Process of Quality Improvement— The Colorado Experience

Leslie Jameson MD University of Colorado Department of Anesthesiology Change!!!!

Who?





Everyone!!!

Why? PUBLIC →Regulators→ Medical Community Want to create change in medical practice

- Result in improved <u>measured</u> outcome
 - Patient satisfaction (high hospital ratings)
 - Lower morbidity (eg, infection, readmission, LOS)
 - Reduced medical costs (no morbidity)
- Motivator
 - Personal satisfaction (the most effective motivator)
 - ♦ Money (2015 CMS → QCDR)
 - Money (Credentials)
 - Money (Highly rated hospital-Patients)
 - Money (Licensure, ABA certification)

How?

MEASURE discrete a selected medical process (eg, SCIP, PQRI requirements)

- Assess DOCUMENTED Care that is important
- ✤ EDUCATE participants
 - Make a group process or an individual one
- MEASURE for Change in Practices
 - ✤ Maintain gains
- PROVIDE CONTINOUS PERFORMANCE REASSESSMENT – Medicine and public

Lucian Leap's Statement on Change

(Author of Too Err is Human IOM Report)

- 1. Errors & Failure are caused by system breakdowns not individual carelessness.
- 2. Changing systems (clinical actions) is hard work and



3. Most powerful method for reducing harm is feed back, learning from the best, and working in collaboration .

Adapted from JAMA FEB 3 2015; 313(5):467-8)

Here is how my department approached change and quality improvement for the last 8 years.

Use objective data

2006 - AIMS Percentage of Intra-Op Cases with Antibiotic administered before Incision 2009 - 5 \Rightarrow 100 Gene 95 By Lo 90 AOP Antibiotic SCIP acti 85 AIP Antibiotic **Overall Antibiotic** Admi 80 75 Anon 70 Educa 12721022109211621233101310831153122312941054112419 Wher \Rightarrow **E**IVIAIL

Issues with Generic

✤ Faculty were accountable and not accountable

- Non-physician caregivers had variable buy in and no responsibility except a conversation with ???
- Residents were too busy and came from so many locations, they just forgot or could not remember how to do some of the obscure charting.

2010--Provider and Location Report

- ✤ LIST of measures for this year
- Preop antibiotics, Normothermia

Group	Preop ABX	Normothermia
Attending (Supervisory)	92±17%	98±4%
Attending (In Room)	77±41%	96±14%
CRNA/AA	97±8%	99±4%
Resident	87±23%	93±21%
AIP	92.34	97.58
AOP	96.86	100
Other	96.23	96.43

2011--Issue was what we measured

- The Measures were not ours.
- Measures seemed to not matter
- More pressure to use administrative measures
 - In room time, turnover time,
 - "fast" 3 seconds late
 too bad



Assumption: Our measures Our commitment

- INSIDE--Social pressure to perform within a standard was being diluted by growth
 - Needed to be explicit
- ♦ OUTSIDE—Increased pressure for more measures—
 - Hospital requests all financial (time related),
 - Departmental wanted to improve the bottom line with clinical care



New Measures-1st Rule

CURRENT Measurable ACTIVITY

✤ Example

 Measure: Lung protective ventilation practices expected

Automatic tidal volume, PEEP and RR recorded

✤ Action:

 Values must be ADJUSTED based on patient characteristics

New Measures--2nd Rule



YES!!!!!

There must be some evidence about best practices

 Meta analysis, several review articles, best practice guidelines which rates the evidence

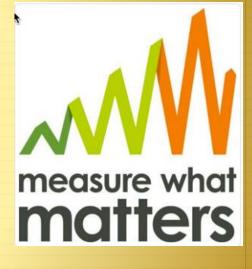
NO!!!!!

- One of my partners like to do it that way
- When I was a resident that's what they taught me

TRADITION, TRADITION

Process

- ALL members submitted suggestions
- Applied 85% rule-- 85% group could participate 50% of the time.
- Measures could be administrative but with agreed clinical consequences.
- EXPECTED outcome goal or consequence
- Anticipated as actions became habits would change actions (eg, reversal of nondepolarizing muscle relaxants)



Consensus won

Our List—1.0

- Antibiotics—stayed by popular (hospital?) demand
- Temperature—Good evidence on SSI and we would no longer freeze in the OR.
- Ultrasound for Central Line Placement—good evidence for line infection and sepsis.
 - Plus the hospital would have to provide more devices
- Reversal of Nondepolarizing Muscle Relaxants increased frequency of re-intubations in PACU and floor



Start with Education



Department of Anesthesiology Senior Resident Lecture University of Colorado School of Medicine

Tuesday, September 24, 2013 Time: 3:30 P.M. Location: AIP 2007 Televised: VA 4B105 & DHMC – OR pavilion A #2-837

"Post-Operative Nausea and Vomiting" Presenter: Sukhbir Walha, M.D.



Rubber hits the Road

Will we comply with our own measures???? Well sort of

Now had a Director of Perioperative Services saying we would have 100% compliance on clinical measures and 80% compliance on time measures (another story).



AT 8 Months Still well, not exactly

✤ Added a few more measures -- v. 2.0

✤ PONV—hospital metric we agreed with

 Epic Quality reporting available so now but not yet mandatory.

Group	Preop ABX	PONV Multimodal Therapy	Normothermia	U/S use for IJ CVC	NDMR
Attending (Supervisory)	95±8%	71±31%	92±13%	90±32%	77±27%
Attending (In Room)	82±34%	73±39%	90±32%	0±0%	43±53%
CRNA/AA	96±15%	74±28%	93±21%	100±0%	78±37%
Resident	91±16%	61±30%	87±31%	94±18%	81±25%
AIP	95.22	70.56	99.12	92.86	72.17
AOP	95.28	92.94	99.22	N/A	78.79
Other	92.37	58.82	76.92	N/A	92.31

Impact of CHANGE

✤ 2010—New EMR

- 2014 Quadrupled faculty and mid-level provider numbers
- Doubled anesthetizing locations
- UCH grew 20%-30% each year since 2011
- Hey, we're a "System" with 2 large Independent Hospital Organization with all private practice physicians



"What if we don't change at all ... and something magical just happens?"

November 2011 --- Radical Change

 Public individually identified reporting on compliance begins

- Used public accountability on the web for everything about us sooooo why not.
- Weekly public list (email) with names and values
 - Performance level established for hospital credentialing
 - Hospital quality monitoring is public--(really public) all measures were departmentally reported.
- A fire storm of ANGST



More Success with new format???

Theory—people noticed low performance and helped each other technically so it became "oh, you just didn't know how to chart this."

Activate competitive spirit

<u> ????????? (humiliation works)</u>

Criticism

Don't know the "rules" ✤ I did it and you made a mistake ✤ I'll just go and change it Doesn't matter anyway. ✤ I'm Mad!!!



Legend

- Preop ABX: Percent of Cases where Preop ABX were documented correctly, either given in a timely manner or a reason why ABX were not given was documented.
 - First signed in Providers during the case are counted.
- · PONV: A Multimodal PONV Therapy is administered
 - . Only cases with "General" checked in the Preon Plan are counted

Definitions of Each Measure

Anesthesiology QI Charting Report for 2/8/2015 - 2/14/2015

	-	PONV Multimodal Therapy	Normot
CRNA/AA	97±9%	77±25%	94± 1

- Сазоз with Carolo-pullionary буразз аго экіррой
- Cases >= 60 minutes need one of the following
 - Documented use of Bair Hugger
 - Temp >=36 during last 30 minutes of the case
 - Temp >=36 in PACU
- LAST signed in Providers during the case are counted.
- U/S use for IJ CVC Placement: Ultrasound Guidance is used and documented for Internal Jugular CVC Placement
 - Providers signed in during the placement are counted.
- Non-Depolarizing Muscle Relaxant Reversal Use
 - When more than 10 mg Rocuronium or more than 1 mg Vecuronium or more than 2 mg Cisatracurium is administered, Neostigmine must aslo be administered
 - If the case ends before 4 hours from the last dose of relaxant, Neostigmine must be administered before Extubation
 - · Neostigmine is not required if the case runs longer than 4 hours after the last dose of

Criteria for compliance

- Used KISS principles
- 2-3 months of "learning" before new criteria "counted"
- Time included education at grand rounds or in Resident Senior Lecture
- Today you can "hover" over each measure and get the criteria

I did it and you made a mistake

✤ Data integrity:

Learning where or who or if there was an error with a list of noncompliant/compliant patients

● ● ● Mozilla Firefox										
http://snow.uname=JAMESONL × 💽 QI Measures Definitions × +										
◄ ► ③ sno	snow.ucdenver.pvt/epicreports/ponvindv.aspx?startdate=9/22/2013&enddate=9/28/2013&uname=JAMESONL									
🧕 Most Visited 🔻	🕹 Getting Started 🗌	PPAI 🔝 Latest Headlines 🔻	🕺 http://www.goo M	http://mail.g	goog	8 http://images.g				
JAMESONL 9/22/2013 - 9/28/	JAMESONL 9/22/2013 - 9/28/2013									
Compliant Y/N	Attending	Resident/CRNA/AA	Patient	Date	Room	Therapies				
Compliant	JAMESON, LESLIE C	F		9/25/2013	AIP 10	ondansetron dexamethasone propofol infusion				
Compliant	JAMESON, LESLIE C],		9/25/2013	AIP 20	ondansetron dexamethasone propofol infusion				
Compliant	JAMESON, LESLIE C	J		9/25/2013	AIP 20	scopolamine ondansetron dexamethasone propofol infusion				

What it looks like at 3 months

Group	Preop ABX	PONVI	Multimodal	Therapy N	lormothermia	U/S use for IJ C	/C ND	MR	QI Data	Entry
Attending (Supervisory)	92±17%		75±25%		98±4%	96±11%	73 ±	27%	83±17	7%
Attending (In Room)	77±41%		91±19%		96±14%	0±0%	62±	52%	64±50)%
CRNA/AA	97±8%		78±28%		99±4%	0±0%	71±	35%	92±17	7%
Resident	87±23%		61±35%		93±21%	89±33%	66±4	42%	59±40)%
AIP	92.34		78.6		97.58	85.71	76.	92	86.4	5
AOP	96.86		90.24		100	N/A	62.	79	86.1	6
Other	96.23		63.49		96.43	N/A	7	0	79.55	
		reop ABX	PONV Multim	odal Therap	y Normothermia	U/S use for IJ CVC	NDMR	QII	Data Entry	
All		92±17%	75±2		98±4%	96±11%	73±27%	8	83±17%	
		<u>100%</u>	<u>50</u>	<u>%</u>	<u>100%</u>	<u>100%</u>	<u>100%</u>		<u>100%</u>	
		<u>100%</u>	<u>100</u>	<u>)%</u>	<u>100%</u>	N/A	<u>66.67%</u>		<u>62.5%</u>	
		<u>94.74%</u>	<u>100</u>	<u>)%</u>	<u>100%</u>	<u>100%</u>	<u>100%</u>		<u>93.75%</u>	
		<u>91.67%</u>	<u>100</u>	<u>)%</u>	<u>** 88.89% **</u>	<u>100%</u>	<u>42.86%</u>		<u>77.78%</u>	
		<u>100%</u>	<u>100</u>	<u>)%</u>	<u>100%</u>	N/A	<u>100%</u>		<u>80%</u>	
		<u>66.67%</u>	<u>100</u>	<u>)%</u>	<u>100%</u>	N/A	<u>33.33%</u>		<u>100%</u>	
		<u>100%</u>	<u>100</u>	<u>)%</u>	<u>100%</u>	N/A	N/A		<u>66.67%</u>	
		<u>100%</u>	<u>76.9</u>	<u>2%</u>	<u>100%</u>	N/A	<u>100%</u>		<u>63.64%</u>	_
		<u>75%</u>	<u>33.3</u>	<u>13%</u>	<u>100%</u>	N/A	<u>75%</u>		<u>57.14%</u>	
		<u>94.12%</u>	<u>72.2</u>	2%	<u>92.86%</u>	N/A	83.33%		<u>92.86%</u>	
		<u>100%</u>	<u>75</u>		<u>100%</u>	N/A	85.71%	-	<u>95%</u>	
	A	<u>100%</u>	<u>90</u>		<u>100%</u>	N/A	<u>54.55%</u>		<u>100%</u>	
		<u>95.83%</u>	<u>86.3</u>		<u>100%</u>	N/A	<u>100%</u>	!	<u>69.57%</u>	
		<u>100%</u>	<u>100</u>	<u>)%</u>	<u>100%</u>	N/A	<u>100%</u>		<u>75%</u>	



Credentialing Form

Filed automatically from *our* IT every 4-6 months

✤ Available to public as in the internet

Ongoing Professional Practice Evaluation Department of Anesthesiology

12/1/2012 - 7/31/2013

General Volumes

Area	Volume
AIP	352
AOP	1
Other	73
ICU	0

Case Quality Assessment Participation

Number of Cases	Participation				
76	68%				
Goal = 100% Participation					

Specialty Specific Indicators

	Cases	Performance
Timely Administration of S	urgical Antibiotic Proph	ylaxis
Attending (Supervisory) Individual Performance	339	97.6%
Attending (Supervisory) Group Performance		96±5%
Attending (In Room) Individual Performance	4	100%
Attending (In Room) Group Performance		90±23%
Overall Goal		85%
Perioperative	e Normothermia	
Attending (Supervisory) Individual Performance	291	97.7%
Attending (Supervisory) Group Performance		98±3%
Attending (In Room) Individual Performance	3	100%
Attending (In Room) Group Performance		99±3%
Overall Goal		85%
Ultrasound Use for Internal Jugula	ar Central Venous Cathet	ter Placement
Attending (Supervisory) Individual Performance	10	100%
Attending (Supervisory) Group Performance		93±20%
Attending (In Room) Individual Performance	0	N/A
Attending (In Room) Group Performance		69±18%
Overall Goal		85%
2 SD Below Group Below Goal		

Specialty Specific Indicators

Added stress but not better performance

Final Act—Be CMS and Pay people

AA/CRNA-- Monthly Incentive May 2014

- Payout is based on total \$\$ available for month/# of CRNA/AA FTE.
- ✤ Your payment based FTE

Criteria

- I. ELIGIBLE--100% Antibiotic charting
- II. 50% PAYOUT if
 - I. **80%** of *AIP Goal for On-Time* AND 80% of AOP Goal for On-Time

III. Full Payout if

I. 90% of *AIP Goal for On-Time* AND 90% of Goal for On-Time

The 65% & 70% are UCH Goals for On-Time Starts

Effect—better charting but different care?

CRNA's & AA's									
Individual	Preop ABX	PONV Multimodal Therapy Normotherm		nothermia U/S use for IJ CVC NDI		QI Data Entry			
All	97±9%	77±25%	94±19%	100±0%	75±37%	11±19%			
	<u>100%</u>	<u>100%</u>	<u>100%</u>	N/A	<u>100%</u>	<u>16.67%</u>			

THIS IS ABOUT AN IMAGE NOT AN OUTCOME

N/A	N/A	N/A	N/A	N/A	N/A
<u>100%</u>	<u>100%</u>	<u>100%</u>	N/A	<u>75%</u>	<u>0%</u>
<u>100%</u>	<u>84.62%</u>	<u>100%</u>	<u>100%</u>	<u>83.33%</u>	<u>0%</u>
<u>100%</u>	<u>100%</u>	<u>100%</u>	N/A	<u>100%</u>	<u>0%</u>
<u>100%</u>	<u>66.67%</u>	<u>100%</u>	N/A	<u>100%</u>	<u>0%</u>
N/A	N/A	N/A	N/A	N/A	N/A
<u>100%</u>	<u>80%</u>	<u>100%</u>	N/A	<u>100%</u>	<u>0%</u>
<u>80%</u>	<u>100%</u>	<u>100%</u>	N/A	<u>60%</u>	<u>50%</u>
N/A	N/A	N/A	N/A	N/A	N/A
100%	83 33%	100%	N/A	<u>** 0%</u>	0%

The TRAP



Why does it matter?



Home > Hospitals > University of Colorado Hospital

University of Colorado Hospital

Overview	
Rankings	
Stats & Services	
Doctors	
Photos	
	BEST Nationally Ranked Hospital
	BEST Ranked #1 in Colorado
	BEST Ranked #1 in Denver metro area

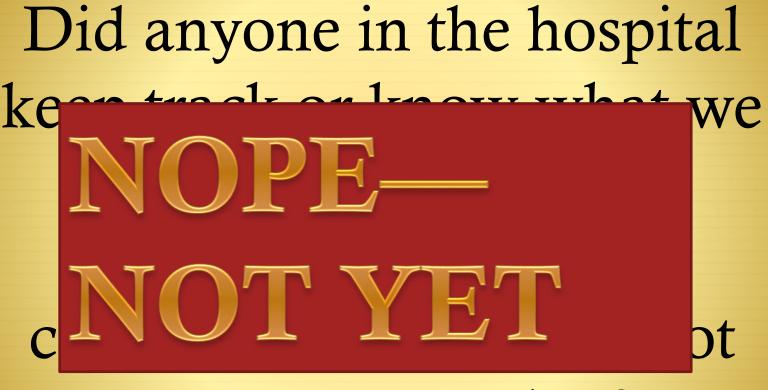
MONEY FAME MONEY PRESTIGE MONEY MORE FAME MONEY LOWER BILLS LOWER COSTS FAME

CAN WE TELL IF THIS MATTERS?

CLABSI Rates - Neonatal Critical Care Unit: August 2012 - July 2013					nt Safety Detail				
Hospital	City	CLABSI Rate	National Comparison		Bloodstream Infection (Sepsis Post Surg	ery) - 2013		»∨ie	
Avista Adventist Hospital	Louisville	0	SAME		Hospital	Safety Rating	Cases	Complications	
Childrens Hospital Colorado	Aurora	1.1	SAME		Castle Rock Adventist Hospital	TOO FEW CASES	18	o	
Denver Health	Denver	o	SAME		Denver Health		211	4	
Littleton Adventist Hospital					1		346	6	
Lutheran Medical Center			ND				190	1	
Memorial Hospital Central		\cup	ľ		/		243	4	
Parker Adventist Hospital							129	1	
Penrose-St. Francis Health Se				_			40	0	
Poudre Valley Hospital							237	5	
Presbyterian/St. Lukes Medic					Y H,	237	5		
Rose Medical Center	-	\smile		=			559	6	
Saint Joseph Hospital	Denver	0	SAME				588	5	
Sky Ridge Medical Center	Lone Tree	0	SAME		Rose Medical Center	AVERAGE	272	2	
St. Marys Hospital & Center, Inc.	Grand Junction	2.4	SAME		Saint Joseph Hospital	AVERAGE	1,071	8	
Swedish Medical Center	Englewood	o	SAME		Sky Ridge Medical Center	AVERAGE	614	6	
The Medical Center of Aurora	Aurora	0	SAME		St. Anthony Hospital	AVERAGE	410	6	
University of Colorado Hospital	Aurora	4.5	SAME		St. Anthony North Hospital	AVERAGE	63	0	

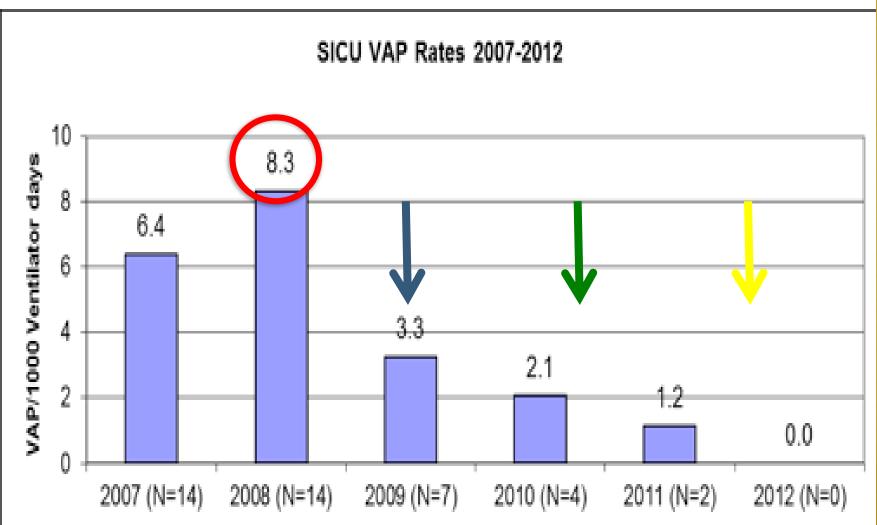
HOW ABOUT CLOSER TO HOME? *THE QUEST* Did our efforts work?

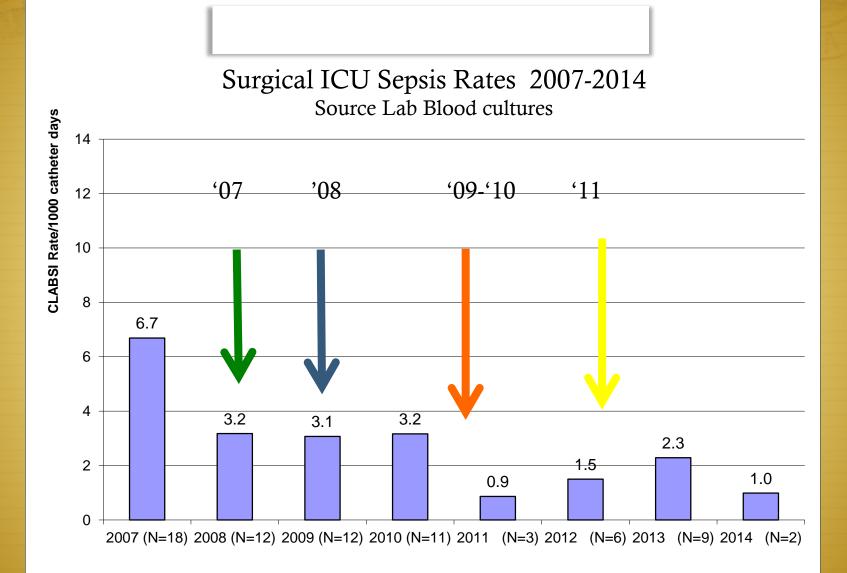
Our process measure	Outcome
Reversing muscle relaxant	Postoperative intubations (we will have the number
	of surgeries)
	Post op Pneumonia or sepsis
Nausea and Vomiting Prophlaxis	Nursing postoperative phone follow up Yes for
NOPE—No one in the hospital follows this but it is recorded on every	
patient (since 2010).	
We can know what works	
It matters to us	
Antibiotic duministration	Joi rate, Jepsis
Temperature 36 ⁰ C arrival in PACU or ICU	SSI rate, pneumonia diagnosis
Central line infection	Central line infection, sepsis,
Hyperglycemia	SSI, pneumonia, sepsis
	Rate of hospital goal compliance (I know this exists since I have seen it)



everyone together?

Ventilator Associated Pneumonia



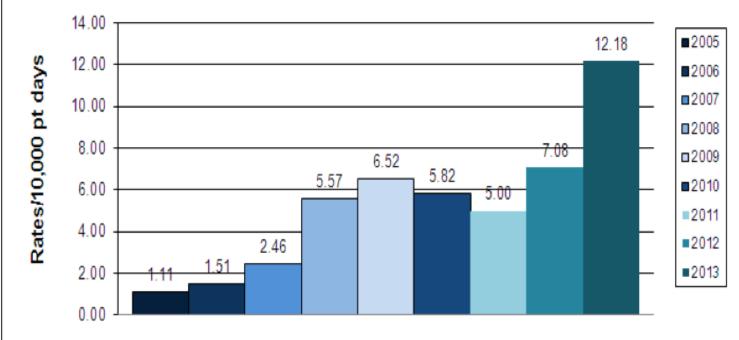


What else?

2	2007	2008	2009	2010	2011	2012	2013	2014	2015
			atb, temp			PONV, public report		quality reporting	
Central line									
infectionSICU	4	7.8	2.65	3.07	3.2	0.9	1.5	2.3	1
Benchmark									
Central line	2.7	2.7	2.3		2.3	2.3	2.3	1.2	1.1
Pneumonia	5.2	6.4	6.4	3.3	2.1	1.2	0	0	
Benchmark									
Pneumonia	5.2	5.2	5.3	4.9	4.9	4.9	4.9		
Sepsis ICU									
SSI-colon							1.27	2.22	
Benchmark ssi									
colon							7.06	7.06	
SSI joint			4	2.33	0.73	2.47	4.08	1.6	
Benchmark Joint			1.82	0.99	0.99	0.99	0.58	0.99	
SSI Abdominal									
Hysterectomy				2.38	4.49	2.38	0.75	0.99	
				2.2	2.2	2.2	2.2	4.05	

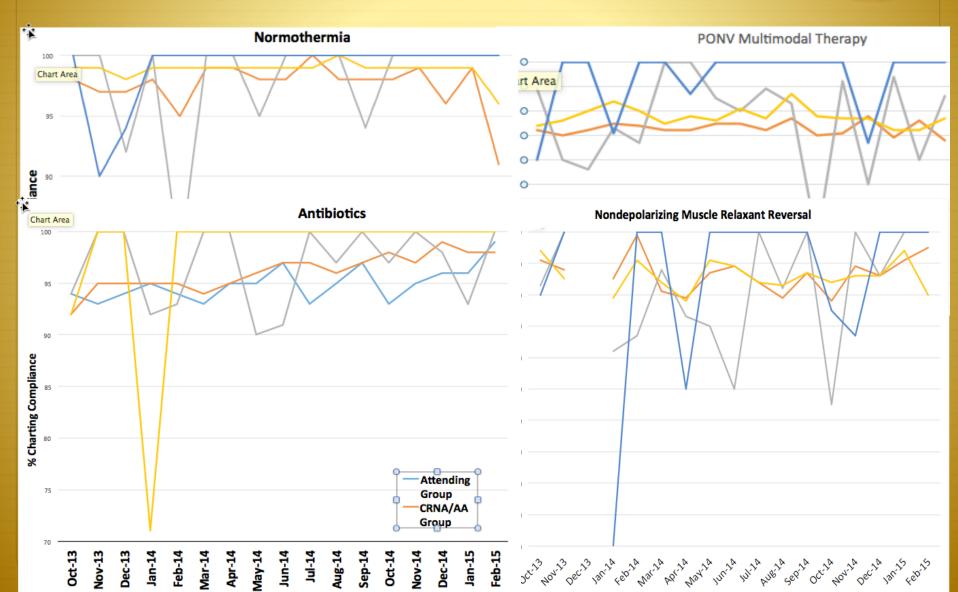
Sometimes things just get worse

C. difficile Rates per Calendar Year



Year

Random numbers?



Dr. Leape again--

The best way to get change
is to make it personal—
your patient,
your friend,
your family



Central line—No infections from OR for 18 months

✤ NDMR-REVERSAL

- Re--intubations in PACU 3/week to 6/year
- Pneumonia rate down 50%
- ✤ PONV
 - Subjective—much lower N & V
 - Preemptive treatment much more likely (eg. Propofol infusion)
- ✤ Ventilation changes
 - No real measure but rate of unexpected admit to ICU in OSA patients lower than non OSA patients.

Conclusion from all this

The final step toward success

Pragmatic Collaboration

We need to recognize the trap (fallacy) that recording numbers is fraught with human error

Actions

Doing deeds is a celebration of success and uses numbers as the reminder

Nothing is 100% or 0%--Surgery causes injury. Actions that contribute to reducing injury matters

Reality – Consolidate your gains

Finally Finally Finally

Plan your outcome goal first! and measure it yourself *Maintain enthusiasm by seeing success in your patients*

Recommended Reading

JAMA Volume 313(5) 2015

Hospital Readmissions Following Surgery Turning Complications Into "Treasures" Lucian L. Leape, MD p 467

Underlying Reasons Associated With Hospital Readmission Following Surgery in the United States RP Merkow. KY Bilimoria p. 483

National Hospital Ratings Systems Share Few Common Scores And May Generate Confusion Instead Of Clarity JM Austin.....PJ Pronovost http://content.healthaffairs.org/content/34/3/423.full.html



Pick an outcome then an agent of change





Weekly report from IT 2015

Attending (Supervisory)										
	Individual	Preo	o ABX	PONV Multimodal Therapy	Normothermia	U/S use for IJ CVC	NDMR	QI Data Entry		
	All	97±5%		75±20%	97±8%	100±0%	88±19%	73±20%		
			<u>0%</u>	<u>55.56%</u>	<u>100%</u>	<u>100%</u>	<u>100%</u>	<u>54.55%</u>		
L	,	<u>97.</u>	<u>67%</u>	<u>88.89%</u>	<u>100%</u>	N/A	<u>100%</u>	<u>91.3%</u>		
Attendings (In Room)										
	Individual		p ABX	PONV Multimodal Therap	y Normothermi	a U/S use for IJ CV	C NDMR	QI Data Entry		
	All)±0%	50±71%	100±0%	0±0%	100±NaN%	5 75±50%		
			I/A	N/A	N/A	N/A	N/A	N/A		
			I/A	N/A	N/A	N/A N/A		N/A		
CRI	CRNA's & AA's									
5	Individual F	Preop A	BX PC	ONV Multimodal Therapy N	Normothermia l	J/S use for IJ CVC	NDMR	QI Data Entry		
	All	97±79	6	74±30%	98±7%	0±0%	85±24%	78±29%		
		<u>100%</u>		<u>66.67%</u>	<u>100%</u>	N/A	<u>100%</u>	<u>100%</u>		
Re	Residents									
	Individual		p ABX	PONV Multimodal Therap	y Normotherm	ia U/S use for IJ CV	C NDMR	QI Data Entry		
	All	97	′±7%	66±31%	91±24%	100±0%	93±9%	71±38%		
			<u>.89%</u>	<u>12.5%</u>	<u>85.71%</u>	<u>100%</u>	<u>100%</u>	<u>85.71%</u>		
			00%	<u>85.71%</u>	<u>100%</u>	N/A	<u>83.33%</u>	<u>100%</u>		
			00%	77.78%	<u>100%</u>	<u>100%</u>	<u>85.71%</u>	<u>88.89%</u>		
			001/	100%	1001/	N1/A	02.22%	100%		

What it looks like at 3 weeks

<u>v</u>	Group	Preop AB)	PONV I	Multimodal	Therapy N	Normothermia	U/S use for IJ C	/C ND	MR	QI Data	Entry
Atten	ding (Supervisory)	92±17%	75±25%			98±4%	96±11%	73±	27%	83±17	7%
Atte	nding (In Room)	77±41%	91±19%			96±14%	0±0%	62±	52%	64±50)%
	CRNA/AA			78±28%		99±4%	0±0%	71±	35%	92±17	7%
	Resident	87±23%	61±35%			93±21%	89±33%	66±	42%	59±40)%
	AIP	92.34	78.6			97.58	85.71	76	92	86.4	5
	AOP 96.86		90.24			100	N/A	62	79	86.16	
	Other 96.23		63.49			96.43	N/A	70		79.5	5
	ndividual		reop ABX	PONV Multim	odal Therap	y Normothermia	U/S use for IJ CVC	NDMR	QII	Data Entry	
	All		92±17%	6 75±25%		98±4%	96±11%	73±27%	5 8	83±17%	
			<u>100%</u>	<u>50</u>	<u>)%</u>	<u>100%</u>	<u>100%</u>	<u>100%</u>	.00% 100%		
			<u>100%</u>	<u>10</u>	<u>0%</u>	<u>100%</u>	N/A	<u>66.67%</u>	<u>6.67%</u> <u>62.5%</u>		
			<u>94.74%</u>	<u>10</u>	<u>0%</u>	<u>100%</u>	<u>100%</u>	<u>100%</u>		<u>93.75%</u>	
			<u>91.67%</u>	<u>% 100%</u>		<u>** 88.89% **</u>	<u>100%</u>	<u>42.86%</u>		<u>77.78%</u>	
			<u>100%</u>	<u>100%</u>		<u>100%</u>	N/A	<u>100%</u>		<u>80%</u>	
			<u>66.67%</u>	<u>10</u>	<u>0%</u>	<u>100%</u>	N/A	<u>33.33%</u>		<u>100%</u>	
			<u>100%</u>	<u>10</u>	<u>0%</u>	<u>100%</u>	N/A	N/A		<u>66.67%</u>	
			<u>100%</u>	<u>76.</u>	<u>92%</u>	<u>100%</u>	N/A	<u>100%</u>		<u>63.64%</u>	_
			<u>75%</u>	<u>33.</u>	<u>33%</u>	<u>100%</u>	N/A	<u>75%</u>		<u>57.14%</u>	
			<u>94.12%</u>	<u>72.3</u>	<u>22%</u>	<u>92.86%</u>	N/A	<u>83.33%</u>		<u>92.86%</u>	
			<u>100%</u>	75	<u>5%</u>	<u>100%</u>	N/A	<u>85.71%</u>		<u>95%</u>	
		A	<u>100%</u>	<u>90</u>	<u>)%</u>	<u>100%</u>	N/A	<u>54.55%</u>		<u>100%</u>	
			<u>95.83%</u>	<u>86.</u>	<u>36%</u>	<u>100%</u>	N/A	<u>100%</u>		<u>69.57%</u>	
			<u>100%</u>	<u>10</u>	<u>0%</u>	<u>100%</u>	N/A	<u>100%</u>		<u>75%</u>	