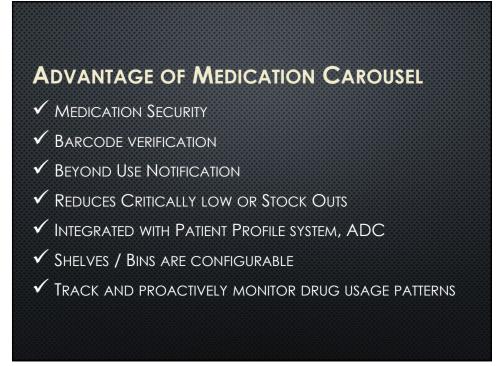
# **PERPETUAL METHOD:**

- Based on Barcode Technology
- Real time wireless technology transmits information to a central computer as transactions occur
- REPLENISHMENT BASED ON PRE-DETERMINED LEVELS
- TRACKING IS BASED ON USAGE
- > OPEN SHELVES OR CLOSET CABINETS



### Advantage of Perpetual Computerized Inventory

- ✓ MULTIPLE USERS
- ✓ BARCODE VERIFICATION
- ✓ BEYOND USE NOTIFICATION
- ✓ REDUCES CRITICALLY LOW OR STOCK OUTS
- ✓ INTEGRATED WITH DISTRIBUTORS, ADC
- ✓ Shelves / Bins are configurable
- ✓ TRACK AND PROACTIVELY MONITOR DRUG USAGE PATTERNS





- O MEDICATION SAFETY
- O BUYER WALKS SHELF DAILY
- O Order Replenishment based on personal option
- O TIME RESTRAINTS, PHARMACIST & TECHNICIANS
- O STOCK OUTS OR CRITICALLY LOW OVER WEEKEND
- O LACK OF PROPERLY TRAINED STAFF





- o Number of Scanners, need charging
- O BARCODE LABELING
- O DISTANCE OF PHARMACY SHELVES
- O SOFTWARE & SCANNER MAINTENANCE COST
- O DOWNTIME PROCEDURES
- O COMPLIANCE OF STAFF SCANNING

