Integrating the Baldrige Business Model in Healthcare:

Our Journey To Performance Excellence

Sherry Marshall, RN

Vice President, Quality

E. E. Fibuch, MD

Professor and Chairman, Department of Anesthesiology University of Missouri-Kansas City School of Medicine Associate Director of Medical Affairs Saint Luke's Hospital, Kansas City, Missouri

The Quality Colloquium August 22 – 25, 2004

Kansas City, Missouri



Where We Came From...

- Founded in 1882
- Reverend Henry David Jardine
- Articles of Agreement dated
 October 3, 1882
- Charity care was an important aspect of the agreement
- New hospital was designated a teaching institution





Who We Are Today...

- 582 beds
- 3186 employees
- 500 physicians
- Not for profit
- Tertiary care referral
- Protestant Episcopal Church
- Primary teaching hospital –
 UMKC School of Medicine
- Level I Trauma Center
- Centers of Excellence
- Level III Neonatal care



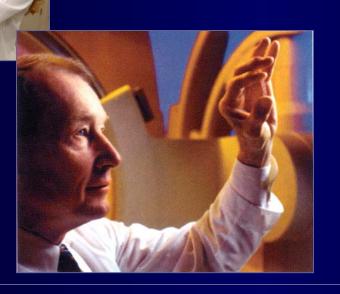


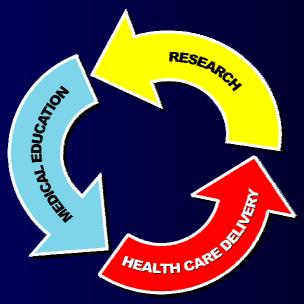




Mission

Committed to the highest levels of excellence in providing health services to all patients in a caring environment...dedicated to medical research and education.





Saint Luke's Hospital What We Stand For...

Our Core Values

- Quality/Excellence
- Customer Focus
- Resource Management
- Team Work

122 Years

Serving Kansas City and the Region

Be the Best

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- Identify/Analyze Problems
- High Quality
- Corporate Compliance
- Courtesy/Respect
- Customer Satisfaction
- Ethics/Confidentiality
- Celebrate Diversity
- Cost Effective
- Flexibility
- Cooperation
- Honest Communication
- Team Culture
- Recognize Achievement

Rationale Why Pursue Baldrige? ...Because It's Logical!

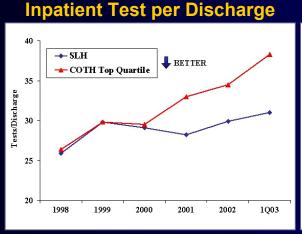
Leadership
Strategic Planning
Focus on Patients, Other Customers, and Markets
Measurement, Analysis, and Knowledge Management
Staff Focus
Process Management

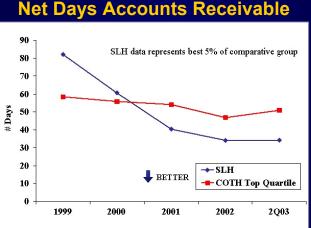


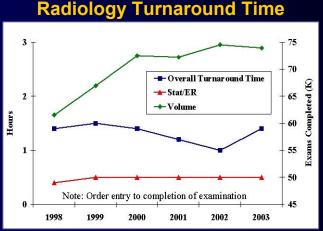
ORGANIZATIONAL PERFORMANCE RESULTS

Criteria Provide a Framework for Organizational Activity

- Tailored to each organization
- Emphasizes strong leadership in an empowered work environment
- Drives continuous improvement
- Focused on results





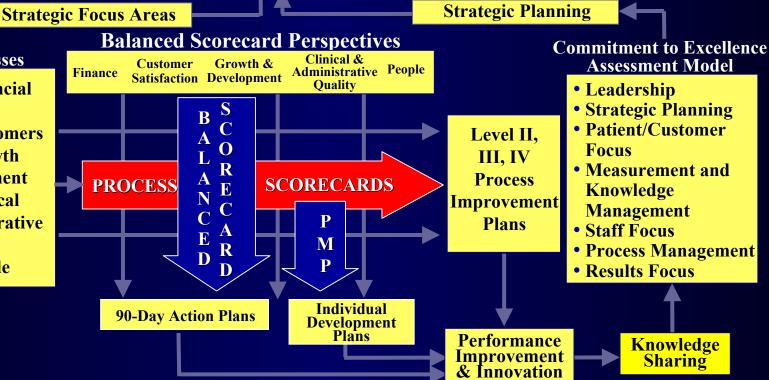


Saint Luke's Hospital SLH Leadership for Performance Excellence Model

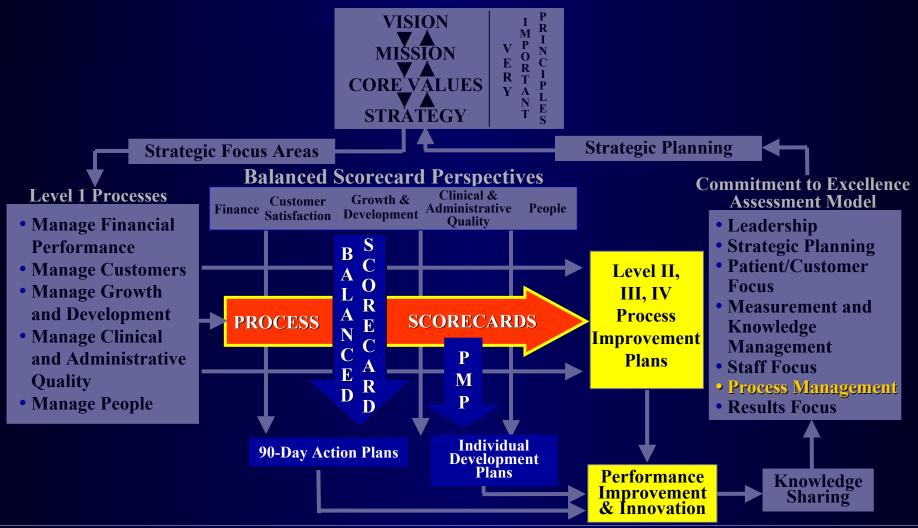




- Manage Financial Performance
- Manage Customers
- Manage Growth and Development
- Manage Clinical and Administrative Quality
- Manage People



Saint Luke's Hospital SLH Leadership for Performance Excellence Model



Physicians as Partners

President	Ann Warner, MD	Customer Satisfaction	Kevin Thorpe (VP)	
President Elect	Michael Borkon, MD	Growth and Development	George Hayes (COO)	
Vice President	Mark Bernhardt, MD	People	Dawn Murphy (VP)	
Secretary/ Treasurer	Fred Plapp, MD	Financial	Jama Johnson (CFO)	
Immediate Past President	Peter Holt, MD	Clinical and Admin Quality	Mary Ellen Doyle (CNO) and Mark McPhee, MD (VP)	

Saint Luke's H **Performance Mea**

Balanced Scorecard

Primary measurement

SCORING CRITERIA Stretch Goal Risk Target Moderate 10 9 4 3

- 5 perspectives
- Key measures linked to strategy
- Scoring criteria set by statistical methods and benchmarks
- Tracks overall organization performance
- Provides organizational alignment

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i i	Jol	b Coverag	e Rat	io			
		**Compet	ency				

**Employee

Key Measure

Operating Margin

Days Cash on Hand

Longer Than Expected Wait Time (IP:OP:ED)

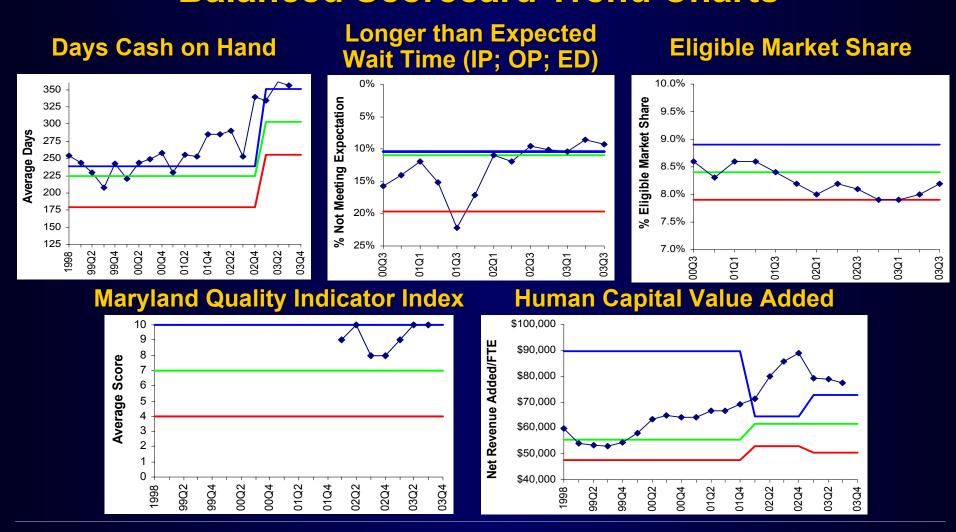
(IP:OP:FD)

Cost per CMI Adjusted

Overall Score	7
Goal	7

Stretch

Saint Luke's Hospital Performance Measurement Balanced Scorecard Trend Charts



Saint Luke's Hospital Performance Measurement

Saint Luke's Hospital
Growth and Development Perspective
Highlights, Next Actions, Trends
3rd Quarter 2003

QUARTERLY HIGHLIGHTS

- The Community Market Share measure met goal for the 3rd quarter.
- Certificate of Need granted for the Novalis Radiosurgery System.
- Continued implementation of H*Works initiatives to increase surgical case volume/throughput.
- · Listening sessions for input on design of "New Saint Luke's" continuing
- Cushing Memorial Hospital accepted Laboratory Services proposal for reference lab services
- Saint Luke's South Primary Care is now referring patients to the Sleep Disorders Center
- Deployment of "Day Before Discharge" discharge planning is continuing. Goal is to improve throughput and capacity

NEXT ACTIONS

- Finalize operational/location issues associated with Novalis Radiosurgery System
- Facilitate discussions with select physician specialties impacted most by malpractice situation to evaluate alternatives to mitigate that impact
- · Continue listening sessions for the "New Saint Luke's"
- Formulate agreement with Ray County Hospital to perform sleep studies there
- Work with Medical Staff leadership to identify solutions to the increasing number of unassigned patients in the ED
- Investigate possibility of CV surgeons performing PDA ligations on neonates
- · Continue deployment of Medical Staff Development Plan.
- Develop business plan/model for plastic surgery/wound care services

Saint Luke's Hospital 90-Day Action Plans

- Making it "real" for leaders....
 - Operating Margin
 - Patient Safety Index
 - Inpatient Satisfaction
 - Revenue Growth
 - Retention

BSC Departmental Report Form

Department:	Department:		Sen	ior Leader:		
Department Director/ Manager:			Date of Report:			
Monthly				•••••••••••••••••••••••••••••••••••••••		i
Performance Level September 2003		DEEP BLUE Stretch Target 10 Outstanding	LIGHT BLUE Stretch 9,8 Exceeds Expectation	GREEN Goal 7 Meets Expectation	YELLOW Moderate 6,5,4 Needs Improvement	RED Risk 3,2,1 Immediate Action
Danier a stiere	M 41- L -			i OiAi 10/	2001	
Perspective (Measure)	Monthly Performance		Sco	ring Criteria (2	บบสุ	
Financial (Operating Margin)	6.18%	> or = 12.0%	9.0 - 11.9%	6.1 - 8.9%	0.2 - 6.0%	0.1 - (-5.7)%
Customer	IP: 94.1%	> or = 95.6%	94.4 - 95.5%	93.2 - 94.3%	90.8 - 93.1%	90.7 - 88.4%
Satisfaction	OP: 97.6%	= 100%	98.6 - 99.9%	94.1 - 98.5%	85.2 - 94.0%	76.2 - 85.1%
(Overall Sat)	ED: 83.4%	> or = 89.7%	87.7 - 89.6%	85.6 - 87.6%	81.5 - 85.5%	77.3 - 81.4%
Growth & Development (Profitable Market Share)	8.6%	> or = 9.9%	9.3 - 9.8%	9.0 - 9.2%	8.6 - 8.9%	7.7 - 8.5%
Clinical & Admin. Quality (Patient Safety Index)	<mark>4.25</mark>	> or = 10.0	8.0 – 9.9	7.0-7.9	4.0 – 6.9	1.0 – 3.9
People (Retention)	89.9%	> or = 86.9%	85.1 - 86.8%	83.3 - 85.0%	79.7 - 83.2%	76.0 - 79.6%

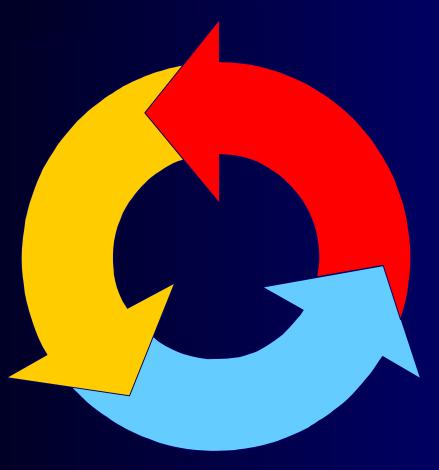
- One BSC measure from each perspective is selected (Strategic Focus Area – SFA)
- Managers develop department 90-day action plans for each SFA
- Provides alignment of Hospital strategic plan at the department level
- Provides focus for managers
- Results reported monthly and trended over time

Saint Luke's Hospital Performance Analysis BSC Departmental Report Form

Department:	Senior Leader:
Department Director/Manager:	Date of Report:

Legend	Stretch	BLUE Target O anding		≭ch ,8 ee <i>ds</i>	G	EEN pal 7 (pectation	Moder 6, Needs Im	LOW ate Risk 5,4 provement	RE Ris 3,2 Immediate	sk !,1		
						Year	2003					
BSC Measure	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
Financial - Operating Margin												
Customer Satisfaction												
- Overall Sat: IP												
- Overall Sat: OP												
- Overall Sat: ED												
Growth & Dev DRG Eligible Market Share												
Clinical & Admin. Quality - Patient Safety Index												
People - Retention												

Performance Management Cycle



 Planning – goal setting at start of the year

 Coaching – through the year

 Review – at the end of the year, with merit increase awarded

Performance Management Process by Core Value

- Shared Behaviors:
 "What is expected of me as an employee of Saint Luke's Health System?"
- Job Specific Accountabilities:
 "What am I accountable for because of the job I hold?"
- Personal Commitments:
 "What goals will I commit to for the coming year based on my own individual talents?"



Alignment of Strategy with the Performance Management Process (PMP)

- Assure financial stability by SLH departments and services collectively achieving operating margin goal.
 - Department Director Personal Commitment:
 - Assure financial stability of East 3 by meeting budgeted gross revenue and maintaining supplies, salaries and other expenses within 2003 budget. Measured with the monthly flex budget report.
 - Registered Nurse I Personal Commitment:
 - Achieve 100% accuracy on charge entry and documentation measured by quarterly unit audits

Determination of Key Health Care Delivery Processes

- PI Model used to design, manage and improve
- Key Requirements are driven by customers and operational needs
- Key Measures are driven by customers and organizational requirements
 - Includes both in-process and outcome measures

Key Health Care Processes

Health Care Processes	Key Requirements	Key Measures
Admitting		
Scheduling	Timeliness	 Wait Times
Precertification	Accuracy	 Admission Audit Results
Registration		

Key Health Care Processes

Health Care Processes	Key Requirements	Key Measures
 Multidisciplinary Care Initial assessment Planning Intervention Evaluation Modification Resolution 	 Timeliness Accuracy Reliability Access Responsiveness Empathy Competence 	 Infection rates Medication errors Mislabeled/unlabeled specimens 7th Scope of Work clinical outcomes Unplanned returns Medical staff clinical indicators Cost per day Length of stay Potentially avoidable days JCAHO Core Measures

Key Health Care Processes

Health Care Processes	Key Requirements	Key Measures
Care support services		
 Laboratory 	Timeliness	 Turnaround times
 Radiology 	 Accuracy 	 Stockout rates
Pharmacy	 Competency 	 Nutrition assessment
 Nutrition 	 Appropriateness 	 Discrepancy rates
		 QA measures

Business/Support Processes

- Education
- Research
- Supplier Management
- Revenue Cycle Management
- Physician Partnering
- Human Resource Management
- Facilities Management
- Health Information Management
- Hotel Services Management



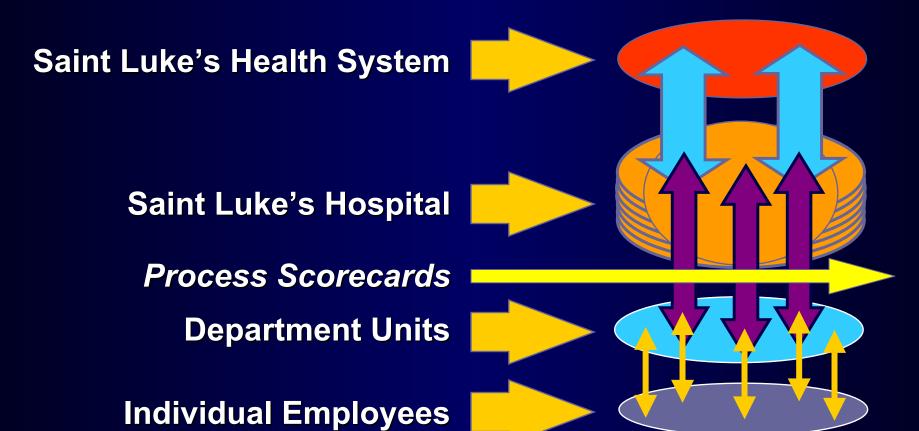
Support Processes (example)

Support Processes	Key Requirements	Key Measures
 Physician partnering 	 Physician participation 	 Admitting physician ratio
	 Improved productivity 	 Variable cost per case
	 Ease of access 	 IP tests/discharge
		 Physician satisfaction
		PCP referral

Support Processes (example)

Support Processes	Key Requirements	Key Measures
Revenue cycle management	 Cost Quality Timeliness Efficiency Patient friendly billing team 	 Cash collections to target Charge process audit Net days in Accounts Receivable Discharges not final billed Accounts per collector Calls received vs statements sent Customer satisfaction

Achieving Strategic Alignment Throughout the SLHS



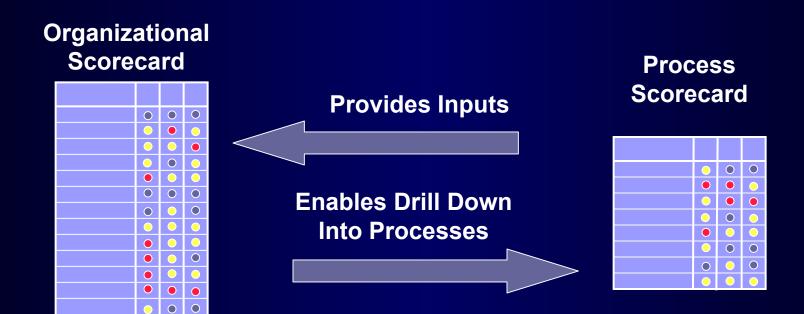
Why Process Level Scorecards?

- Recognition that all work is a process designed to meet customers' needs
- Do we really understand how well our processes are working?
- Serves to link daily operations, in-process measures and BSC outcomes measures
- Used by process owners to monitor overall process performance

Why Process Scorecards?

- MQA and Baldrige feedback:
 - SLH focus is on continuous improvement
 - Processes are not well-defined,
 documented and identified in many areas
 - Better definition of processes and better measurement of processes can yield even greater improvement opportunities

Saint Luke's Hospital Relationships



Relationships

- Organizational Scorecard
 - Is focused on key performance indicators
 - Enables determination of organizational health
 - Enables focus on improving in key areas
- Process Scorecard
 - Defines the activities within processes and handoffs
 - In-process measures identify key control data points
 - Enables drill-down to areas affecting performance
 - Outcomes of processes feed the Organizational Scorecard
 - Becomes the foundation for process improvement activities

Level 1 Processes

- Perform Financial Management
- Satisfy Customers
- Enhance Growth and Development
- Provide Clinical and Administrative Services
- Manage Human Resources

Saint Luke's Hospital Level 2 Processes: Manage Human Resources

- Hire staff
- Orient new employees
- Train staff
- Develop staff
- Motivate staff

Saint Luke's Hospital Level 3 Processes: *Motivate Staff*

- Segment employees
- Determine employee satisfaction
- Recognize employees
- Provide and administer benefits and compensation
- Provide a safe work environment

Process Scorecard – Results

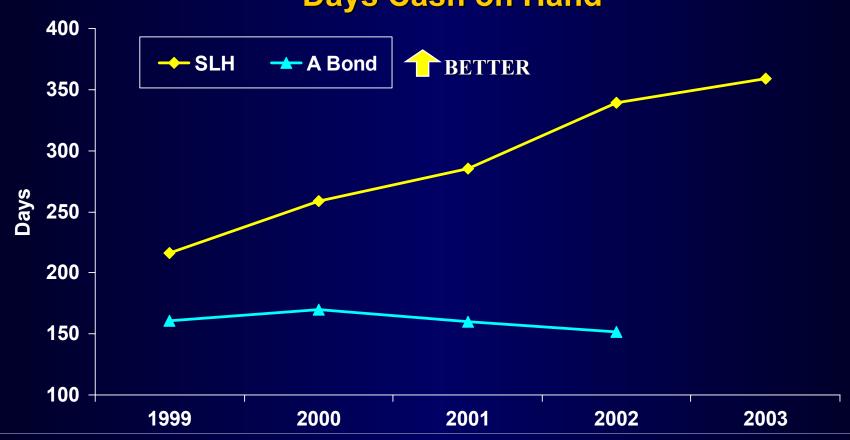
Performance Level September, 2003		DEEP BLUE Stretch Target 10 Outstanding	LIGHT BLUE Stretch 9.8 Exceeds Expectation	GREEN Goal 7 Meets Expectation	YELLOW Moderate 6.5.4 Needs Improvement	RED Risk 3.2.1 Immediate Action
Measure	Monthly Performance		Sco	ring Criteria (20	003)	
BSC Retention	89.8	> or = 86.9%	85.1 - 86.8%	83.3 - 85.0%	79.7 - 83.2%	76.0 - 79.6%
Stay Interview	Job: 61.6	> or = 67.3	61.7 - 67.2	56.5 - 61.6	51.7 - 56.6	< or = 51.6
Results	Supervisor: 59.8	> or = 70.6	59.9 - 70.5	49.2 - 59.8	38.4 - 49.1	< or = 38.3
	Commun: 53.9	> or = 55.3	54.6 - 55.2	53.3 - 53.9	58.5 - 53.2	< or = 53.1
	Benefits: 60.7	> or = 72.5	60.8 - 66.6	54.9 - 60.7	49.0 - 54.8	< or = 48.9
Employee Recognition Programs survey results	Angel: 4.4 Teamwork: 4.3 EOM: 4.7 Nursing: 3.9 Tool Kit: 3.6	4.6- 5.0	4.1 - 4.5	3.6 - 4.0	3.1 - 3.5	< or = 3.0
Employee participation in Recognition programs	299	> or = 310	302 - 309	296 - 301	275 -295	< or = 274
Emplovee sat :"I am recognized for my work."	68.2%		Historical	Data	Not	Available

Saint Luke's Hospital Process Scorecard – Results

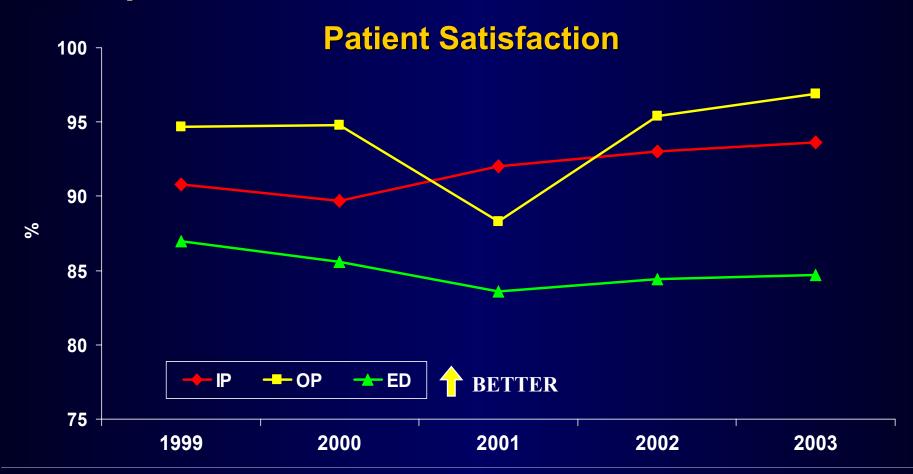
Process: N	/lanaging Suppli	ers and Partn	_	nior Leader: Howard Ma		ınn	
	ince Level rter 2003	DEEP BLUE Stretch Target 10 Outstanding	LIGHT BLUE Stretch 9,8 Exceeds Expectation	GREEN Goal 7 Meets Expectation	YELLOW Moderate 6,5,4 Needs Improvement	RED Risk 3,2,1 Immediate Action	
Measure	Quarterly Performance	Scoring Criteria (2003)					
Supply Cost per Case Mix Index Adjusted Patient Discharge	\$1,577*	< <u>o</u> r = \$1121	\$1122 - \$1260	\$1261-\$1400	\$1401 - \$1679	\$1680 or greater	
Timely Delivery (unadjusted)	83.4%	>86.1%	84.1%-86.0%	82.2%-84.0%	78.3%- 82.1%	78.2% or less	
Invoice Accuracy	91.5%	> <u>or</u> =97.1%	97.0%-95.7%	95.6%-94.3%	94.2%-91.5%	91.4% or less	
Electronic Order	s 87.1%	>92.0%	89.4%-91.9%	86.9%-89.3%	81.9%-86.8%	81.8% or less	
Approval Proces	s 81.8%	>90.7%	87.6%-90.6%	84.6%-87.5%	78.6%-84.5%	78.5% or less	
Customer Satisfaction	79.5%	>96.0%	82.9%-95.9%	82.3%-89.1%	68.6%-82.2%	68.5% or less	

So, Has the Baldrige Management Model Made a Difference?

Improved Financial Performance
 Days Cash on Hand



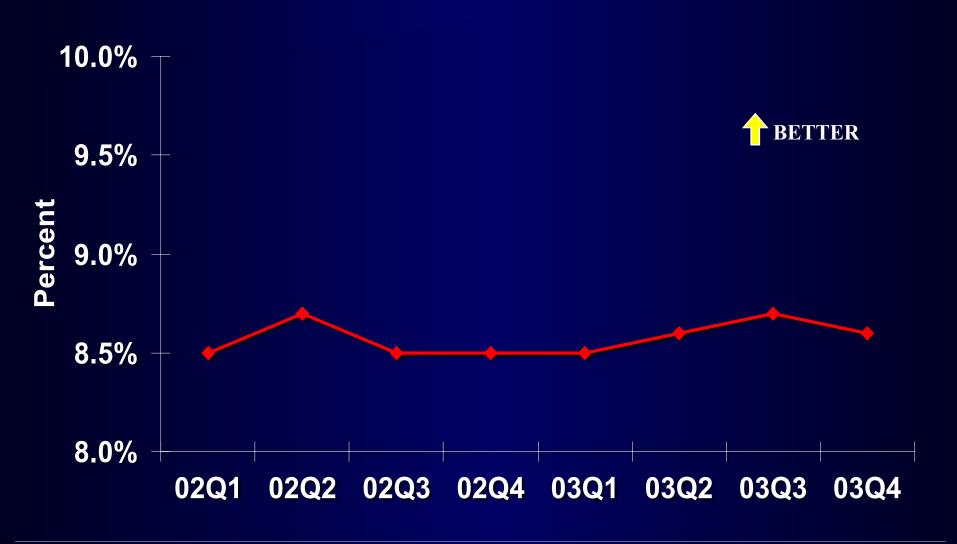
Improved Customer Satisfaction



Sustained High Levels of Consumer Perception
 NRC Perception Rankings vs. Top Competitors

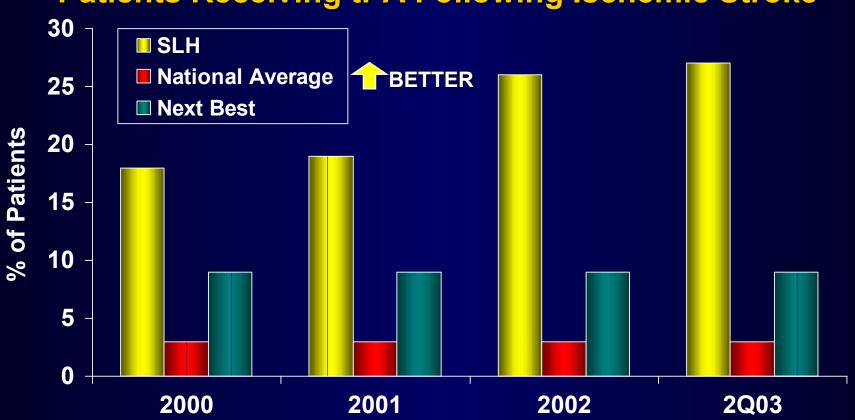
	Overall Quality			Best Doctors			Best Nurses		
Hospital	2003	2002	2001	2003	2002	2001	2003	2002	2001
SLH	1	1	1	1	1	1	1	1	1
В	2	2	2	3	4	3	3	2	2
С	3	4	3	4	3	5	2	3	3
D	6	7	5	7	5	6	8	6	5
E	5	5	4	2	2	2	6	5	6
F	15	8	13	10	6	12	10	8	13
G	14	16	12	17	15	15	15	16	15

Saint Luke's Hospital Profitable Market Share

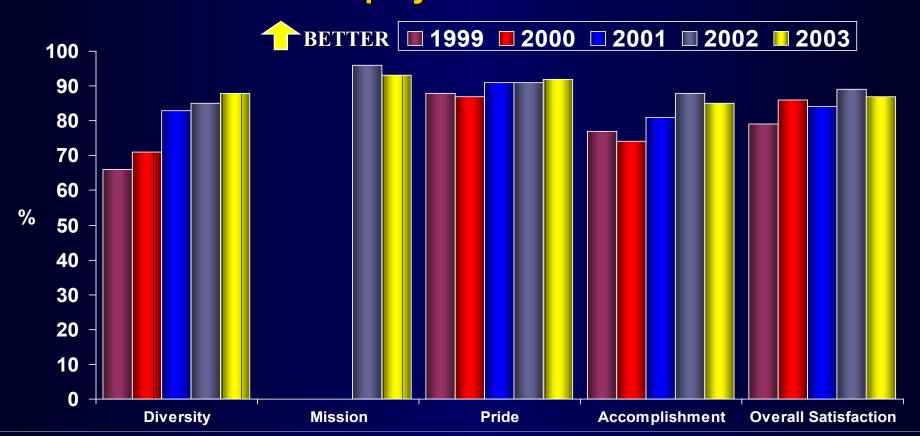


Improved Clinical Outcomes

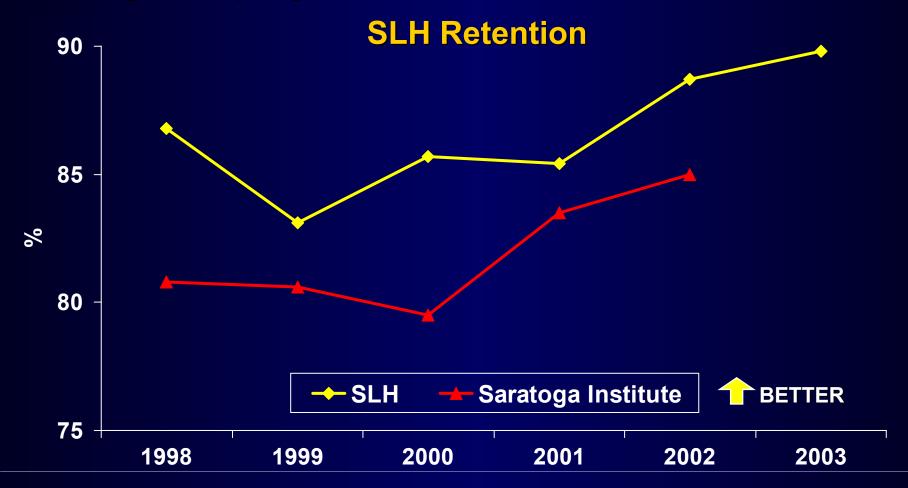
Patients Receiving tPA Following Ischemic Stroke



High Levels of Employee Satisfaction
 Employee Satisfaction

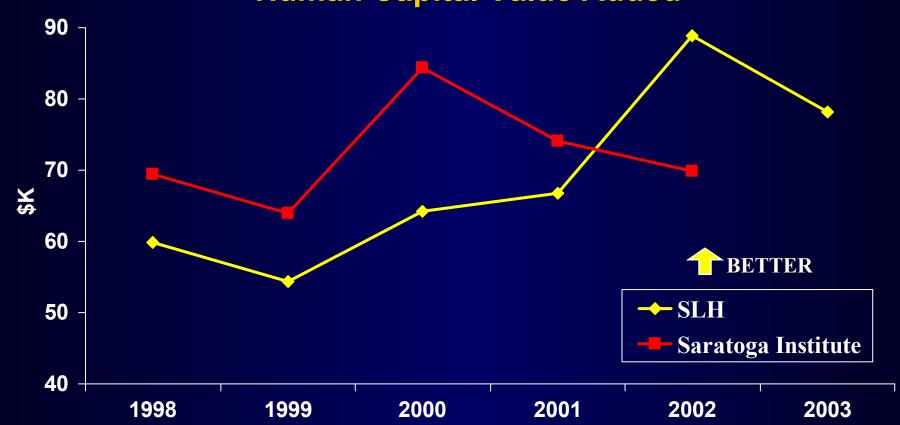


High Employee Retention



Improved Productivity

Human Capital Value Added



Saint Luke's Hospital Sustaining Performance Excellence Lessons Learned

- Leadership drives and sustains the process
- Leadership at all levels is important
- More difficult to change the culture than to learn the tools
- Valuable team building experience
- Trust is extremely important

Saint Luke's Hospital Sustaining Performance Excellence Lessons Learned

- There are no "quick fixes"
- Must always focus on the customer
- Should never be satisfied with the present level of quality
- Decisions must be driven by data and compared to "best"
- Employees make it happen!

Baldrige Business Model

Next Steps

- Study our feedback report
- Celebrate our strengths
- Prioritize our OFIs
- Use feedback to improve
- Continue to share what we've learned
- Continue to learn from others

Baldrige Business Model The Value

- Feedback, Feedback, Feedback!
- Criteria is the Best Way to Get Better, Faster
- Enhanced Our Internal Pride
- Positions Us Ahead of Our Competition
- Recognized as an Industry Leader
- Raises Healthcare Industry to Higher Levels of Performance

Saint Luke's Hospital Our People Make the Difference

















They Are Our Competitive Advantage!

Thank You For Your Attention

Are There Any Questions?