



Process Improvement *for the Heart Failure patient*

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Learning Objectives

- Involve participants in local heart failure improvement initiatives
- Introduce the improvement framework as a tool to facilitate future efforts
- Identify means of successfully implementing change and finding new opportunity

Systems
Redesign

Questions for Consideration

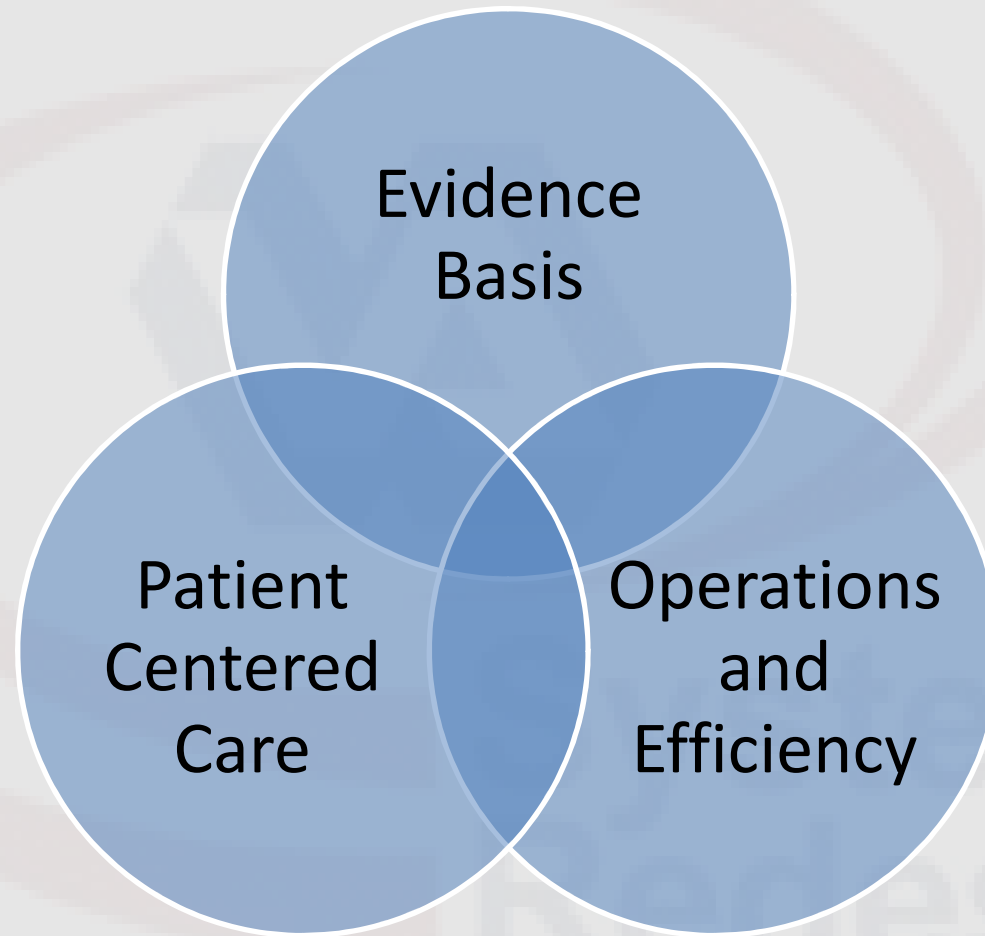
What are the most effective steps we can take as an organization to improve the care of the CHF patient?

Systems
Redesign

Common Answers

- Improved adherence to guidelines/evidence basis
- Deliver further advanced therapies (e.g. LVAD)
- Decrease admissions/readmissions/keep more care in the home
- Improve collaborative decision making regarding goals of care
- We already do a pretty good job!

Domains of Improvement



VA-TAMMCS

Identifying A Framework

- Vision > Identify Values
- Analysis > Enumerate Priorities
- Team > Interdisciplinary, Front Line
- Aim > Direction, Leadership
- Map > Understand our Work
- Measure > Chart Progress
- Change > Active, Rapid Cycle
- Sustain > Plan for Lasting Effect

One Way

V A T A M M C S

*Vision
Analysis*

*Make
Changes*

*Sustain
Spread*

*“Deciding
Phase”*

*“Doing
Phase”*

*“Keep Doing
Phase”*

Improvement Framework

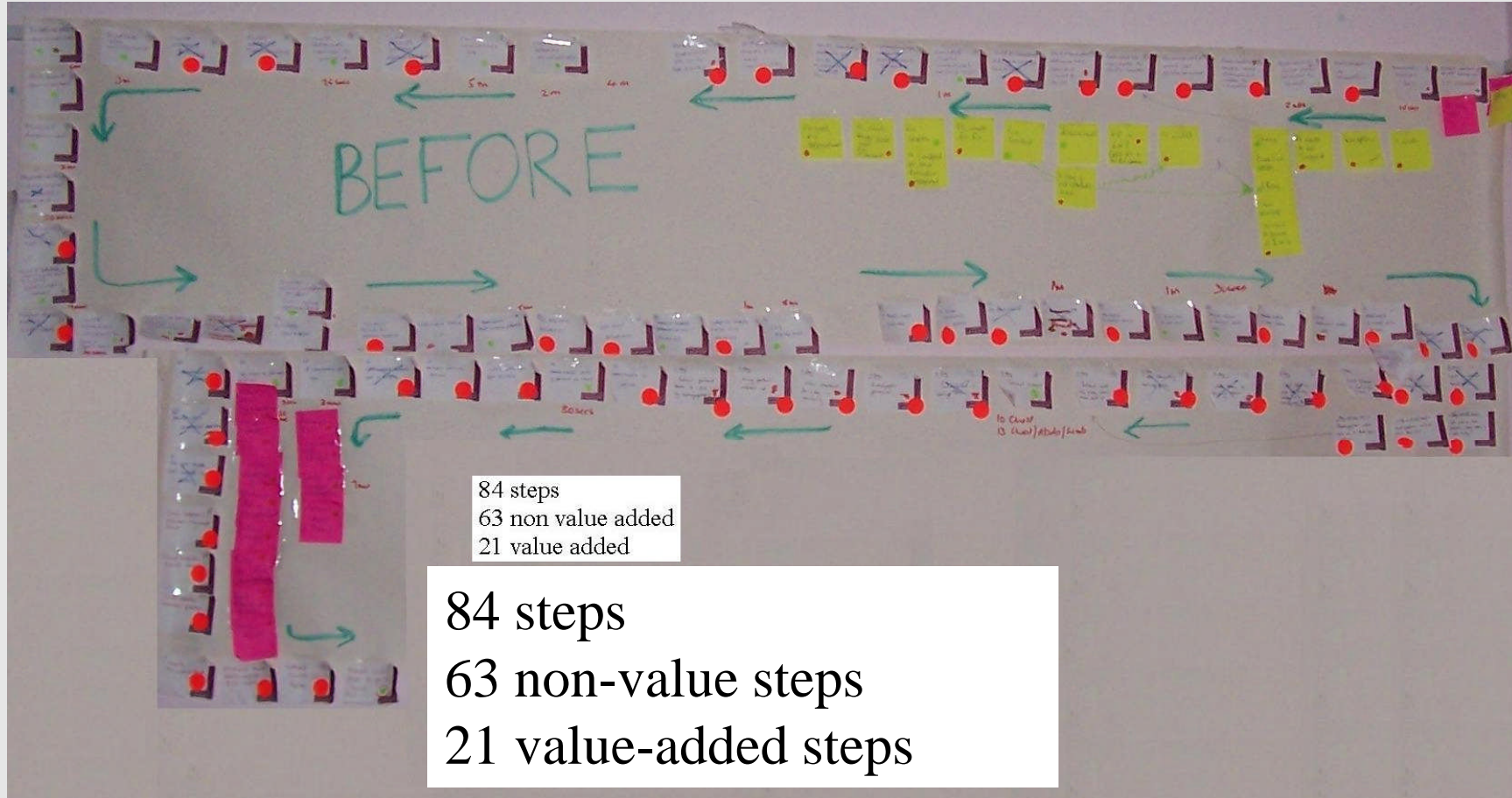
VA

Project Selection Matrix Tool is a useful way to choose a project

Criteria	Project			
	1	2	3	4
Likelihood of Success	5	10	8	10
\$\$ Impact (cost or revenue)	10	5	6	1
Patient Satisfaction	10	4	5	10
Employee Satisfaction	10	2	5	10
Completion in 4-6 weeks	1	10	10	10

Improvement Framework

Map



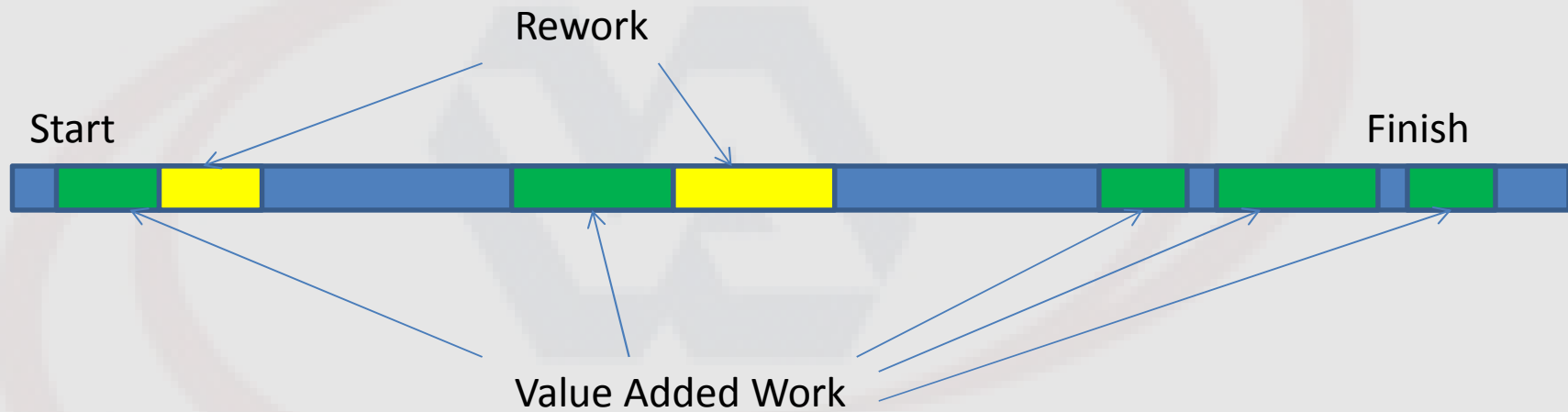
Rédesign

Improvement Framework

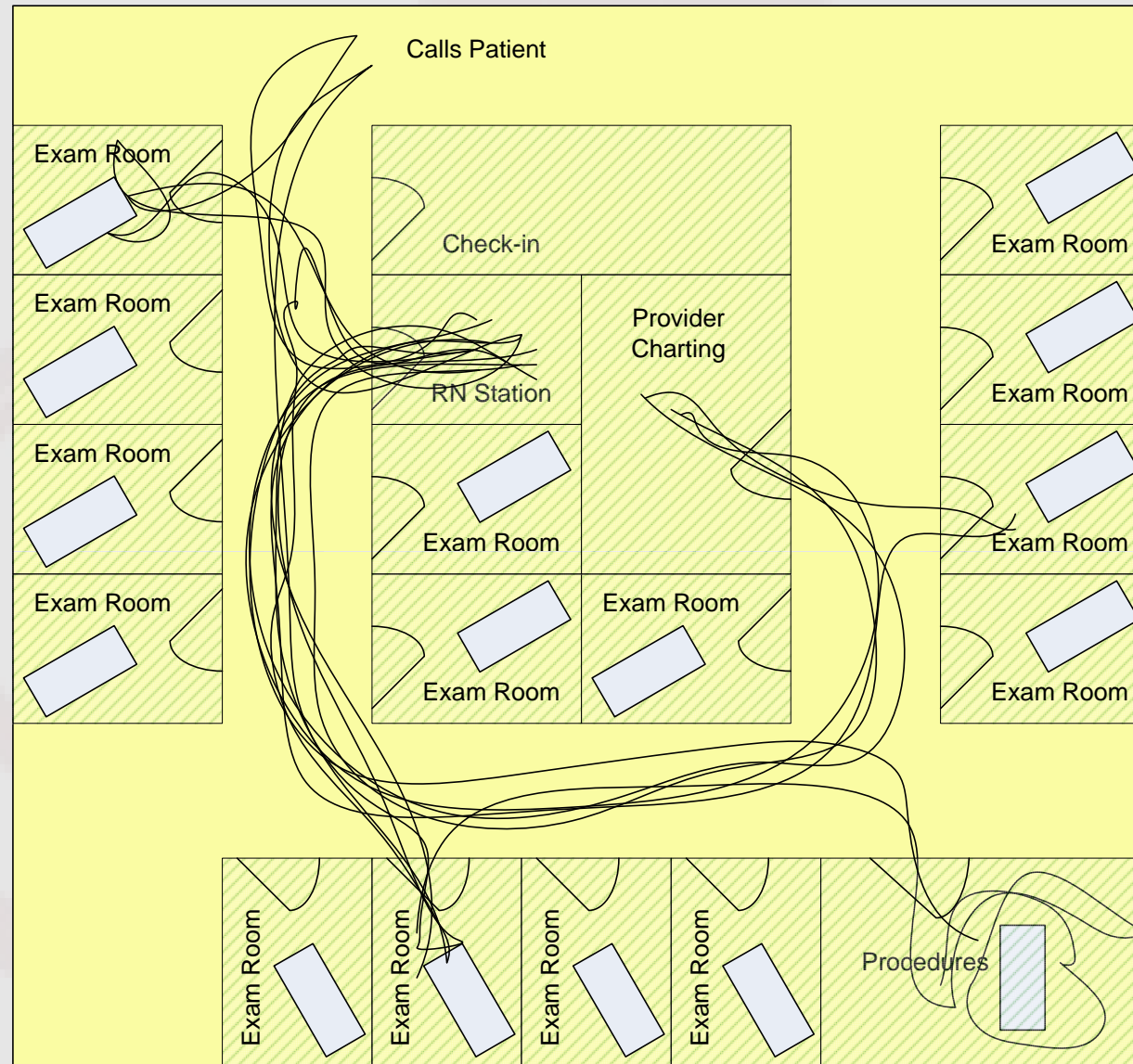
Map



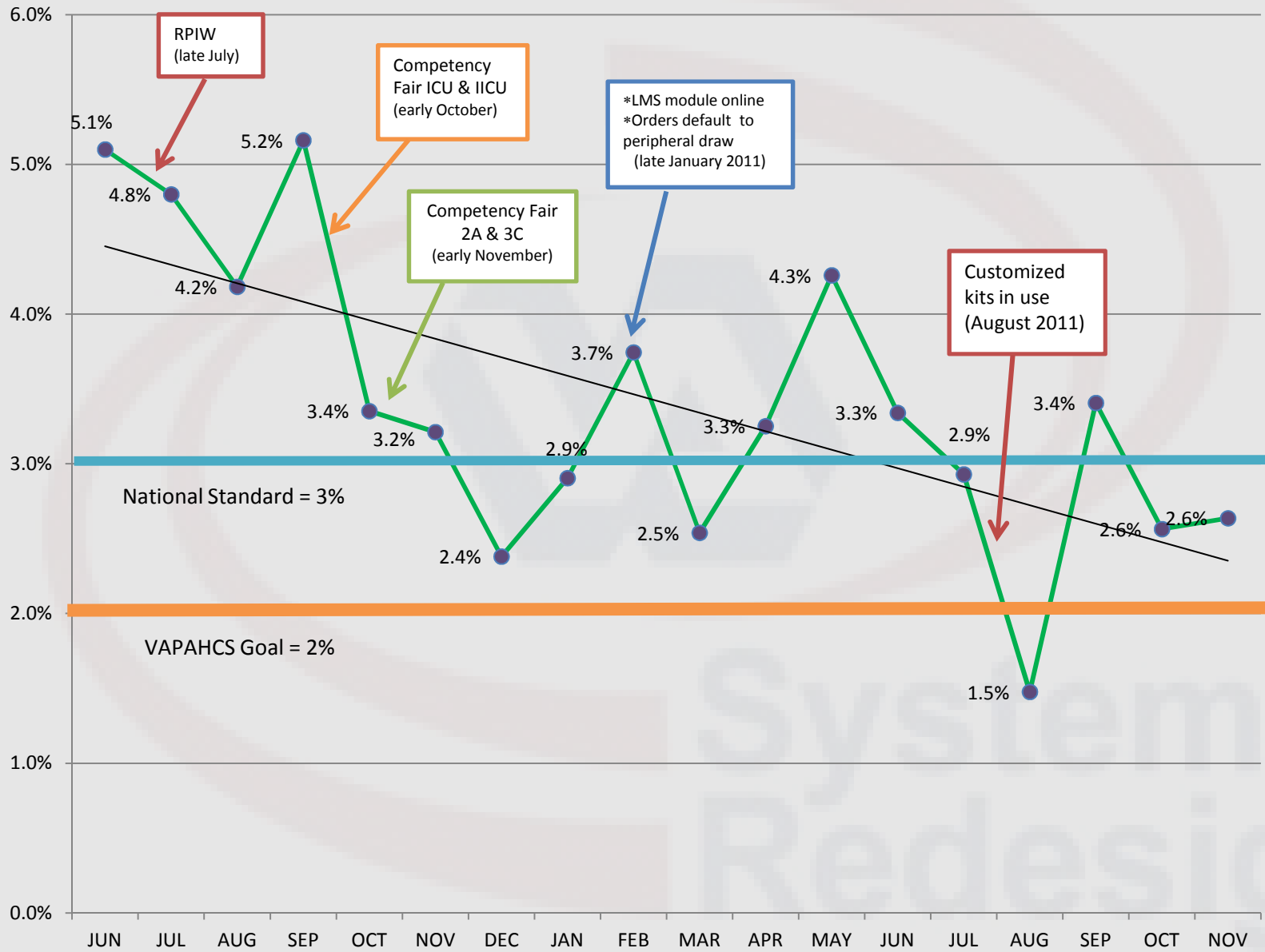
A Typical Healthcare Process



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VAPAHCS Blood Culture Contamination Rate

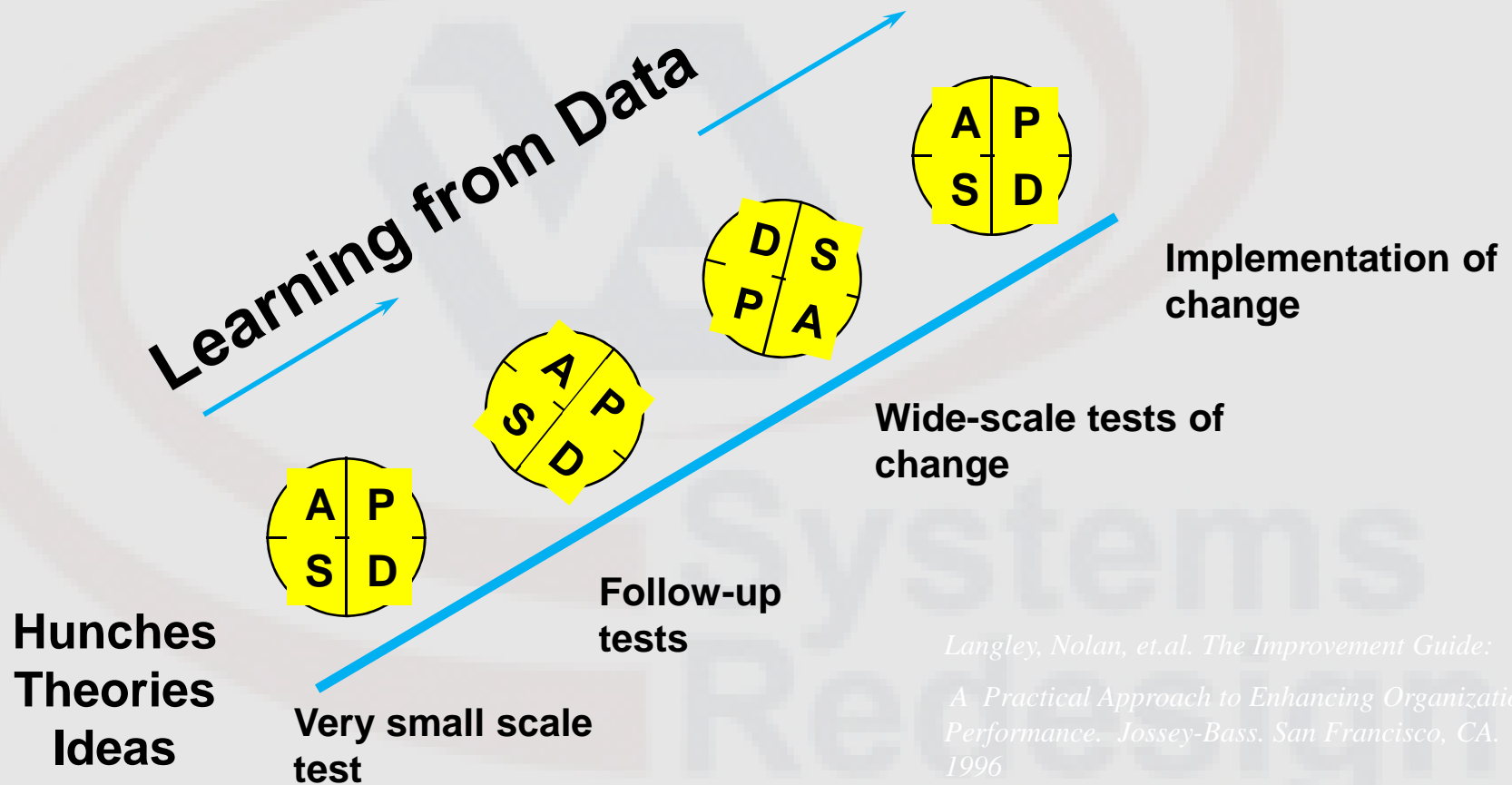


Systems
Redesign

Improvement Framework

Change

PDSA: The “How” to Change

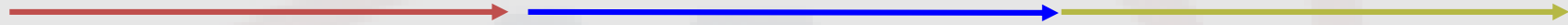


What's the Sequence?

Improvement

Hold Gains

Spread



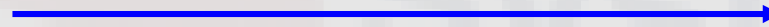
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more like ...

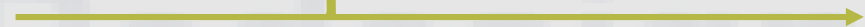
Improvement



Hold Gains



Spread



Source: Institute for Healthcare Improvement (IHI)

Defining “Spreadable”

- Demonstrable Effectiveness
 - Implies formal recording/reporting
- Trialable
- Modular/encapsulated
 - Can I describe exactly what I did? Can I turn it into a “kit”
- Low “cost” (expense, easy)
 - Can the new innovation actually become the path of least resistance

Rules of Diffusion

(by Donald Berwick)



- Identify changes that are ready to spread
- Find innovators and support them
- Invest in early adopters and allow communication with innovators
- Make early adopters observable
- Allow re-invention of innovation
- Trust and enable innovation

Local Initiatives

- CHF Process Improvement Team
 - Initial goal of improving patient education in CHF
 - Scoped to inpatient and outpatient domains
 - Valuable output, valuable lessons of scope and “rapid cycle change” practice
- ARC Collaborative/Project RED
 - Overlapping “vision” of fewer readmission
 - Compelling blend of evidence and implementation science

Admission – Congestive Heart Failure

Your Self-Management Tool for Hospital Stay



Instructions to the Patient: Tracking weight daily is important. Use this flow sheet to work with your team to stay informed and to prepare for discharge.

Your weight at admission is _____ pounds. *Not sure? Ask your nurse or doctor. We are happy to help.*
Daily weights are an excellent way to track control of congestive heart failure.

Step 1: Get Informed

Areas that I would like further education about include (check all that apply):

- | | |
|---|--|
| <input type="checkbox"/> Daily Weights | <input type="checkbox"/> Low Salt Diet |
| <input type="checkbox"/> Warning Signs/Symptoms | <input type="checkbox"/> Medications |

Step 2: Chart Your Progress

Write in your weight daily. If your weight changes by more than 2-3 pounds/day or 5 pounds/week at home, call your doctor.

Date	Date	Date	Date	Date	Date	Date
Weight (lbs)	Weight (lbs)	Weight (lbs)	Weight (lbs)	Weight (lbs)	Weight (lbs)	Weight (lbs)

Step 3: Prepare for Discharge

Answer these questions prior to leaving:

- 1) What is my new target weight? _____ (lbs)
- 2) Do I have a VA scale at home? Yes No (circle one)
If not, ask your doctor to order one.
- 3) What is my water pill and what dose should I take? _____
Discuss this with your doctor before discharge.

Patient Name

Weight

Record Your Weight Each Day in the Squares

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<hr/> <i>Date</i> <hr/> <hr/> <i>Weight (lbs)</i>	<hr/> <i>Date</i> <hr/> <hr/> <i>Weight (lbs)</i>	<hr/> <i>Date</i> <hr/> <hr/> <i>Weight (lbs)</i>	<hr/> <i>Date</i> <hr/> <hr/> <i>Weight (lbs)</i>	<hr/> <i>Date</i> <hr/> <hr/> <i>Weight (lbs)</i>	<hr/> <i>Date</i> <hr/> <hr/> <i>Weight (lbs)</i>	<hr/> <i>Date</i> <hr/> <hr/> <i>Weight (lbs)</i>
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Discharge Home – Congestive Heart Failure

Your Self-Management Tool for Home



Instructions to the Patient: Self care for congestive heart failure is important to keep you out of the hospital. This sheet will help you manage your care.

Step 1: Weigh Daily

My Discharge Weight _____ (lbs) on _____ (date)

Date	Date	Date	Date	Date	Date	Date
Weight (lbs)	Weight (lbs)	Weight (lbs)	Weight (lbs)	Weight (lbs)	Weight (lbs)	Weight (lbs)

Step 2: Take Your Pills

My Water Pills:

Name

Dose

Time of Day

_____	_____	_____
_____	_____	_____
_____	_____	_____

Step 3: Know Your Warning Signs

If you have any of these warning signs, call the Advice Nurse at the Telephone Care Program (TCP) at 800-455-0057.

- 1) Weight gain of more than 2 or 3 pounds in one day, or 5 pounds in one week.
- 2) Increase in shortness of breath.
- 3) Increase in leg swelling.

Bring this sheet to your appointment.

Follow up appointment: _____

Patient Name: _____

Project RED

- Educate the patient throughout the hospital stay
- Make appointments for follow-up prior to discharge
- Hardwire a follow-up plan for pending test results
- Organize post-discharge services
- Medication plan (reconciliation, availability)

Systems
Redesign

Project RED

- Reconcile plan with guidelines and pathways
- Action plan for problems/emergencies
- Ensure a comprehensive discharge summary is available to the “right” people
- “Teachback” of the plan
- Provide a written summary of the discharge plan
- Provide telephone reinforcement of the plan

Source: <http://www.ahrq.gov/qual/projectred/>