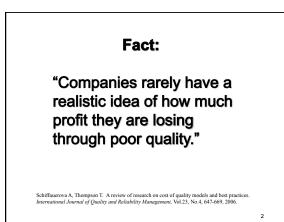
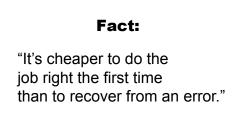
Reality Check on the True Cost of Recurring Bad Quality in Your Lab... • How to Find It • How to Fix It • How to Sustain the Cost Savings Lucia M. Berte www.LaboratoriesMadeBetter.com





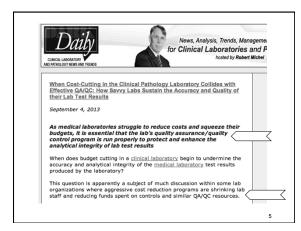
Philip Crosby

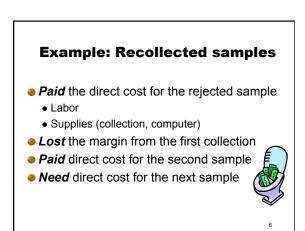
A lab that didn't "get it"...

Baltimore Sun, August 13, 2004

Lab workers warned Md. General 2 years ago "Laboratory workers at Maryland General Hospital warned top hospital administrators and state officials in writing nearly two years ago of serious and long-standing testing problems that put patients and employees at risk..."

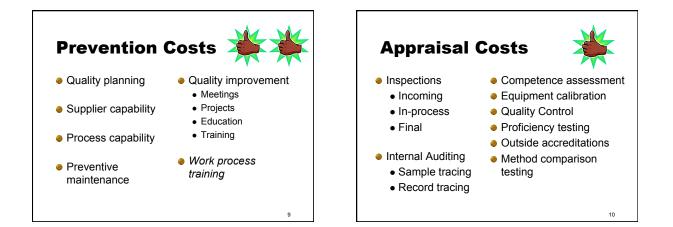
...and you know the rest of that multi-million dollar fix-it story...



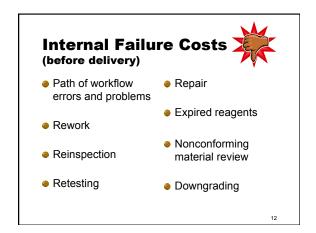


What's the cost of quality in YOUR laboratory ?

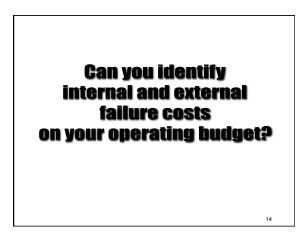




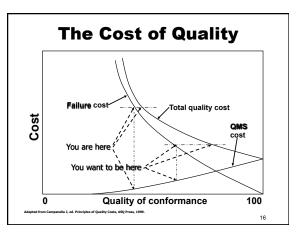




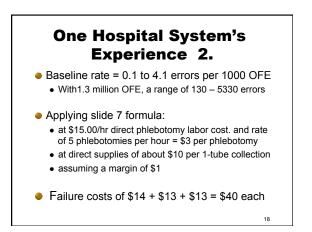




Sigma Level	Yield	DPM	COPQ
1	31%	690,000	Not competitive
2	69.1%	308,537	Not competitive
3	93.3%	66,807	24% to 40% of revenue
4	99.4%	6,210	15% to 25% of revenue
5	99.98%	233	5% to 15% of revenue
6	99.9997%	3.4	<1% of revenue





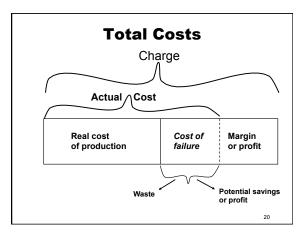


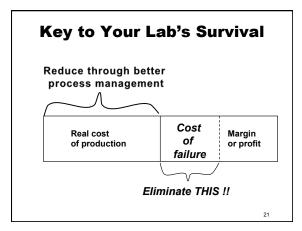
One Hospital System's Experience 3.

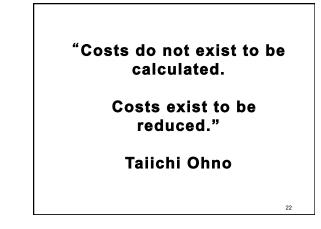
- @ \$40 failure cost per error = \$5200 \$213,200
- A 37% statistically significant decrease in errors in the collaborative over the 18 month period
- Post intervention error rate of 0.0 to 1.3 errors

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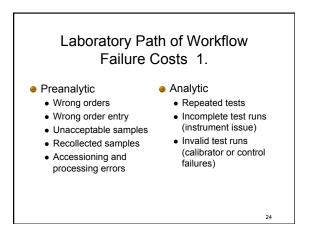
• Failure cost reduced to \$0 for one hospital!

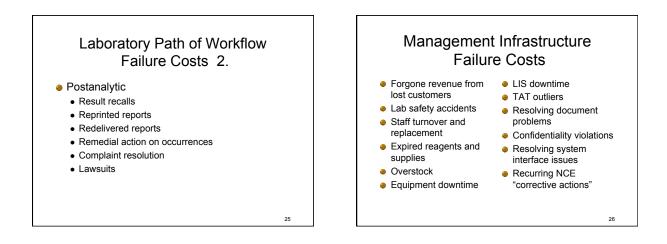


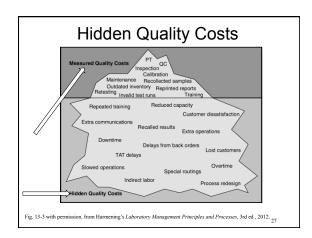




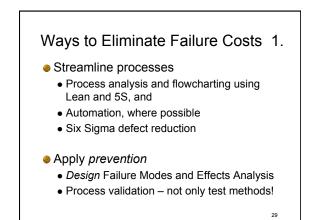


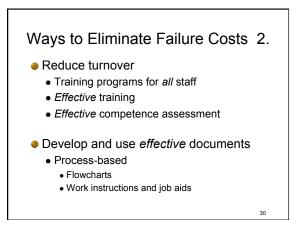












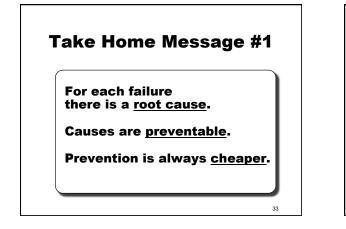
The Cost of Quality

"For organizations that do not have a formal effort to reduce chronic and sporadic problems, operations managers often spend 30% of their time on troubleshooting.

For the supervisors reporting to these managers, the time consumed frequently exceeds 60%."

Joseph Juran





Take Home Messages 2-8

- Know the 4 types of quality costs P, A, IF, EF
- Identify P and A costs on your lab's budget.
- Calculate IF and EF costs and prepare reports
- Invest in P and A to ↓ IF + EF
- ${\ensuremath{\, \bullet }}$ Use RCA and CI to further ${\ensuremath{\, \bullet }}$ A
- The language of the C-Suite is \$\$\$\$\$\$

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Additional Resources

- Schiffauerova A, Thompson T. A review of research on cost of quality models and best practices. International Journal of Quality and Reliability Management, Vol.23, No.4, 647-669, 2006.
- Reducing errors in blood specimen labeling: A multihospital initiative. Pennsylvania Patient Safety Advisory, 2011 Jun; 8(2):47-52.
- Berte LM. The Cost of Quality. In: Harmening DM. Laboratory Management Principles and Processes, 3rd ed. St. Pete, FL, DH Publishing and Consulting, Inc. 2012.
- Wood DC, mng ed. Principles of Quality Costs, 4th ed. Milw, WI: ASQ Quality Press, 2013.
- Wood DC. The Executive Guide to Understanding and Implementing Quality Cost Programs. Milw, WI: ASQ Quality Press, 2007.

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