



# Lean Leadership for Healthcare

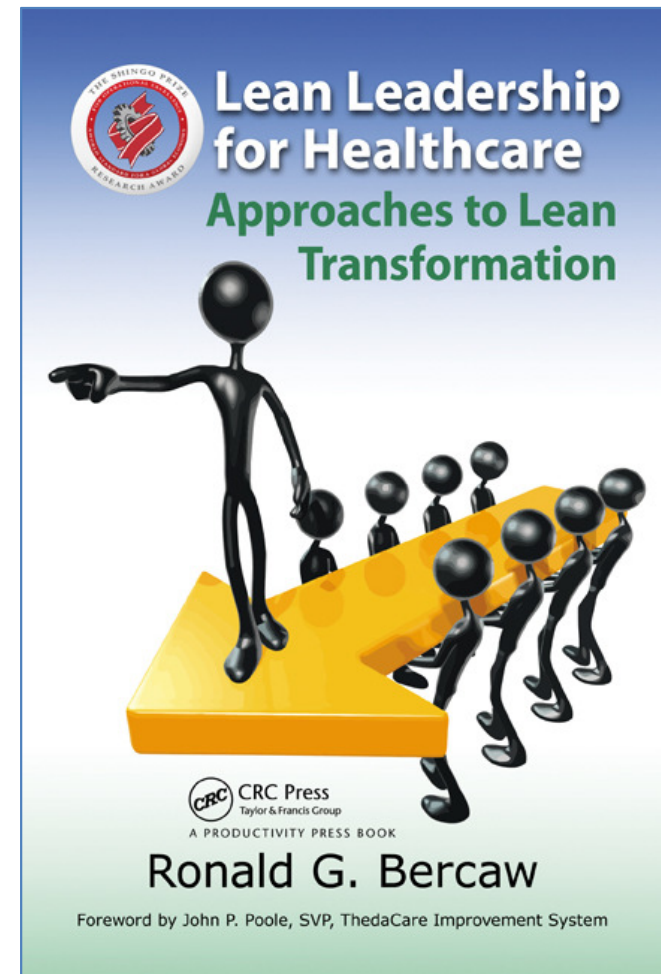
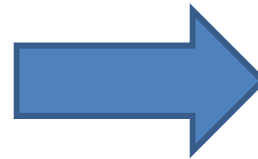
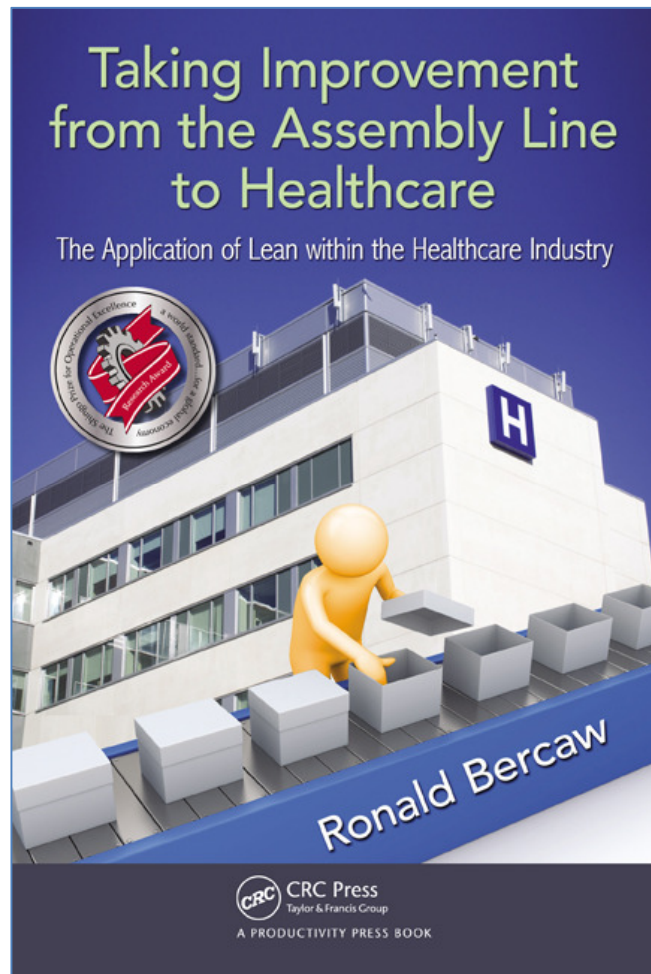


**Ron Bercaw**  
**President and Sensei**  
**October 10, 2014**



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# Putting the subject into context



**How to “do” Lean  
in healthcare**



**How to “lead” Lean  
in healthcare**

# Agenda

- Linking Improvement to Corporate Strategy
- The Improvement Roadmap
  - Getting Ready
  - Accelerate Improvement
  - Sustain Improvement
- Leadership Behaviors to Ensure Success
- Mitigating Risk

# I. Linking Improvement to Corporate Strategy

- Why is this Essential?
- Key Steps in Linking Improvement to Strategy
  - Establish the Vision
  - Select True North Measures
  - Establish Improvement Priorities
  - Implement Improvement Priorities
  - Review Process and Results



# The Importance of Linking Improvement to Strategy

**It is very difficult to impossible to improve all areas of an organization simultaneously. Begin improvement in the areas that best enable you to meet your key strategic outcome measures.**

**Each team requires time and attention from your leadership, staff and medical staff. Focus on the high leverage areas to maximize your return on your investment.**

**The effort to change a process with minimal return is the same as the effort to change a process with a large return. Allow your middle/line management and medical leadership to focus on the areas of highest return.**

**Change takes time. Do not waste precious days, weeks, and months on areas not directly aligned to your strategy.**

**All staff and medical staff should be able to immediately see the correlation between improvement and attaining your strategy. This gives the team a sense of purpose and shows them how they fit into the big pig picture.**

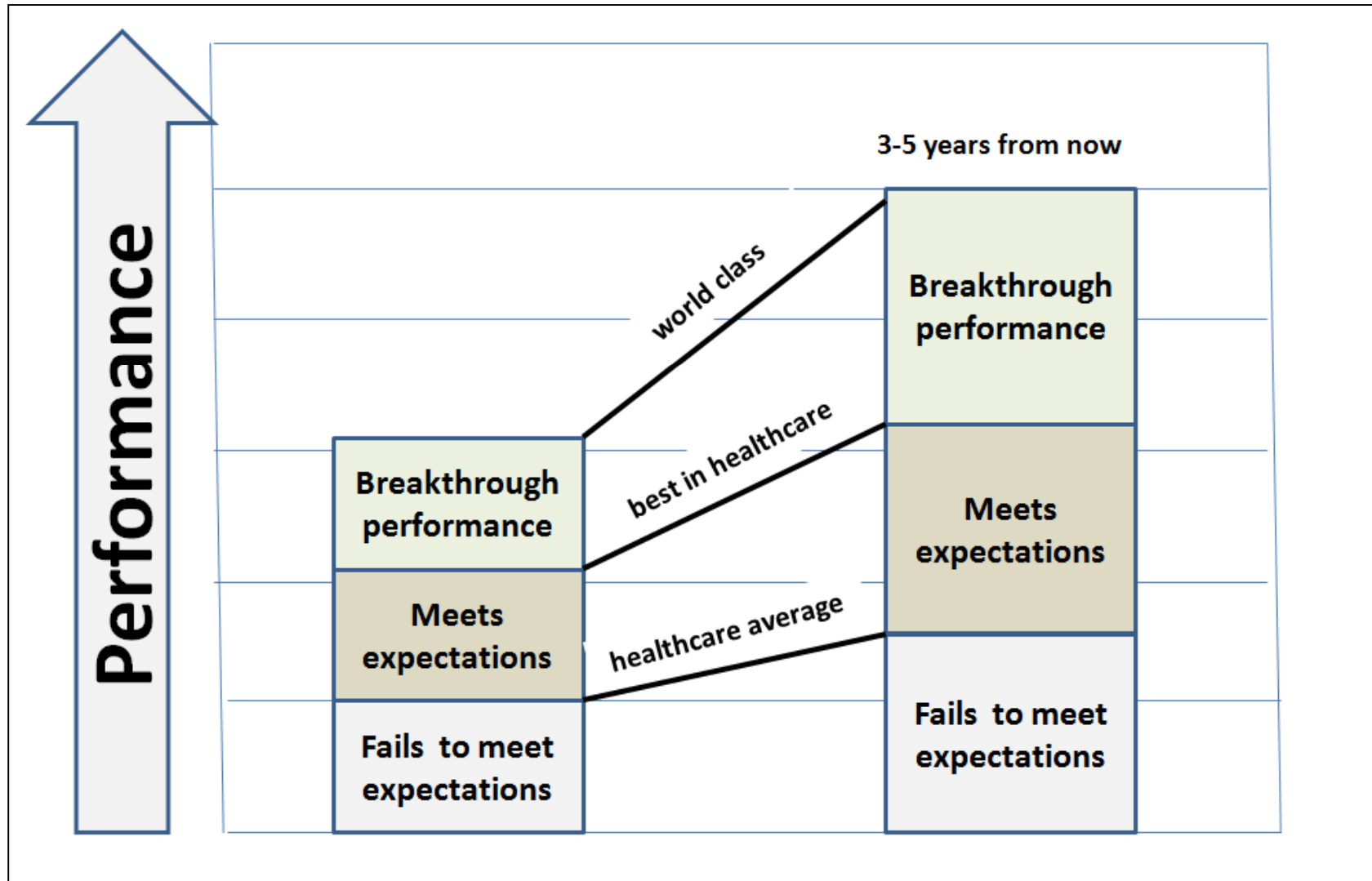
# Step 1: Establish the Vision

Use the voice of the customer to set your organizational vision

- Measure performance as aligned to how your customer measures performance
- Develop and deploy targets that deliver value to your customer



# What Does Your Customer Expect?



# Step 2: Establish True North Measures

True North Category	True North Measure Definition	True North Measure in Healthcare
People	Staff Morale or Staff Engagement	Staff and Medical Staff Morale or Engagement
Quality	Defects Per Unit of Service or Process Outcomes Related to Meeting the Customer's Requirements	<u>Service Quality</u> – Patient and Family Satisfaction <u>Outcome Quality</u> – Measures of Clinical Outcomes, and Patient Safety <u>Process Quality</u> – Measures of Defects Per Unit of Service
Delivery	Lead Time for Goods and Services From Customer Need Identified to Customer Need Met Expressed in Time (Minutes/Hours/Days)	Measures of <u>Access</u> Including Lead-times for Services and Wait-times Between Services
Cost	Hours or \$ Consumed Per Unit of Service. Typically a Measure of Productivity	Hours or Dollars Consumed Per Unit of Service
Growth	Increases in Revenues or Volumes	Increases in Revenues or Volumes



# Example – True North Measures

True North Category	Strategic Direction	True North Measure
People	Create a Working Environment that Inspires our Staff and Medical Staff	Have 100% of our Staff and Medical Staff Engaged in Verifiable Improvement by the End of Fiscal Year 2015.
Quality	<ul style="list-style-type: none"> <li>• Eliminate Un-necessary Mortality And Morbidity</li> <li>• Provide Patient/Family Centered Care</li> </ul>	<ul style="list-style-type: none"> <li>• Reduce Hospital Acquired Infections by 80% by December 2014</li> <li>• Improve Patient Satisfaction Scores by 15% by December 2014</li> </ul>
Delivery	Reduce Needless Patient Waiting	Reduce Wait Times for our Five Major Service Lines by 50% by June 2014.
Cost	Become a Benchmark, Low Cost Service Provider	Operate in the 98 <sup>th</sup> Percentile as a Low Cost Service Provider in all Five of our Major Service Lines by the End of the Fiscal Year in 2015.
Growth	Increase Access to all of our Service Lines	Grow Each Service Line in Visits/Cases by 10% per Year Ending December 31, 2015

# Step 3: Select Improvement Priorities

Use a Pugh Analysis to determine the areas of key leverage

		A	B	C	D
True North Criteria	Weight	Ranking	Ranking	Ranking	Ranking
Quality	20	5/100	8/160	1/20	4/80
Delivery	45	5/225	8/360	1/45	3/135
Cost	35	6/210	2/70	10/350	1/35
Growth	10	7/70	0/0	1/10	2/20
	100	605	590	425	270

In this example, we can see that A has more leverage against the outcomes than does the project D

# Step 4: Implement Improvement Priorities

A3 Theme:	Date:	Revision #:																					
Team Members:																							
Reason for Improvement:																							
Current Performance and Reflections on Current Performance:		Target Performance:																					
		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Dimension</th> <th>Measure</th> <th>Current</th> <th>Target</th> </tr> <tr> <td>Waste/NO</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Quality</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Delivery/Access</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Cost/Productivity</td> <td></td> <td></td> <td></td> </tr> </table>		Dimension	Measure	Current	Target	Waste/NO				Quality				Delivery/Access				Cost/Productivity			
		Dimension	Measure	Current	Target																		
		Waste/NO																					
		Quality																					
		Delivery/Access																					
Cost/Productivity																							
Anticipated Hard savings:																							
Anticipated Soft Savings:																							
Gap Analysis:		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Waste Theme</th> <th>Root Cause</th> </tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table>		Waste Theme	Root Cause																		
Waste Theme	Root Cause																						

Use A3 Thinking

Countermeasures and Action Plans:			
Waste Theme	Root Cause	Countermeasure	Expected Result

Follow Up Plans:

What	Who	When

Measurement Tracking:

Dimension	Measure	Current	Target	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
Waste/NO											
Quality											
Delivery/Access											
Cost/Productivity											

Verified Hard Savings:

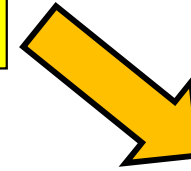
Verified Soft Savings:

Reflections:















# Use a Value Stream Approach to Select Discrete Improvements



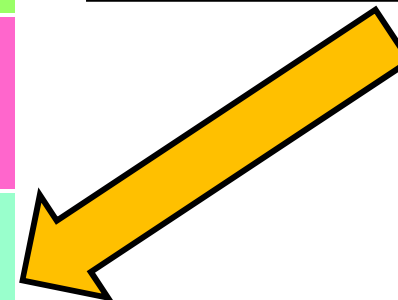
**From a current state**



**To an improved state**

	Month 1	Month 2	Month 3	Month 4	Month 5
<b>Quick Wins</b>					
<b>Projects</b>					
					
<b>Kaizen Events</b>	 		 		

**With Prioritized  
Action Plans**



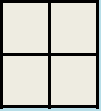
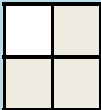
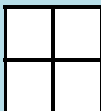
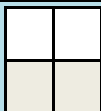
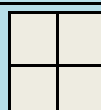
# Step 5: Review Process and Results

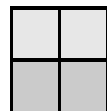
## Perform a Monthly Review

<b>Agenda Item</b>	<b>Percentage of Agenda Time</b>
<b>Review Budget Performance</b>	<b>10%</b>
<b>Review Implementation Actions, Results, and Countermeasures</b>	<b>65%</b>
<b>New Product/ Service/Construction/ Development</b>	<b>10%</b>
<b>People / Organizational Issues</b>	<b>10%</b>
<b>Other</b>	<b>5%</b>

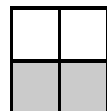


# Complete an Annual Review

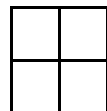
Deployment Objective	Review / Assessment
Objective 1	
Objective 2	
Objective 3	
Objective 4	
Objective 5	



= Objective met

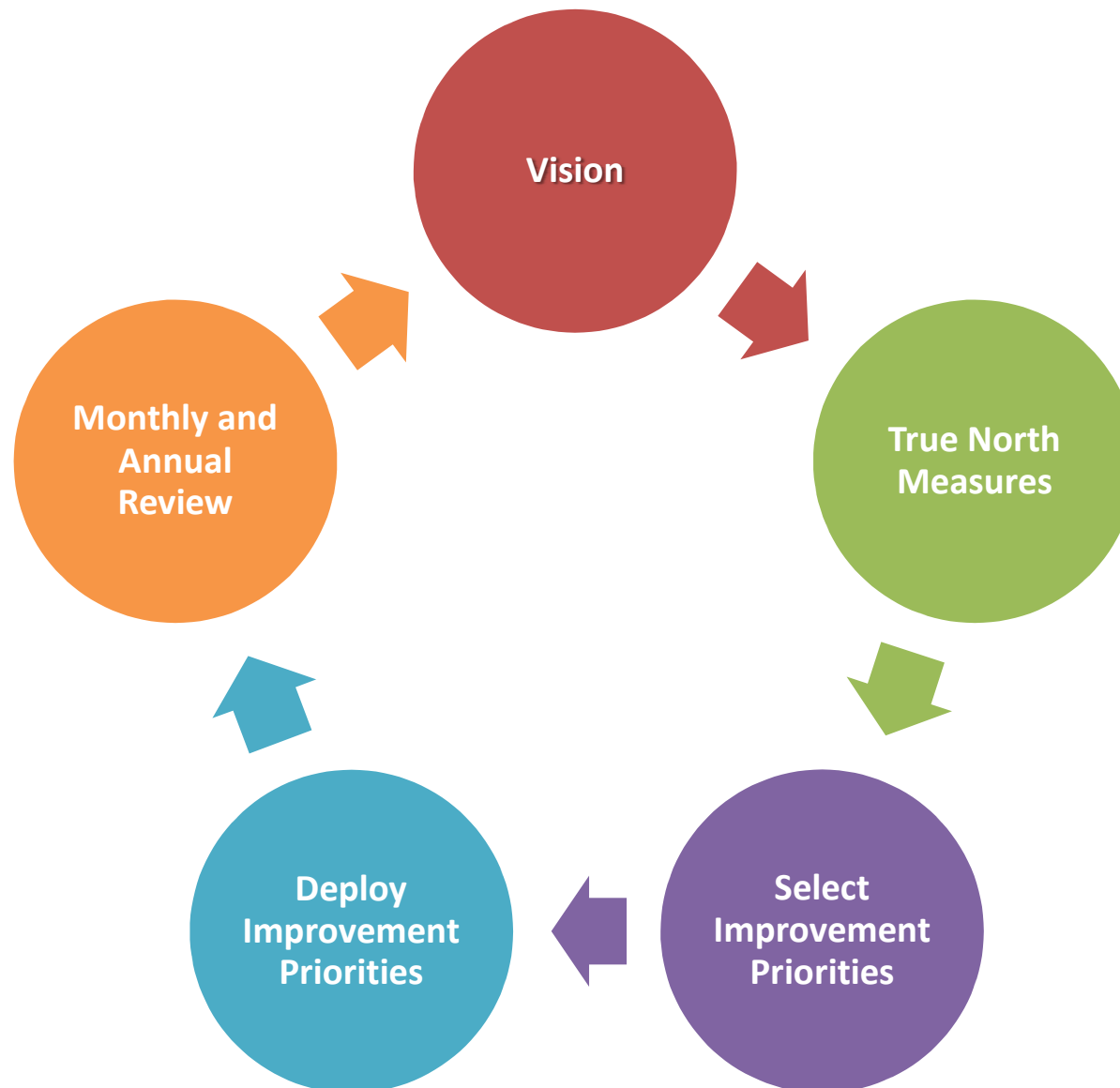


= Objective not met, but performance improved  
(shade in relative performance)



= Performance was worse than baseline

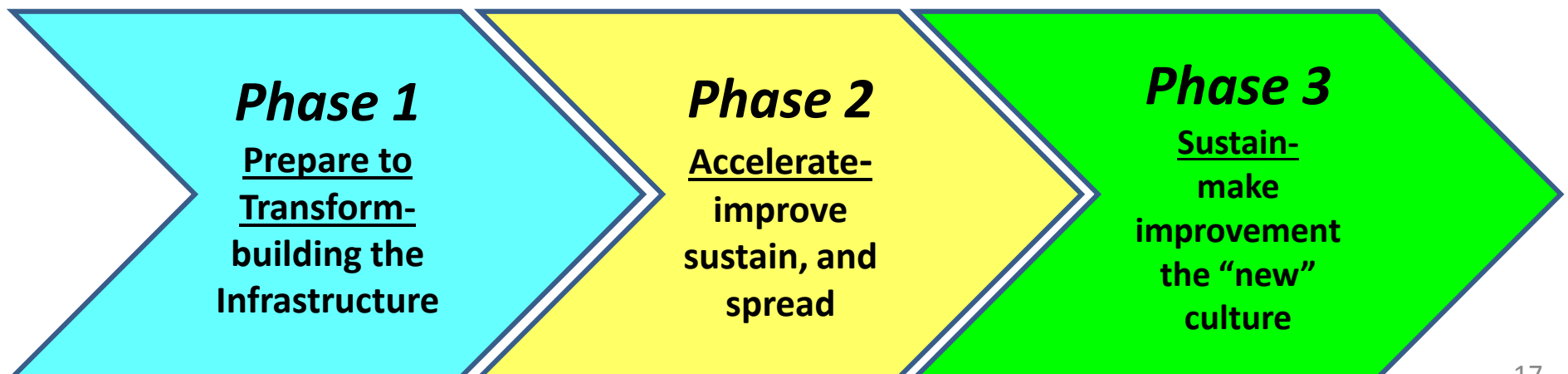
# Improvement Cycle - Linking Strategy to Improvement





## II. Improvement Roadmap

- Getting Ready – Prepare to transform your organization. Build the Infrastructure.
- Accelerate Improvement – Improve, sustain, and spread.
- Sustaining Improvement – Make improvement the new culture.



# Key Steps in Getting Ready Phase

1. Select your change agent
2. Get informed
3. Get help
4. Establish a steering committee
5. Train your internal experts
6. Develop and deploy a communication strategy



**Get Ready**

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# Key Steps in The Acceleration Phase

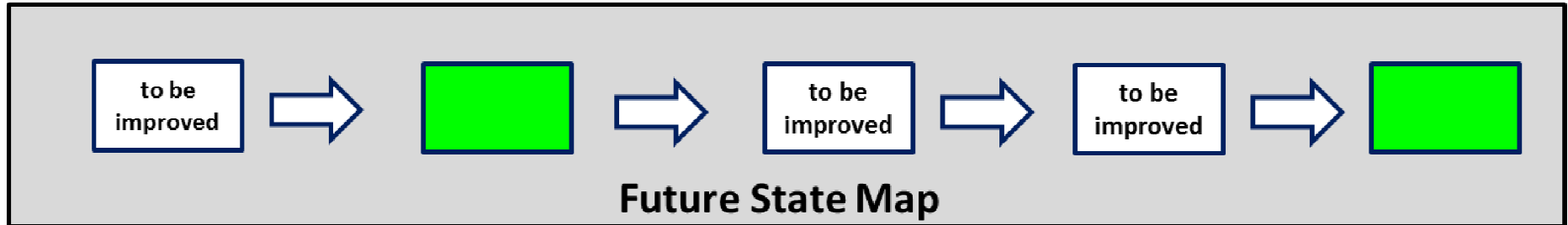
1. Establish Value Stream Governance and Set Up Your Value Stream Performance System
2. Utilize A3 Thinking to Realize Improvement
3. Sustain Improvement and Manage Visually
4. Capture the Savings
5. Spread Lean Thinking Across the Organization
6. Support Your Change with Ongoing Training and Coaching



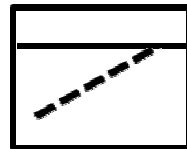
# Value Stream Governance

Activity	Lead	Length
Review Value Stream True North Measures	Administrative and Physician Leaders	5 minutes
Review open A3's (no more than 3) <ul style="list-style-type: none"> <li>• Measures</li> <li>• Follow Up Plans</li> <li>• Issues To Be Resolved</li> </ul>	Process Owners	10 minutes each (30 minutes total)
Review Preparation for next A3	Internal Lean Expert	15 minutes
Other business	All	10 minutes
	<b>Total</b>	<b>60 minutes</b>

# Monitor Value Stream Performance System



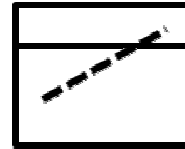
**Value  
Stream  
Trended  
Measures**



Human  
Development



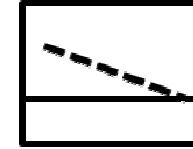
Quality /  
Safety



Service  
Quality



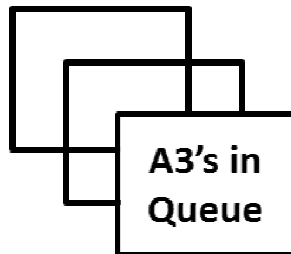
Access /  
Lead-Time



Cost /  
Productivity

What	Who	When

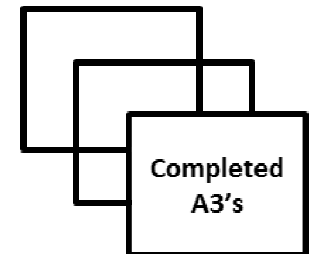
Improvement  
Plan



Open  
A3 #1

Open  
A3 #2

Open  
A3 #3



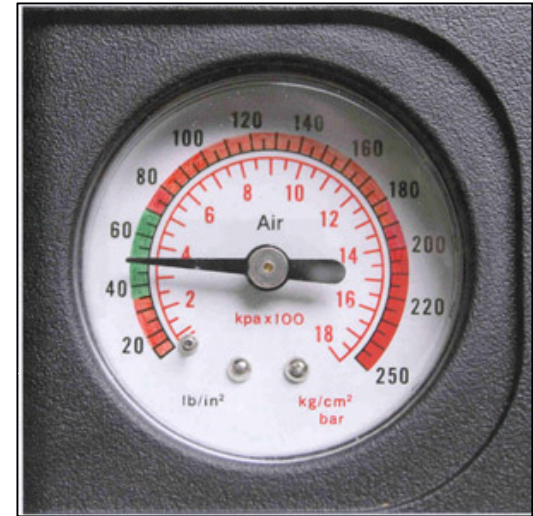
# Utilize A3 Thinking – Get Results

Metric	Before	Goal	to Date	% Change
Morale/Staff Engagement- <i>Implemented Ideas</i>	0	300	127	undefined
Safety & Quality- <i>Left Without Being Seen</i>	1.7%	.2%	.2%	88%
Patient Experience- <i>Likelihood to Recommend</i>	61.1%	70%	69%	11%
Patient Experience – <i>Time in the Waiting Room</i>	10 minutes	0 minutes	4 minutes	60%
Patient Experience- <i>Usage of Hallway Beds</i>	452 encounters	N/A	134 encounters	70%
Financial Stewardship- <i>Cost per unit of service</i>	\$170.17	\$159.62	\$156.00	6%
Actual Financial Impact				\$759,374
Forecasted Annualized Financial Impact				\$1,462,854

# Sustain and Manage Visually

## Key Actions for Visual Management

- Implement 5S
- *After Creating Standard Work....*
  - Implement Process Control
    - Hour By Hour
    - Patient By Patient
  - Implement Managing for Daily Improvement
  - Audit Standard Work and Improvement Systems
- Support Changes with Leader Standard Work



# 5S

**Before**



**After**





# Process Control – Part 1

## Hour by Hour

## Patient by Patient

X-Ray Process Control Board			Date: 6/4/2013
Hour	Plan	Actual	Comments
0700-0800	3	3	no issues
0800-0900	3	2	outpatient failed to show
0900-1000	3	3	no issues
1000-1100	3	1	couldn't find O/P req, and isolation clean held up room
1100-1200	3		
1200-1300	3		
1300-1400	3		
1400-1500	3		

Discharge Planning Performance					
TLOS	EDD	Actual Date of D/C	Variance from TLOS	Variance from EDD	Comments
4	5	7	3	2	Receiving facility would not accept pt

# Process Control - Part 2

Frequency Chart

Frequency	28																
	27																
	26																
	25																
	24																
	23																
	22																
	21																
	20																
	19																
	18																
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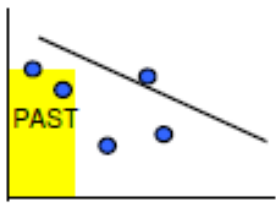



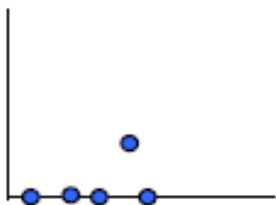



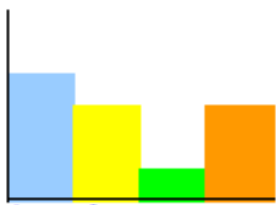



reason for variance

# Process Control - Part 3

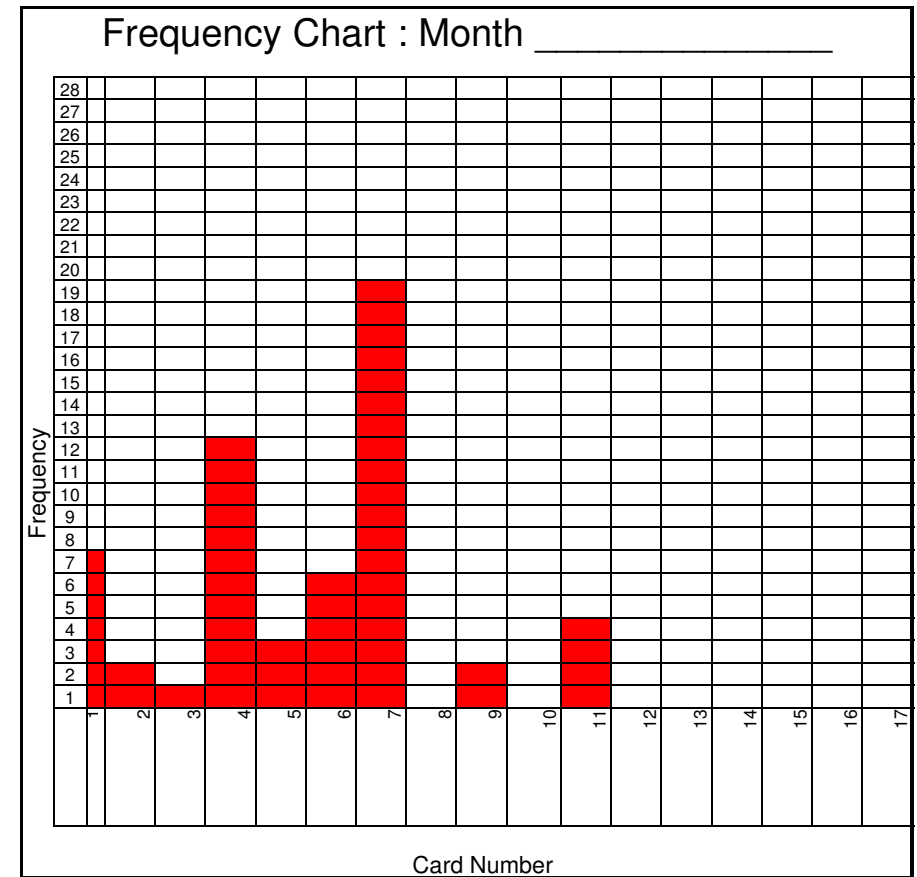
## Action Plans

Action Plans				
<i>Issue</i>	<i>Countermeasure</i>	<i>Who</i>	<i>When</i>	<i>Status</i>

# Managing for Daily Improvement

	DEPARTMENT OR GROUP															
	M	Q	D	C												
MONTHLY																
DAILY																
PARETO	 <p>type of occurrence</p>	 <p>type of occurrence</p>	 <p>type of occurrence</p>	 <p>type of occurrence</p>												
CORRECTIVE ACTION	<table border="0"> <tr> <td>P</td> <td>R.C.</td> <td>R</td> <td>Date</td> </tr> <tr> <td>xxx</td> <td>xxx</td> <td>xxx</td> <td>xxxx</td> </tr> <tr> <td>xxx</td> <td>x</td> <td>xxxx</td> <td>xxxx</td> </tr> </table>	P	R.C.	R	Date	xxx	xxx	xxx	xxxx	xxx	x	xxxx	xxxx			
P	R.C.	R	Date													
xxx	xxx	xxx	xxxx													
xxx	x	xxxx	xxxx													

# Task Audits (Kamishibai)



# K- Card Template

Card: #	Card: #
Process Audit Card Area: _____	Process Audit Card Area: _____
<p>Please check for all of following:</p> <ul style="list-style-type: none"> <li>•</li> </ul> <p>Pass Criteria:</p>	<p>Please check for all of following:</p> <ul style="list-style-type: none"> <li>•</li> </ul> <p>Fail Criteria:</p> <p>Corrective Action:</p>

Standard  
Work

Name:	Date:	Time Start:	Time End:
<b>Daily: Start of day</b> <input type="checkbox"/> Follow-up for any supervisors off: call-ins, shift change coordination <input type="checkbox"/> Daily check-in with each supervisor (~ 5 minutes) <input type="checkbox"/> Attend one supervisor's start-up meeting <input type="checkbox"/> Review yesterday's production-tracking documents		<b>Notes/ If not completed reason &amp; any actions taken</b>	
<b>Daily</b> <input type="checkbox"/> Update schedule/weekly assignment log <input type="checkbox"/> Check in with compounding pharmacist - Gary <input type="checkbox"/> SES report review/follow-up <input type="checkbox"/> Daily review of "next action" items (~ 5 minutes) <input type="checkbox"/> Check for schedule trade slips		<b>Tasks/ Meetings:</b>	
<b>Many times daily</b> <input type="checkbox"/> Spot-check standardized work in each supervisors area <input type="checkbox"/> Review visuals-stat IVR TAT <input type="checkbox"/> Review visuals-IV production board <input type="checkbox"/> Review visuals-delivery runs <input type="checkbox"/> Review visuals-pharmacist order entry <input type="checkbox"/> Spot-check documentation <input type="checkbox"/> Check & respond to e-mail <input type="checkbox"/> Check & respond to voice-mail <input type="checkbox"/> Train/coach staff as opportunities arise/pm		<b>Projects:</b>	
<b>Weekly (note next time due)</b> <b>Monday</b> <input type="checkbox"/> 06:30 Weekly night supervisor meeting - Angie/Lynn <input type="checkbox"/> 7:30 Weekly satellite supervisor meeting - Tony <input type="checkbox"/> 14:30 Weekly evening supervisor meeting - Adam/Todd <input type="checkbox"/> Review Bioturden data/send to Doris <b>Tuesday</b> <input type="checkbox"/> Status of open positions <input type="checkbox"/> 14:00 Weekly group supervisor meeting <b>Wednesday</b> <input type="checkbox"/> Review "Waiting For" items, including status of delegated tasks <b>Thursday</b> <input type="checkbox"/> Review status of on-going projects <input type="checkbox"/> 09:00 Weekly technician supervisor meeting - Sue <b>Friday</b> <input type="checkbox"/> Post weekly pharmacist assignments <input type="checkbox"/> Sign onto to Mohsair, back up files to external hard drive <b>Saturday/Sunday</b>		<b>Wkly tactical:</b> visuals, VS metrics, status open positions, progress new staff training, reward/recog of staff, staff performance issues, emp sat scores, deadlines (evals, Midyear), clocking; ED meds removed  <b>"Flow Interrupters" &amp; other Daily Notes/ Observations:</b>	
<b>Every 2 Weeks (per pay period)</b> <input type="checkbox"/> Review tardy & absence reports		<b>Requests for follow-up:</b>	
<b>Monthly (note next time due)</b> <input type="checkbox"/> RPH schedule (next under construction dates 9/17-9/23; for 10/7-11/3; post 9/24) <input type="checkbox"/> IV Waste <input type="checkbox"/> Warfarin (5th of month) <input type="checkbox"/> Review "Incubate" items <input type="checkbox"/> 5 current desk files		<b>Updates/Changes to Standard Work Checklist Suggested:</b>	
<b>Daily: End of day</b> <input type="checkbox"/> 5s desk area <input type="checkbox"/> Review calendar for next day (~ 5 minutes) <input type="checkbox"/> Prepare next day's checklist (~ 5 minutes) <input type="checkbox"/> Check in with evening supervisor/staff before leave		<b>Manager/Supervisor Weekly Review/Discussion:</b>	

To Do

Improvements  
Activities

Flow interrupters,  
Daily notes and  
observations

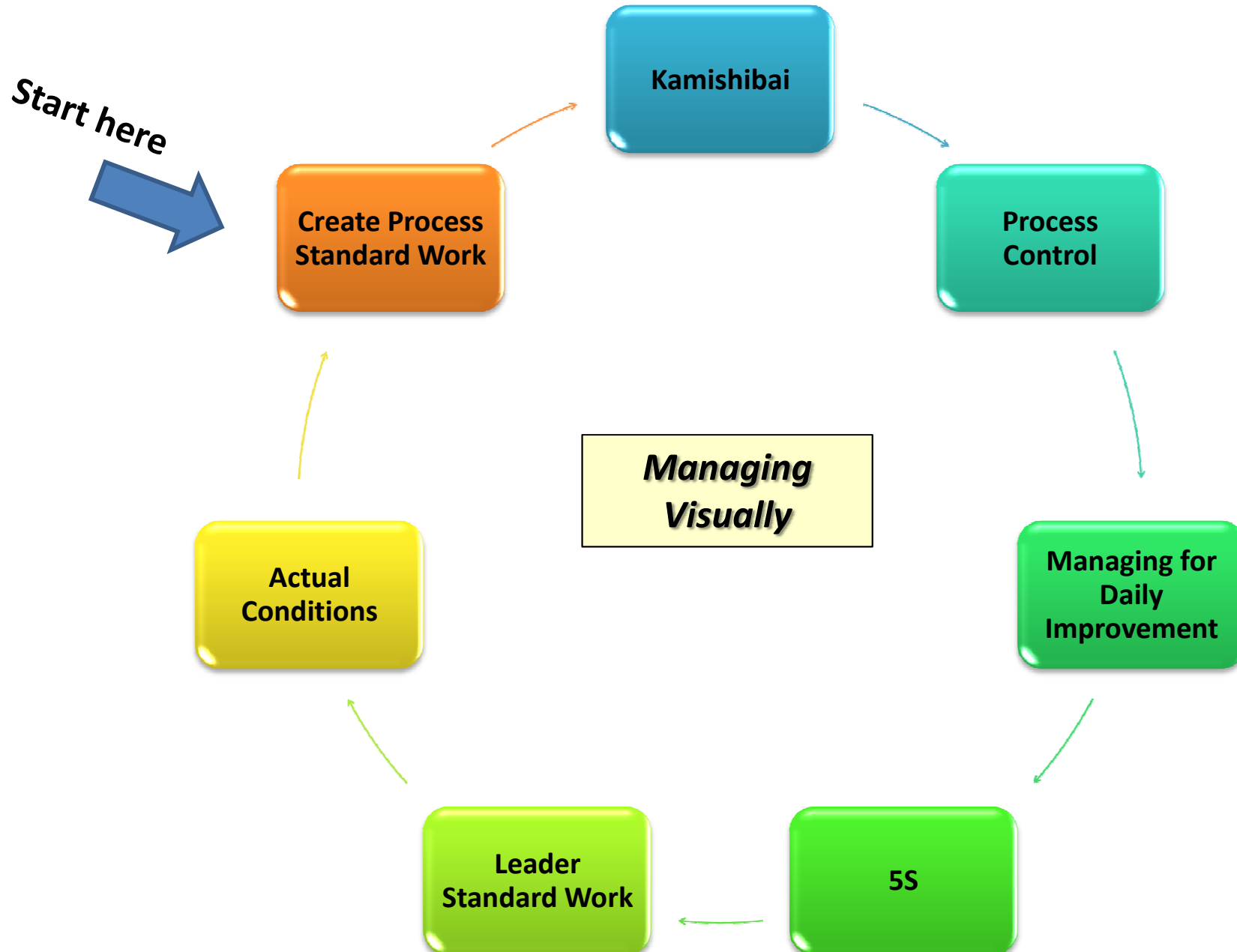
Requests for follow-up

Changes

Discussions

Definition of Standard Work: "the best we know how to do things for now"

# Putting It Together





# Capture the Savings

**Hard \$**

**Future  
Revenue**

**Cost  
Avoidance**

**Soft  
Savings**



**Who Keeps Score?**

# Spread Lean Thinking

Spread Approach	Advantages	Considerations
<b><i>Introducing Additional Value Streams</i></b>	<ul style="list-style-type: none"> <li>• Buy-in from the start as current conditions, future conditions and action plans are generated</li> <li>• Engages many more team members in improvement</li> <li>• New innovation with each opportunity</li> <li>• Tailored improvement plans for each value stream</li> </ul>	<ul style="list-style-type: none"> <li>• May be more resource intensive than replication approach</li> <li>• Can take longer than a replication approach</li> <li>• Requires more infrastructure (skilled facilitators) within your organization</li> </ul>
<b><i>Replication of tools, process and artifacts</i></b>	<ul style="list-style-type: none"> <li>• Leverages tested solutions</li> <li>• Training key points are defined</li> <li>• Solutions are based on lean principles</li> <li>• More rapid approach</li> <li>• Design resources are not consumed</li> </ul>	<ul style="list-style-type: none"> <li>• Usually we are replicating a product and not the thinking</li> <li>• Less buy-in to someone else's solutions</li> <li>• Limits new ideas and innovation</li> <li>• Difficult in “not invented here” environments</li> <li>• Project management resources are needed to manage the change</li> </ul>

# Key Steps in Sustaining Phase

- Capacity Building
- Improve Leadership Processes
- “Lean out” all the areas you wouldn’t normally think about

**Improvement / Change is embedded  
into the corporate culture**

# Capacity Building

Staff and Medical Staff Affected	Skills Required
<b>Everyone (Including Physicians)</b>	<ul style="list-style-type: none"> <li>• 7 Wastes</li> <li>• 5 Principles of Improvement</li> <li>• A3 Thinking</li> <li>• Common Tools to See and Eliminate Waste</li> <li>• 5S</li> </ul>
<b>Line/Middle Management and Physician Leadership</b>	<b>Everything Above Plus:</b> <ul style="list-style-type: none"> <li>• Managing for Daily Improvement</li> <li>• Basic Project Management Skills</li> <li>• Problem Solving Skills</li> <li>• Value Stream Management</li> </ul>
<b>Middle Management and Senior Leadership</b>	<b>Everything Above Plus:</b> <ul style="list-style-type: none"> <li>• Strategy Deployment</li> </ul>



**A Lean organization is community of scientists constantly experimenting to eliminate waste**

# Lean Leadership Processes

- Strategic Plan
- Strategy Deployment
- Improvement Governance
- Committee Management



# VOC

[illegible][illegible]

# A3

# Sustaining Improvement Phase

Department	Core Process
Organizational Development	<ul style="list-style-type: none"> <li>Capacity Building for Clinical and Administrative Staff, Management, and Physicians</li> </ul>
Information Technology	<ul style="list-style-type: none"> <li>Help Desk Services</li> <li>IT Design, Development And Deployment</li> </ul>
Finance	<ul style="list-style-type: none"> <li>Accounts Receivable Management</li> <li>Accounts Payable</li> <li>Payroll</li> <li>Budgeting</li> <li>Month End Close</li> </ul>
Human Resources	<ul style="list-style-type: none"> <li>Recruiting / On-boarding / Orientation</li> <li>Job Descriptions and Competencies</li> <li>Promotion Criteria</li> <li>Occupational Health Services</li> <li>Lean Management Development</li> </ul>
Materials	<ul style="list-style-type: none"> <li>Developing a Lean Supply Chain</li> </ul>
Operations or Marketing or Facilities	<ul style="list-style-type: none"> <li>New Process or New Service Development</li> <li>Construction / Development Services</li> <li>Project Management</li> </ul>
Quality	<ul style="list-style-type: none"> <li>Root Cause Analysis</li> <li>Development of Pathways / Order Sets</li> <li>Accreditation</li> </ul>
Medical Leadership	<ul style="list-style-type: none"> <li>Physician Credentialing</li> <li>Physician Lead Quality Improvement</li> </ul>
All	<ul style="list-style-type: none"> <li>Taking Lean Improvement Beyond Your Four Walls to Suppliers, Customers, and Partners</li> </ul>

**Places we wouldn't think "lean" applies**

# IV. Leadership Behaviors to Ensure Success

Leadership Behavior	Why Necessary
Participate Full Time on a 3 Day Value Stream Analysis and a 4 Day Kaizen Event	<ul style="list-style-type: none"> <li>• Demonstrates Commitment to the Approach</li> <li>• This is the Best Way to Learn the Tools</li> <li>• This is the Best Way to Learn How the Kaizen Experience Changes the Culture While Compressing the Timeline for Results</li> </ul>
Learn the tools	<ul style="list-style-type: none"> <li>• Everyone in the Organization Needs the Ability to Not to Think Lean, But to Actually Use the Tools to See and Eliminate Waste</li> </ul>
Walk the Value Streams <ul style="list-style-type: none"> <li>• Perform Gemba walks</li> </ul>	<ul style="list-style-type: none"> <li>• Changes the Role of the Leader from "Manager" to Coach</li> <li>• Best Lean Approach to Develop Subordinates</li> <li>• Gives Leadership Visibility in "Gemba" to Show Importance to Staff and Medical Staff</li> <li>• Gemba is the Source of All Facts. Going there Eliminates Jumping to Conclusions and Problem Solving in the Conference Room</li> </ul>
Commit the Appropriate Resources to be Successful	<ul style="list-style-type: none"> <li>• Shows Commitment to Continuous Process Improvement</li> <li>• Reprioritizes Less Important Activity, Allowing Management Wiggle Room for Process Improvement Activities</li> </ul>

**Transformation occurs when leadership thinks, acts, and behaves differently**

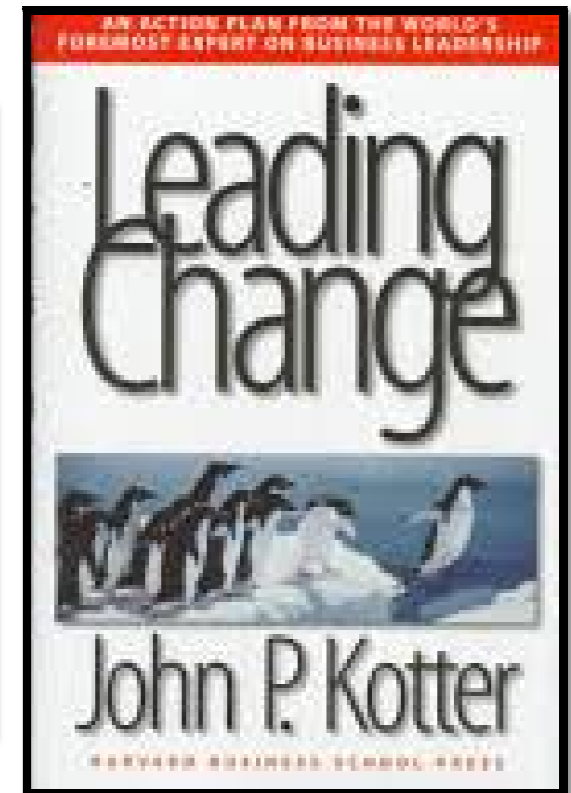
# Leadership Behaviors to Ensure Success (con't)

Leadership Behavior	Why Necessary
<b>Hold Individuals and Teams Accountable (Staff, Management, and Physicians)</b> <ul style="list-style-type: none"> <li>• Address Antibodies</li> </ul>	<ul style="list-style-type: none"> <li>• Shows Respect For People</li> <li>• Ensures Standard Work is Followed. Implementing and Following Standard Work is the Way Organizations Improve and Sustain.</li> <li>• Ensures Consistency in How Staff and Medical Staff are Treated</li> <li>• Makes Visible Those Who Choose Not to Participate in Process Improvement Activity</li> <li>• Separates Personality Based Actions and Process Based Actions</li> </ul>
<b>Redeployment versus Unemployment</b>	<ul style="list-style-type: none"> <li>• Shows Respect for People</li> <li>• Demonstrates that Team Members Will Not Lose Their Job as a Result of Participating in Process Improvement Activities</li> </ul>
<b>Demand and Monitor Results</b>	<ul style="list-style-type: none"> <li>• Aligns with the Lean Pillar of Continuous Improvement</li> <li>• Shows Respect for People by Stretching their Capabilities</li> <li>• Helps Develop Management and Staff by Staying Involved with the Process and Results</li> </ul>
<b>Believe</b>	<ul style="list-style-type: none"> <li>• Greatness is Available to Everyone, but comes faster to those who expect it</li> </ul>



# V. Mitigating Risk

1. Allowing too much complacency
2. Failing to create a powerful coalition
3. Underestimating the power of vision
4. Under-communicating the vision by a factor of 10
5. Permitting obstacles to block the new vision
6. Failing to create short term wins
7. Declaring victory too soon
8. Neglecting to anchor the changes firmly in the new corporate culture



## 8 Common Errors to Organizational Change Efforts

# Avoid Common Mistakes

Organizational Mistake	Lean Transformation Roadmap Risk Mitigation Activities
Allowing Too Much Complacency	<ul style="list-style-type: none"> <li>Establishing True North Measures with Double Digit Improvement</li> <li>Visual Management</li> <li>Managing for Daily Improvement</li> <li>Kaizen Rapid Cycle Improvement</li> <li>A3 Thinking</li> </ul>
Failing To Create A Powerful Coalition	<ul style="list-style-type: none"> <li>Enterprise Transformation Steering Committee</li> <li>Value Stream Steering Committee</li> </ul>
Underestimating The Power Of Vision	<ul style="list-style-type: none"> <li>Deploying Hoshin Kanri</li> <li>Communication Strategy</li> <li>Value Stream Analysis</li> </ul>
Under-communicating The Vision By A Factor Of 10	<ul style="list-style-type: none"> <li>Communication Strategy</li> <li>Measurement Capture</li> <li>Physician Engagement Strategy</li> <li>Kaizen Report Outs</li> <li>Lean Capacity Building</li> </ul>



# Avoid Common Mistakes

Organizational Mistake	Lean Transformation Roadmap Risk Mitigation Activities
Permitting Obstacles to Block The New Vision	<ul style="list-style-type: none"> <li>• Executive Sponsor</li> <li>• Enterprise Transformation Steering Committee</li> <li>• Value Stream Steering Committee</li> <li>• Daily Team Leader Meetings During Kaizen Events</li> <li>• Leadership Standard Work</li> <li>• Visual Management</li> <li>• Managing for Daily Improvement</li> <li>• Enterprise Wide Engagement</li> <li>• Gemba Walks</li> </ul>
Failing to Create Short Term Wins	<ul style="list-style-type: none"> <li>• Value Stream Rapid Improvement Plans with Quick Wins</li> <li>• Kaizen Rapid Cycle Improvement</li> <li>• A3 Thinking</li> <li>• Managing for Daily Improvement</li> <li>• Measurement Capture</li> </ul>
Declaring Victory Too Soon	<ul style="list-style-type: none"> <li>• True North Measures</li> <li>• Deep Versus Wide Pace of Change</li> <li>• Visual Management</li> <li>• Managing for Daily Improvement</li> <li>• Value Stream Mapping and Analysis</li> </ul>
Neglecting to Anchor the Changes Firmly in the New Corporate Culture	<ul style="list-style-type: none"> <li>• Chapter 5, "Make Organizational Improvement the New Culture" Addresses How to Prevent this Common Error.</li> </ul>

# Why do organizations take the risk?

## Benchmarks for World Class

- **1 - 2%** per month productivity improvement
- **2 - 4%** per month improvement in inventory turns
- **25 - 50%** year over year reduction in cost of quality
- **99% +** fill rate to true customer demand
- Lead-time in **hours/days** versus weeks and months



**...Because they are pursuing these results**

# Agenda / Learning Objectives

- ✓ Linking Improvement to Corporate Strategy
- ✓ The Improvement Roadmap
  - ✓ Getting Ready
  - ✓ Accelerate Improvement
  - ✓ Sustain Improvement
- ✓ Leadership Behaviors to Ensure Success
- ✓ Mitigating Risk