

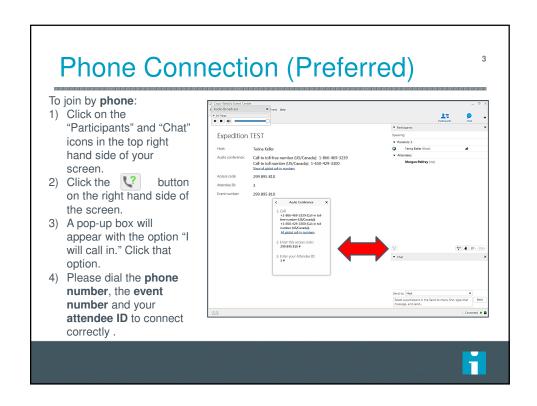
# Today's Host

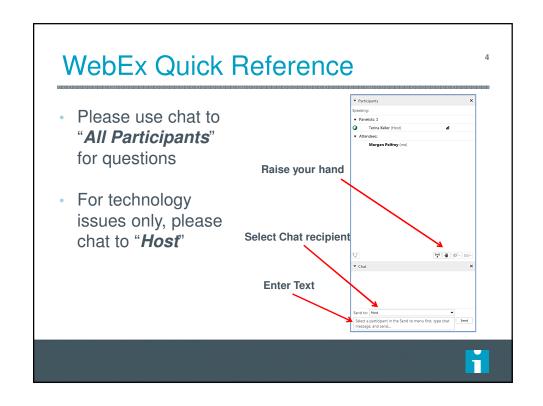


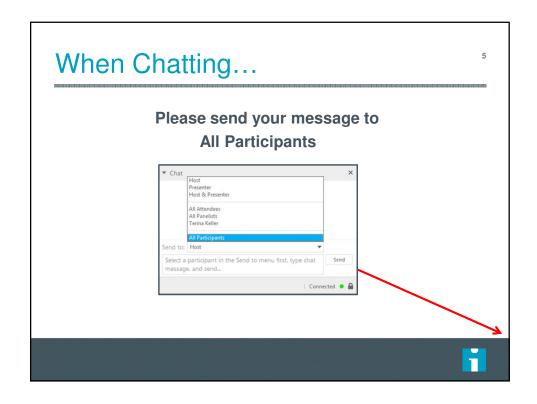


Akiera Gilbert is a Project Assistant at the Institute for Healthcare Improvement. She is primarily responsible for the Passport membership, and is involved in the facilitation of Expeditions. Her work also delves into the Conversation Ready Project within Patient and Family-Centered Care, as well as the Primary Care Collaborative. Akiera is a second-year student at Northeastern University, and is on her first co-op at IHI. She is pursuing a Bachelor of Science in Human Services (concentrating in Public Health) and a minor in Social Entrepreneurship.









# Today's Faculty





Kathy Duncan, RN, Faculty, IHI, co-leads IHI's National Learning Network. Ms. Duncan also directs IHI Expeditions, manages IHI's work in rural settings, and provides spread expertise to Project JOINTS. Previously, she co-led the 5 Million Lives Campaign National Field Team and was faculty for the Improving Outcomes for High Risk and Critically III Patients Innovation Community. She also served as the content lead for the Campaign's Prevention of Pressure Ulcers and Deployment of Rapid Response Teams areas. She is a member of the Scientific Advisory Board for the AHA NRCPR, NQF's Coordination of Care Advisory Panel, and NDNQI's Pressure Ulcer Advisory Committee. Prior to joining IHI, Ms. Duncan led initiatives to decrease ICU mortality and morbidity as the director of critical care for a large community hospital.



# Today's Agenda

- Welcome & Introductions
- Session 2 Evaluation Survey
- Session 2 Action Period Assignment Review
- Practice Improvement Essentials
- The Joel Green Case Study
- Action Period Assignment
- Closing & Next Steps



#### **Note: Listserv Communications**

- Great discussion through our listserv, <u>LQI2015@ls.ihi.org</u>, over the past two weeks!
- Our listserv is used for:
  - Session communications: pre-work, connection information, session recordings
  - Discussion and post-session assignments
- If you'd like to be re-added or change your subscription to a daily digest, email us at <a href="mailto:info@ihi.org">info@ihi.org</a>



#### Thank You!

- 30 folks completed our post-session survey
- Most all of the comments were positive!
- A couple of suggestions:
  - Consider a non-hospital case study
  - Mixed reaction to break out sessions
  - Small response to Allied Health Professions Manager session
- Allied Health Managers to join Clinical Managers group beginning session 4



#### Schedule of Sessions

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**Session 1 –** Coach Versus Command **Date:** Tuesday, February 17, 12:00 – 1:00 PM ET

Session 2 – Understand and Manage Systems Date: Tuesday, March 3, 12:00 – 3:00 PM ET\*

Session 3 – Practice Improvement Essentials Date: Tuesday, March 17, 12:00 – 1:00 PM ET

**Session 4** – Build Sustainable Systems

Date: Tuesday, March 31, 12:00 - 2:00 PM ET\*

**Session 5** – Manage Connections Across Systems **Date:** Tuesday, April 14, 12:00 – 1:00 PM ET

\*Breakout session: Clinical Managers 12:00-1:00 PM ET Quality Improvement Managers 1:00-2:00 PM ET



#### Schedule of Sessions

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**Session 6** – Identify and Spread Successful Improvements **Date:** Tuesday, April 28, 12:00 – 2:00 PM ET\*

**Session 7** – Partner with Patients and Families **Date:** Tuesday, May 5, 12:00 – 1:00 PM ET

Session 8 – Create a Culture of Safety

**Date:** Tuesday, May 19, 12:00 – 2:00 PM ET\*

Session 9 – Empower Teams to Engage in Improvement

**Date:** Tuesday, June 9, 12:00 – 1:00 PM ET

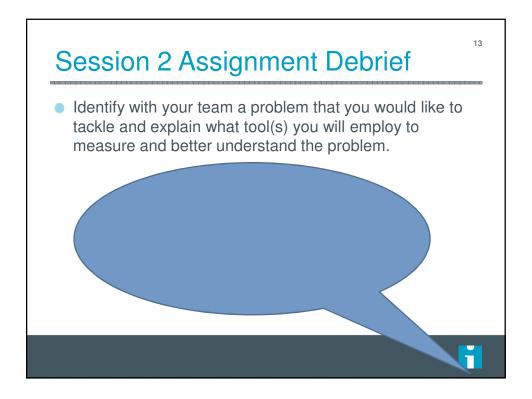
Breakout session: Clinical Managers 12:00-1:00 PM ET Quality Improvement Managers 1:00-2:00 PM ET



### Session 2 Take-aways

- 1. To develop systems thinking
- 2. To learn to see problems
- 3. To learn tools for identifying and illustrating problems
- 4. To think through problems systematically
- Breakout sessions debrief





# Session 2 Listserv Highlights

- Faith Infante Sheikh Khalifa Medical City, United Arab Emirates
- Improvement Focus: Operation of Anesthesia Gas Scavenging System During Surgery
- Set a meeting with WAG champions -50% compliance with turning off the AGSS (Anesthesia gas scavenging system)
- Developed an A3 with action plans
  - 1) Education/awareness session for the staff
  - 2) Inclusion of AGSS check during huddle for first cases
  - 3) Measure compliance using an audit tool



#### Today's Faculty

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Jill Duncan, RN, MS, MPH, Executive Director, provides strategic development and programming leadership for IHI's cost, quality and value work; leadership of IHI's Joint Replacement Learning Community; program coordination and faculty leadership for IHI's Leading Quality Improvement: Essentials for Managers, and program development and facilitation intended for many of IHI's Expeditions, Web & Actions, and other work force development initiatives. Past responsibilities include daily operations and strategic planning for IHI's Open School for Health Professions followed by development and leadership of Impacting Cost + Quality, a two-year prototyping collaborative. Jill joined IHI in 2008. Jill draws from her learning as a Clinical Nurse Specialist, quality leader, pediatric nurse educator, and front line nurse. Her clinical interests have developed through experiences in a variety of settings including Neonatal ICU, pediatric ER, clinical research, public health activism, and Early Head Start health programming.



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# Session 3 Practice Improvement Essentials

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# Today's Objectives

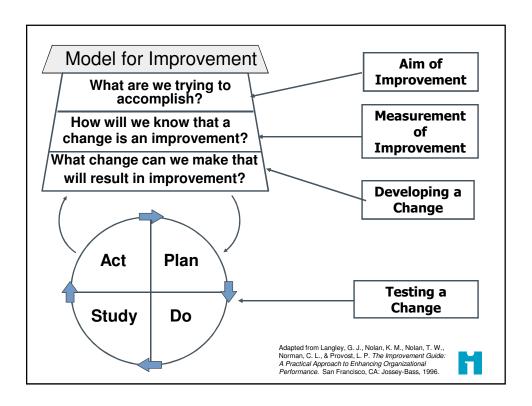
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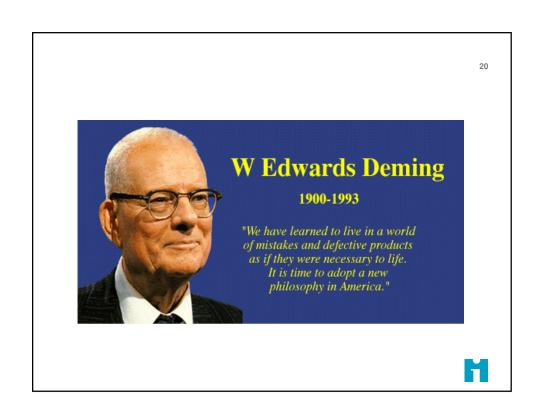
- I. To apply the framework provided by the Model for Improvement as a guide to at least one improvement opportunity.
- II. To develop a change or improvement idea.
- III. To describe the team members necessary in order to test a specific change.
- IV. To support a change opportunity with data.
- V. To develop a test for at least one change.

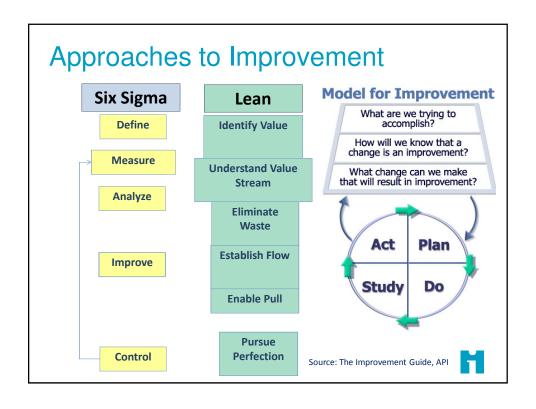


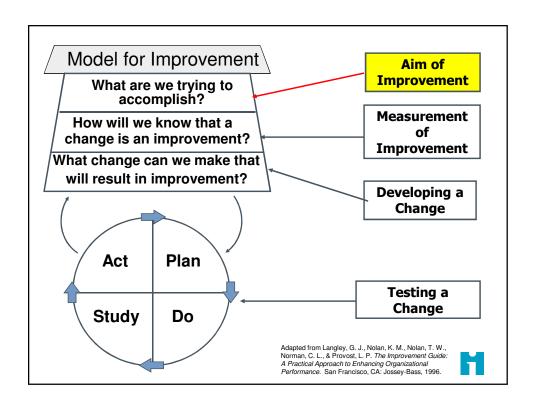
"Everyone in healthcare really has two jobs when they come to work every day: to do their work and to improve it."

Paul Batalden, MD Senior IHI Fellow





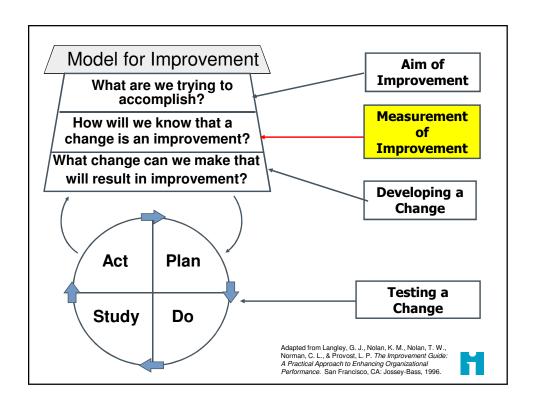




#### Aim

- To improve hand washing compliance of consulting providers to 80% by July, 2015.
- To improve time to first antibiotic after admission to NICU to <10 minutes by September, 2015.
- To decrease the cost of wound care supplies by 5% by December, 2015

How much? By when?



#### The Value of Measuring

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- "You measure what you value. Conversely, you value what you measure." Brent James
- "We tend to overvalue the things we can measure and undervalue the things we cannot." John Hayes
- "Measurement is the first step that leads to control and eventually to improvement. If you can't measure something, you can't understand it. If you can't understand it, you can't control it. If you can't control it, you can't improve it." H. James Harrington



# An Operational Definition...

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... is a description, in quantifiable terms, of what to measure and the steps to follow to measure it consistently.

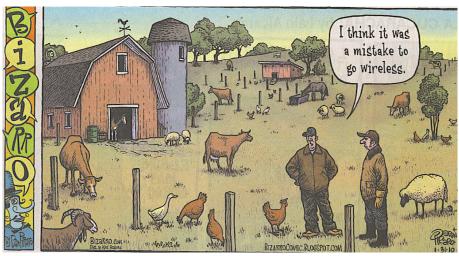
Surgery start time
A medication error
A complete patient chart
A patient fall
Good patient education
A readmission
A missed diagnosis
A short ED visit
Patient compliance
Service excellence

Quality

Staff productivity
Significant improvement
Timely technical assistance
Patient & family satisfaction
Breakthrough opportunity
A culture of safety
A patient complaint
A quick referral to a specialist
Medication reconciliation
Productive employees



# What does it mean to "go wireless"?



Thank you, Robert Lloyd!

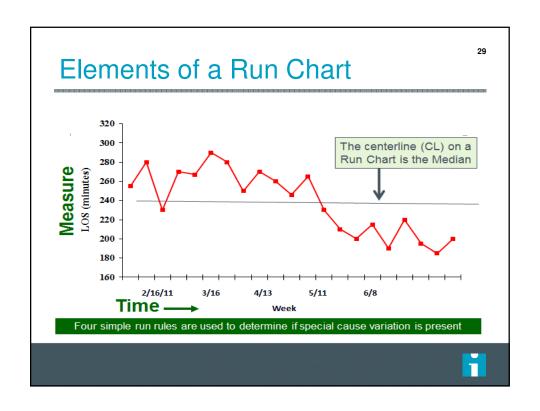


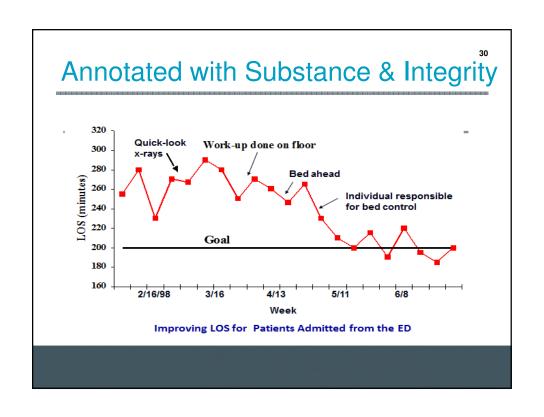
#### Measures

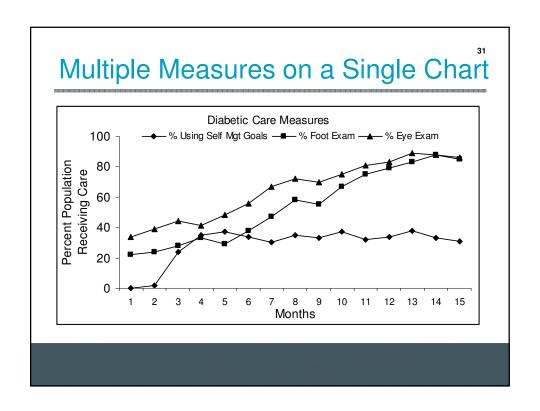
- Outcome Measures: How does the system impact the values of patients, their health and wellbeing? What are impacts on other stakeholders such as payers, employees, or the community?
- Process Measures: Are the parts/steps in the system performing as planned? Are we on track in our efforts to improve the system?
- Balancing Measures: Are changes designed to improve one part of the system causing new problems in other parts of the system?

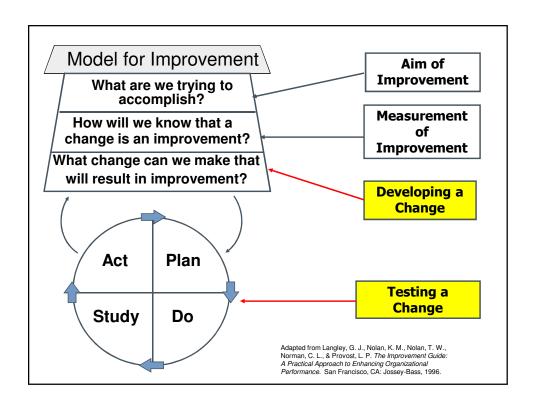
http://www.ihi.org/resources/Pages/HowtoImprove/ScienceofImprovement EstablishingMeasures.aspx

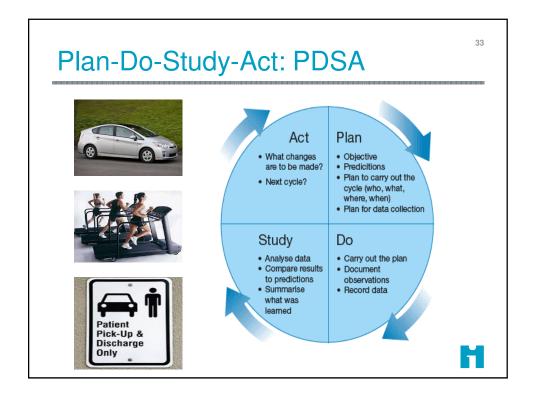








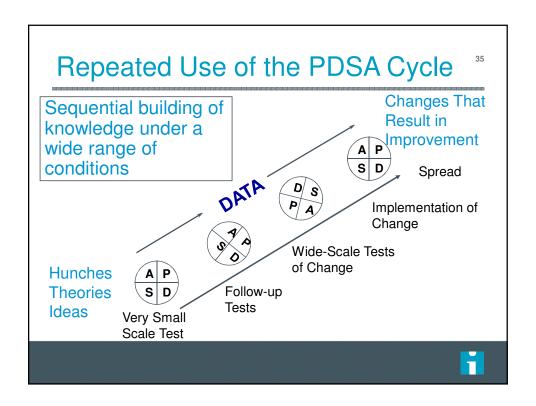


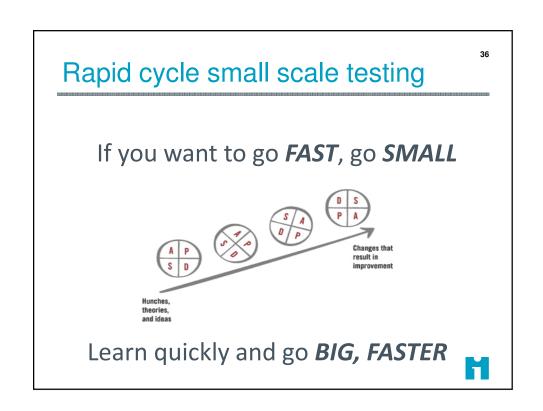


# Why Test?

- Increase the belief that the change will result in improvement
- Predict how much improvement can be expected from the change
- Learn how to adapt the change to conditions in the local environment
- Evaluate costs and side-effects of the change
- Minimize resistance upon implementation







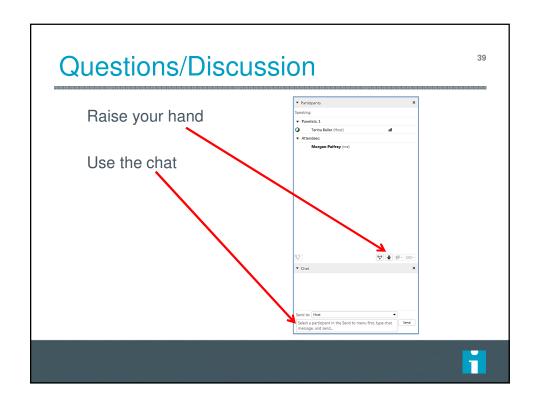
# Who and Where to Test?







	PDSA Worksheet for Testi	ing Chan	ige			38
Aim: (ove	rall goal you wish to achieve)					
	Every goal will require multiple smaller tests of change					
	Describe your first (or next) test of change:		Person responsible	When to be done	Where to be done	
Plan						
	List the tasks needed to set up this test of change		Person	When to	Where to	
			responsible	be done	be done	
	Predict what will happen when the test is carried out	Measures 1	to determine if	prediction	n succeeds	
<u>Do</u>	Describe what actually happened when you ran the tes	st				5
<u>Study</u>	Describe the measured results and how they compared to the predictions					
<u>Act</u>	Describe what modifications to the plan will be made for the next cycle from what you learned  Institute for Healthcare Improvement					
			institute for	nealthcare.	improvement	



#### The Joel Green Case

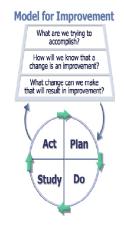
• What is the biggest challenge that Joel faces in trying to identify the cause of the MSRA spread? Why is time of the essence in determining the gap in processes that has led to this problem and how can he act quickly without sacrificing thoroughness? The Joel Green Case

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Who should Joel involve in his efforts to create change?
 List the people he might reach out to work with around this issue.

The Joel Green Case

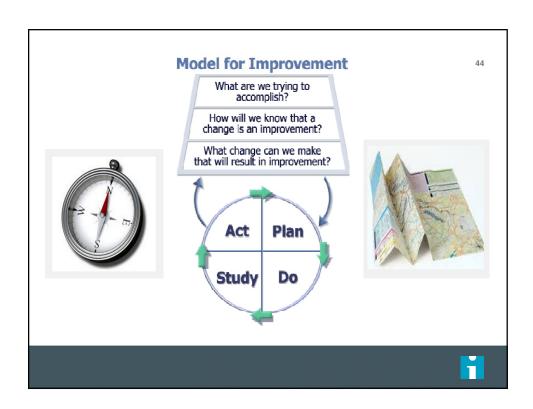
- Describe a potential aim related to Joel's challenge?
- How will he know if he makes a change in hand washing compliance?
- How will he decide what to test to try to improve hand washing practices in the ICU?

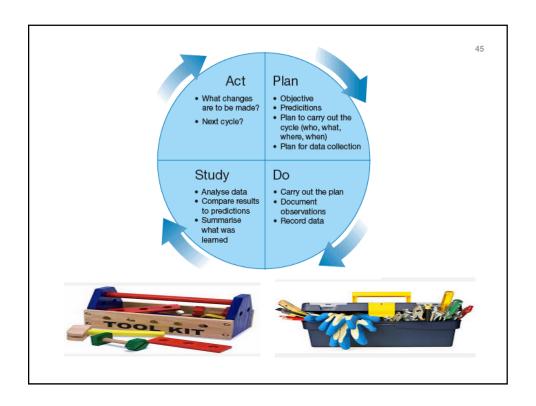


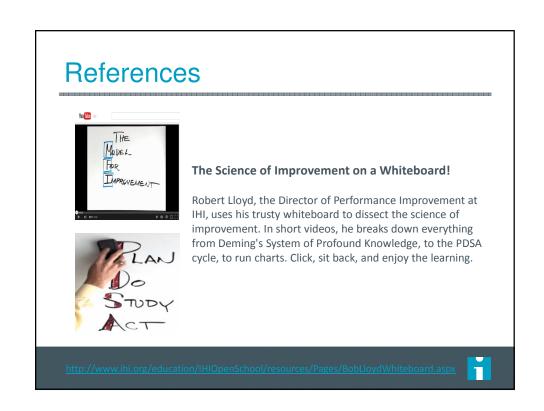
#### **Conclusions**

- The Model for Improvement provides a framework for testing new processes and systems.
- Know what you need to measure and create a data collection and feedback plan.
- Develop frontline teams to design and carry out tests.
- Test a change with various stakeholders and in different context before you move to implement.

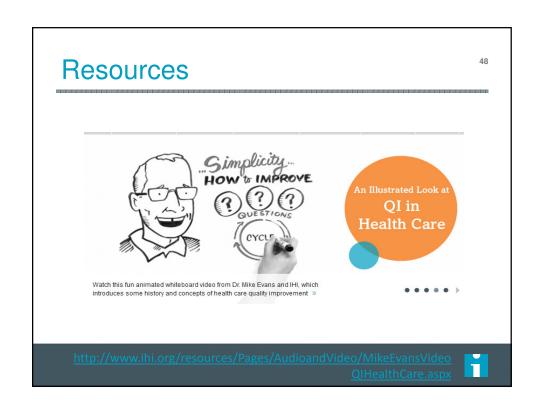






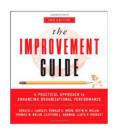


# Resources Institute for Healthcare Improvement Open School http://www.ihi.org/education/ihiopenschool/Pages/default.aspx





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Langley, G. J., Moen, R. D., Nolan, K. M., Nolan, T. W., Norman, C. L., Provost, L. P., 2009. **The Improvement Guide: A Practical Approach to Enhancing Organizational Performance** (JOSSEY-BASS BUSINESS & MANAGEMENT SERIES)

#### Comparing Lean and Quality Improvement



How to cite this IHI white paper:

Scoville R, Little K. Comparing Lean and Quality Improvement. IHI White Paper. Cambridge, Massachusetts Institute for Healthcare Improvement, 2014. (Available at Ihi.org)

http://www.ihi.org/resources/Pages/IHIWhitePapers/ComparingLeanandQuali yImprovement.asp:



#### **Action Period Assignment**

- Write an AIM statement (how much, by when) for the problem you have identified you want to address or improve.
- Identify one thing you will measure to know if a change is an improvement.
- 3. Describe your first test.



Describe this on the listserv LQl2015@ls.ihi.org in 250 words or less.



#### Communications

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- All sessions are recorded
- Materials are sent one week in advance
- Listserv address for session communications: LQI2015@ls.ihi.org
- If you'd like to be re-added, add colleagues or change your subscription to a daily digest, email us at info@ihi.org



#### **Next Session**

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#### Session 4

Build Sustainable Systems Chris Hayes, MD, MSc, MEd

Tuesday, March 31, 12:00 – 2:00 PM ET\*

Allied Health Professions Managers join Clinical Managers

Breakout session: Clinical Managers 12:00-1:00 PM ET Quality Improvement Managers 1:00-2:00 PM ET



# Thank You!

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Please let us know if you have any questions or feedback following today's session.

Kathy Duncan KDuncan@IHI.org

Dorian Burks DBurks@IHI.org

