

March 10, 2015

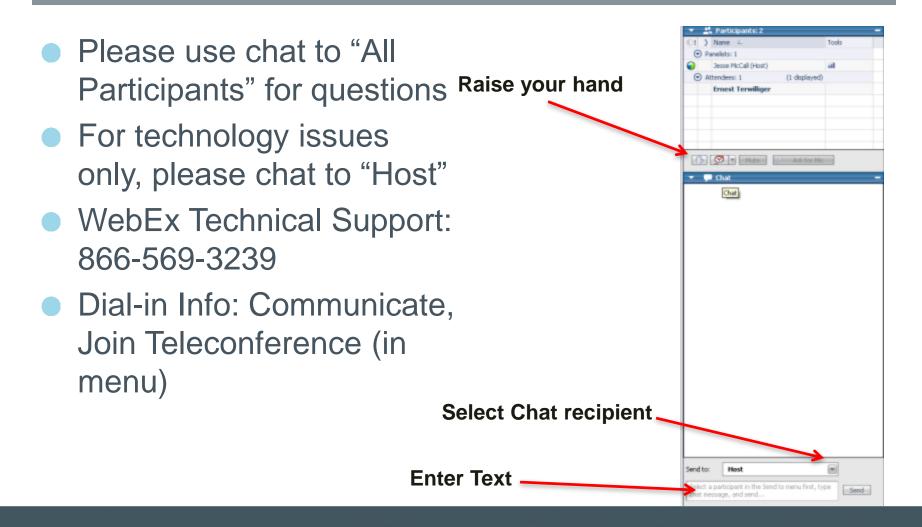
12:00 PM ET

Informational Call

A Learning Community to Measure and Improve Outcomes for Joint Replacement

Welcome!

WebEx Quick Reference



When Chatting...

Please send your messages to All Participants

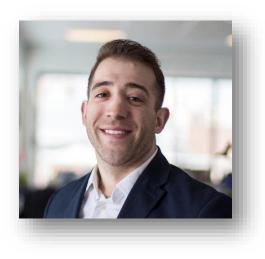
	Host			
	Presenter			
	Host & Presenter			
	Host, Presenter & Panelists			
	All Participants			
	All Panelists	Send	-	
	All Attendees	Jena		
Send to:	All Participants 🔹			

Please type your name and the organization you represent in the chat box.

Example: Doug Jones, Midwest Health System

Today's Hosts





Leigh Carroll Project Coordinator

Jill Duncan, RN, MS, MPH Executive Director

Mike Barbati, MHA Faculty – Advocate Health Care





Welcome & Introductions Program Overview: Joint Replacement Learning Community Questions Next Steps





Why focus on improving value in total joint replacement surgery?





On average, how many primary hip and knee replacements does your organization perform annually?

Please send your messages to All Participants



ROI Calculator

Return on Investment (ROI) Calculator for the Joint Replacement Learning Community

Enter number of hip and knee replacements done per year:

Cost per replacement for your hospital:

Percentage of expected savings (please note: IHI's Joint Replacement Learning Community's goal is to reduce cost per procedure by at least 5%):

Subtract \$24,500 (the cost of participating in IHI's Joint Replacement Learning Community):

\$24,500

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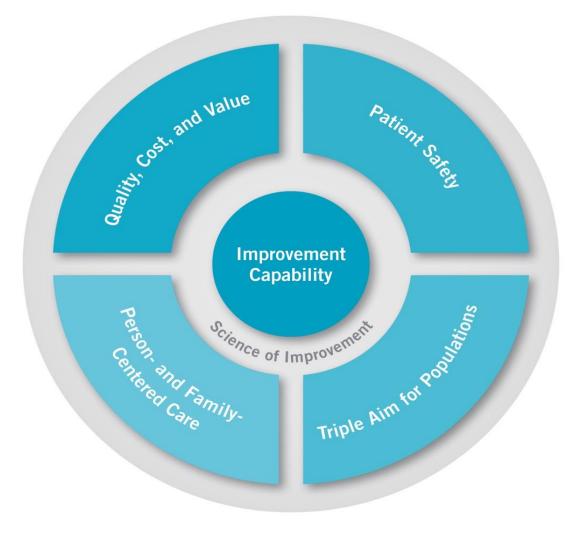
Calculate

Our vision: Everyone has the best care and health possible.

Our mission: Improve health and health care worldwide.

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IHI's Work: Five Key Areas

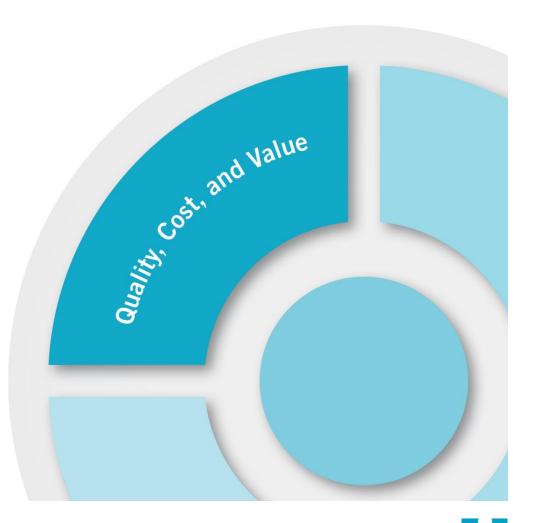


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Quality, Cost, and Value

Our Goal:

Encourage, empower, and enable health care delivery systems to provide truly value-based care that ensures the best health care We strive to call out and address disparities in health and health care wherever they exist.





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Design a care cycle for hip and knee replacements that improves patient value by reducing 5% dollar costs in surgery (acute care) while maintaining or improving health outcomes.



IHI Team



Kathy Luther, RN, MPM Vice President



Jill Duncan, RN, MS, MPH Director



Kevin Little, PhD Improvement Advisor



Kayla DeVincentis, CHES Project Manager



Leigh Carroll Project Coordinator



Faculty Advisors



Kevin Bozic, MD, MBA Orthopedic Surgeon



Tony DiGioia, MD Orthopedic Surgeon



Steve Schutzer, MD Orthopedic Surgeon



Lucy Savitz, PhD, MBA Intermountain Healthcare

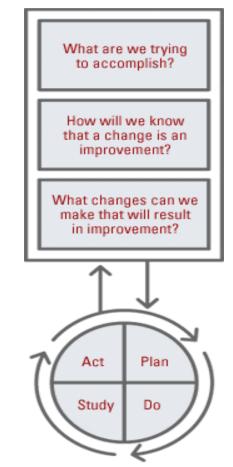


Mike Barbati, MHA Advocate Health Care



Process Improvement

- Identify high-value practices: lowest cost, best outcome
- Establish aims and associated measures based on your data
- Identify change opportunities and lead organization specific process improvements
- Learn from variation within each organization and within the community
- Prepare for the bundled payment system



Program Components

Determine the total cost of care

- Define care segment
- Shadow and create process maps
- Determine cost and time for specific segments of care

Generate improvements to increase value

- Benchmark cost & outcomes data
- Define Aims & create Charters for specific improvement initiatives

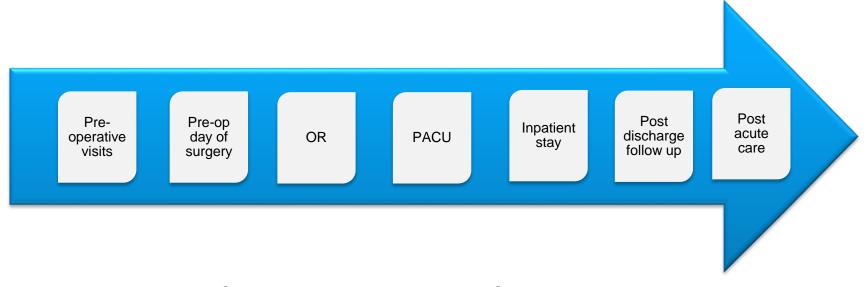
Improve care processes across the care cycle

- Length of stay
- Discharge to home
- OR efficiency
- Consumables
- Patient Reported Measures

Re-measure costs & outcomes

 Aim: improve patient value by reducing 5% dollar costs while maintaining or improving health outcomes.

JRLC Care Cycle



30 days pre-op; 90-days post-op Primary total knee and hip replacements DRG: 470

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Program Activities

Month	May 15	June	ylul	Aug	Sept	Oct	Nov	Dec	Jan '16	Feb	Mar	Apr	May	June
Pre-work data collection	\checkmark													
Launch webinar	\checkmark													
Virtual learning session														\checkmark
In-person learning sessions	\checkmark				\checkmark									\checkmark
Map care processes & collect cost data	\checkmark	\checkmark	\checkmark	\checkmark										
Monthly webinars	\checkmark													
Monthly outcomes data / improvement progress report	√	~	\checkmark	\checkmark	~	~	~	\checkmark	~	~	\checkmark	\checkmark	~	
Physician advisor webinars			\checkmark					\checkmark						\checkmark
Collect & synthesize end of program cost/outcomes data												~	~	~



Letters of intent will be accepted on a rolling basis through April 10, 2015

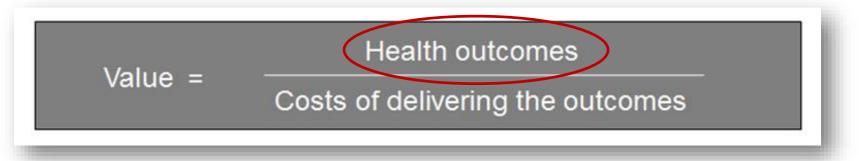
Improving Value

Value = Health outcomes Costs of delivering the outcomes						
Value Table	Health outcomes					
Cost of Delivering the Outcomes	Decrease	Stay the Same	Improve			
Increases	decrease in value	decrease in value	?			
Stays the Same	decrease in value	no change in value	Increase in value			
Decreases	?	Increase in value	Increase in value			

"The lack of a reduction in disparities in either usage or outcomes [for TJR] over an 18-year period is sobering."

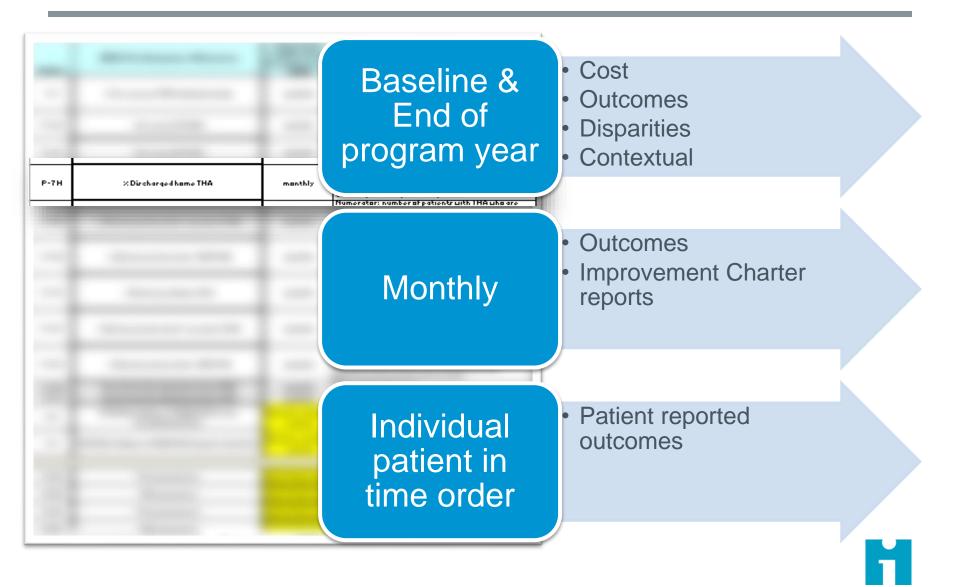
- Jasvinder A Singh & colleagues

Measures of pain and function are critical components of the health outcomes numerator



Patient Reported Measures give the patient's assessment of outcomes like pain and function; we combine these with traditional clinical data.

Data & Measures



Participant Criteria

- At least 200 primary total joint replacement procedures per year
- Senior-level commitment
- Staff the requisite project team
- Commit to send the core team to the two inperson and one virtual meeting; Project Leader to summative (3rd) in-person meeting

Suggested Project Team

Team member	Responsibility	Estimated Time (hours/week)
Physician Advisor	Project champion; Provides clinical input and champions the project amongst other clinicians	1 – 2
Project Leader	Coordinates the project and is primary point of contact with the learning collaborative; link to Senior Leadership	10-12
Clinical Operations / Performance Improvement Leader	Driving day-to-day work of the project team; leads process mapping and drives performance improvement testing as well as data sharing	3-5
Financial Analyst	Provides cost data; access to accounting and payroll systems	5-10

Commitments from IHI

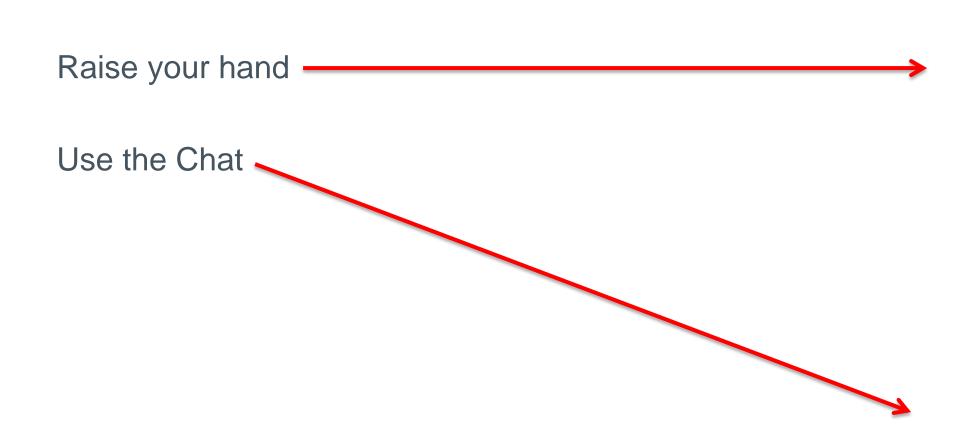
Better understand and utilize data to drive value

Calculate and define the cost of a hip or	Foster new partnerships between finance, quality, and frontline teams						
knee replacement across a care cycle	Understanding the current state through collaborative shadowing and process map	Integrate patient reported measures					
Address health disparities data		Develop an infrastructure for	Accelerate results				
Collect and utilize patient reported measures Benchmark clinical outcomes across the care cycle	development Develop common language to accelerate improving value within each local context Engage frontline teams in testing, driving, and spreading clinical improvement	building will and integrating PRM's into local systems Leverage large data	Virtual and in-person meetings Monthly webinars Monthly outcome improvement summaries Coaching from expert faculty Listserv Physician Advisor Calls Bi-annual Leadership				

Expectations of Teams

- Join the Project Team virtual kick-off meeting
 - May 7, 2015 2:00 3:30 PM ET via WebEx
- Attend 3 Project Team in-person meetings
 - 1st meeting: Saturday, May 30th Capitol Hilton Hotel, Washington, DC
 - 2nd meeting: September 2015 Cambridge, MA
 - 3rd meeting: June 2015 Cambridge, MA
- Participate in monthly webinars
- Participate in coaching calls as needed
- Submit baseline, monthly, and end-of-program data

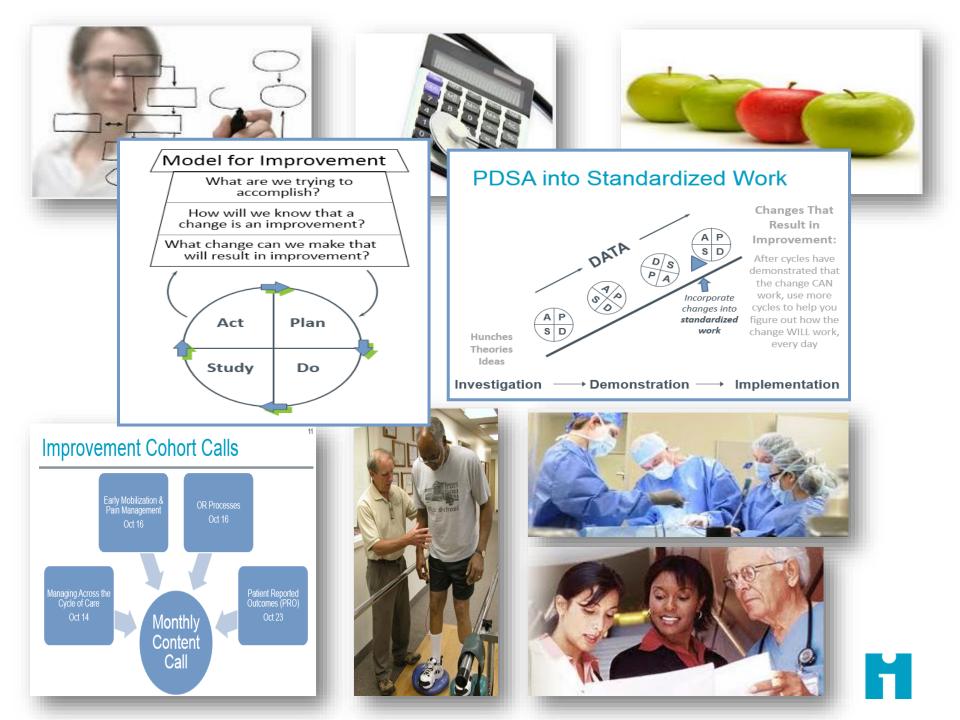
Questions?

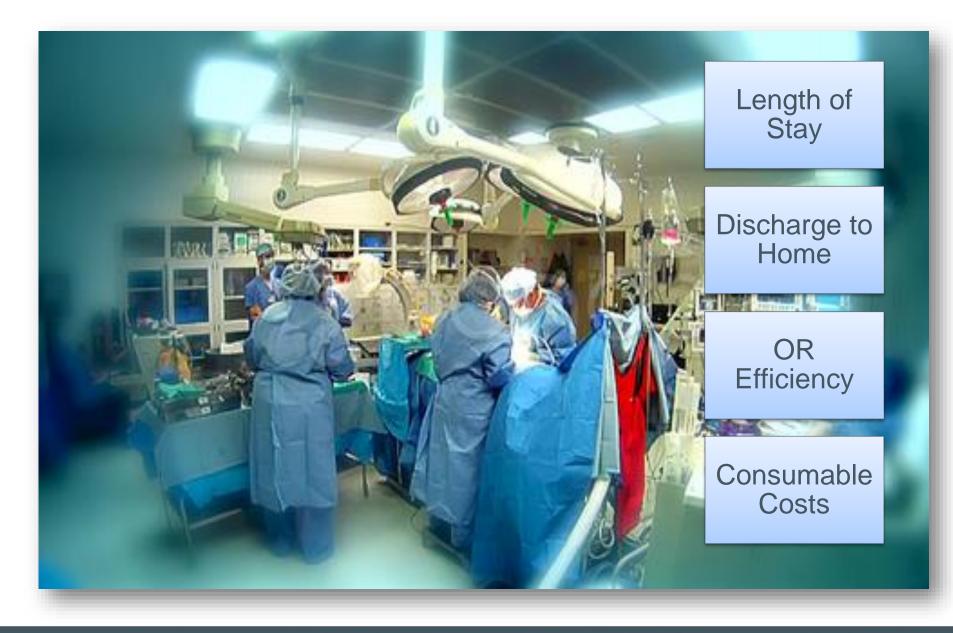


Learning from Leaders: JRLC Year 1

Joint Replacement

Adventist Medical Center	Hospital Alvorada, Brazil	Providence Alaska Medical Center		
Advocate Health Care	Hvidovre Hospital, University of Copenhagen	Providence Sacred Heart Medical Center		
Central Dupage Hospital of Cadence Health	Jewish General Hospital, Montreal	Regional Hospital of Scranton		
Connecticut Joint Replacement Institute	Johns Hopkins Bayview Medical Center	Sierra Medical Center		
Delnor Hospital of Cadence Health	Kadlec Regional Medical Center	Straub Clinic and Hospital		
Evergreen Health	Montefiore Medical Center	UMass Memorial Medical Center		
Franciscan St. Francis Health - Mooresville	Moses Taylor Hospital of Scranton	University of California, San Francisco		
Gundersen Health System	Northside Hospital Forsyth	University of Pittsburgh Medical Center (UPMC)		
Hackensack University Medical Center	Northwestern Memorial Hospital	Wake Forest Baptist Medical Center		
Henry Ford Physician Network from Henry Ford Health System	Orlando Regional Medical Center	Western Connecticut Health Network - Danbury Hospital		
Hoag Orthopedic Institute	Palmetto Health			



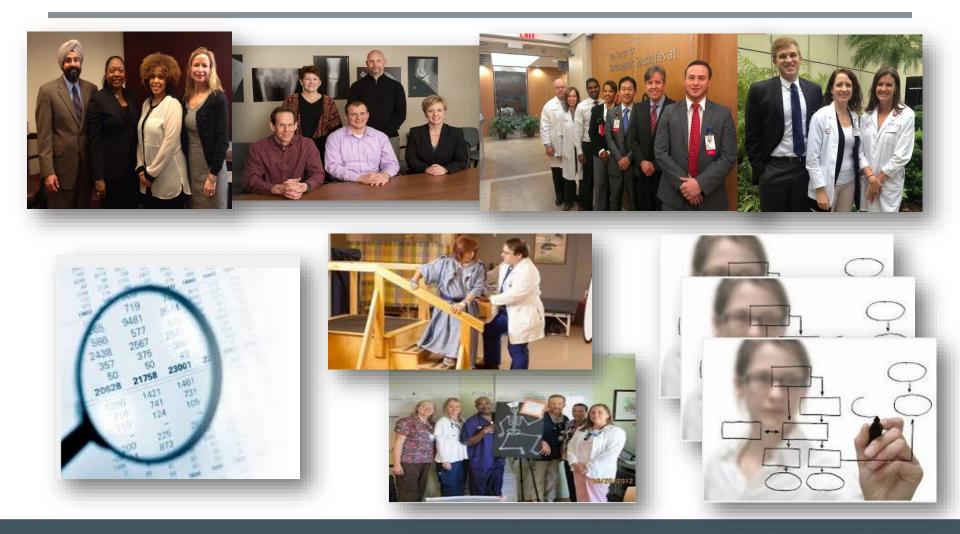




Estimated savings \$793.80 per case, i.e. reducing OR by 10% which is 15 minutes OR charge per minute is \$48.16 (times 15 minutes = \$722.40, Anesthesia charge per minute is \$4.76 (times 15 minutes = \$71.40). Actual cost savings of \$952.00 per patient in cement charges.

LOS- \$39,582 Discharge Disposition-\$114,126 Consumables- \$50,342 LOS \downarrow by .4 days from baseline D/C to home \uparrow by 10% for THR and 17% for TKR Readmissions \downarrow by 1.1% for TKR and .6% for THR Based on LOS, d/c disposition changes, and readmission data, costs \downarrow by 16% for TKR and 14% for THR

Lessons Learned



Testimonial

"Our journey with the Joint Replacement Learning Community has really been beneficial to the work we are doing in Clinical Effectiveness. It has helped us become more process-oriented, organized, and methodical in our approach to joint surgery and other projects. We are very excited about taking this to the system level and sharing the improved practice habits and efficiencies more globally."

Debra A. O'Connor, DO Vice President of Clinical Effectiveness Advocate Health Care "The Joint Replacement Learning Community pushed us. Patient Reported Outcomes would have been on the back burner. IHI really helped make us move faster and surgeons are really excited about the information they will be getting."

Marcie Cobelli, NP

Orthopedic Surgery Montefiore Medical Center

Testimonial

"Over the last 11 months, I think that the proudest moment that I've had is when we sat down and compared our results, the metrics that we were looking at specifically with length of stay and discharge disposition. Those two probably being the biggest impact and seeing the huge overall cost reduction for our organization. There was a time during this project that I thought that there was no way that we would hit our targets and then to see the fruit of everyone's work knowing that it's not my project. It's not the clinical lead. It's not the finance guy. It's not their project. It's the team's project. It is that front line team that's out there making the difference and I'm very, very proud of that front line team and knowing that this model can be used for so many different things is truly outstanding."

Summer Bragg, MS, PT

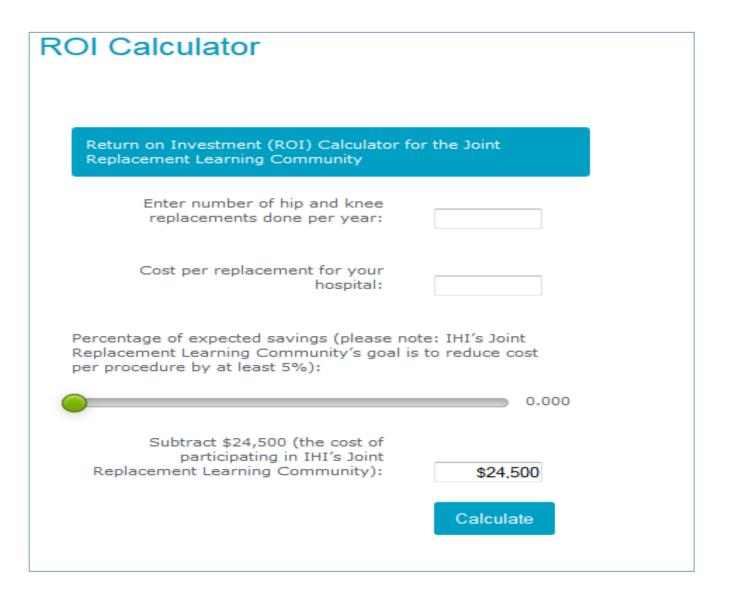
Rehabilitation Manager, Orlando Health

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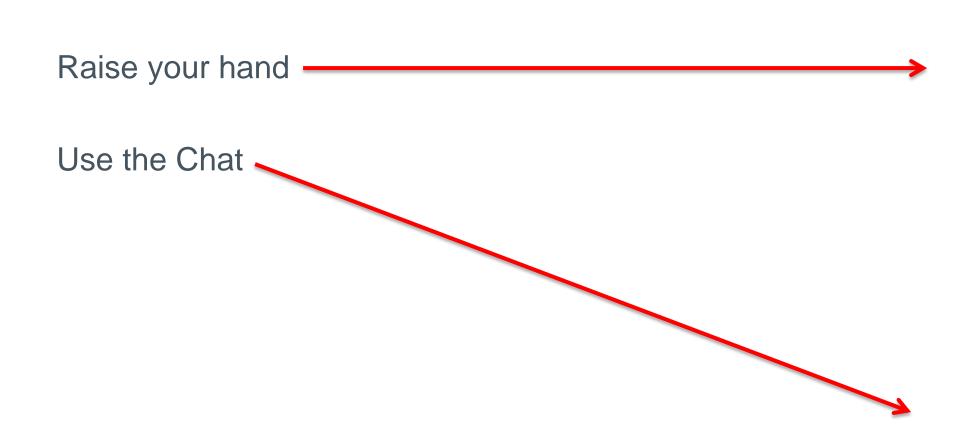
Accelerating learning Accelerating improvement Accelerating change

Letters of intent will be accepted on a rolling basis through April 10, 2015



Participation Fee: \$24,500

Questions?





Visit the website at <u>www.IHI.org/JRLC</u>

Submit the *Letter of Intent* to Leigh Carroll at <u>lcarroll@ihi.org</u> by April 10, 2015

Collaboratives Joint Replacement

Thank you!

Visit the website at <u>www.IHI.org/JRLC</u>