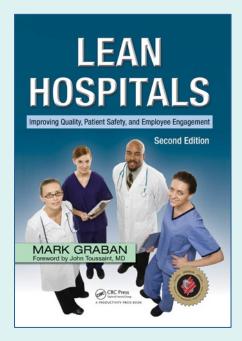
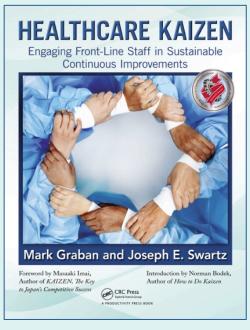
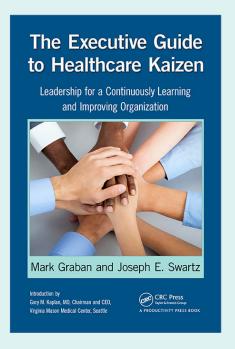
Key Lean Mindsets for Healthcare

Mark Graban

- President, Constancy, Inc.
- Faculty, Lean Enterprise Institute & ThedaCare Center for Healthcare Value

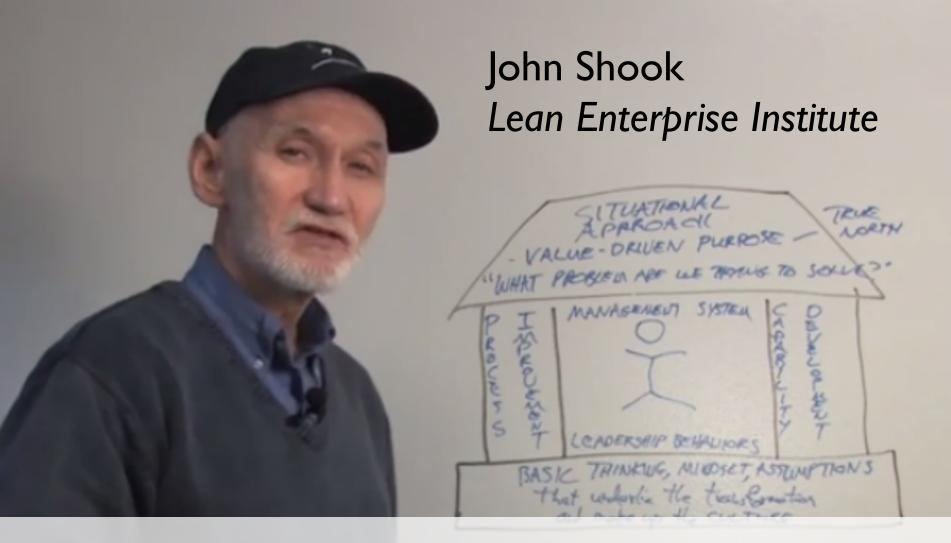






WHY

LEAN?



What problem are we trying to solve?

Clear Purpose ThedaCare True North Metrics

Measuring the health of our organization

Safety

- System Patient Safety Bundle
- D.A.R.T



Quality

- Quality
 Preventable Mortality
 - 30 Day Readmission

Customer "Lori"



Customer Loyalty Score

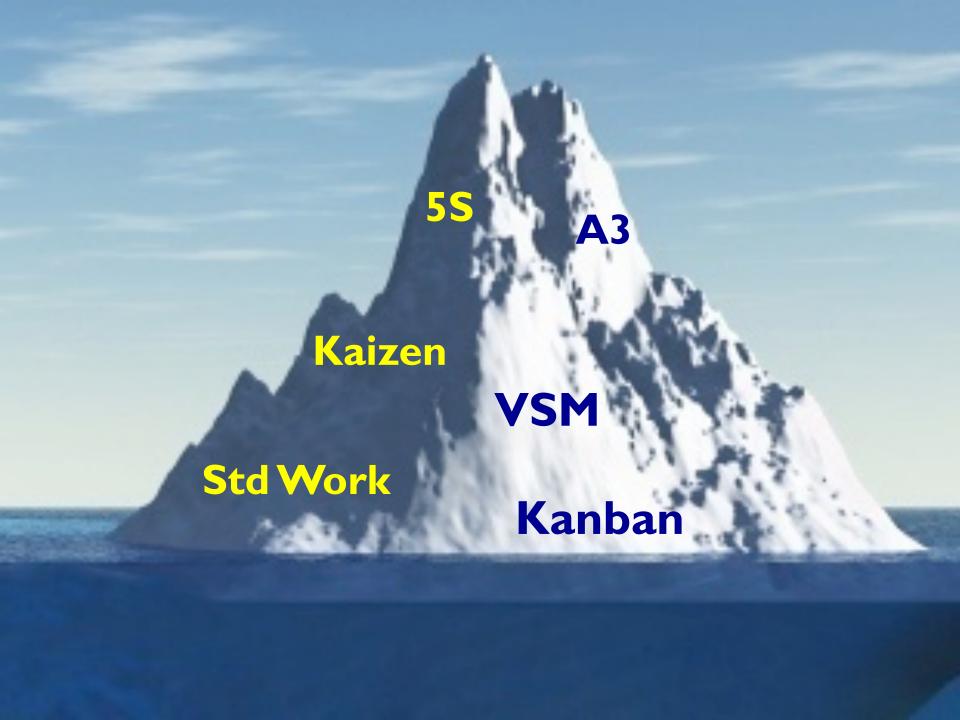
People

- Engagement Index
- Health Assessment Score

Financial Stewardship

- Operating Margin
- Productivity

11/1/12 Rev: 10





Management System
Philosophy
Culture
Thinking
Mindsets



THETOYOTAWAY

CONTINUOUS IMPROVEMENT RESPECT FOR PEOPLE

organizational Culture

Pechnical Human Development **Philosophy**

... An Integrated System

"It is of critical importance that if you start this journey, that it starts with the top, the administration. If you don't hardwire Lean thinking into your routine, then it will just become a 'flavor of the month.'"



Rebecca Smith, VP & COO Caldwell UNC Health Care

PHILOSOPHY AND VALUES



- We respect the dignity and worth of each person and strive to promote the rights of our patients.
- We are dedicated to caring and compassion for all whom we serve.
 Their needs of body, mind and spirit are our first priority.
- We are committed to quality service through continuous quality improvement, teamwork and collaboration.
- We encourage innovation through an empowered workforce as a way of achieving healthcare services that embrace our philosophy, values and mission.
- We believe in community stewardship and will work in collaborative partnership with others to help assure affordable and accessible services for all people of this region.



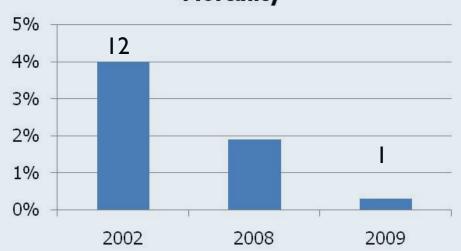
Don't Accept Tradeoffs

Traditional Thinking

MORE People MORE Space MORE Money

ThedaCare Coronary Bypass Patients

Mortality





Learn, But Don't Copy



Edit	View	History	Bookmarks
Undo Redo			業Z 企業Z
Cut Cop Pas Pas Del	oy ste ste and l	Match Sty	業X 業C 業V le 企業V
Select All			ЖA



"Thinking Production System"

"An environment where people have to think brings with it wisdom, and this wisdom brings with it kaizen...

Perhaps the greatest strength of the Toyota Production System is the way it develops people.

This is why the T actually stands for 'Thinking' as well as for 'Toyota.'"

Teruyuki Minoura, Toyota



Safe Work
Reliable Work
Skilled Work
Safe Work is "the door" to all work
Let us always pass through this door first

Eiji Toyoda

安全七作業 確实七作業 短練比作業

血を作作業は作業の入りである かおくしはらは、まずいかりとこの 入口を通りましょう。

晝田英二

Dean Gruner, MD CEO of ThedaCare





Goal: ZERO lost work time injuries

"People should not be hurt who work for Alcoa. It's not a priority. It's a precondition."

- I/20th of the national average
- 30x safer than hospitals

Paul O'Neill

- CEO of Alcoa
- Pittsburgh Regional Health Initiative
- U.S. Treasury Secretary

Push to Zero

Saint Francis has introduced a Lean campaign that targets quality improvement and waste reduction throughout the healthcare system. "Lean is not just a one-time project," explains Diemer. "It is a part of our culture that is built into the organization."

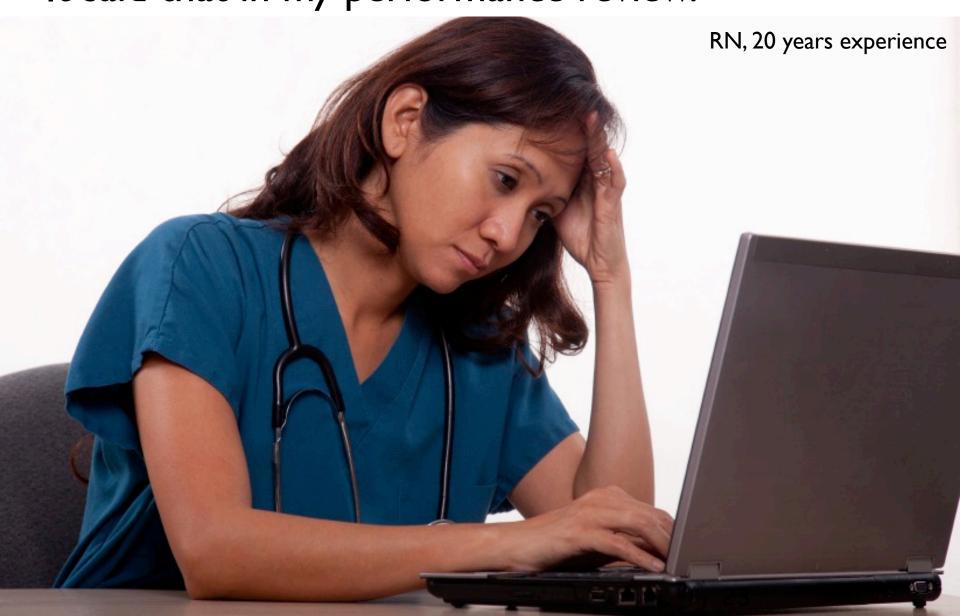
Lean Improves Safety

- Virginia Mason Medical Center
 - Cut the incidence of pressure ulcers to 2% from 8%, preventing a projected 838 per year
 - 75% fall in the number of litigation claims it received between 2004-05 and 2012-13
- Seattle Children's Hospital
 - 66% reduction in TPN medication error rates
 - 50% reduction in ICU bloodstream infections
 - 20% fewer ventilator days for patients.



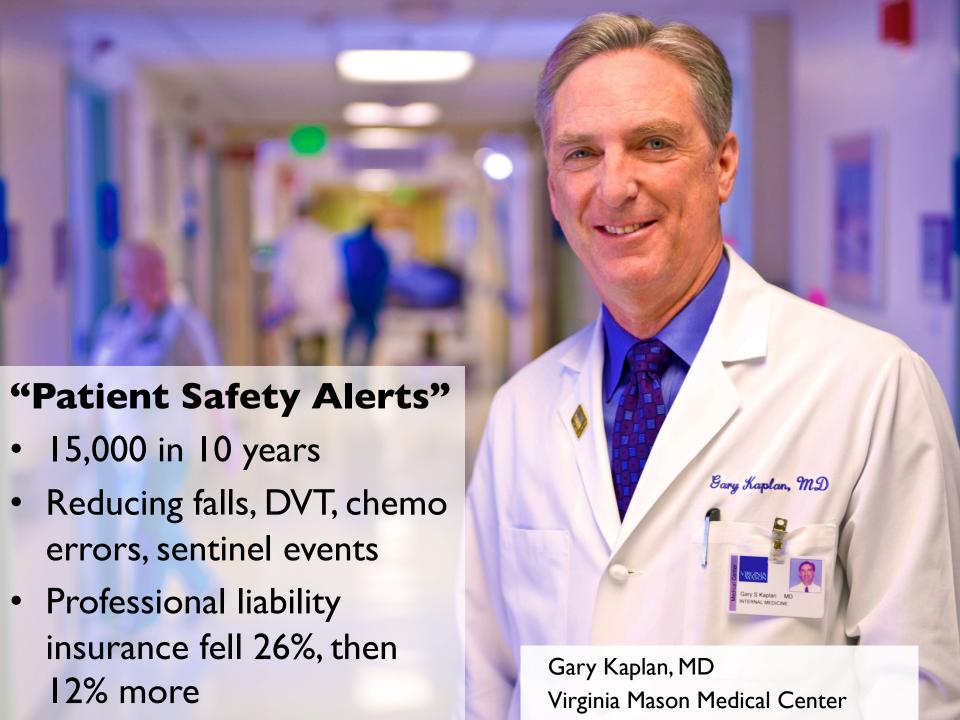
Problems Are Treasure

I was 'creating a negative work environment.'
It said that in my performance review."











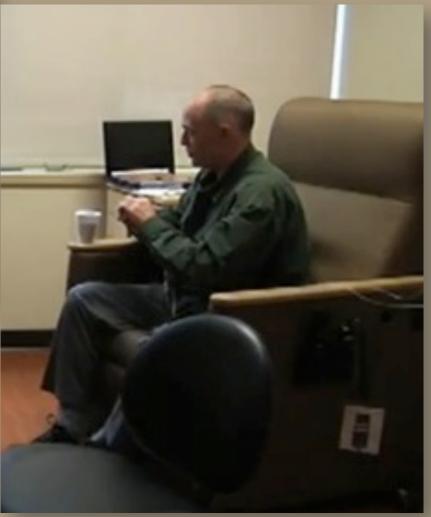




"Where care comes to you."

Park Nicollet Frauenshuh
Cancer Center

"It's kinda all about you."

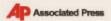




Don't Rely On Layoffs

A Clear Comparison, 2011

General Motors lays off workers at NY plant





AP – FILE - In this Dec. 18, 2009 file photo, the entrance to the General Motors Powertrain plant in Tonawanda, ...

By DEE-ANN DURBIN, AP Auto Writer - Mon Mar 21, 4:58 pm ET

DETROIT – General Motors Co. on Monday is halting some production and temporarily laying off workers at a Buffalo, N.Y., engine plant, another sign that Japan's disaster is affecting automakers around the globe.

GM is suspending production of engines built at its Tonawanda plant for the Chevrolet Colorado and GMC Canyon compact pickups, which are assembled at a GM factory in Shreveport, La. GM shut down its Shreveport operation this week because of a shortage of parts from Japan.

Toyota shutdown looming

By QMI AGENCY

Last Updated: April 6, 2011 7:50am

WOODSTOCK - A shutdown is looming at Woodstock's Toyota plant, but officials say there will be no layoffs.

The move comes in the wake of a parts shortage from Japan after the country was paralyzed by a devastating earthquake and tsunami.

"We do anticipate some non-production days," Toyota Motor Manufacturing Canada spokesperson Pat Clement said.

"No Layoffs Due to Lean"



How lean management helped hospitals avoid layoffs

October 1, 2010 | By Mark Graban

SHARE

based on the hospitals or several lead

saving or cre

Traditionally,

organization

costs and at strengthened

improvemen

organization

setting.



Email











TOOLS



Here are fou layoffs due t

Comment

Despite the BECKER'S ---

lospital Review

Lean as an Alternative to Mass Layoffs in Healthcare

Written by Mark Graban, Lean Expert and Chief Improvement Officer, KaiNexus I September 06, 2012

Social Sharing 🛐 📝 🙆 🔐 🐻 📊 🐯 🙃









Tags: lean I Mark Graban I mass layoffs

When faced with financial pressures, hospital leaders often try to reduce costs by laying off hospital employees. This is, in a way, understandable, since payroll makes up 60 to 70 percent of a typical hospital's overall costs.

An increasing number of hospitals, however, are questioning the long-term impact of layoffs on morale, cost and quality. As a result, many are turning to "Lean management" practices, based on the Toyota Production System, as an alternative. The Lean methodology reduces costs, with lower costs being the end result of higher staff engagement and better patient care. Denver Health is one such health system with a "no-layoffs philosophy," having saved over \$150 million through their Lean program. Without those savings, Denver Health would "absolutely have had to cut jobs," said CEO Patricia Gabow, MD, in a Denver Post report.

CEO-Level Plan, Do...



Gary Passama, president and CEO of NorthBay Healthcare, draws on his 40-plus years in administration to comment

Old Mindset:

- NorthBay has "unfortunately had to deal with various cost crises by laying off staff" during his tenure
- Senior leaders sometimes "really have no choice" about layoffs.

CEO-Level Study, Adjust...



Gary Passama, president and CEO of NorthBay Healthcare, draws on his 40-plus years in administration to comment

New Mindset:

- "After a year or so, the employee count is back up and the savings evaporate," adding, "There has to be a better, longer lasting and less traumatic way to deal with such fiscal situations."
- Lean is a journey, not a
 destination. It requires a long term time horizon and long-term
 commitment.

Lack of Time for Kaizen?



"Mikki Gremp, RN, left one hospital because a number of policies, including its practice of 'flexing down,' left her feeling that nurses weren't valued."

AJN Report: The Other Side of Mandatory Overtime Roxanne Nelson BSN, RN Maureen Shawn Kennedy MA, RN, editorial director

AJN, American Journal of Nursing April 2008, Volume 108 Number 4, Pages 23 - 24



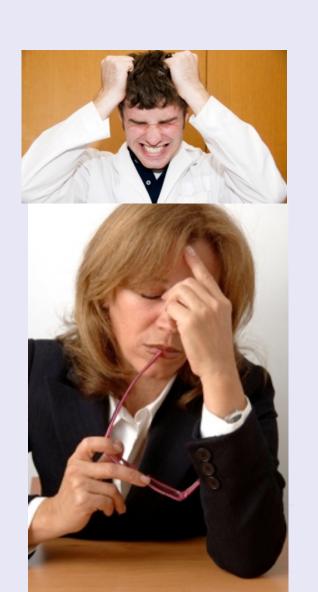
Stop Overburdening People

Overburden ("Muri")

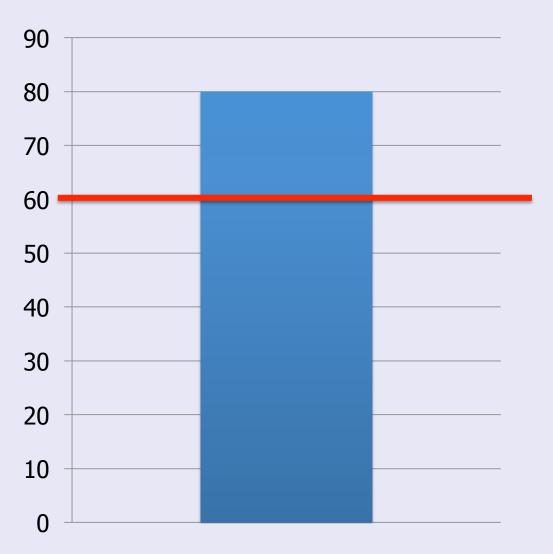
Overburden isn't respectful

- Two types:
 - -Too much work
 - -Work too difficult

Work is uneven (mura)



Nursing Unit Analysis



"Which 20 minutes of work are you going to skip in an hour?"

Systemic Global "Waste"

What % of time do "med/surg" unit RNs spend directly with patients?

A:	21%		
B:	33%	New Zealand	33%
C:	50%	Virginia Mason	32%
C .		NHS England	34%
D:	65%	Illinois	31%
		Cinci Children's	29%

It is possible to double this time with patients More time to do the "right things"



How Many Top Priorities?

Another way that people are disrespected, perhaps unwittingly, is when initiatives and projects are piled on, leaving them with a sense that little can be accomplished against a mountain of needs. I see this all the time. In a hospital in North Carolina, for instance, I asked a hospital's 17 top executives to name every critical initiative that they were tracking. I gave them pads of yellow sticky notes and said, "One initiative per note."

At the end of 15 minutes, those executives had 222 sticky notes plastered over the walls of that conference room. Guess who was going to do that work required by those initiatives—gathering data, researching various possibilities? I can tell you it was not those executives. Launching new initiatives is easy; it gives us the illusion that something positive is about to happen. Subtracting them requires hard work, honest debates, and—there's no other word for it—leadership.

Strategy Deployment

- Encourages focus
- What key measures?
- What key initiatives?



HEALTH SYSTEM

TRUE NORTH WALL

SAFETY & QUALITY

PEOPLE

PATIENT SERVICE

FINANCIAL

MOTHER A3

MOTHER A3

MOTHER A3

MOTHER A3

MEASURE 1

MEASURE 3

1

MEASURE

MEASURE 1 MEASURE 3

MEASURE

MEASURE 4

MEASURE 2

MEASURE 2

MEASURE 4

MEASURE 1

MEASURE 2

MEASURE 5

MEASURE

HEALTH SYSTEM

FOCUS A3s

FOCUS A3 #1 FOCUS A3 #2 FOCUS A3 #3 FOCUS A3 #4

FOCUS A3 #5 FOCUS A3 #6

FOCUS A3 #7

FOCUS A3 #8

FOCUS

A3

#14

FOCUS A3 #9 FOCUS A3 #10 FOCUS A3 #11

FOCUS

A3

FOCUS A3 #12

FOCUS A3 #13

FOCUS

A3

#19

FOCUS A3 #20 FOCUS A3 #15

FOCUS

A3

#21

FOCUS A3 #16

FOCUS

A3

#22

#17
FOCUS
A3
#23

FOCUS A3 #18

FOCUS A3 #24



Break Down Silos

Cath a b

Cardino -0 gg V

Radio Ogy

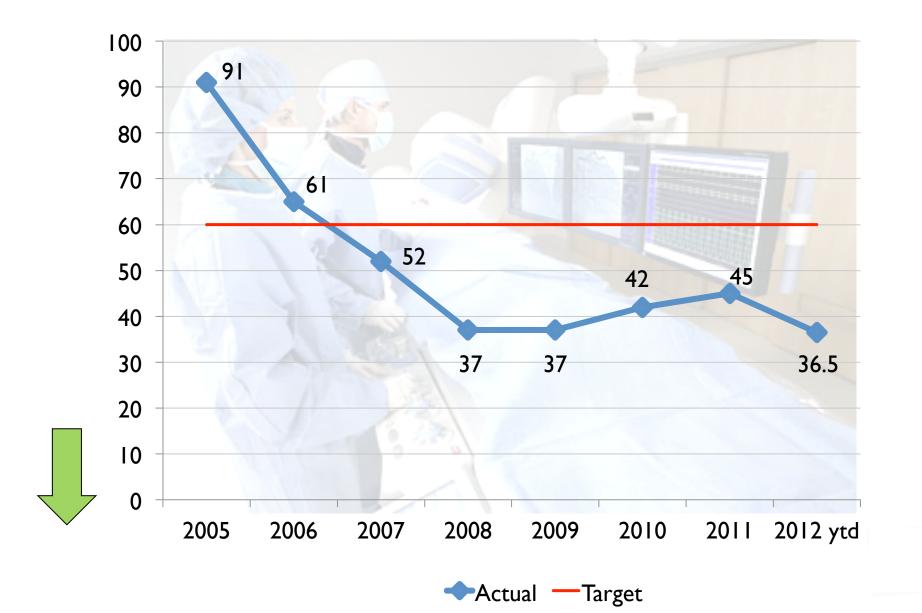
Emergency

Nursing

Triage

Ambul l ance

ThedaCare "Door to Balloon"



Value Stream Mapping



"I know we're not doing the right thing, but I have to hit my department budget."





"American management is quick to assign blame to an individual when the problem, is in fact, a fault in the system."



W. Edwards Deming (1900-1993)



"When language skills develop, one of the first practical things that can be done with them is to blame others for one's misdeeds."

ACCORDING TO

ANY PATIENT WEIGHING 250 LBS
OR OVER SHOULD USE A HOVERMATT FOR LATERAL

TRANSFERS.
USE THIS EQUIPMENT FOR
TURNING AND TRANSFERS TO

PATIENT SAFE FROM INJURY.

THANK YOU

THE KEY IS ON YOUR UNIT, ASK YOUR TEAM LEADER, MANAGER, OR DIRECTOR.

The Quaid Case Heparin/Hep-Lock



Hospital CMO:

"This was a preventable error, involving a failure to follow our standard policies and procedures, and there is no excuse for that to occur at Cedars-Sinai."

Was this the first time the policies and procedures were not followed?



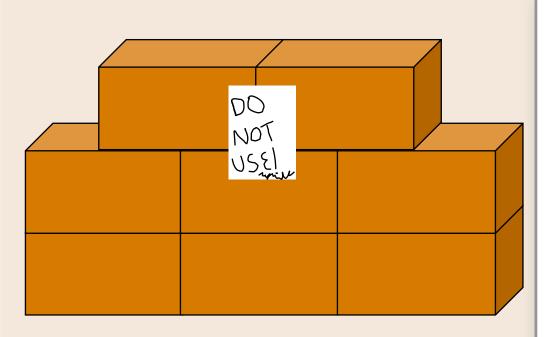


End Command and Control





"The Power of Why"



DO NOT USE

Use of these parts could result in brake failure and possible customer injury

Explaining "Why" to Patients



No Food or Drinks in this Area.



In consideration of our patients who are not allowed to eat or drink while waiting for their appointment no food or drinks are allowed in this area.

No se permite comida ni bebidas en esta area.

En la consideración de nuestros pacientes no se permita que comer o beber mientras que esperan su cita no se permite ningún alimento o bebidas en esta área.

Source: Children's Medical Center, Dallas



Go to the Gemba

Three Keys to Lean Leadership

- Go See
- Ask Why



Toyota Chairman Fujio Cho

Show Respect

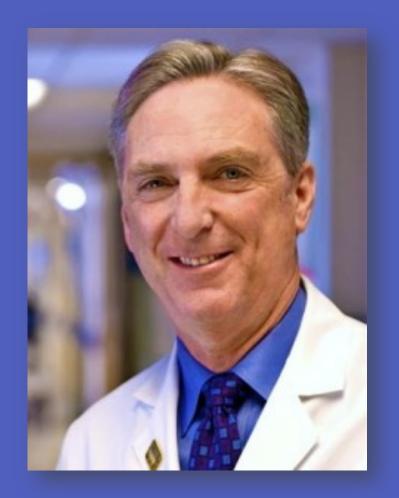
"Toyota managers should be sufficiently engaged on the factory floor that they have to wash their hands at least three times a day."

Taiichi Ohno



"...Kaplan tours the hospital daily looking for problems and solutions. Everyone is encouraged to look for changes to make work more efficient."

- Virginia Mason CEO Gary Kaplan, MD



Manage Visually



Not Just Charts on the Wall



Managing a Best Practice Solution





Are We Managing the System?

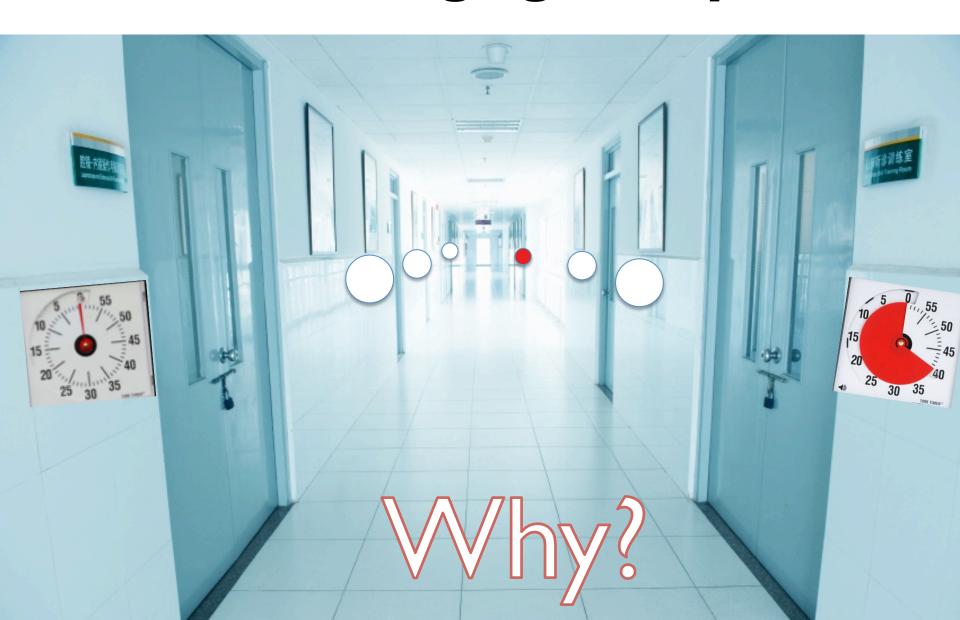
Date:	12am	2 am	4am	6am	7am	8am	9am	10am	11am	12pm	1pm	2pm	Зрт	4pm	5pm	6pm	7pm	врт	md 6	10pm
Intentional rounds completed by: (place initials in box indicating time of rounds, check all items below that apply for that time)	V	√			V		\checkmark		√	\checkmark	√	\checkmark		\checkmark						
3 P-s																				
Pain Assessment																				
Toileting (potty) - assist patient to restroom																				
Positioning																				
Environmental scan																				
Fall risk hazards: bed in low position, cords are secured	,																			
Phone, water, tissue, urinal, bedside table, trashcan, and call light are within reach	,		_					_												
Temperature of room, blankets, pillows	,		_					_					_							
Prior to leaving room																				
Ask, "Is there anything else I can do for you? I have the time."								/												
Remind the patient that a staff member (let them know who) will be back in about an hour to round on them again.																				
Document the round on the patient's chart.																				

Are We Managing the System?



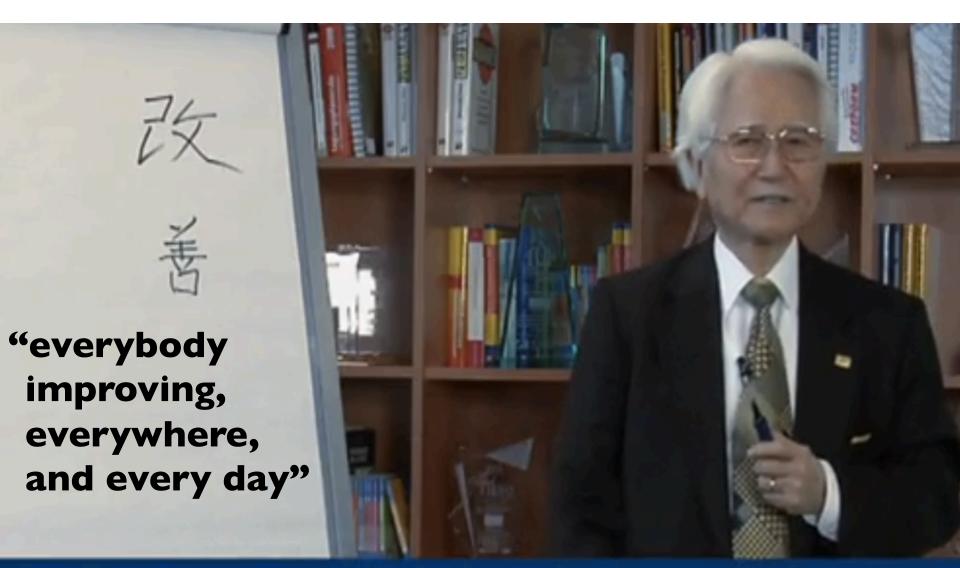


Are We Managing the System?

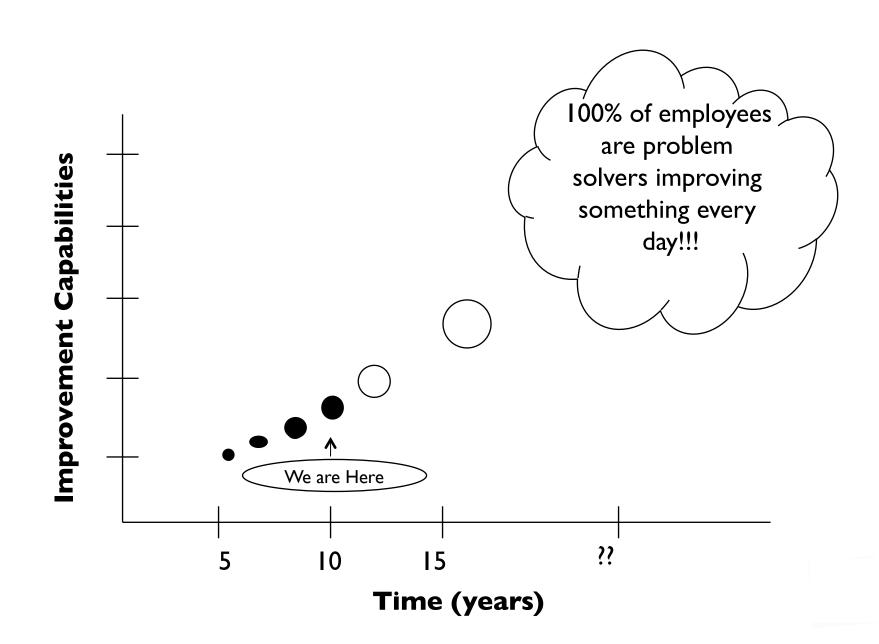




Involve Everybody



Masaaki Imai - Founder KAIZEN Institute



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