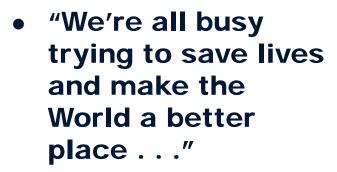


## Keys to Harmonizing Mission and Margin

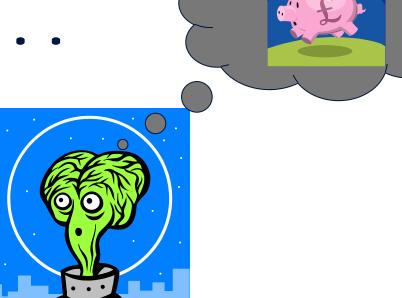
## The Problem . .

 "I think my CFO might be an Alien!"









## The Problem . .

 "Besides – Half the time I don't know what the heck he's talking about . . ." "... therefore; I believe we should examine the IRR and the EBITDA to determine the economic feasibility of the project. Don't you agree?

And blah, blah, blah and yakity <u>smakity</u> . . ."

 "It's always: Capitalize this, and Amortize that . . ."



"It's like he has his own language or something!"

### **Other Problems** . . .

• Limited Resources – We can't do everything, so how do we choose the best things?

• Unlimited Resources – leading to waste.

• No Finance-Related Problems Here – Just need to pick up some nice CE hours without being totally bored to death.





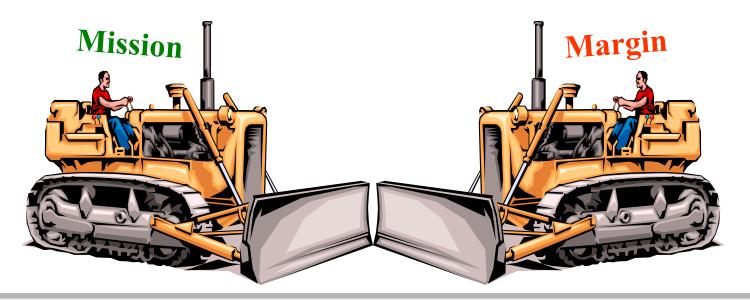
## For the Sake of Discussion . . .

• We'll assume that your problem is this guy . . .





# ... the seemingly competing interests of Mission and Margin?





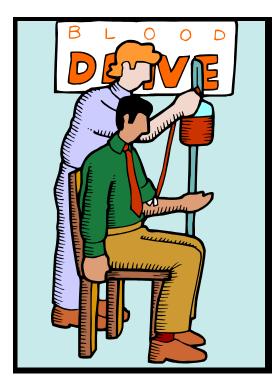


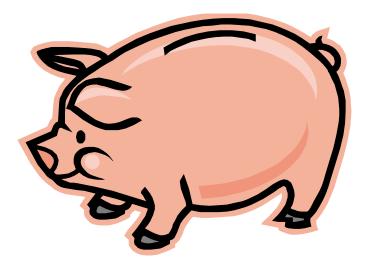
### **Does Money Matter?**

### Especially in a Non-Profit Medical Setting?



## **Margin Vs Mission**





#### • Which is More Important?

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## **Margin Vs Mission**

### **No Margin = No Mission**



### ... But What About ...

Boring?

### Confusing?

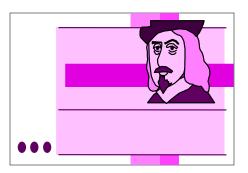
# Confusing . . . ? Not at All!

#### **Accounting = The Language of Business**

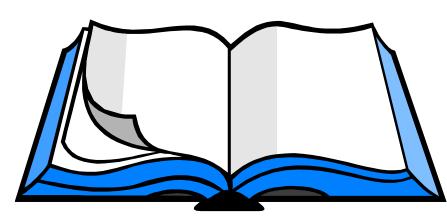


### Smash Through the Language Barrier





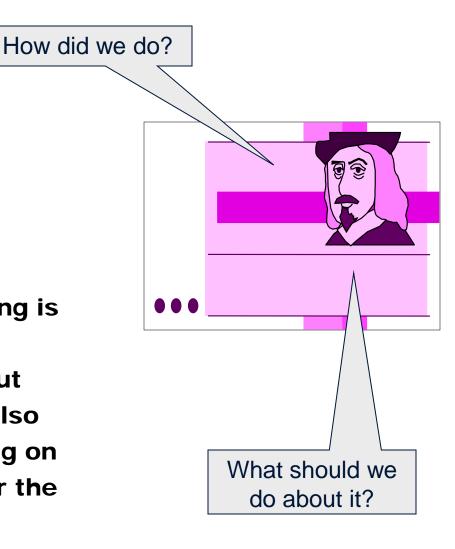
- Luca Pacioli
- Published Summa de Arithmetica in 1494
- First "Double Entry Accounting"



# History

#### Luca Pacioli

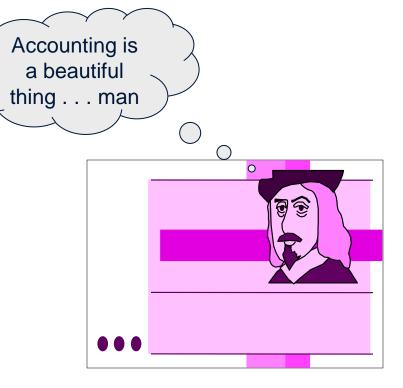
The major objective of accounting is to provide, without delay, information to the owner about his assets and liabilities. It also provides a means for reporting on stewardship and is a basis for the granting of credit.



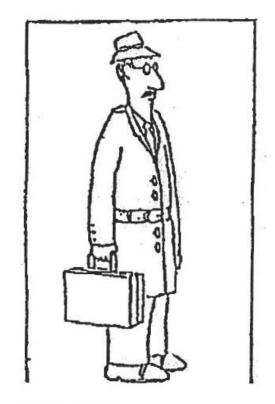
# History

#### Luca Pacioli

. . believed in those disciplines exhibiting a natural harmony and balance, with the ideas of perspective, proportion, and symmetry, and continually stressed the duality, integrating tendencies, and balancing features of the "double entry" methodology

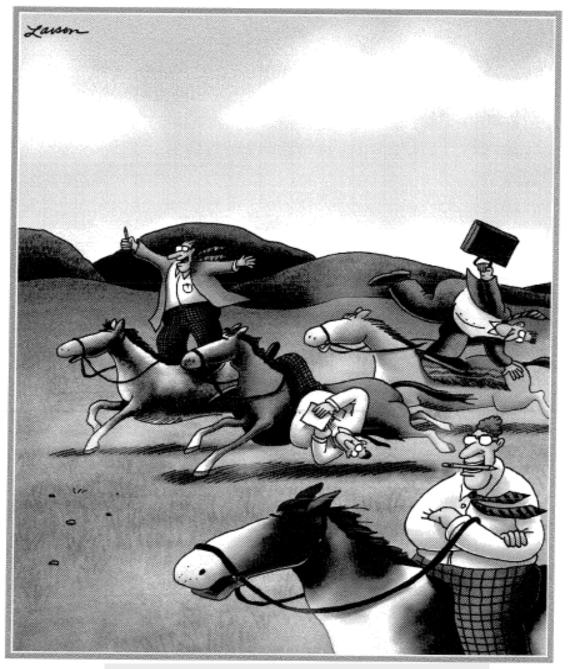


#### Two Years Later . . .



- April 15, 1496
- Ralph P. Needleman
- Invented the "Pocket Protector"

#### and later . . .



#### **Cossack Accountants**

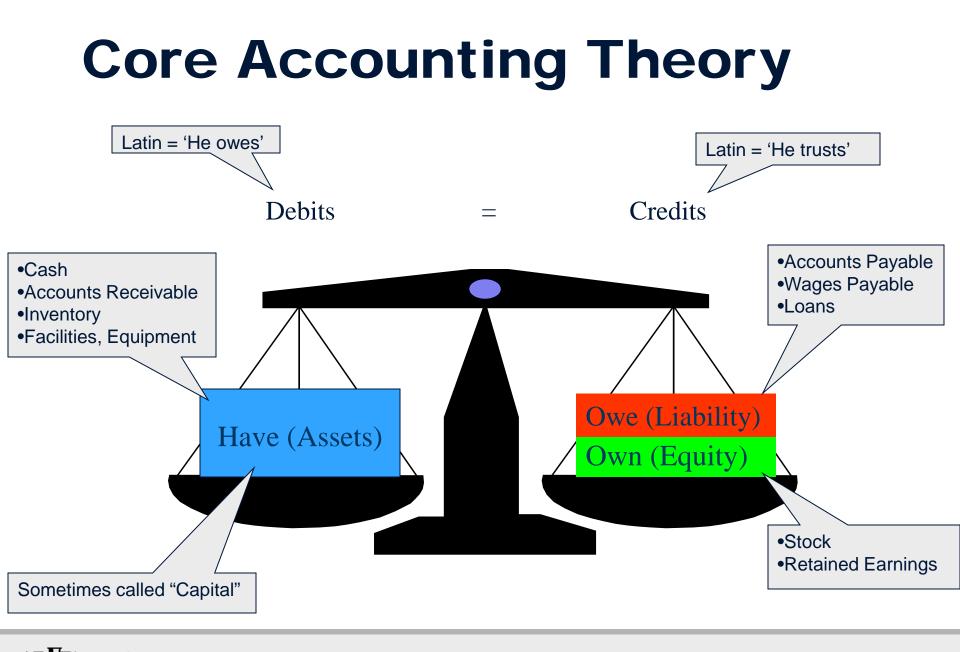
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# **Accounting Types**



Tax Accounting

Cost/Managerial
Accounting



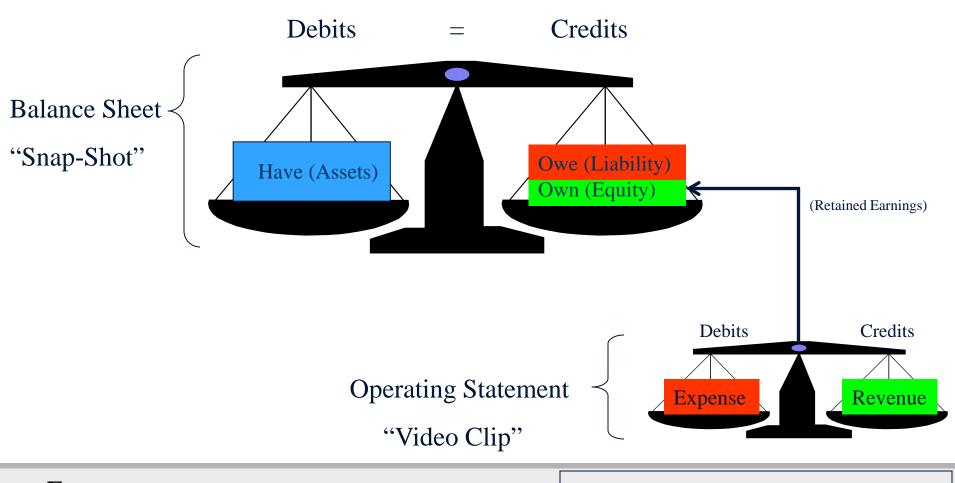
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## **Financial Statements**

- Balance Sheet
  - **AKA: Statement of Net Assets**
- Operating Statement
  - AKA: Profit & Loss Statement or "P&L"
  - AKA: Income Statement
  - AKA: Stmt of Revenue, Expenses, & Changes in Net Assets
- Cash Flow Statement



## **Financial Statements**

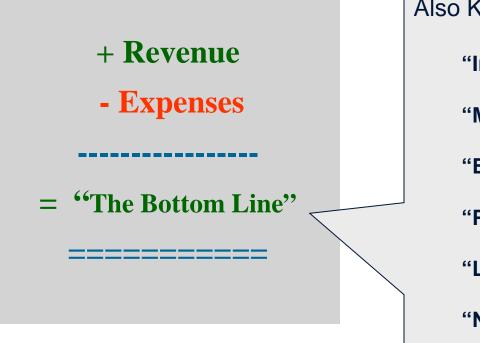


Let talk a minute about this "Net" thing

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## The "Bottom Line . . . "

#### A Rose by Any Other Name



Also Known As:

"Income" of "Net Income"

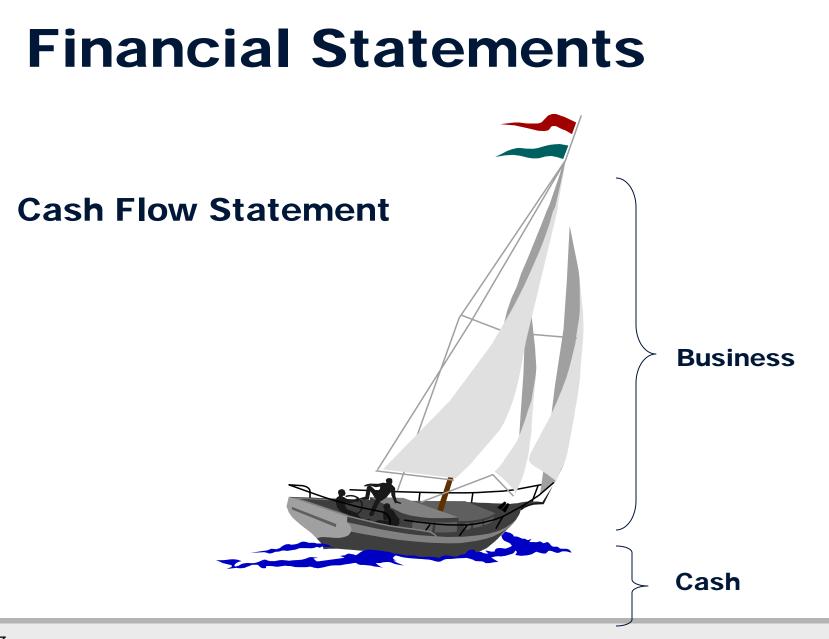
"Margin" or "Net Margin"

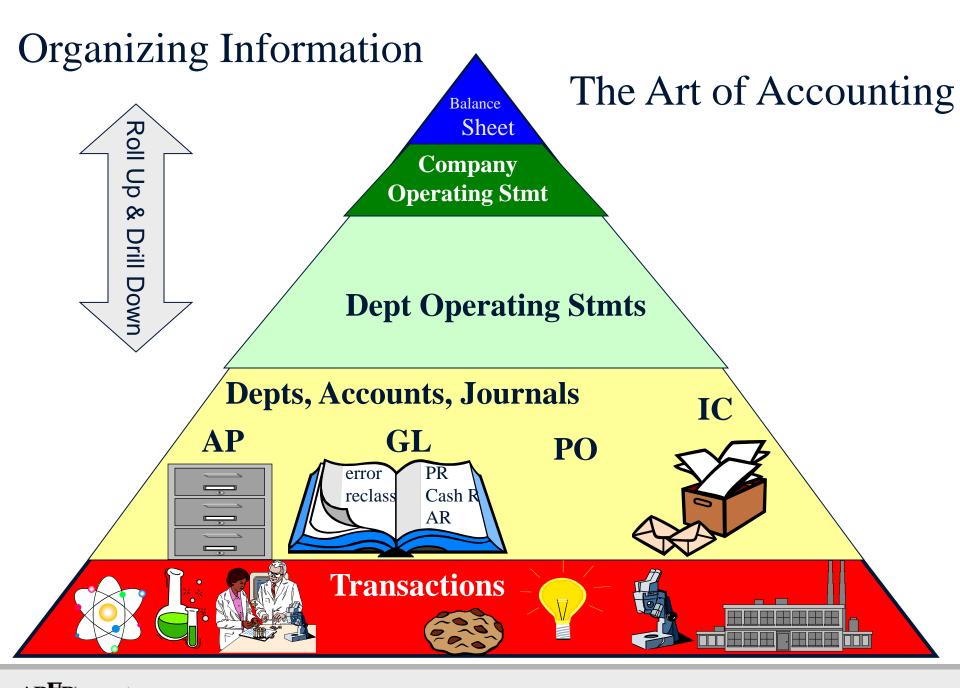
"Earnings" or "Net Earnings"

"Profit" or "Net Profit" (if positive)

"Loss" or "Net Loss" (if negative)

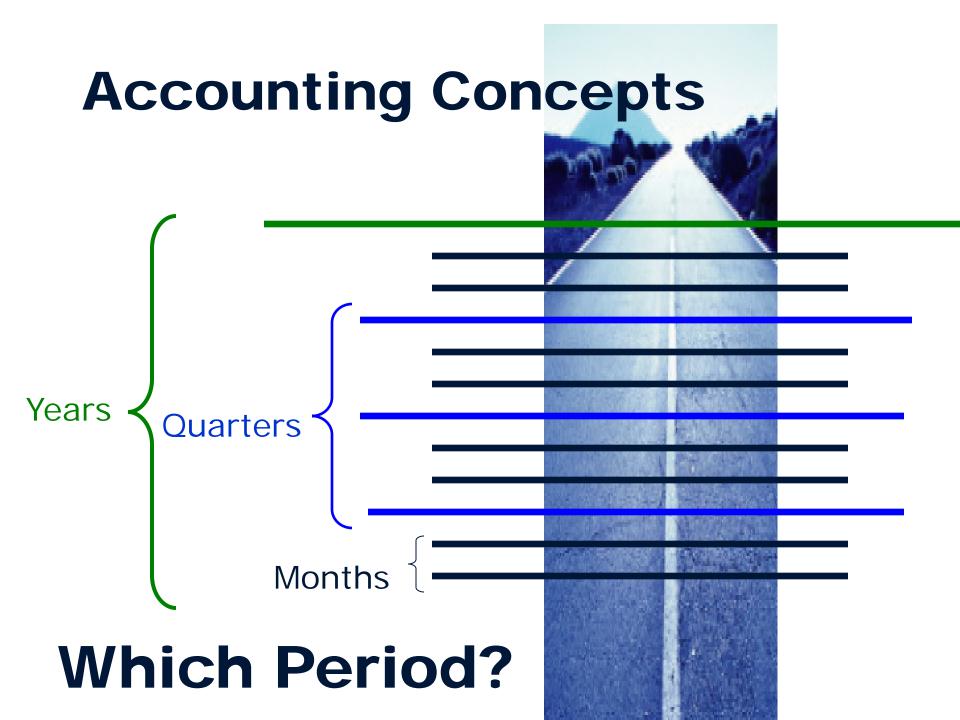
"Net"





Precision – Within Reason





Which Period?

**Cash Basis:** 

**Record Transactions in the Period Cash is Exchanged** 

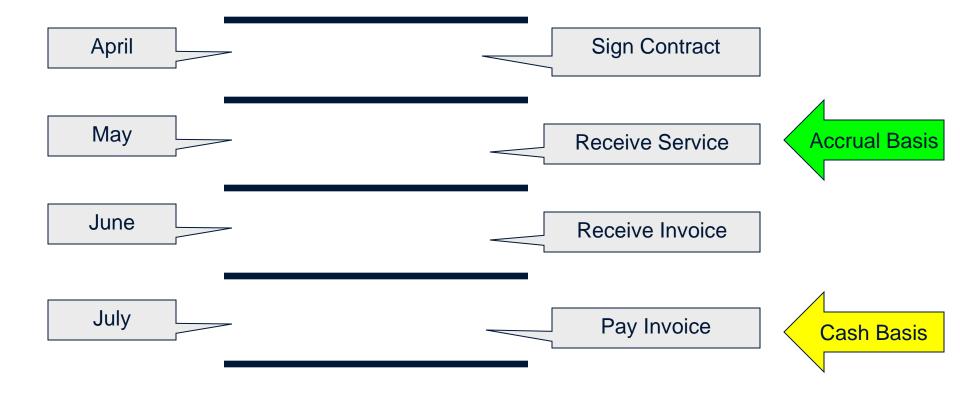
**Accrual Basis:** 

**Record Revenue in Period Earned** 

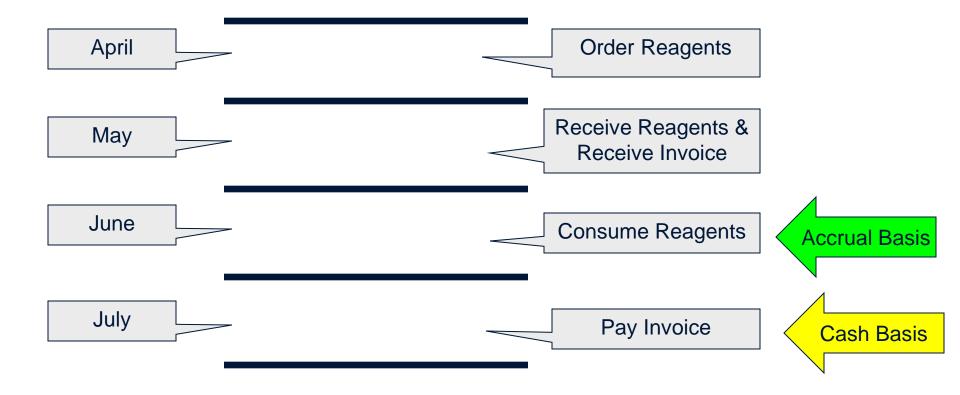


Record Expense in Period Service is Performed, or When Goods are Consumed

#### Which Period? - Example



#### Which Period? - Example



#### Which Period? (Related Terms & Concepts)

**Prepaid:** Pay up front. Spread expense across period used.

Capitalize: To record as an asset. (Expense later, when used)

Depreciate: To spread an asset's cost across the periods used.

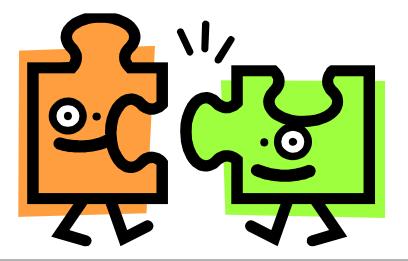
Amortize: Depreciation for intangible assets or liabilities.

Accrue: The act of moving revenue or expense to another period.

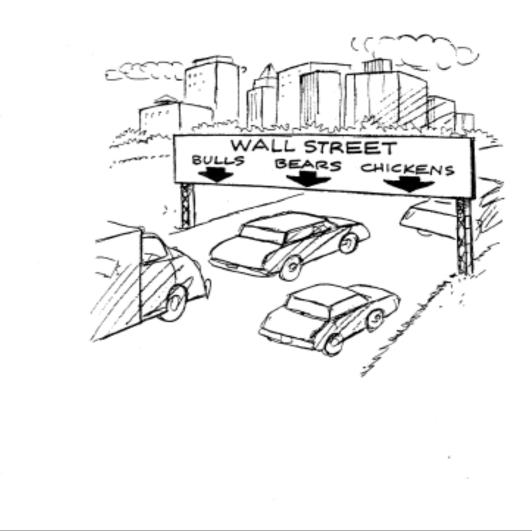
Which Period? (Related Terms & Concepts)

Match Expenses to Related Revenue

(Record them Both in the Same Period)



### Other Financial Terminology . . .

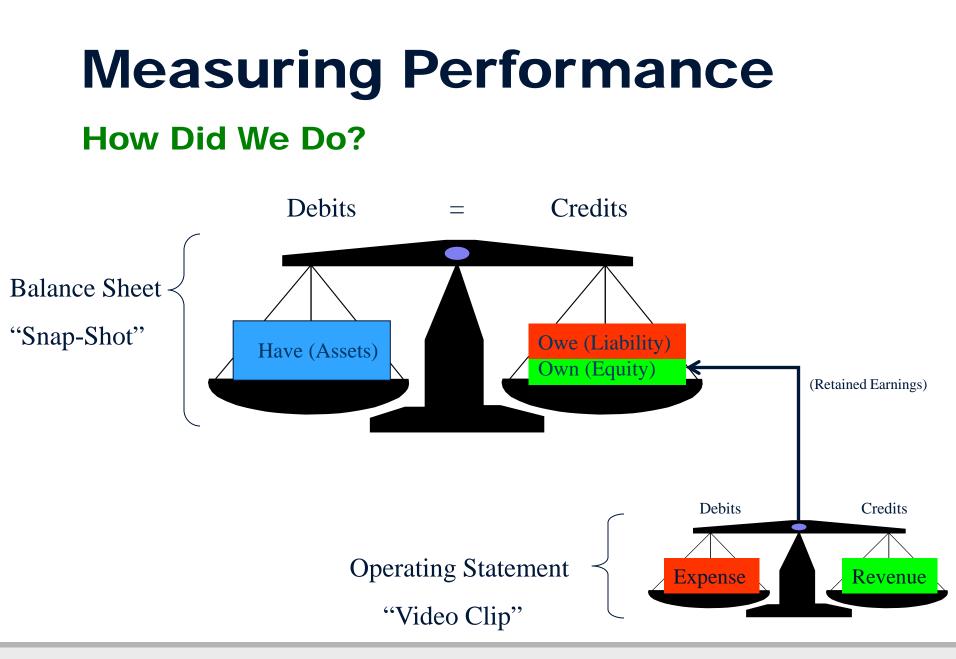


# **Measuring Performance**

#### How Did We Do?



### **Performance Indicators**



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## **Measuring Performance**

### How Did We Do? (Terms & Concepts)

Margin: Revenue minus expense

Net Margin or Net Income: Total revenue minus total expenses

**Common Size Income Stmt: Express expenses as a % of revenue** 

**Revenue per Unit: Revenue divided by some statistical unit** 

**Expense per Unit: Expense divided by some statistical unit** 

### **Common Size Income Statement**

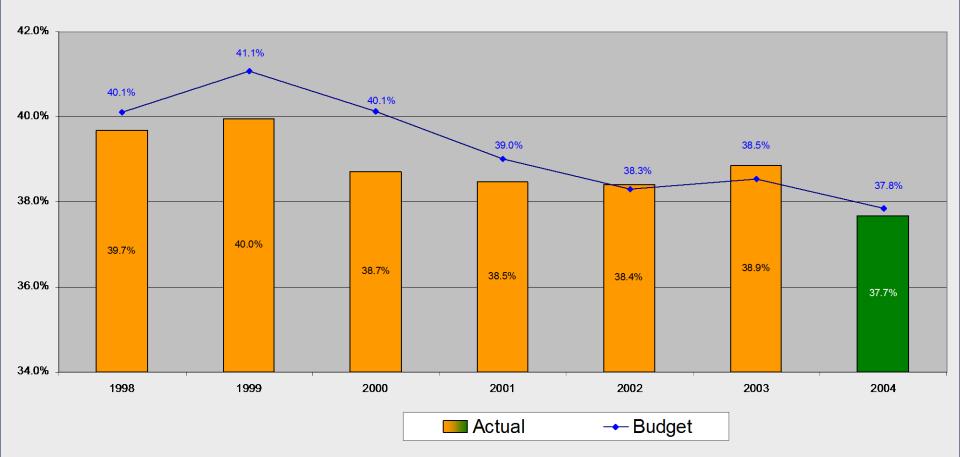
#### How Did We Do?



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Salaries and Wages as a Percent of Revenue



### **Improving Performance**

#### **Turning Information Into Action ...**



What Should we Do About It? 9 Ð **Referral Testing Expense as a Percent of Revenue** 12.0% 11.0% 10.0% 9.4% 8.9% 9.0% 8.6% 8.2% 8.1% 7.9% 11.1% 8.0% 7.4% .3% 9.6% 9.3% 7.0% 8.1% 7.8% 7.7% 7.6% 7.0% 6.0%

Mid-02

Actual

2002

-----Budget

2003

2004

2005

5.0%

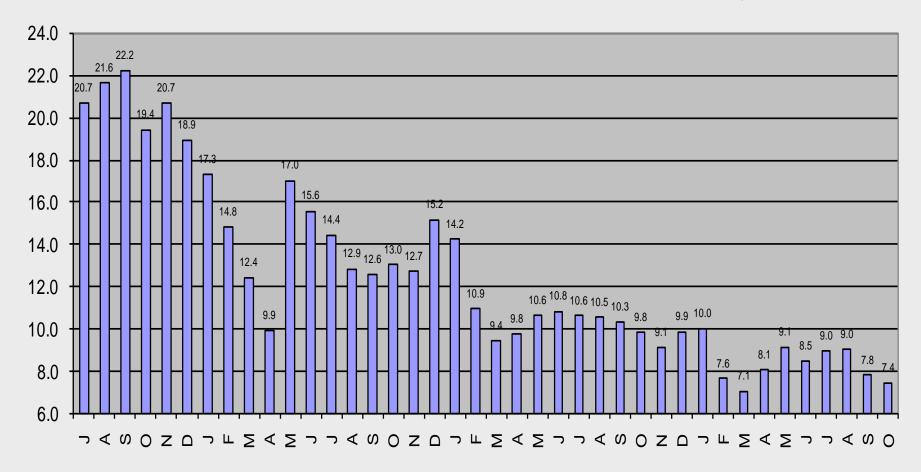
1999

2000

2001

What Should we Do About It?

#### Percent Accounts Receivable Greater Than 90 Days





Pay Back Analysis



- Simple Rate of Return
- Net Present Value (NPV)
- Internal Rate of Return (IRR)

# Pay Back Analysis - Formula

Investment Required

Net Annual Cash Inflow Pay Back Period

# Pay Back Analysis - Example

ABC Blood Bank buys a Platelet Incubator for \$100,000. The instrument will provide \$25,000 per year in net positive cash flow. How long will it take for ABC to recoup their investment in this instrument?

\$100,000

4 Years

\$25,000

### Simple Rate of Return - Formula

Incremental Incremental Revenues Expenses\*

**Initial Investment** 

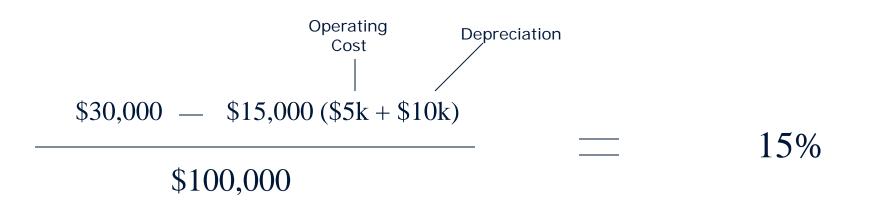
Simple Rate of Return

\* Including Depreciation

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### **Simple Rate of Return - Example**

ABC Blood Bank buys a Platelet Incubator for \$100,000. The instrument will support a \$30,000 per year increase in revenue and will cost \$5,000 per year to operate and maintain. The instrument will be depreciated over 10 years, at a rate of \$10,000 per year. What is ABC's simple rate of return on this investment?

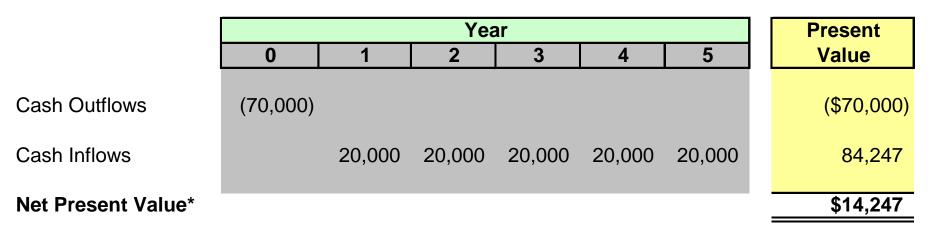


#### Net Present Value (NPV) - Formula



#### Net Present Value (NPV) - Example

ZYX Medical Center buys a Apheresis Separator for \$70,000. The machine will produce net positive cash flows of \$20,000 per year over its 5 year life. What is the Net Present Value of this investment?



\* Assumed Interest Rate = 6.0%

#### Internal Rate of Return (IRR) - Formula

The interest rate that will cause the Net Present Value of an investment project to be equal to zero.

#### Internal Rate of Return (IRR) - Example

ZYX Medical Center buys a Apheresis Separator for \$70,000. The machine will produce net positive cash flows of \$20,000 per year over its 5 year life. What is the Internal Rate of Return on this investment?

	Year							Present
	0	1	2	3	4	5		Value
Cash Outflows	(70,000)							(\$70,000)
Cash Inflows		20,000	20,000	20,000	20,000	20,000		70,000
Net Present Value*						_	=	\$0
* Assumed Interest Rate =	13.2%							
Internal Rate of Return								13.2%

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# Margin and Mission

#### Margin + Mission = More Mission!



