

# Welcome back, warm up, questions from Day 2

*Improvement Coach Professional Development Program*



**Karen Baldoza**

# Workshop 2: Day 3 overview

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Time	Agenda Item
7:00 AM	Breakfast available
8:00 AM  9:55 AM Break	<ul style="list-style-type: none"><li>• Welcome back, warm up, questions from Day 2</li><li>• Breakouts: WIP presentations round 3</li><li>• Improving the long-term impact of improvement: Implementation, sustainability, and scale-up</li></ul>
12:00 PM	Lunch
1:00 PM  3:00 PM Break	<ul style="list-style-type: none"><li>• The art of coaching: Coaching practice round 2 breakouts</li><li>• Graduation (almost)!</li><li>• Day 3 debrief and next steps</li></ul>
4:00 PM	Adjourn



# Breakouts



Break



# Improving the long-term impact of improvement: Implementation, sustainability, and scale-up

*Improvement Coach Professional Development Program*



**Karen Baldoza  
Christina Gunther-Murphy**

# Session objectives

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- Summarize the sequence of improvement and the use of PDSA cycles in each phase
- Describe when to move from testing to implementation
- Outline steps you might take to implement changes from your improvement project
- Summarize the IHI Scale-up Framework including the phases of scale-up, adoption mechanisms, and support systems
- Assess the readiness of one of your change ideas for spread



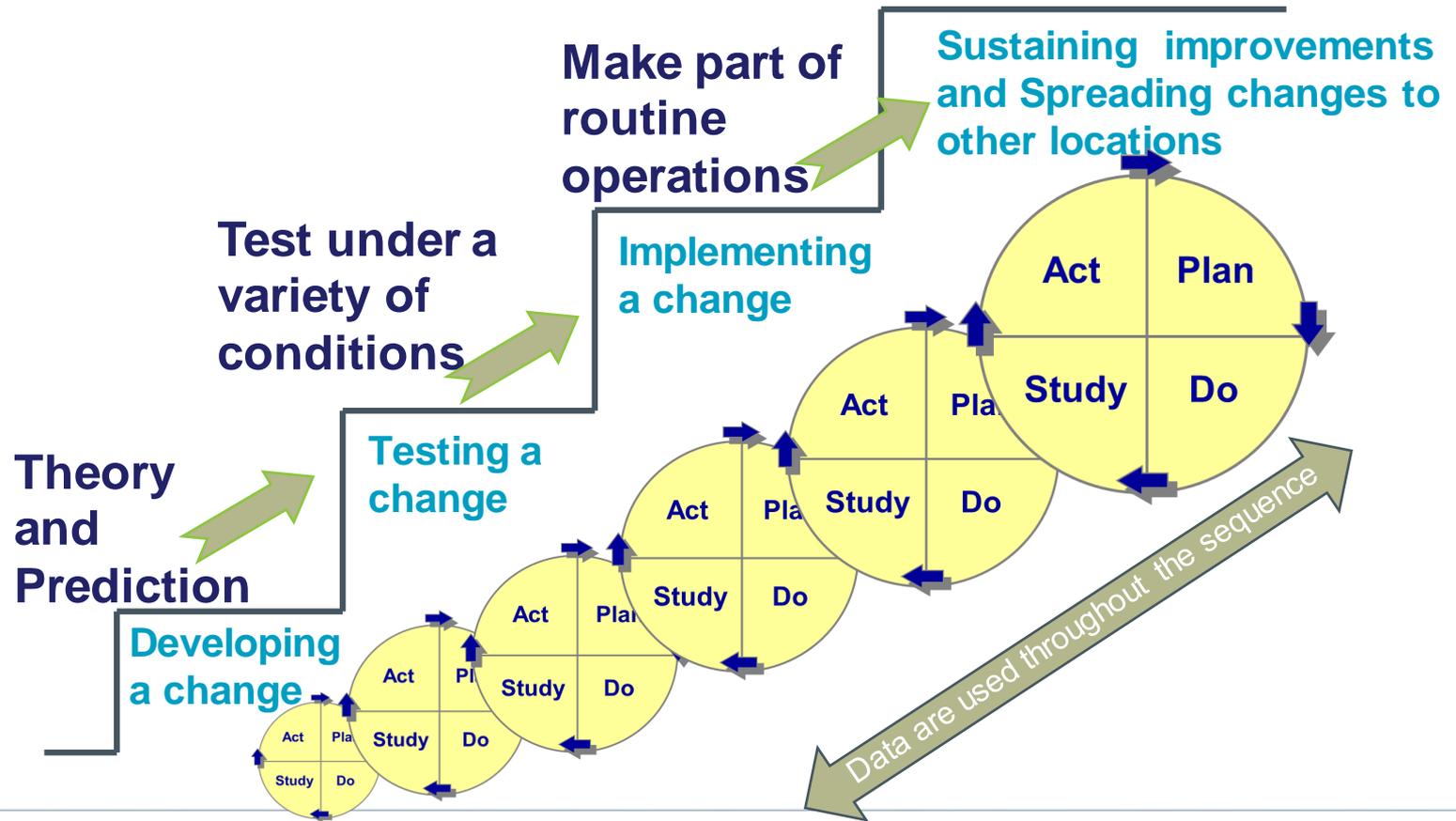
# Questions to improve impact

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- How do we move from testing to making the change permanent? (Implementation)
- How do we hold the gains from improvement over time? (Sustainability)
- How do we improve more quickly across a system?
  - How do we engage individuals to adopt changes identified elsewhere? (Spread)
  - How do we build the infrastructure to allow adoption of changes in different contexts? (Scale-up)



# The sequence of improvement



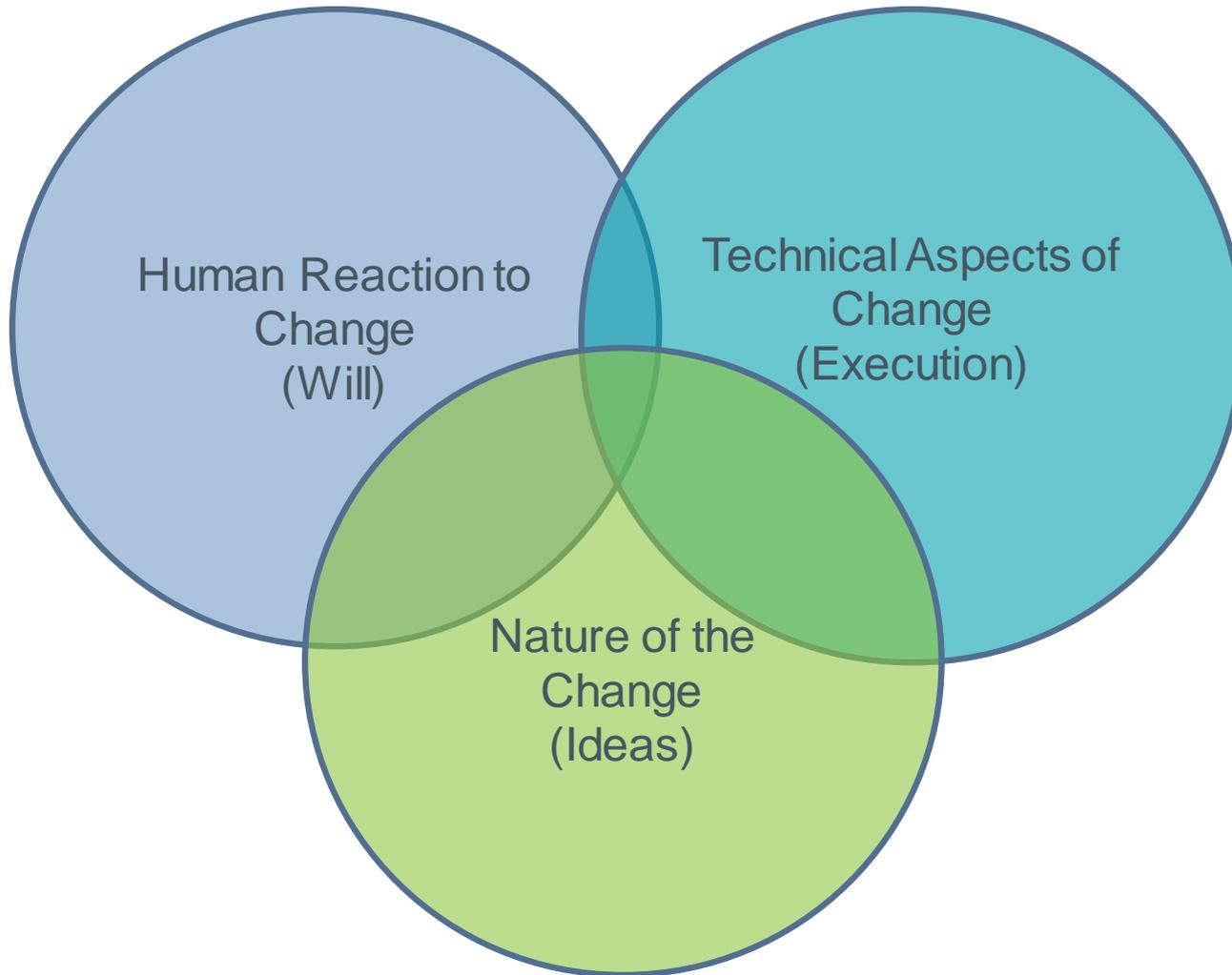
# Improvement Sequence

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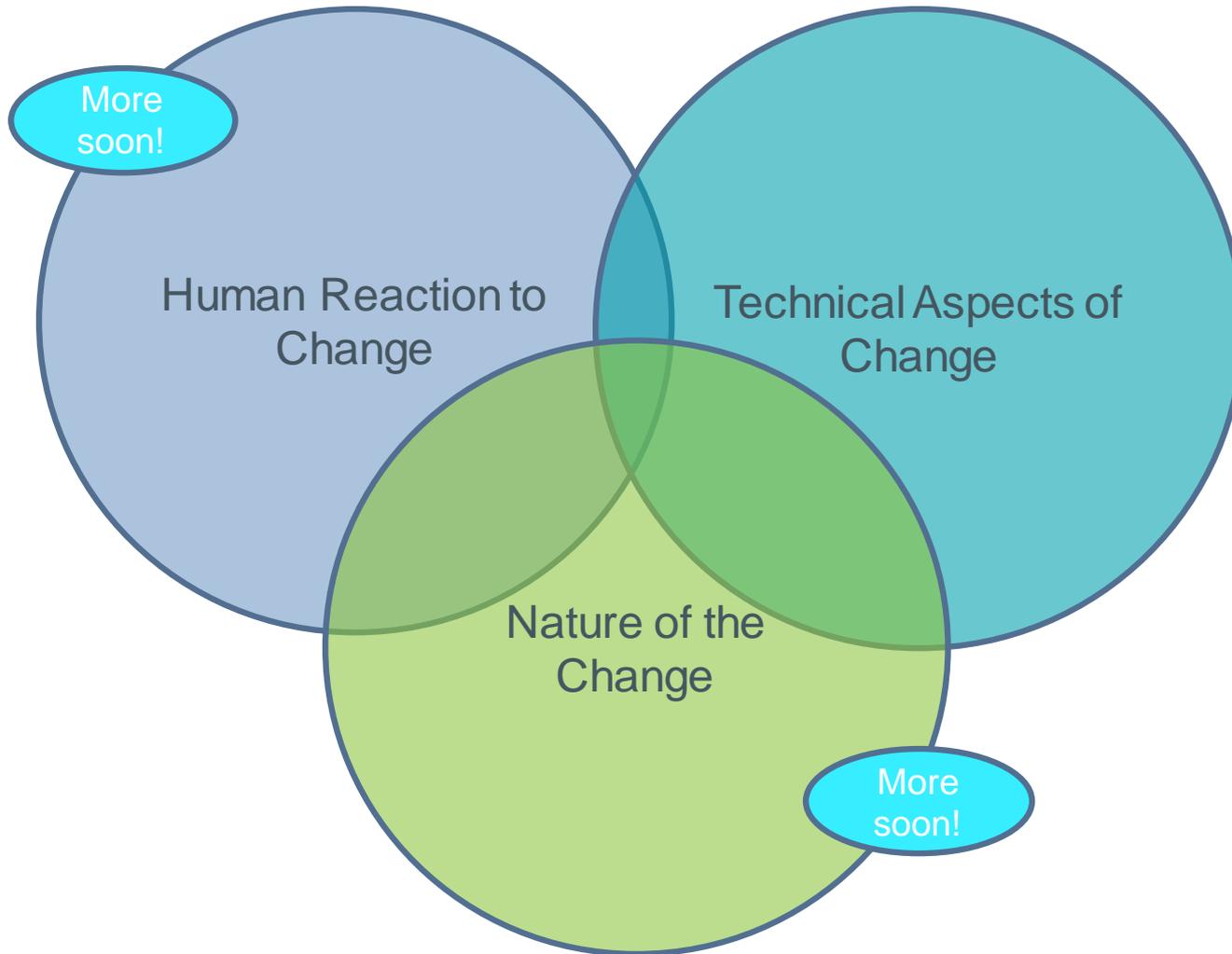
- **Testing:** Trying and adapting ideas to learn what works in your system
- **Implementation:** Making a change a permanent part of the day-to-day operation of the system
- **Spread:** Having individuals adopt the changes
- **Scale-up:** Overcoming the structural issues that arise during spread



# Improving Long-Term Impact



# Improving Long-Term Impact



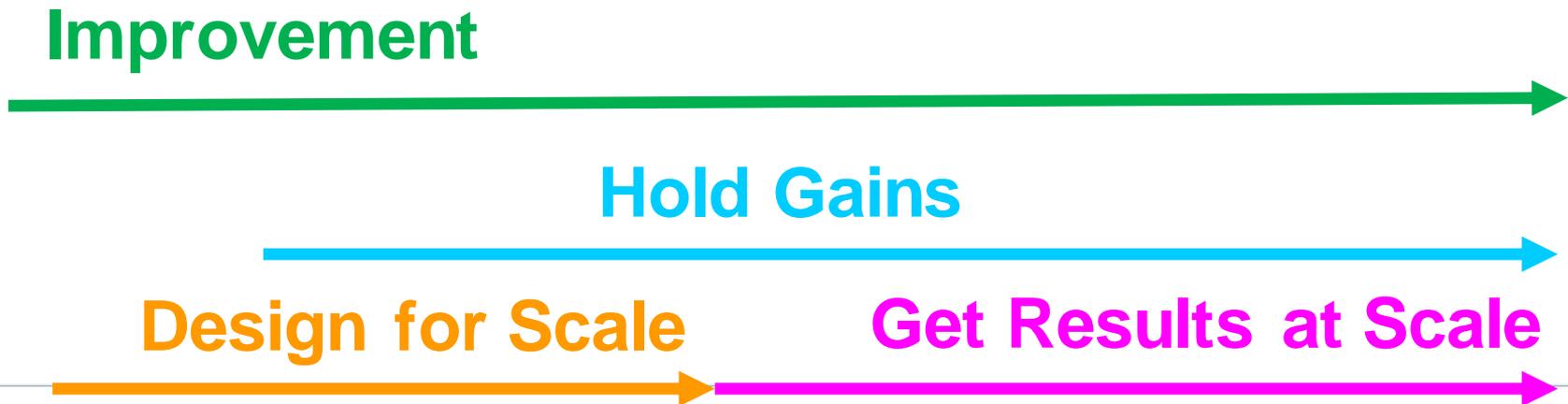
# Creating a new system

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## Old way: Sequential Approach



## New way: Parallel Approach



# Implementation

*How do we move from testing to making the change permanent?*



Expectation for...	Testing	Implementation
Failure	20 – 25%	~0%
Surprises and learning	High	Low
Number of people affected	Few	Many
Resistance	Low	High
Redesign of existing processes (e.g., job descriptions)	No	Yes
New resources needed	No	Yes
Time needed to run PDSA	Fast	Slow



# Deciding on the scale of the PDSA cycle

## Current Commitment Within Organization

Current Situation		Current Commitment Within Organization		
		NO COMMITMENT	SOME COMMITMENT	STRONG COMMITMENT
Low degree of belief that change idea will lead to Improvement	Cost of failure large	<i>Very small-scale test</i>	<i>Very small-scale test</i>	<i>Very small-scale test</i>
	Cost of failure small	<i>Very small-scale test</i>	<i>Very small-scale test</i>	<i>Small-scale test</i>
High degree of belief that change idea will lead to Improvement	Cost of failure large	<i>Very small-scale test</i>	<i>Small-scale test</i>	<i>Large-scale test</i>
	Cost of failure small	<i>Small-scale test</i>	<i>Large-scale test</i>	<b>Implement</b>



# Pre-requisites to Implementation

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- ❑ Change tested under a variety of conditions
- ❑ Data over time available to show changes leads to improvement
- ❑ Champions of change identified in key stakeholder groups
- ❑ Long-term process owner identified and engaged
- ❑ Impact on workload assessed during PDSAs



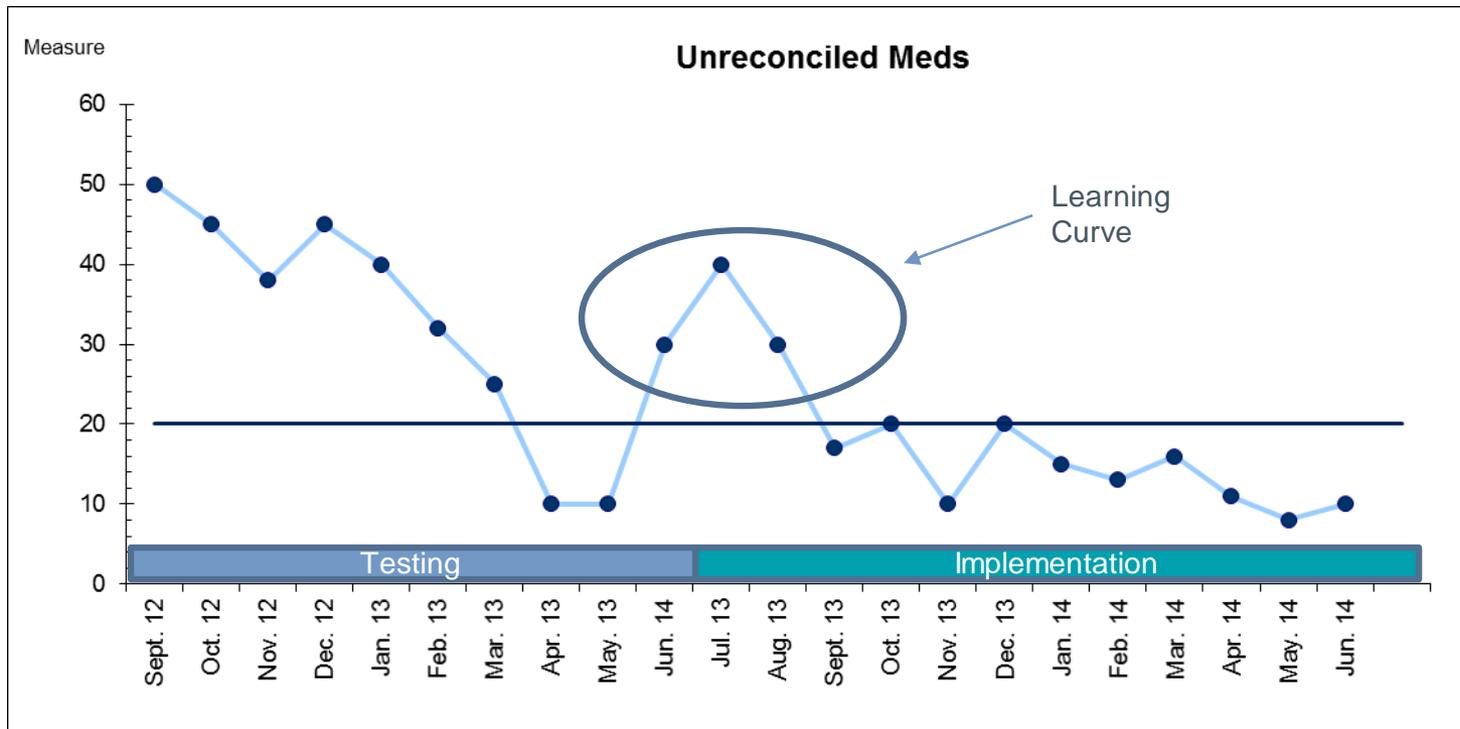
# Technical strategies for implementation

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- Continue to use PDSA cycles
- Three approaches when planning PDSA's
  1. “Just do it”
  2. Parallel approach
  3. Sequential approach
    - a) One at a time with all staff
    - b) All at one time with selected staff



# Expectation for implementation



Lower is better

# Individually, think about...

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- What changes are you testing?
  - What are you learning from those tests?
- What (if anything) are you implementing?
- How are you deciding when you will move from testing to implementation?



# Sustainability

*How do we hold the gains from improvement over time?*



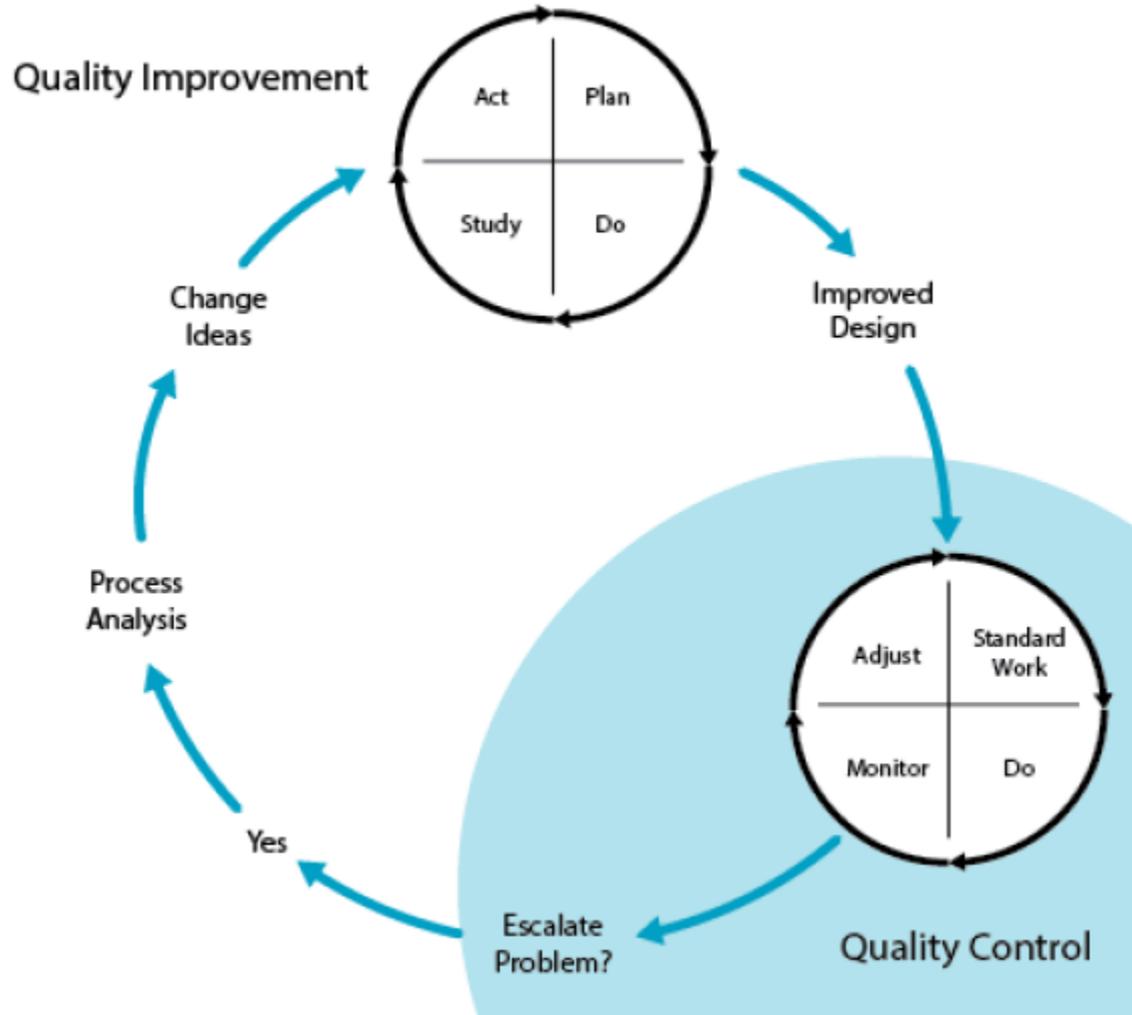
# Discussion

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- Think of a time in your experience when an improvement was implemented. Are the gains from that change still there?
  - If yes, what was done that resulted in the gains being held?
  - If no, why did the gains fail to be held? What got in the way?



Figure 1. The Relationship of Quality Improvement and Quality Control



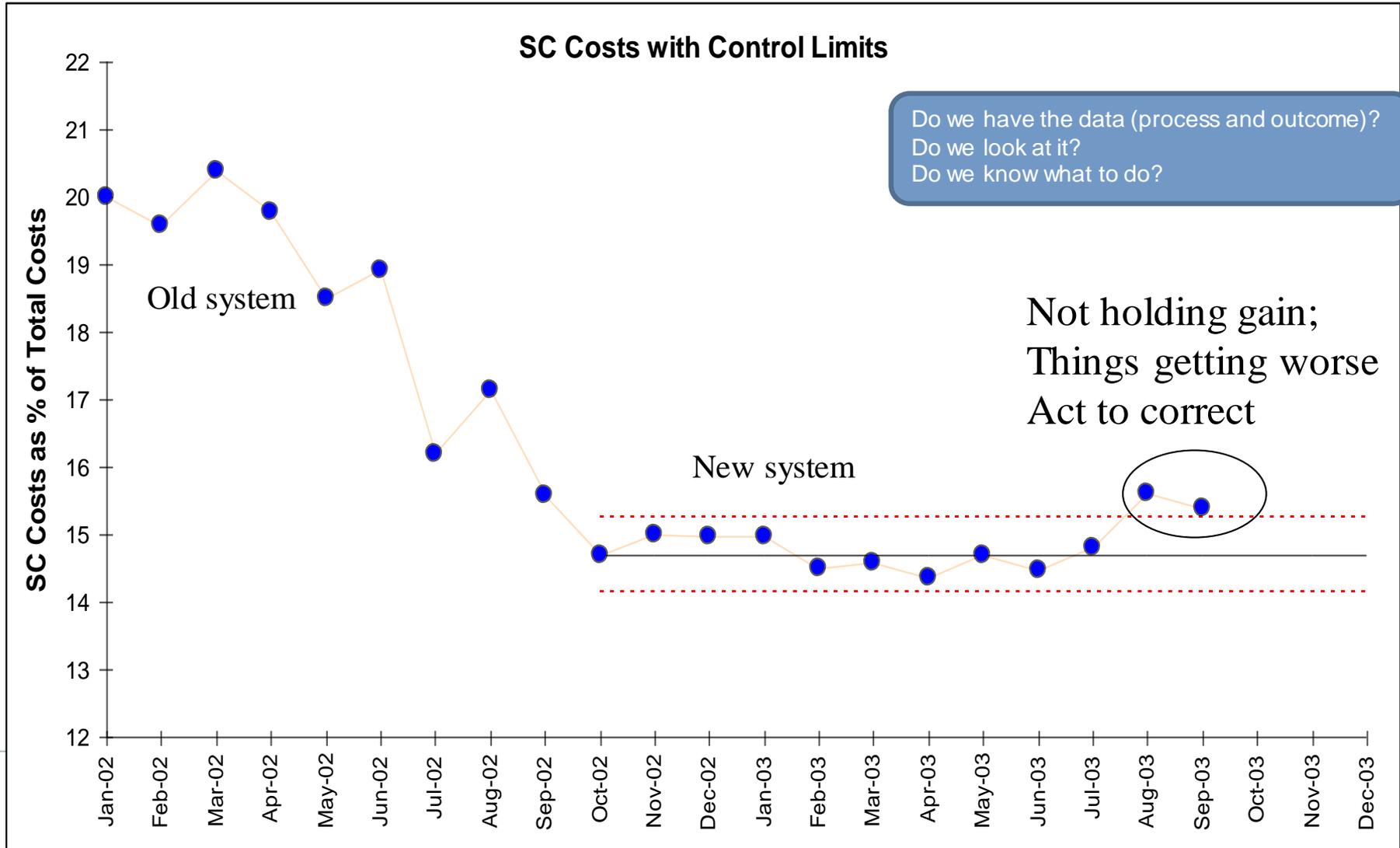
# Technical Aspects

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- Measurement
- Ownership
- Communication and Training
- Hardwiring and Standardization
- Assessment of Workload



# Measurement: Quality control



# Ownership

Figure 2. Architecture of a High-Performance Management System

<http://www.ihl.org/resources/Pages/IHWhitePapers/Sustaining-Improvement.aspx>

Quality Control (Operations)			Quality Improvement (System Change)		
Key Tasks	Data for Control	Guidance	Key Tasks	Data for Improvement	Aims Alignment
<ul style="list-style-type: none"> <li>Define core values</li> <li>Articulate principles</li> <li>Obtain and deploy resources</li> <li>Monitor "Big Dots"</li> <li>Frequent frontline observation</li> </ul>	<ul style="list-style-type: none"> <li>"Big Dot" system metrics, process and outcomes metrics</li> <li>Reports to external stakeholders</li> </ul>	<ul style="list-style-type: none"> <li>Coaching (all tiers) in workplace</li> <li>Monitor T2 standard work</li> </ul>	<ul style="list-style-type: none"> <li>Monitor environment, anticipate change</li> <li>Quality planning:                             <ul style="list-style-type: none"> <li>Set strategic direction</li> <li>Commission and drive system-wide initiatives</li> </ul> </li> <li>Consistent messaging</li> <li>Celebrate improvement</li> </ul>	<ul style="list-style-type: none"> <li>Aggregated system process and outcomes metrics</li> <li>T2, system QI project status and metrics</li> <li>Population, organization impact</li> </ul>	<ul style="list-style-type: none"> <li>Negotiate T2 strategic goals</li> <li>Launch, prioritize system QI initiatives</li> </ul>
<ul style="list-style-type: none"> <li>Interdepartmental coordination</li> <li>Obtain and deploy resources</li> <li>Define department metrics</li> <li>Monitor department operations, planning</li> </ul>	<ul style="list-style-type: none"> <li>T2 summary of daily operational issues</li> <li>Standard department operational metrics</li> </ul>	<ul style="list-style-type: none"> <li>Coaching T1 on standard work</li> <li>Monitor staff, process capability</li> <li>Monitor T1 standard work</li> </ul>	<ul style="list-style-type: none"> <li>Conduct root cause analysis</li> <li>Quality planning:                             <ul style="list-style-type: none"> <li>Commission T1 projects</li> </ul> </li> <li>Lead interdepartmental projects</li> </ul>	<ul style="list-style-type: none"> <li>Aggregated unit process and outcomes metrics</li> <li>T1 project status and metrics</li> <li>Staff QI capacity</li> </ul>	<ul style="list-style-type: none"> <li>Negotiate T1 goals</li> <li>Launch, prioritize, monitor T2 projects</li> </ul>
<ul style="list-style-type: none"> <li>Monitor unit operational status</li> <li>Define unit standard work, metrics</li> <li>Manage shift staffing, shift patient priorities, etc.</li> <li>Incident response, escalation</li> </ul>	<ul style="list-style-type: none"> <li>Summary of daily operational issues</li> <li>Standard unit operational metrics</li> <li>Incident reports</li> </ul>	<ul style="list-style-type: none"> <li>Coaching "what to do and how"</li> <li>Coaching on problem detection and response</li> <li>Monitor frontline standard work</li> </ul>	<ul style="list-style-type: none"> <li>Coordinate with improvement specialist to surface problems, best practices</li> <li>Lead T1 QI projects</li> <li>Lead root cause analysis</li> <li>Lead daily PDSA</li> </ul>	<ul style="list-style-type: none"> <li>Unit project status and metrics</li> <li>Problems for escalation to T2 projects</li> <li>PDSA results</li> </ul>	<ul style="list-style-type: none"> <li>Negotiate unit goals</li> <li>Launch, prioritize, monitor unit-level QI projects</li> </ul>
<ul style="list-style-type: none"> <li>Situational awareness, prioritize care tasks</li> <li>Define frontline standard work</li> <li>Adjust to usual process variation, patient needs</li> <li>Respond to atypical process variation</li> </ul>	<ul style="list-style-type: none"> <li>Observations of care process and environment</li> <li>Patient feedback and observations</li> <li>Clinical data, tallies of process operation</li> </ul>	<ul style="list-style-type: none"> <li>Clear communication to support patient and family decisions and expectations</li> </ul>	<ul style="list-style-type: none"> <li>Undertake simple process fixes ("See-Solve")</li> <li>Identify ideas for change</li> <li>Engage in PDSA</li> </ul>	<ul style="list-style-type: none"> <li>Identify problems for escalation to T1</li> <li>Ideas for improvements</li> </ul>	<ul style="list-style-type: none"> <li>Participation in QI teams for aligned improvement</li> <li>Engage patients in improvement</li> </ul>
Patient Care Interface			Patient Care Interface		
<ul style="list-style-type: none"> <li>Trigger acute system responses</li> <li>Report on current symptoms, situation, emerging needs, etc.</li> </ul>	<ul style="list-style-type: none"> <li>Presentation</li> <li>Stories and observations</li> <li>"What matters to me?"</li> </ul>	<ul style="list-style-type: none"> <li>Candid talk, transparent dialogue</li> <li>Post quality data (online)</li> </ul>	<ul style="list-style-type: none"> <li>QI team participation</li> </ul>	<ul style="list-style-type: none"> <li>Identify process problems, offer suggestions</li> <li>Stories and observations</li> </ul>	<ul style="list-style-type: none"> <li>Patients and families shape aims for improvement</li> </ul>
			<b>Tier 3 Executive, VP</b>		
			<b>Tier 2 Dept. Manager, Director</b>		
			<b>Tier 1 Unit Manager</b>		
			<b>Charge Nurse, Frontline Staff</b>		
			<b>PATIENTS and FAMILIES</b>		



# Communication and training

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- Awareness to decision (communication)
- Decision to action:
  - Peer-to-peer
  - “At the elbow” or mentoring
  - Ongoing technical support or hotline
  - Learning + Action
  - Address mindsets + technicalities
- Consider training for existing and new employees (e.g., onboarding)

More  
soon!



# Training: How matters

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- What do adults retain after three months?
  - Lecture-based training (e.g., presentations, videos, demonstrations, discussions) = 10%
  - Learn by doing (e.g., role plays, simulations, case studies) = 65%
  - Practice what was learned in the workplace = ~100%



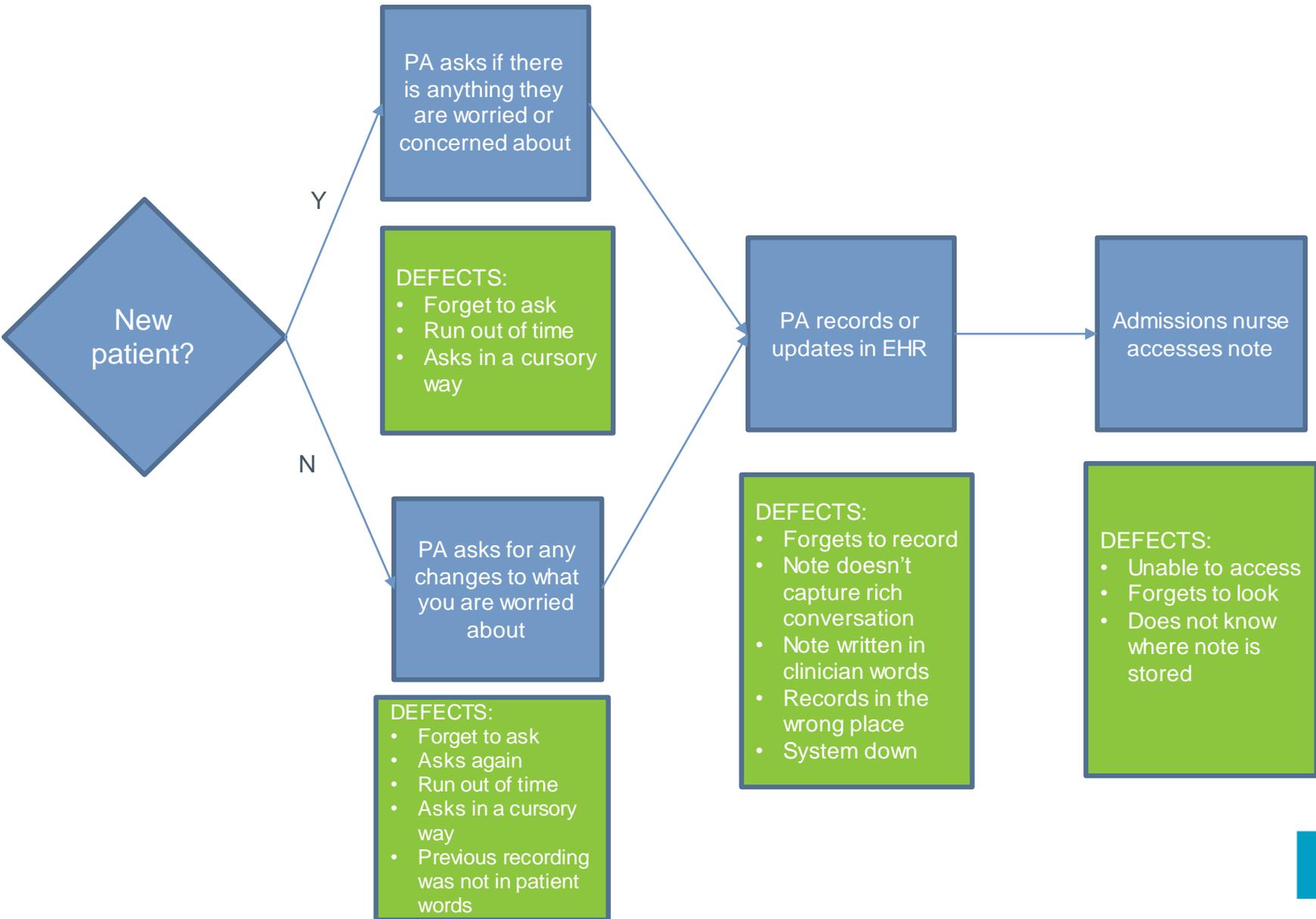
# Hardwiring the change

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- Make it easy to do the right thing and hard to do the wrong thing
- Sample methods:
  - Standardization and accountability for following standard work
  - Documentation
  - Remove “old way”
  - Reduce reliance on human memory (affordances, defaults)
  - Tend to resources: forms, equipment, etc.

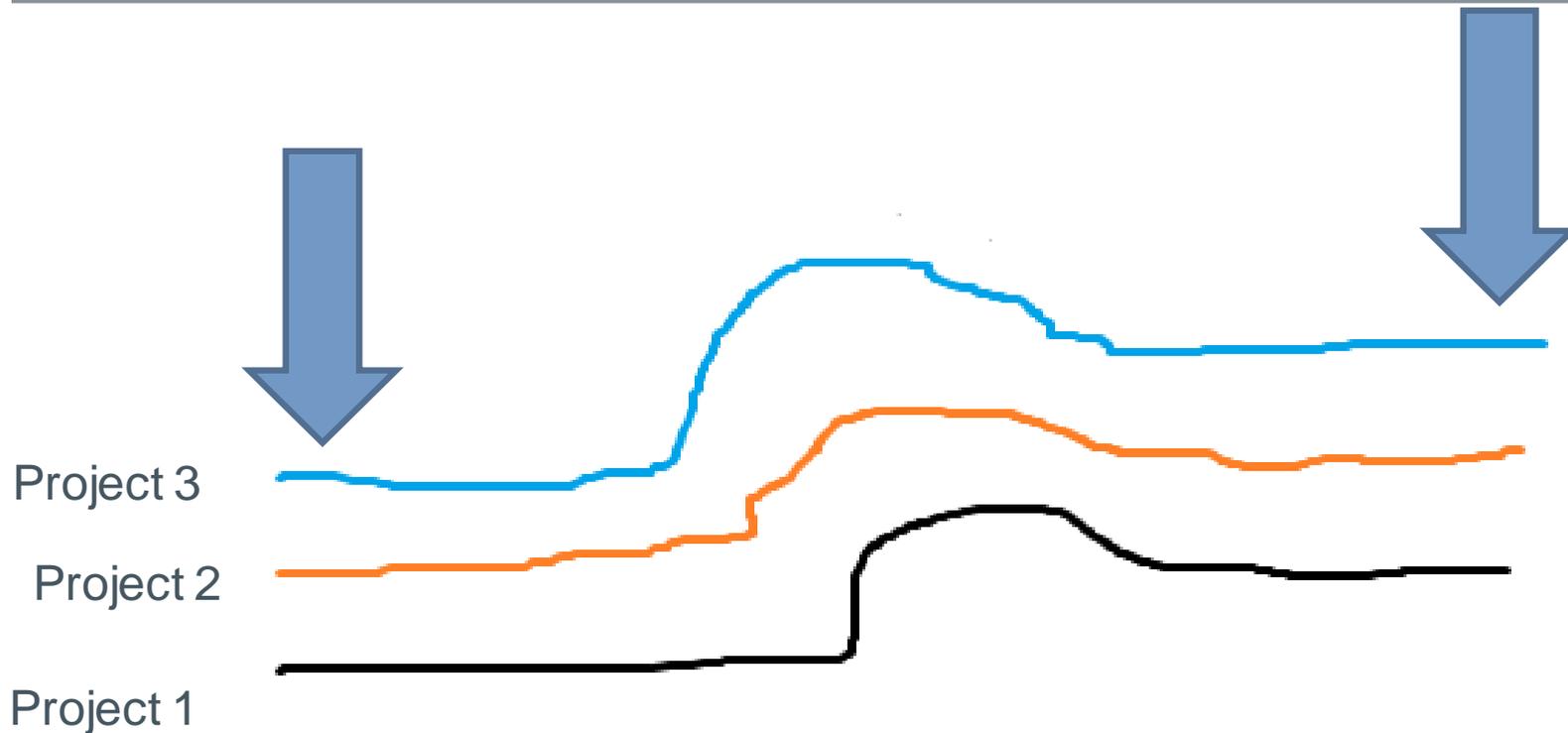


# Hardwiring the change



# Assessment of Workload

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# Stop, Start, Continue

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Category	Description
Stop	What are we doing in this area that is not working or no longer makes sense? (Something we should STOP)
Start	What should we put in place to improve our area? (Something we should START)
Continue	What is working well in our organization and should be continued? (Something we should CONTINUE)
Change	What is working to some extent and would benefit from minor changes? (something we should change)



# Managing sustainability

## 4 Hour Project

### SUSTAINABILITY PLAN

<b>Process Description</b>	Assessment and management of patients discharged from ED	<b>Core Team Members</b>		<b>Date First Completed</b>	7/22/2011
<b>Process Owner</b>		<b>Executive Director of Process Owner</b>		<b>Date (latest revision)</b>	8/13/2012

### Control Plan

### Response Plan

Types of measure	Operational Definition	How is the data taken	Who is accountable for the data	How is the data measured	Who is accountable for the measurement	How is the data reported	Who produces the report	Who receives the report	What is the target for the measure	Who is accountable for meeting the target	When do I take action	What actions do I take	Comments
4 Hour KPI performance	The percentage of patients discharged from the ED with a length of stay of less than 4 hours	Crystal report from Symphony	Bruce Garbutt	Crystal report from Symphony	Bruce Garbutt	ED Scorecard	Bruce Garbutt	ED Leadership Group (Melinda Truesdale, Steve Pincus, Karen Clark, Liz Virtue)	> 80%	ED Leadership Group, Bruce Garbutt	< 80%	Review of more detailed ED performance data to identify delays	Performance during May - July 2013 maintained at 70 - 80%, 80 - 70% August 2013, most recent measure 70% (week ending 1/9/13).
<b>Fast Track - patient numbers and 4 hour performance</b>	Number of patients managed through Fast Track per week and the percentage discharged within 4 hours	Crystal report from Symphony	Bruce Garbutt	Crystal report from Symphony	Bruce Garbutt	ED Scorecard	Bruce Garbutt	ED Leadership Group (Melinda Truesdale, Steve Pincus, Karen Clark, Liz Virtue)	100 patients per week, 4 Hour KPI > 80%	ED Leadership Group, Bruce Garbutt	< 75 patients per week, 4 Hour KPI < 80%	Audit of patients being managed through Fast Track, and potential missed patients in Emergency stream	Continued good performance: 90 - 110 patients per week, 4 hour KPI performance 80 - 100%
<b>Q3 process times for patients discharged from ED</b>	3rd quartile process times for waiting time, assessment time and length of stay for patients discharged from the ED	Crystal report from Symphony	Bruce Garbutt	Crystal report from Symphony	Bruce Garbutt	ED Scorecard	Bruce Garbutt	ED Leadership Group (Melinda Truesdale, Steve Pincus, Karen Clark, Liz Virtue)	Wait 90 minutes, Asses 150, LOS 240	ED Leadership Group, Bruce Garbutt	Wait 90 minutes, Asses 150, LOS 240	Review more detailed ED performance figures/workload, review staffing issues/allocations	Waiting time 105 - 135 minutes (originally 150 - 160 minutes). Assessment time 135 - 150 minutes (improved from 140 - 170 minutes). ED LOS 230 - 275 minutes (originally 315 minutes).
								ED					Short Stay utilisation to 70 - 80% (70 - 80%)



# WORKSHEET: Redesign of Support Processes for Implementation of Change

Change Implemented: \_\_\_\_\_ Date: \_\_\_\_\_

Cycle No.	Change Tested or Implemented	Lead	June	July		August			September					October			November								
			24 25	1	8	15	22	29	5	12	19	26	2	9	16	23	30	7	14	21	28	4	11	18	
	<b>Policies</b>																								
	<b>Documentation</b>																								
	<b>Hiring Procedures</b>																								
	<b>Staff education /training</b>																								
	<b>Job descriptions</b>																								
	<b>Information Flow</b>																								
	<b>Equipment Purchases</b>																								

Implementation and sustainability require project management  
Use a Gantt chart or similar tool to help set your timeframe

# Sample Project Team Worksheet

Key Implementation Areas	Changes to Support Implementation	Lead	Cycle #	Objective of PDSA Cycle
Standardization	Policies and Procedures			<ul style="list-style-type: none"> <li>Update policies and procedures documents; test with a few techs and engineers</li> </ul>
	Hiring Procedures			<ul style="list-style-type: none"> <li>Test use of screening tool</li> <li>Try new orientation process</li> </ul>
Documentation	Job descriptions			<ul style="list-style-type: none"> <li>Develop and test process techs job descriptions</li> <li>Test description of new position for a lab analyst</li> </ul>
Training	Staff education/training			<ul style="list-style-type: none"> <li>Offsite versus onsite versus web-based (in three learning cycles)</li> <li>Learn about mentoring and shadowing approaches</li> </ul>
Measurement	Information Flow			<ul style="list-style-type: none"> <li>Integrate time measurement into standard checksheet</li> </ul>
Resourcing	Equipment Purchases			<ul style="list-style-type: none"> <li>Test one server</li> <li>Investigate two types of networking</li> </ul>



# Holding the gains after implementation

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If your current work team won the lottery, quit, and moved to St. Lucia, would your replacements be able to continue the work? (i.e., Would your improvements “stick?”)

- If yes, why? What have you done to get the improvements to “stick?”
- If no, what would have to be done to get the improvements to “stick?”



# Spread and Scale- up

*How do we improve more quickly across a system?*



# Is this problem mainly due to spread or scale-up issues?

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***Malaria control interventions are still inadequate to reach the national and international targets to improve population health.***

*A key reason for this is that individuals will not seek preventive treatment when pregnant nor treatment for children with malaria.*

*A key reason for this is inadequate systems to deliver preventive treatment to pregnant women and treatment of children with malaria.*



# Your Project

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- **Spread:** Having individuals adopt the changes
- **Scale-up:** Overcoming the structural issues that arise during spread

Most projects will have both, but weights might be different – how are these at play in your projects?



# Technical Aspects

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- Spread and scale-up aim
- Measures:
  - Awareness to decision
  - Decision to outcome
  - Outcome
- Plans:
  - Workplan
  - Communication
  - Measurement
- Project manager (25 – 50% FTE for high complexity)
- Infrastructure



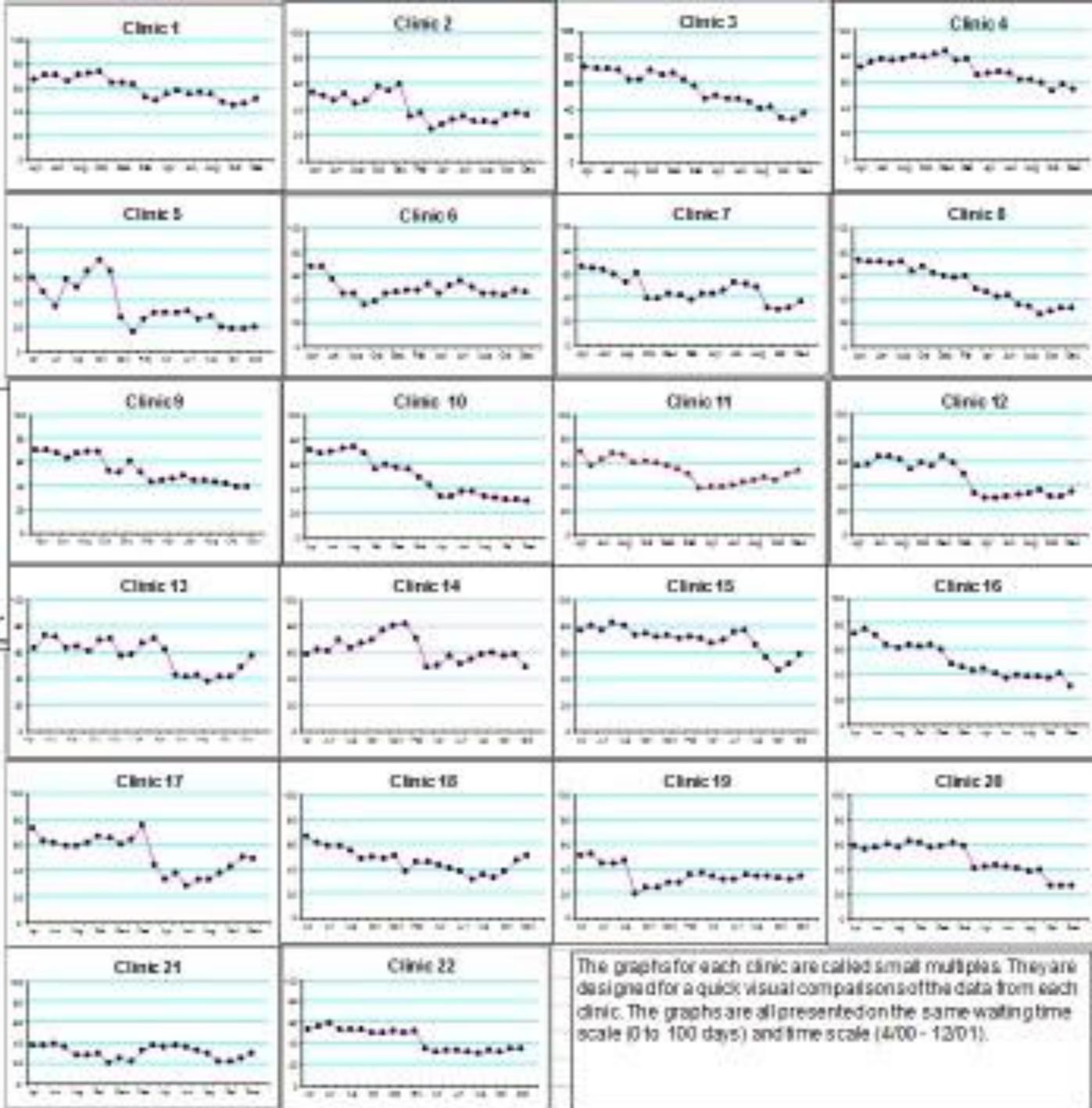
# Process Measure

<b>Site</b>	<b>Exec Walks</b>	<b>Unit Briefings</b>	<b>HFE Briefings</b>	<b>FMEA</b>	<b>Reconciliation</b>	<b>Hazard Areas</b>
1	X	X	X	X	X	Coumadin
2	X	X	X	X	X	PCAs
3	X	X		X	Plan	
4	X	X	Plan	X	X	
5	X	X	Plan	Plan	X	
6	X	X		X	Plan	Lovenox
						Heparin
7	X	Plan		Plan	X	
8	X	Plan		X	X	X

X = At least one unit implementing the change



## Small Multiples: Overall System and 22 Clinics

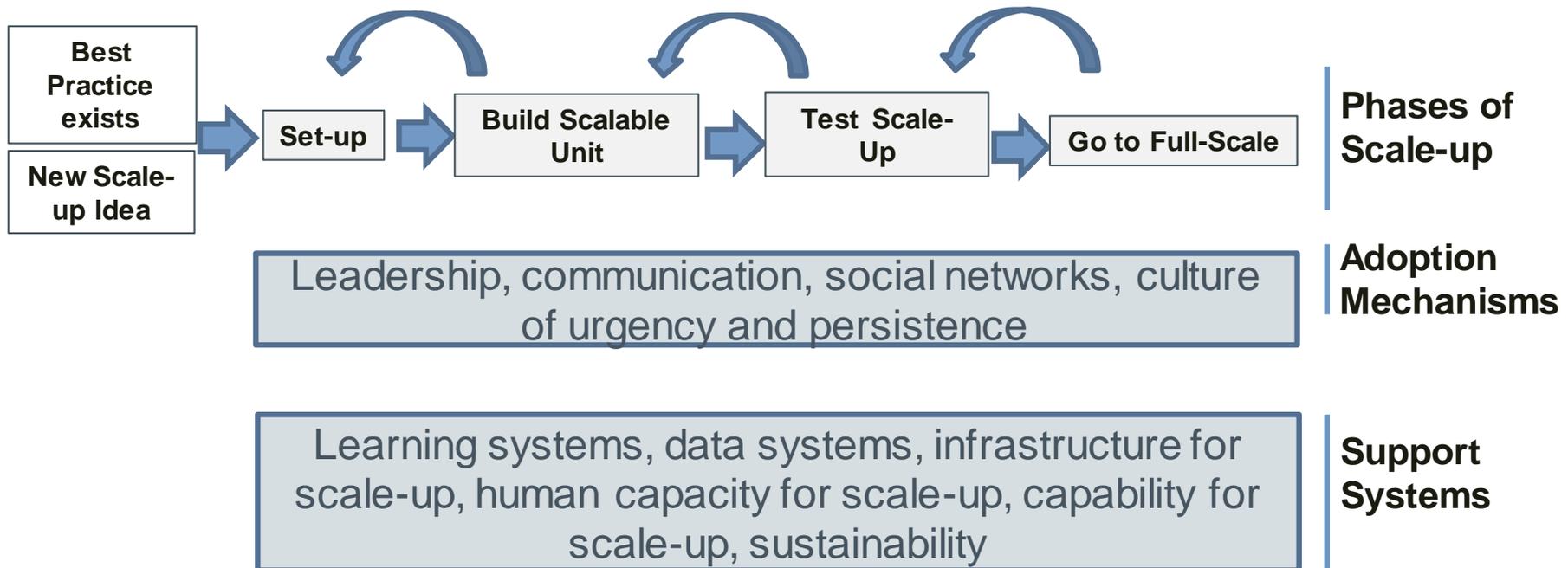


Average Waiting Times All Primary Care Clinics in System

Average Waiting Times: All Primary Care Clinics in System

The graphs for each clinic are called small multiples. They are designed for a quick visual comparison of the data from each clinic. The graphs are all presented on the same waiting time scale (0 to 100 days) and time scale (4/00 - 12/01).

# The Scale-up Framework



# Scale-up framework

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<b>Change Areas</b>	5	25	125	625	3125
Change 1					
Change 2					
Change 3					
Change 4					
· ·					



# Scale-up framework

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Change Areas	5	25	125	625	3125
Asking What Matters	Physician asks at primary care visit	PA asks during vital signs	Pre-visit planning	???	???
Documenting What Matters	Pen and paper	Standardized form	Whiteboard	EHR	???
Sharing What Matters	Physician head	Form in record	Care team meeting	???	???
Updating What Matters	N/A	N/A	Pre-visit planning	???	???
Learning System	N/A	Team Meeting	Champion	Database	???

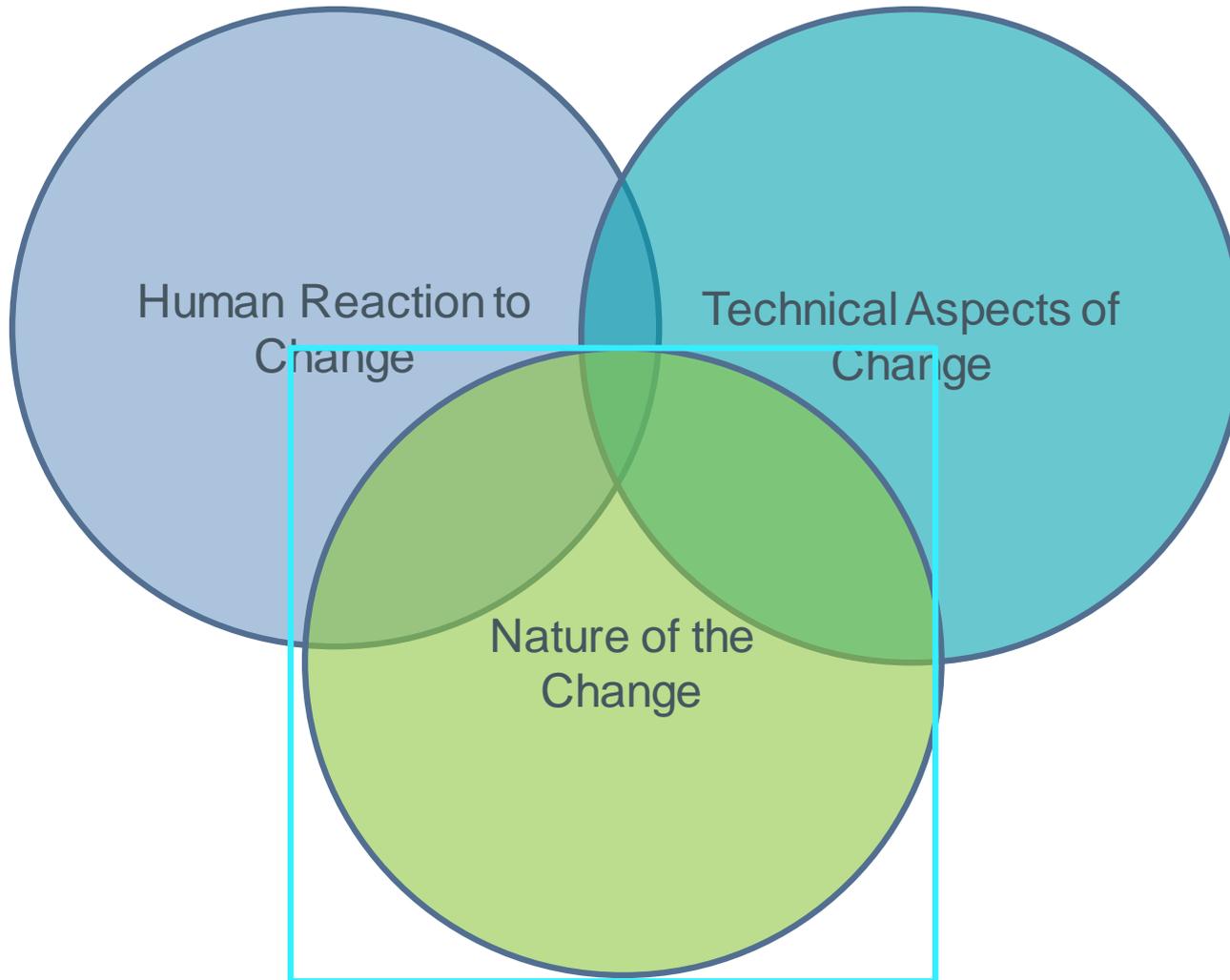


# Worksheet: Five-times (5x) Thinking

Use the following table to anticipate the kind of infrastructure issues you might encounter during the process of testing a change as you move to a larger number of units (e.g., sites, persons, providers)

5x Scale-up for _____	
Number of units affected	System issues to overcome or questions to answer
5	
25	
125	
625	
3,125	

# Improving Long-Term Impact



# Selling an Idea

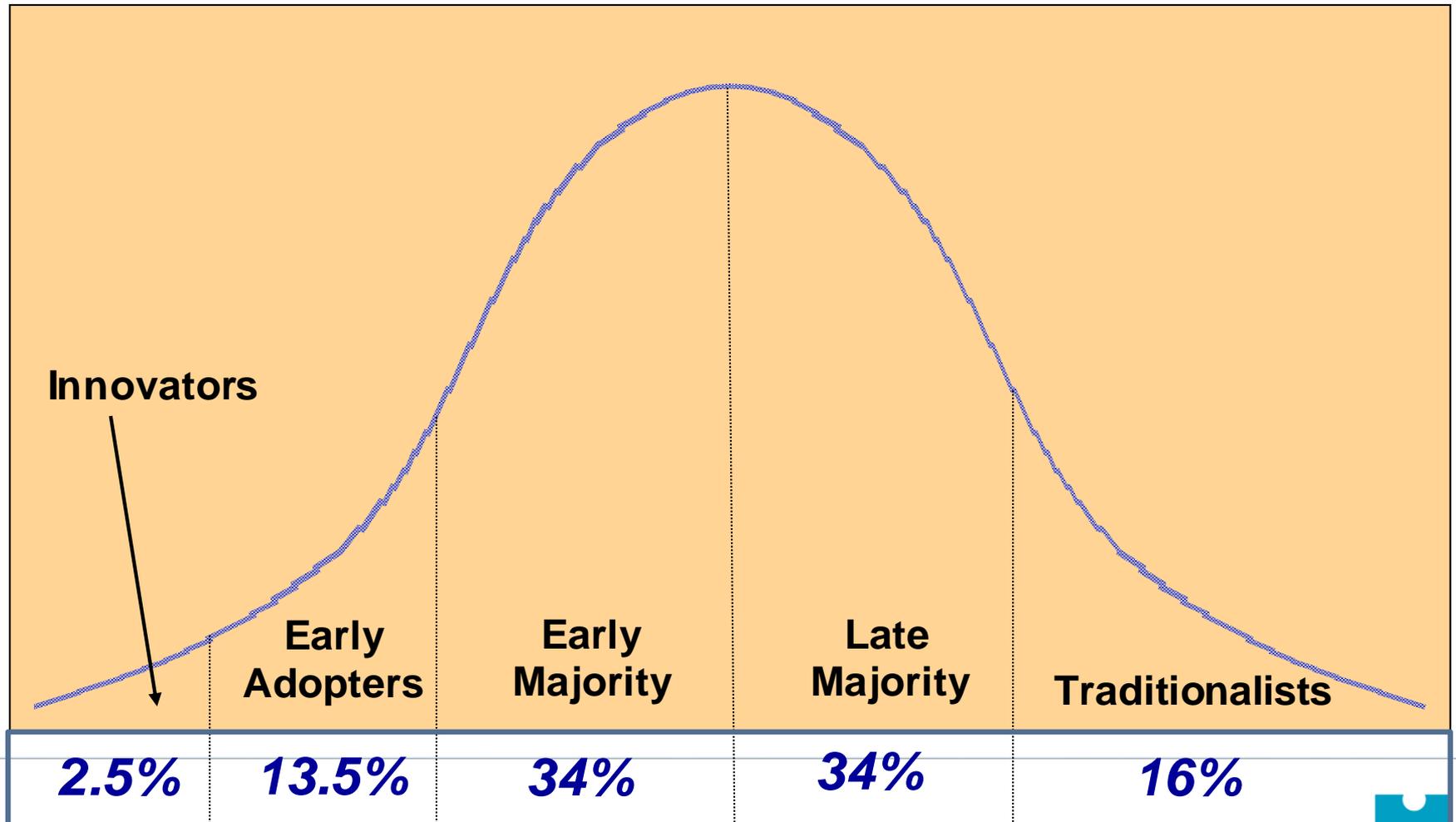
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## Needed:

1. A volunteer with a good idea
2. A group of potential adopters



# Adopter Categories



Source: Rogers, 1995



# Attributes of an idea that facilitate adoption



Relative  
Advantage



Simple



Trialable



Compatible



Observable

Most influential in rate of spread



Relative Advantage



Simple



Trialable



Compatible



Observable



# Simple



**Your Conversation Starter Kit**

When it comes to end-of-life care, talking matters.

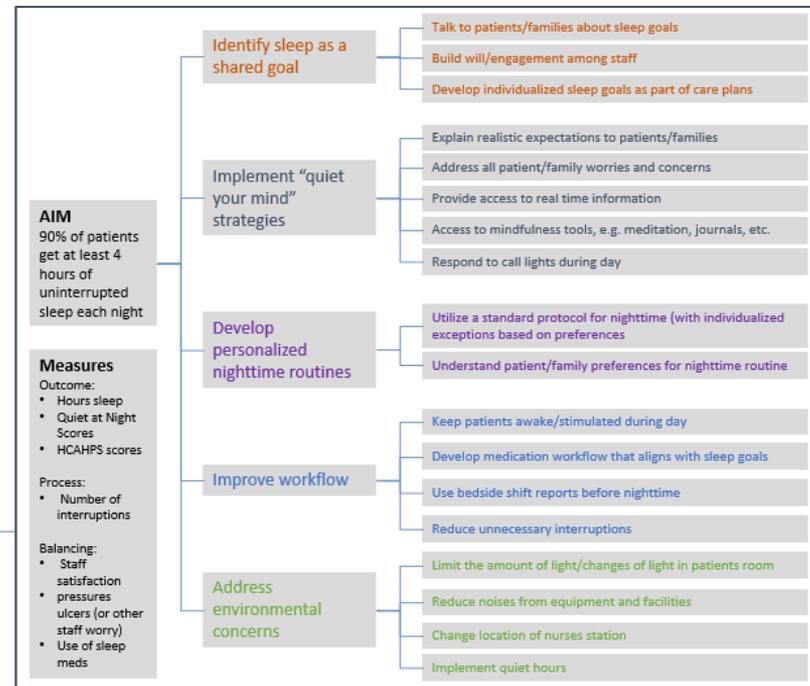
 Institute for Healthcare Improvement

 the conversation project

CREATED BY THE CONVERSATION PROJECT AND THE INSTITUTE FOR HEALTHCARE IMPROVEMENT

## 100,000 Homes: “Simple Rules”

- Housing First
- Know Everyone by Name
- Track Your Progress (by Name)
- Housing Systems are Simple and Easy to Navigate



# Hard core, soft periphery

Rapid Response Systems		
Technical Specifications	Large, academic medical center	Small, rural hospital
Anyone can easily sound an alarm if they see a deteriorating patient	Number to call	Staff approach Nurse Director
Team of individuals can respond very rapidly	Physician, nurse, respiratory therapist available and on call	Nurse Director or sub (on off days) is available to respond at any point
Individuals have the training and skills to evaluate and stabilize the patient	Team goes through extensive training and simulations quarterly	Nurse Director with 20+ years experience
Necessary supplies are available immediately, at the point of care	Rapid response system “pack” ready to go	Materials are readily restocked at nursing station

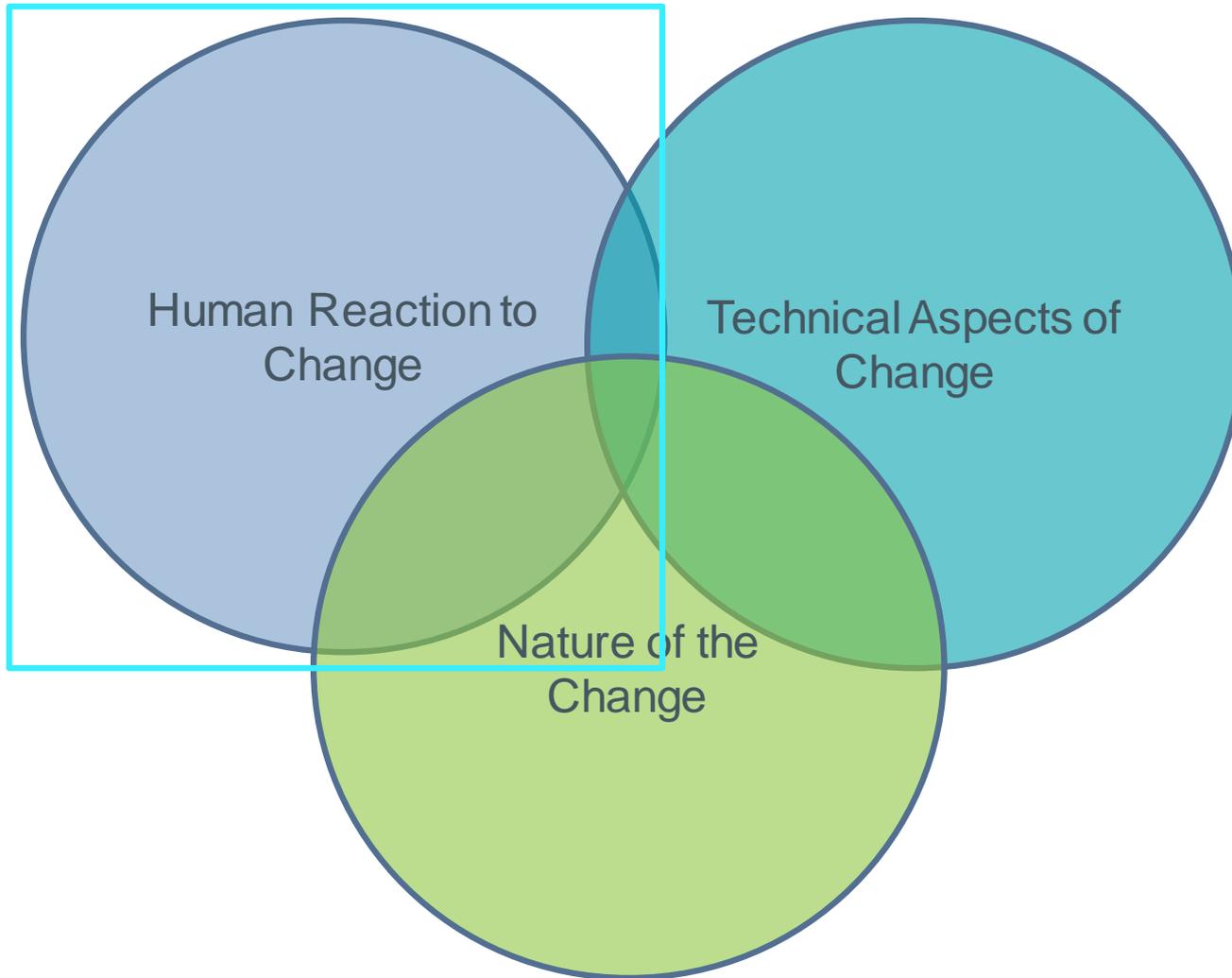


# Worksheet: Assess the Readiness of an Idea for Rapid Spread

Change/Improvement/Intervention: \_\_\_\_\_

Attribute	Score (1 – 5)	Actions to Take
<b>Relative advantage</b> (i.e., how strong is the evidence that the change is better than the old way)		
<b>Compatibility with current system</b> (i.e., how well does it fit the current structure, values, and practices)		
<b>Simplicity of the change</b> (i.e., how easy is the change to adopt)		
<b>Testability</b> (i.e., can people try it)		
<b>Observability</b> (i.e., can people see it before trying it)		
<b>Hard core, soft periphery</b> (i.e., to what extent can individuals customize to their context)		

# Improving Long-Term Impact



“Think how hard physics  
would be if particles could  
think.”

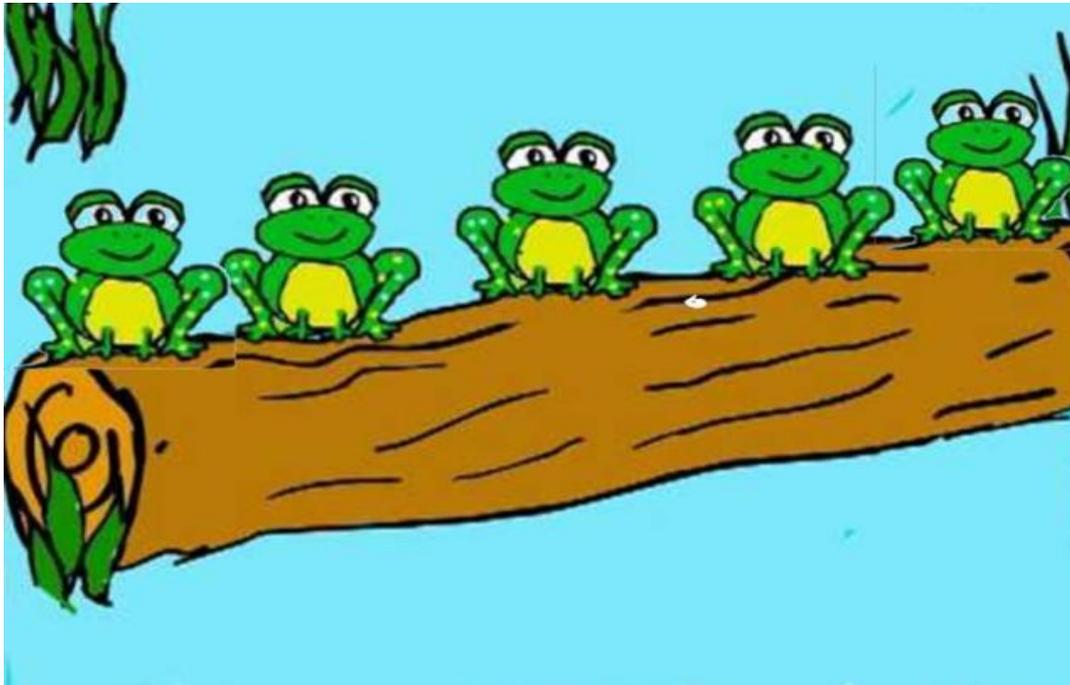
*Nobel Laureate Murray Gell-Mann*



# Challenge question for today!

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There are five frogs on a log. Five decide to jump in. How many frogs are left on the log?



# Human reaction to change

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- How people react to change
- The message: why and how
- The messenger
- Other levers
- What if people still won't change



# How people react to change

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- **Resistance:** an emotional or behavioral response to real or imagined threats to the work routine
- **Apathy:** feeling or showing little or no interest
- **Compliance:** publicly acting in accord with social pressure while privately disagreeing
- **Conformance:** a change in behavior or belief as a result of real or imagined group pressure
- **Commitment:** the state of being bound emotionally or intellectually to a course of action



# The message: why

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- What motivates you doesn't motivate employees (~20% across dimensions)
- Motivations:
  - Company
  - Society
  - Customer
  - Personal gain
  - Working team



# The message: why (example)

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- **Company:** Team-based care is the only way our primary care practice is going to survive in the new payment environment.
- **Society:** Team-based care is the future of health care—better health at lower cost. This is vital given that health care is too much of the GDP and chronic conditions are continuing to rise.
- **Customer:** Team-based care creates better outcomes for our patients.
- **Personal gain:** Team-based care means better work-life balance for all of us. It also makes us more likely to hit pay-for-performance metrics and, therefore, our bonus.
- **Working team:** Team-based care means your teams will be able to be more coordinated and benefit from greater communication, coordination, and space to problem solve together.



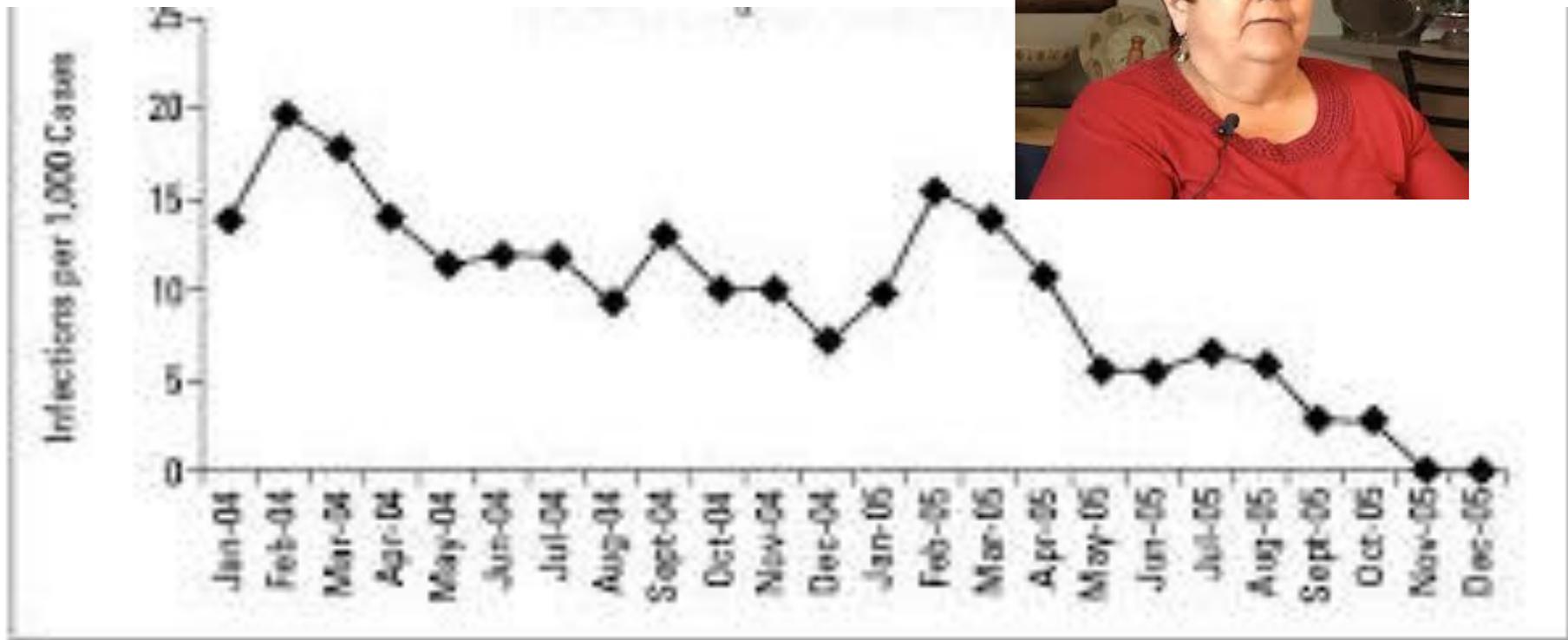
# The message: other tips

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- Create dissatisfaction with current state
- Relentlessly communicate direction
- Express excessive faith in success
- Empathize with anxiety
- Make it personal:
  - Logistical implications of change (e.g., where will I sit)
  - Clear message on what I will be doing differently
  - How will this make my job easier?



# Create a burning platform



# The message: how

Raise  
Awareness

Shape  
Behavior

## General Publications

- Flyers
- Newsletters
- Videos
- Articles
- Posters

## Personal Touch

- Letters
- Cards
- Postcards

## Interactive Activities

- Telephone
- Email

## Public Events

- Fairs
- Conferences
- Exhibitions
- Meetings

## Peer-to-Peer

- Communities of practice
- Shadowing
- Visits
- Mentoring



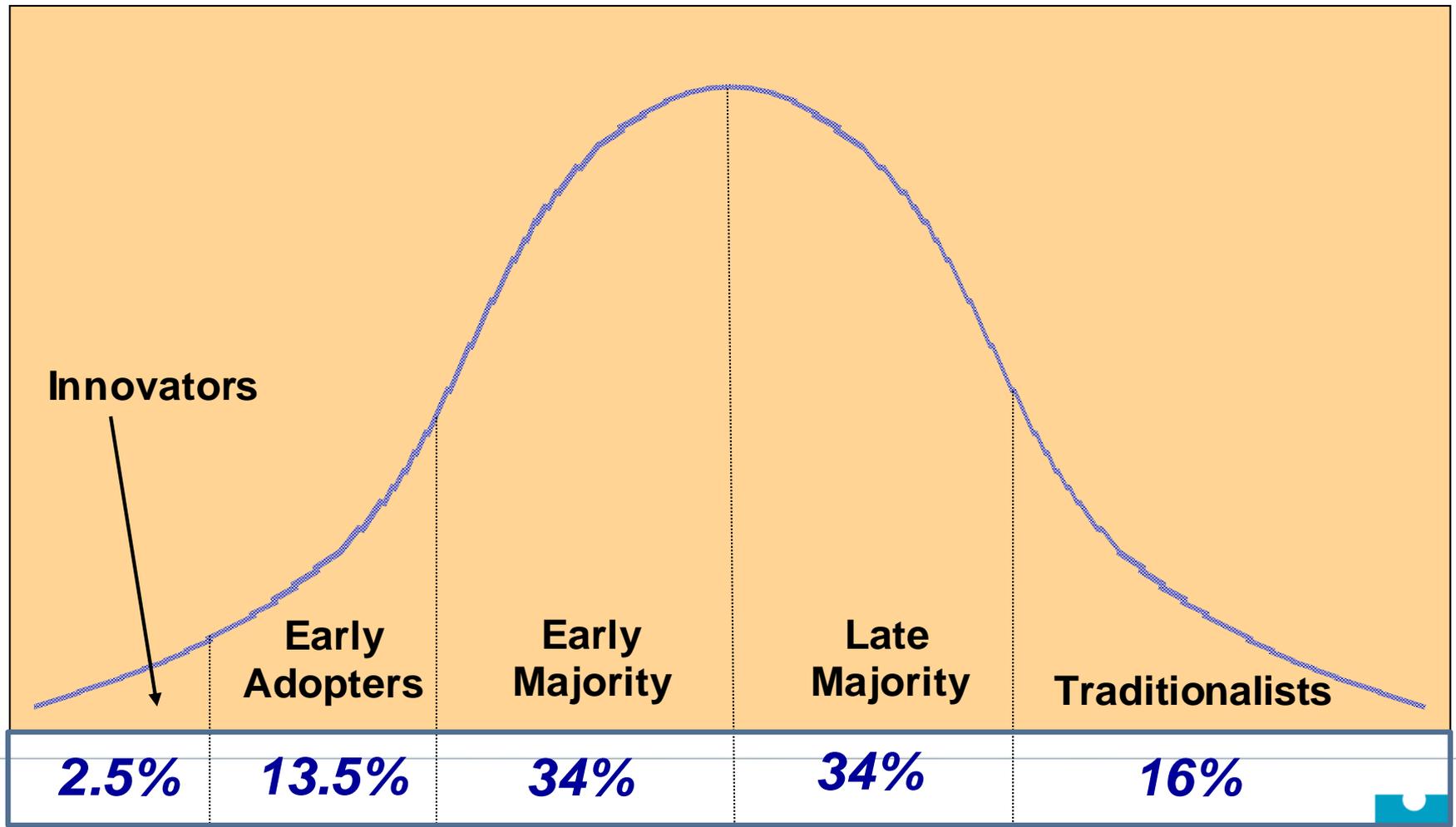
# The messengers

---

- Include influencers/opinion leaders
- To identify opinion leaders:
  - Survey (Whom do you go to for advice and information about \_\_\_\_?)
  - Discussion and observation within the social system
- Testing teams should be front and center
- Understand the nature of networks



# Adopter Categories

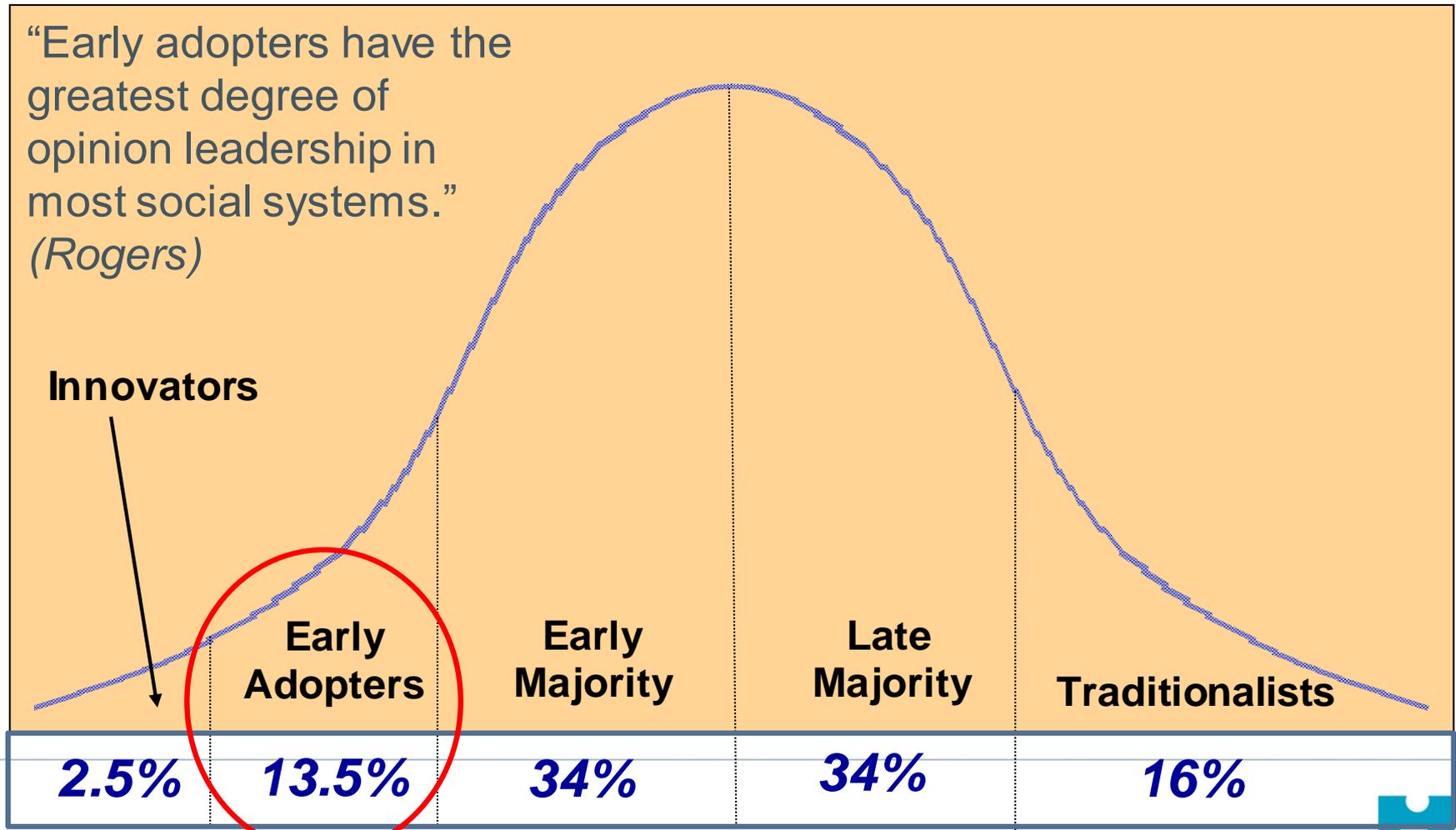


Source: Rogers, 1995



# Adopter Categories

“Early adopters have the greatest degree of opinion leadership in most social systems.”  
(Rogers)



Source: Rogers, 1995



# Leverage the recognition economy

## Fully Committed List

**100,000  
HOMES**  
August 2013

### Fully Committed List Criteria:

- 1) The community has completed a Registry Week or uses a similar method of knowing everyone by name, AND
- 2) The community has reported every month for at least the last three months, even if they have not housed anyone

## 2.5% Club

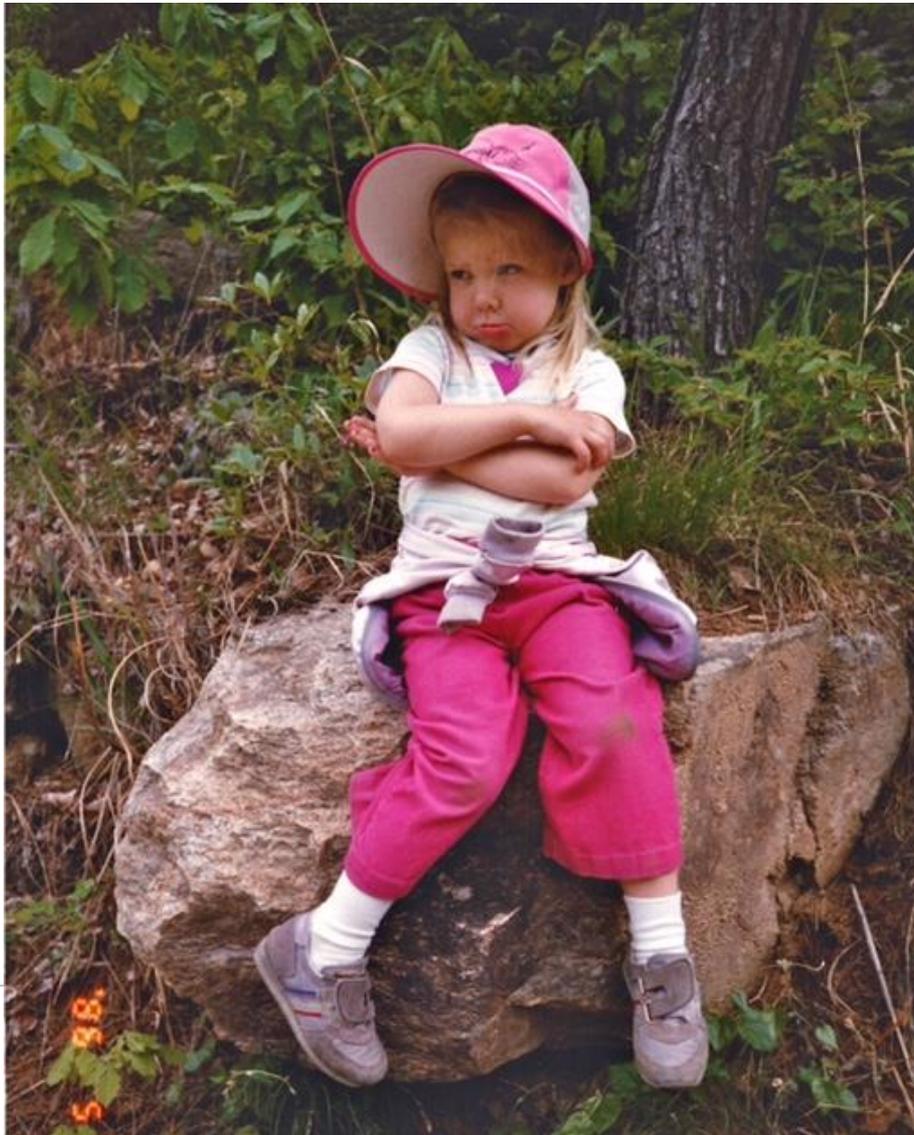
Atlanta, GA	Maricopa County, AZ
Baltimore, MD	Memphis, TN
Bellflower, CA	Monroe, LA
Bergen County, NJ	Nashville, TN
Boston, MA	New Orleans, LA
Bridgeport, CT	New York, NY
Central Louisiana - Alexandria, LA	North Hollywood/Sun Valley, CA
Central Mississippi, MS	Oklahoma City, OK
Charlotte, NC	Philadelphia, PA
Chesapeake, VA	Pinellas County, FL
Chicago, IL	Pittsburgh, PA
Delaware	Portland, OR
Denver, CO	Portsmouth, VA
Erie County, NY	Prince William County, VA
Forsyth County, NC	Richmond, VA
Fresno, CA	Salt Lake County, UT
Glendale, CA	San Francisco, CA
Houston, TX	Santa Monica, CA
Indianapolis, IN	Shreveport, LA
Jacksonville, FL	Suburban Cook County, IL
Kansas City, MO	Tallahassee, FL
Kern County, CA	Treasure Coast, FL
Lafayette, LA	Tulsa, OK
Lake Charles/SW Louisiana, LA	Whittier, CA

\*These communities have been housing at least 2.5% of their chronic and vulnerable population for 3 consecutive months. They are also on the Fully Committed List.



# What if people still won't change?

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# Tips

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- **Start with the end in mind.** Develop a clear aim for your expansion efforts (i.e., what are you trying to take to scale and why it's important, who you need to reach, when you need to accomplish this, and what level of system performance do you expect to achieve).
- **Avoid “pilot-itis”** by working through the sequence of activities in the Scale-up Framework (i.e., anticipating and addressing methods you need to both promote adoption and develop system supports for the change).
- **Match your activities and methods to each phase of scale-up** (e.g., how might you engage a small number of sites in the Scalable Unit Phase? How would you select the sites?)
  - Consider a range of methods to support going to full scale (e.g., Campaigns, BTS Collaboratives, wave sequence, extension agents)
- Remember to include **strategies to foster adoption and build infrastructure** at each phase of scale-up
- **Learn your way to full scale.** It is an iterative learning experience. Don't be afraid of the feedback loops!



# Additional Resources

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- Chapter 9 – Langley GL, Moen R, Nolan KM, Nolan TW, Norman CL, Provost LP. *The Improvement Guide: A Practical Approach to Enhancing Organizational Performance* (2nd Edition). San Francisco, California, USA: Jossey-Bass Publishers; 2009.
- Barker PM, Reid A, Schall MW. A framework for scaling up health interventions: Lessons from large-scale improvement initiatives in Africa. *Implementation Science*. 2016 Jan;11(1):12. (Available on [www.IHI.org](http://www.IHI.org))
- Massoud MR, Donohue KL, and McCannon CJ. Options for Large-scale Spread of Simple, High-impact Interventions. Technical Report. Published by the USAID Health Care Improvement Project. Bethesda, Maryland: University Research Co., LLC; 2010. (Available on [www.IHI.org](http://www.IHI.org))
- Massoud MR, Nielsen GA, Nolan K, Schall MW, Sevin C. *A Framework for Spread: From Local Improvements to System-Wide Change*. IHI Innovation Series white paper. Cambridge, MA: Institute for Healthcare Improvement; 2006. (Available on [www.IHI.org](http://www.IHI.org))
- Sodzi-Tettey S, Twum-Danso NAY, Mobisson-Etuk N, Macy LH, Roessner J, Barker PM. *Lessons Learned from Ghana's Project Fives Alive! A Practical Guide for Designing and Executing Large-Scale Improvement Initiatives*. Cambridge, Massachusetts: Institute for Healthcare Improvement; 2015. (Available on [www.IHI.org](http://www.IHI.org))

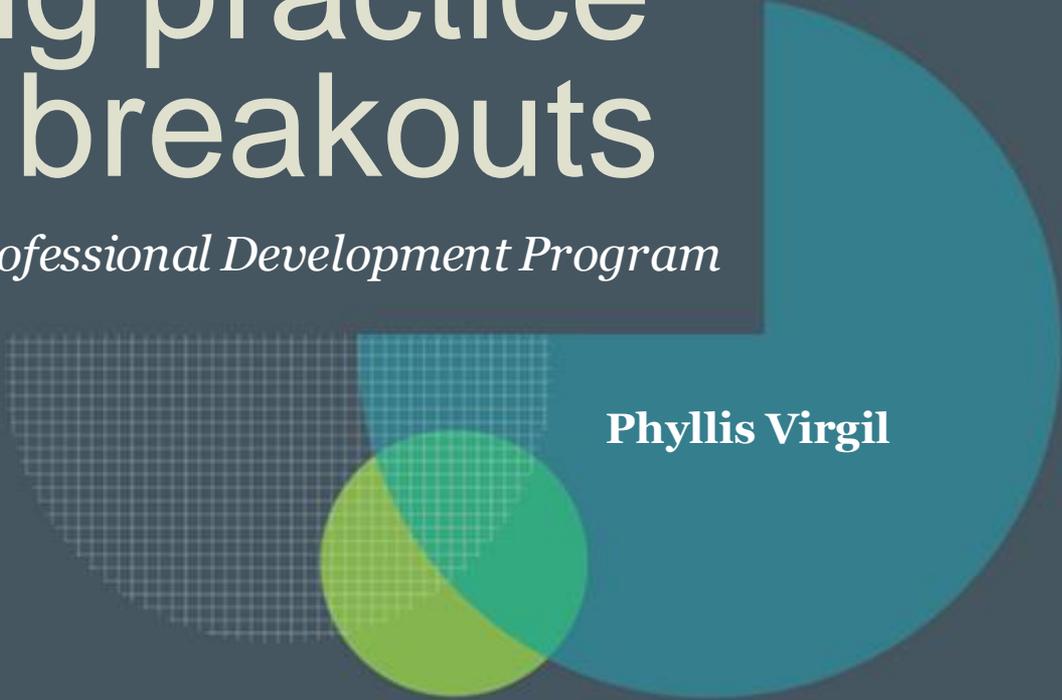


# Lunch



# The art of coaching: Coaching practice round 2 breakouts

*Improvement Coach Professional Development Program*



**Phyllis Virgil**

Break



Debrief Coaching  
Practice:  
Report out key  
learnings



# Graduation (almost)!

*Improvement Coach Professional Development Program*



**Karen Baldoza**

# Session objectives

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- Reflect on and CELEBRATE your progress!
- Summarize next steps



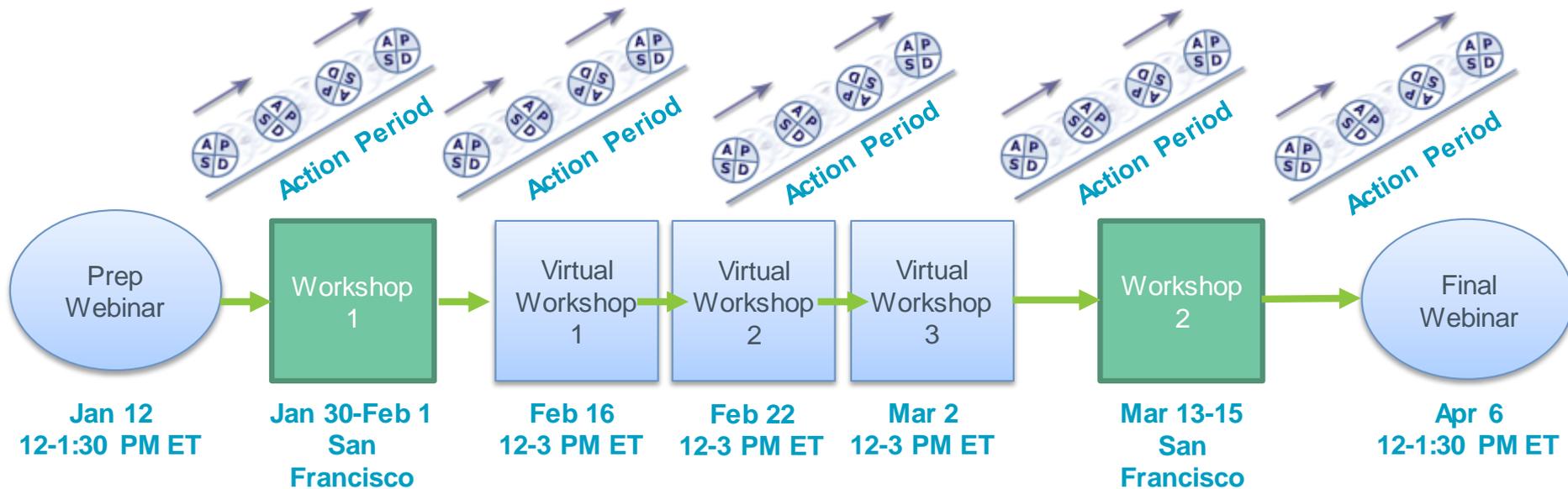
# Session agenda

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Topic	Time
Overview and individual reflection on progress	10 minutes
GRADUATION (almost)!	15 minutes
Group reflection	10 minutes
Next steps	5 minutes



# Program design and key dates



## Model for Improvement



## Support

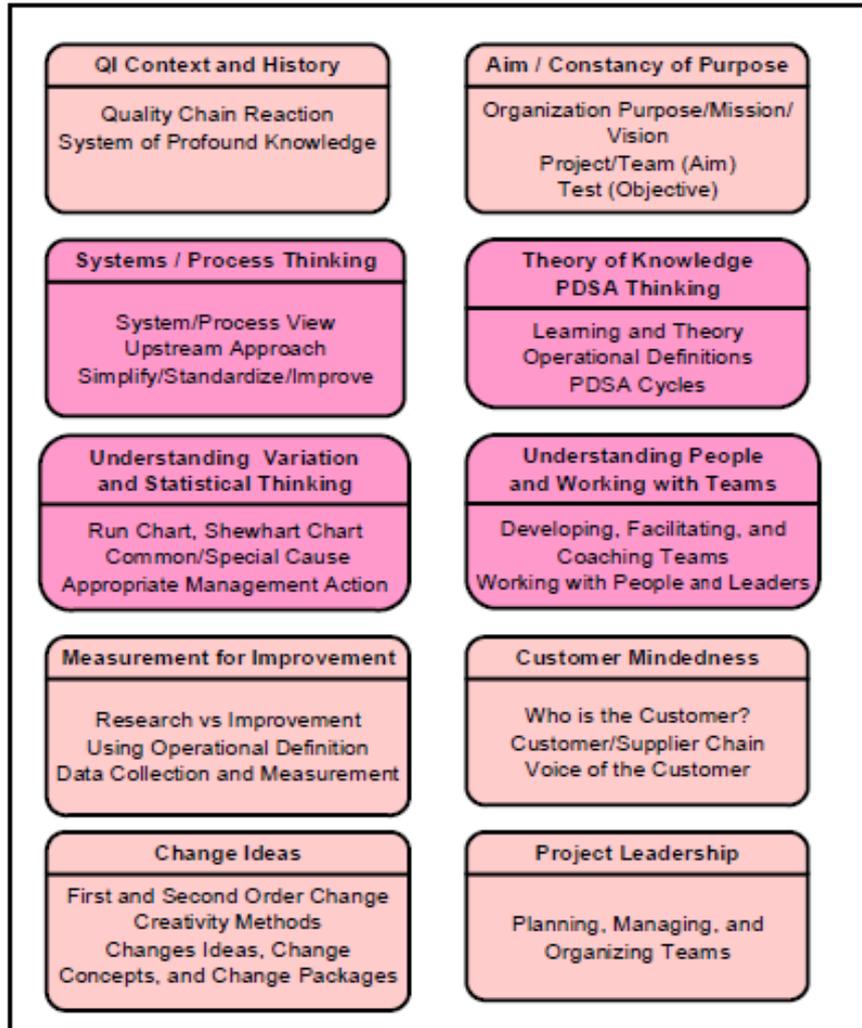
**IHI.org**      **Email distribution list**      **Faculty consults**

**Coaching feedback from fellow coaches and faculty**



# Curriculum framework

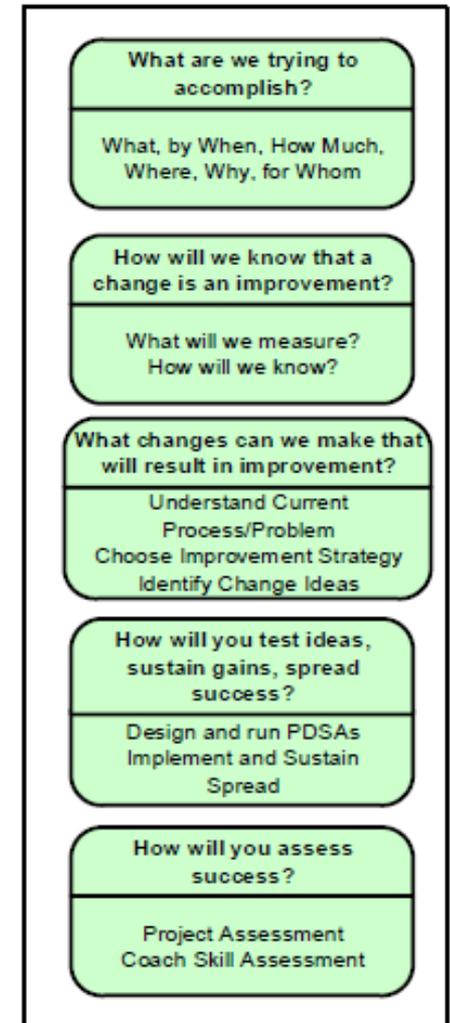
## THE BUILDING BLOCKS



## THE CORE



## THE ENGINE – Model for Improvement



# This program is designed to help you...

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- Understand the science of improvement and use the Model for Improvement as a roadmap for improvement projects
- Coach improvement teams on how to develop, test, and implement changes including identifying high-leverage change ideas and testing them using PDSA cycles
- Become skilled in how to use data for improvement and other key quality improvement tools
- Build skills in team facilitation, communication, decision making, and understanding team culture
- Apply just-in-time teaching of improvement skills to team members in order to advance the team's work
- Leave with a specific plan for how you will continue coaching your team and prepare yourself to coach subsequent teams
- Learn concepts of implementation, sustainability, and scale-up



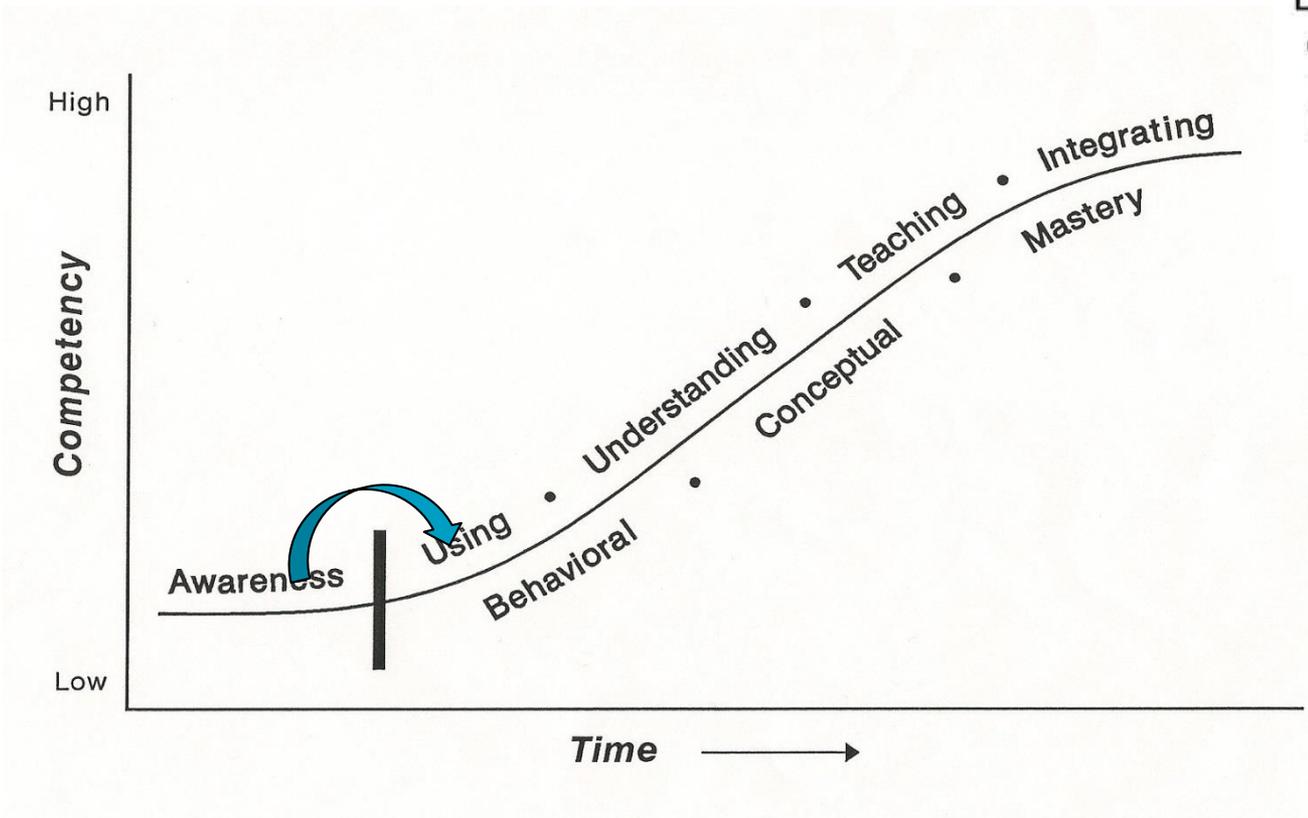
# The aim of this program is to...

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Further develop your improvement knowledge and skill so you can coach and facilitate improvement teams as well as support the implementation of improvement strategies throughout your organization.



# So, where are you on your coaching journey?



Learning is not compulsory...

neither is survival



W. Edwards Deming



Time to  
celebrate!



The learning, the  
spirit,  
the fun!



# Improvement Coach Professional Development Program Winter 2017 Class

*It's been a great journey!*



# Your reflections...

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- What has been the impact of the IC Program for you professionally?
- What has been the impact of the IC Program for you personally?
- What is your biggest takeaway; what do you do differently now?



A vibrant display of colorful fireworks exploding in a dark night sky. The fireworks are in various colors including red, green, blue, purple, yellow, and white, creating a festive and celebratory atmosphere. The text is overlaid on the top portion of the image.

**Congratulations Improvement Coaches!!**

**The journey continues.....**

# Next steps

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- Repeat self-assessment
- Repeat MUSIQ score
- Final Webinar – April 6, 12-1:30 PM Eastern
  - Reflect on self-assessments and MUSIQ scores
  - Selected project presentations
  - Close-out



# Words to work and live by...

*"Quality means doing it right when no one is looking."*  
- Henry Ford

*"All work is a process."*  
- Phil Crosby

*"It is not enough to do your best. You must first know what to do, and then do your best."*  
- W. Edwards Deming

*"Quality is never an accident; it is always the result of high intention, sincere effort, intelligent direction, and skillful execution. It represents the wise choice of many alternatives."*  
- William A Foster

*"Be a yardstick for quality. Some people aren't used to an environment where excellence is expected."*  
- Steve Jobs

*"In the race for quality, there is no finish line."*  
- Eliyahu Goldratt

