Improving Culture & Employee Engagement with Lean Tools

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- Introductions
- The Need
- The Process
- The Results

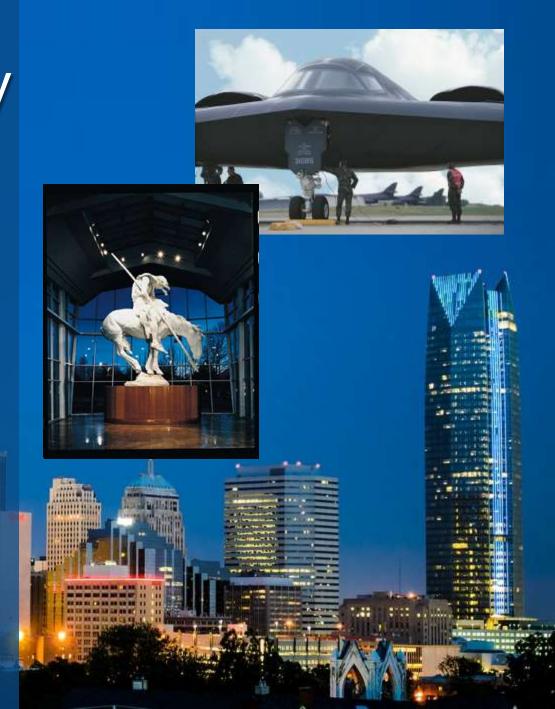






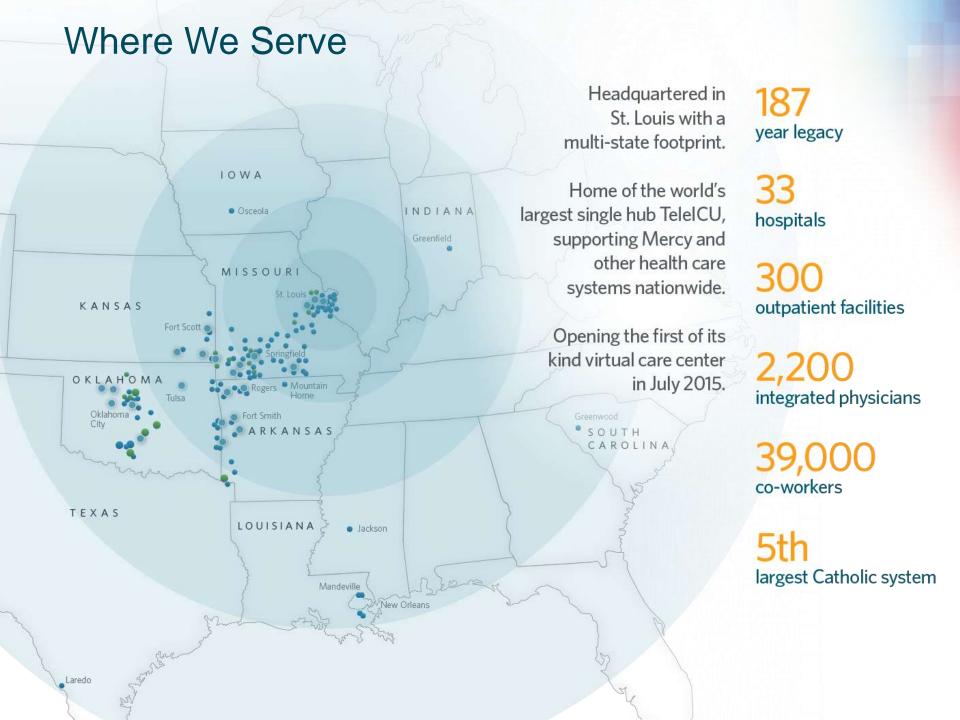
Oklahoma City

- 3rd largest city in the United States
- Diversified industry
 - Aerospace
 - Energy
 - BioScience
 - Manufacturing
 - Healthcare
 - International
 - Government











Year in Review

Mercy Hospital Oklahoma City

Designation/Accreditations

- SAVI Center of Excellence
- ASGE Center of Excellene
- Joint Commission Certification for Advanced Stroke Center
- Certified Healthy Business
- · Joint Commission Top Performer



AWARDS and ACCOMPLISHMENTS

- NRC perception best overall quality, image/reputation, doctors, nurses
- PRC patient satisfaction
 - Place to work 0000
 - Communication 0000
 - Immediate supervisor 0000
 - Overall empowerment 0000
 - Senior leadership 0000
 - Teamwork within department 0000
 - Training and professional development 0000
- · Readers' Choice Best Place to Have a Baby





"The simplest and most practical lesson I know...is to resolve to be good today, but better tomorrow."

Catherine McAuley

Founder, Sisters of Mercy Dublin, Ireland 1827





Lean thinking....the why

Periods in the development of thinking

1990-Mid-90s-1980-1990 2000+ mid-90s 1999 **Production cell Shop-floor** Value stream Value system **FOCUS ON** and line Highly prescriptive, Highly prescriptive, Prescriptive, Integrative, using **APPROACH** imitating lea using lean tools organization Improving customer value to improve Automotive—vehicle Automotive-**INDUSTRY** and compor assembly **SECTOR** assembly organizational alignment. **Application of JIT-Emulation** o **TYPICAL** lean organiz techniques, 5s, kanban **ACTIVITY IN** training and Decrease variability THIS PHASE TQM



Do No Harm

- 440,000 people die every year from hospital errors, injuries, accidents, and infections
- 1 out of every 25 patients develops an infection while in the hospital—an infection that didn't have to happen.
- A Medicare patient has a 1 in 4 chance of experiencing injury, harm or death when admitted to a hospital
- Today alone, more than 1,000 people will die because of a preventable hospital error



International Ranking for Medical Procedures

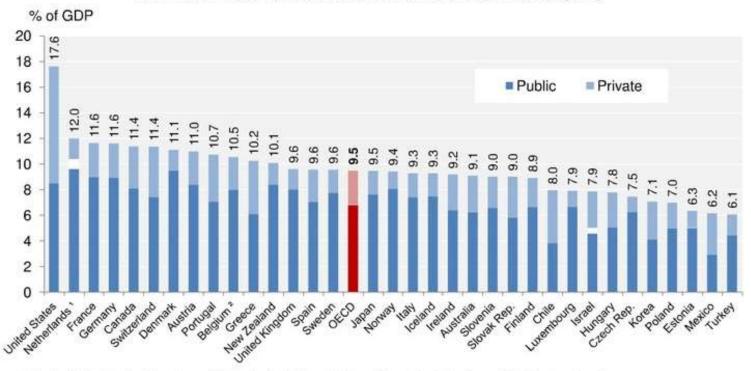
	United States	Rank compared with OECD countries	OECD average
MRI units	31.6 per million population	2 nd	12.5 per million population
MRI exams	97.7 per 1 000 population	2 nd	46.3 per 1 000 population
CT scanners	40.7 per million population	3 rd	22.6 per million population
CT exams	265.0 per 1 000 population	3 rd	123.8 per 1 000 population
Tonsillectomy	254.4 per 100 000 population	1 st	130.1 per 100 000 population
Coronary bypass	79.0 per 100 000 population	3 rd	47.3 per 100 000 population
Knee replacements	226.0 per 100 000 population	1 st	121.6 per 100 000 population
Caesarean sections	32.9 per 100 live births	6 th	26.1 per 100 live births

Source: OECD Health Data 2012.



At 17.6% of GDP in 2010, US health spending is one and a half as much as any other country, and nearly twice the OECD average

Total health expenditure as a share of GDP, 2010 (or nearest year)



1. In the Netherlands, it is not possible to clearly distinguish the public and private share related to investments.

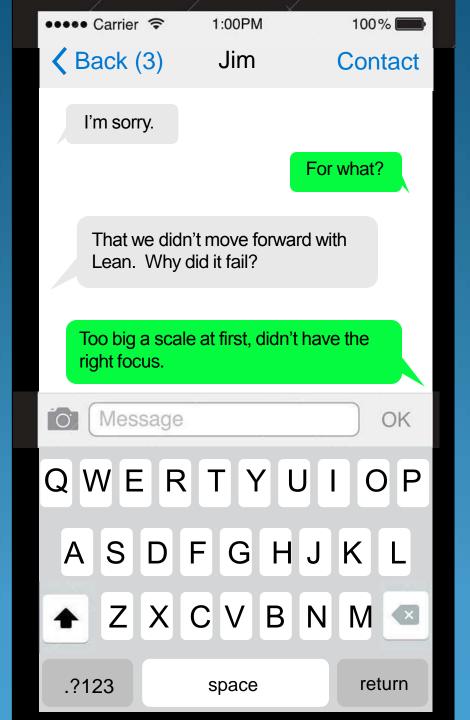
2. Total expenditure excluding investments.

Information on data for Israel: http://dx.doi.org/10.1787/888932315602.

Source: OECD Health Data 2012.



4





Plan

DO

STUDY

Act

Please

DO

something already!

Unconscious Incompetence

VS.

Conscious Incompetence



First Things First

Lean is a cultural transformation.

It changes how an organization works and thinks.

It requires new habits, new skills, and often a new attitude throughout the organization from senior leadership to front line service providers.



Lean & Employee Engagement

FIVE PRINCIPLES OF LEAN THINKING

- Provide the value customers actually desire
- Identify the value stream and eliminate waste
- Line up the remaining steps to create continuous flow
- Pull production based on customers consumption
- Start over in a pursuit of perfection "the happy situation of perfect value provided with zero waste"



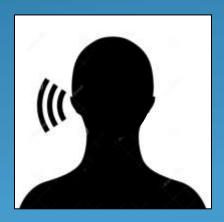
LEADERSHIP



HUMILITY



LISTENING



DISCIPLINE







LEAD DIFFERENTLY



Out of Sight, Out of Mind

What We are Missing in the "Gemba"?





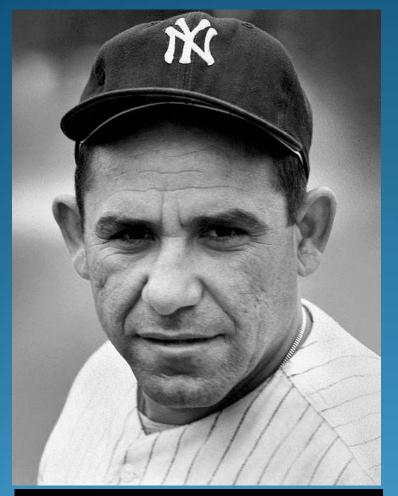
HUMILITY





LISTENING





Yogi Berra

"You can see a lot just by looking."



Sherlock Holmes

"You see, but you do not observe."



Why?

"Excellence is never an accident. It is always the result of high intention, sincere effort, and intelligent execution; it represents the wise choice of many alternatives - choice, not chance, determines your destiny."



DISCIPLINE





Five Dimensions of Excellence





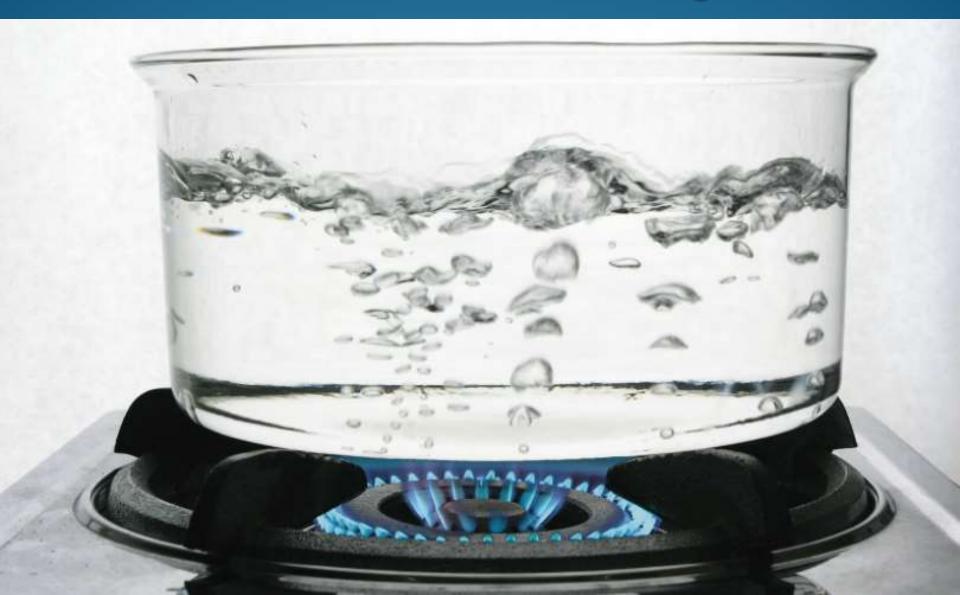
Why go to GEMBA?







How water would be good.



time department Overproduction equipment Extra Transportation inefficient defects waiting needs e case Idle history Moving meet material ED co-workers claims clean-up because correctly locations instead analysis disorder chart just facility current medical etc location services Missing many fully elements first charting supplies available Collection business blood inefficiencies complete reation medications linen lab expectations central unnecessary experience daily lab materials IVs errors draws process information scheduled incorrect adding denials Creation Excessive layout/process Having Searching Batching doing Customer Inventory assignments increasing co-worker's Gathering Excess additional and/or Patients room Multiple resources people appointments

Lean gets RESULTS



National results.... we're making improvements

2010 to 2013 the country saw 1.3 million fewer hospital-acquired conditions – a 17% decrease



14% reduction in catheter-associated urinary tract infections

20% reduction in

pressure ulcers

\$12 billion was saved in health care costs during the three-year time span



Local results.... we're making improvements

- 64% reduction in Hospital Acquired Infections (2014-15)
- All 12 elements of Culture of Safety Survey showed improvement
- 4.7 point improvement overall
- Higher than national benchmarks in all categories
- 78% reduction in Hospital Acquired Pressure Ulcers (2014-15)

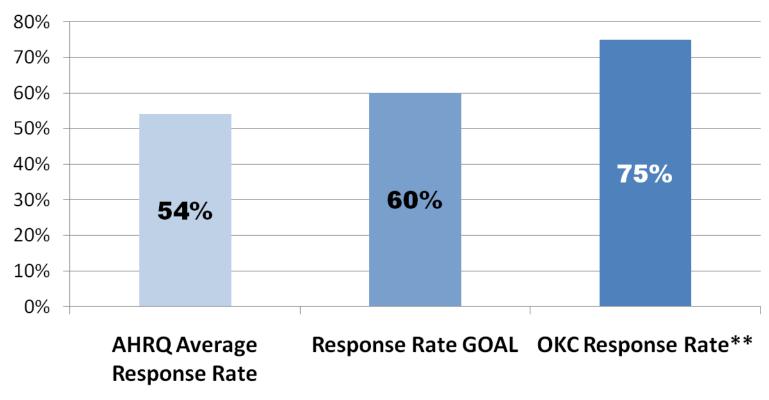


Local results.... we're making improvements

- 11.3 point improvement as place to work (nationally a 20 percentile point improvement in ranking)
- Improvement in every engagement element
- Higher ranking on every engagement element as compared to Mercy Ministry average
- Outpatient satisfaction scores improved by 4.3
 points year/year



AHRQ* Hospital Survey on Patient Safety (HSOPS) 2015

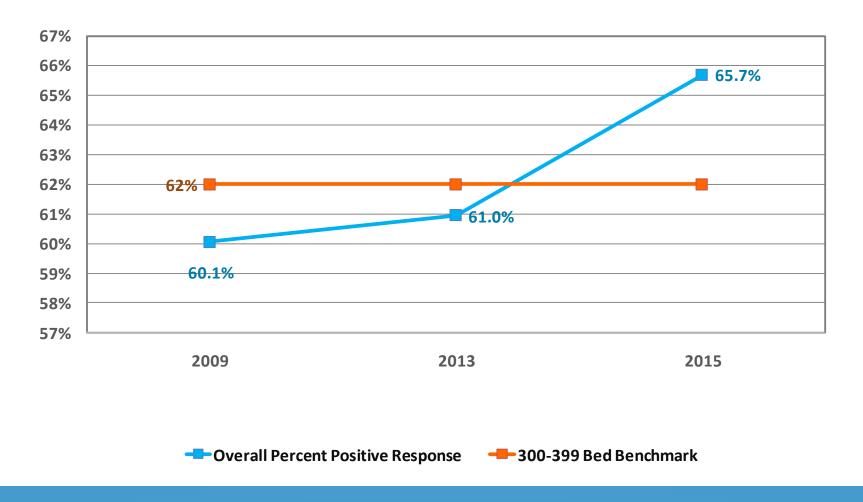


^{*}Agency for Healthcare Research and Quality



^{**}Approximate - 1655 Total Participants of 2200 Eligible

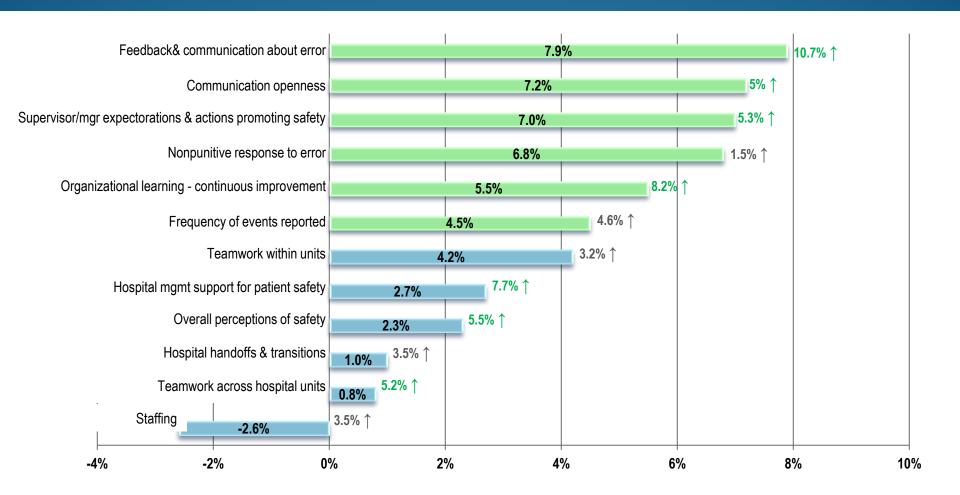
Mercy Hospital OKC Overall Percent Positive Response





MHOKC 2015 HSOPS Results

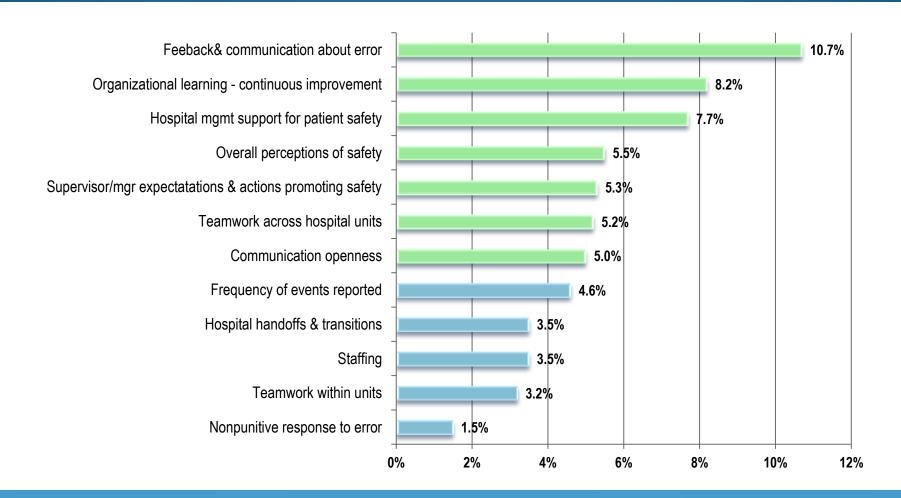
Difference from 300-399 Bed AHRQ Benchmark





MHOKC 2015 HSOPS Results

Movement from Previous Data





Percent Excellent Comparisons

	N of Cases	1549	1217					
Key Driver	Question	2013	2014	2015	2016	2017	PL Ranking*	Overall Ranking*
4	As a Place to Work	31.6	42.9			7	79.0	53.3
1	Patient Care	27.8	37.3		5	9.0	64.6	54.3
	Staff's Concern and Caring Attitude	31.4	39.3				55.5	46.0
2	Focus on Health and Wellness	-	32.7			2		
	Encouraging/Supporting Healthy Lifestyle	-	38.9	Cianifia	ant	5		
3	Senior Leadership	17.9	28.8	Signific	cant		78.1	51.1
	Support of Employees to Provide Excellent Service	20.2	31.3	improv	rement o	n 🔼	64.8	42.6
				every e	element			
	Patient Safety	31.7	38.3				48.1	33.1
- 3	Appropriateness of Safety Measures Put in Place	33.9	41.4] = J	25	43.4	32.5
	Teamwork Between Departments	16.5	23.3				67.8	50.5
32	Promptness of Services of Other Departments	16.7	23.4		Higher Pl	-	69.8	48.7
	Teamwork Within Department	35.4	45.7		ranking o	n everv	76.9	54.9
	Reliability of Other Members of Team or Work Group	37.7	46.6		_	_	73.4	54.9
	Communication	13.2	19.8		element		77.9	49.7
- 8	Communication Between Departments	12.8	18.0		compare	d to	79,4	54.6
	Direct Leader	50.6	54.6		Ministry	average	89.9	80.2
	Exhibiting Behavior Consistent With Values	50.1	56.0		iviiiiisei y	average	82.1	51.6
	Indirect Leader	N/A	N/A		- 1	*	100.0	94.0
	Creating and Sustaining Experience	N/A	N/A		1 1			
	Training and Professional Development	26.3	31.8				81.5	53.0
	Level of Training Received to Achieve Career Goals	27.9	32.7			- 2	77.6	47.6
-	Empowerment	21.7	29.7			100	75.0	41.4
- 1	Understand Impact of Strategy for Success		32.9		- 6			
	Extent to Which Hospital Meets its Mission	27	39.5		- 2	27		
- 9	Extent Ministry Committed to Caring for Poor		43.0		-			

^{*}Process Level Ranking - Mercy Hospital Oklahoma City Percent Excellent Ranking compared to the 2014 Employee Norms

^{*}Overall Ranking - Overall Mercy Percent Excellent Ranking compared to the 2014 Employee Norms

^{*}Results suppressed for questions with < 5 employees responding

MORE than a ONCE and done



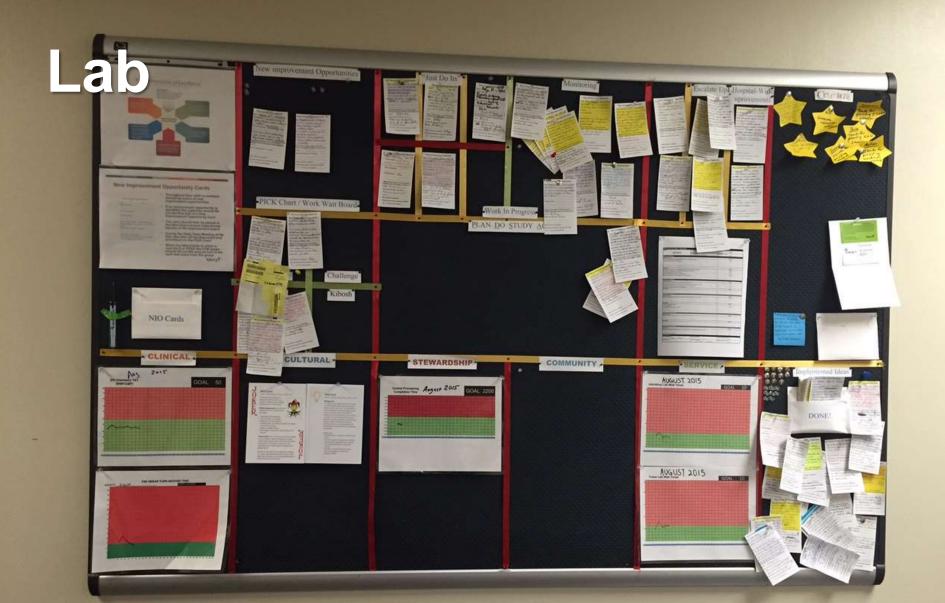
0%

5%

90%









Mercy Excellent Impact (Circle all that apply) Clinical, Cultural, Stewardship, Community, St.

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No Yes If yes, who reported?

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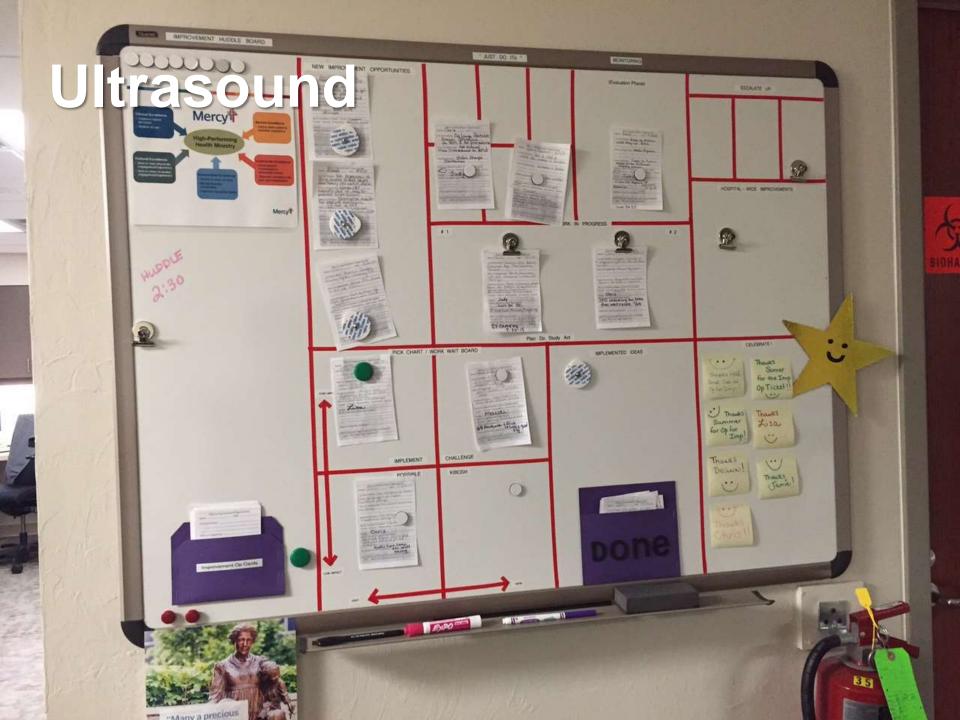
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	Mercy Late Improvement Opportunity Name Yacheda 6 the 2-20-15 List the Postdam Specimen missing or gething to seed without setting up Cutfors Not checking Way is a bappening. Outstanding List,
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	What is the action plan? Next Steps?
Does	en will this be completed?

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Mercy Excellent Impact. (Circle all that apply) Clinical, Cultural, Stewardship, Community, Service	
Owner:	
What is the action plan? Next Steps?	
When will this be completed?	
Does this event need to be reported to the MER?	
No Yes If yes, who reported?	i

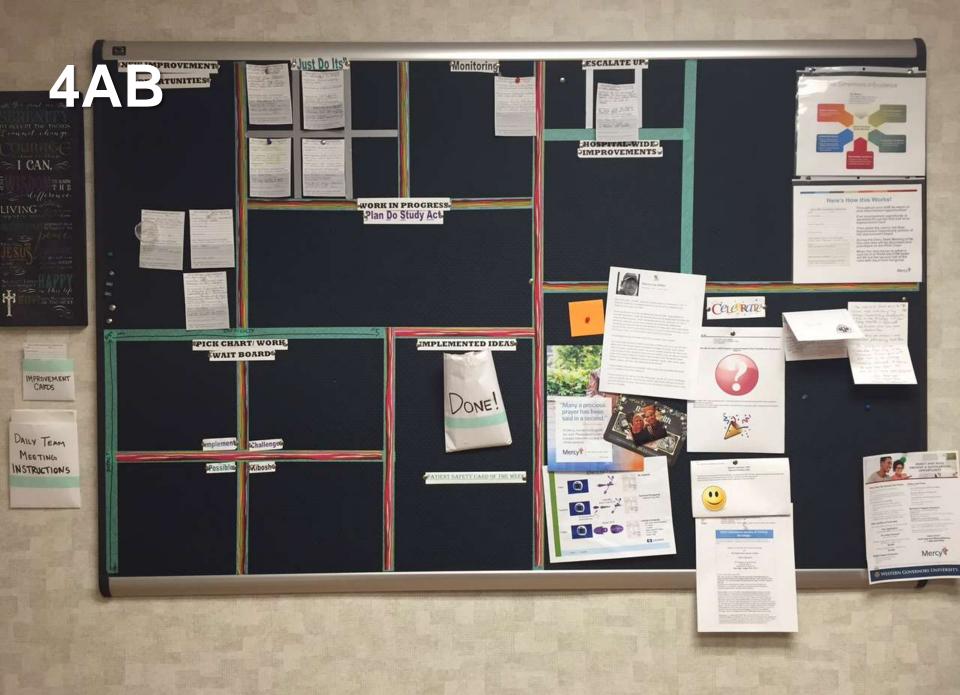




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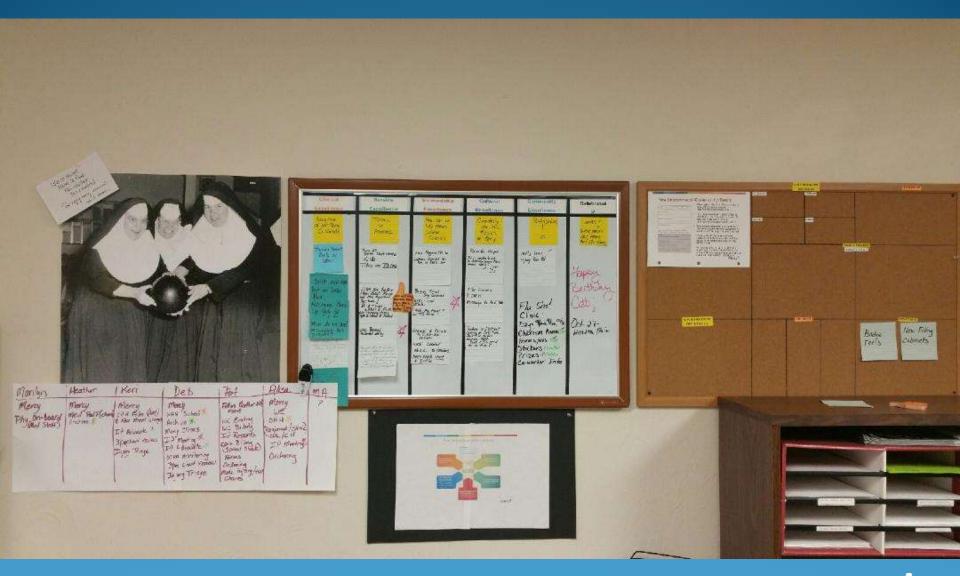


New Improvement Board- Mock Up Monitoring Just Do Its New Improvement **Opportunities** Hospital-Wide Improvements Plan Do Study Act Opportunity Cards PICK Chart/Work **Implemented Ideas** Celebrate! Huddle **Wait Board** Leader Standard Work Implement Challenge Possible Kibosh Done! Difficutly

New Metric Board- Mock- Up



Co-worker Health Huddle Board





Sometimes it is just that simple.

