

# PDSA

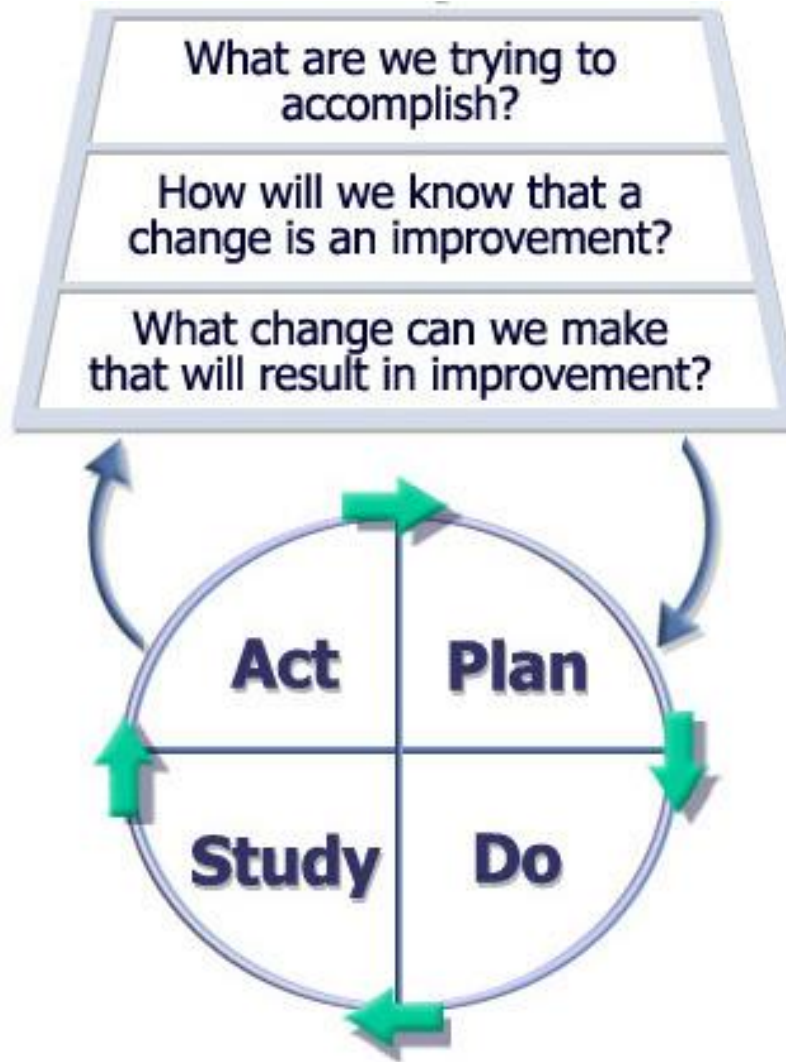
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Changi  
General Hospital

# THE MODEL FOR IMPROVEMENT AND PDSA



**The fuel for learning: Small scale, rapid testing**

\*Developed by the Associates in Process Improvement., building on the work of W.E.Deming and Walter Shewhart  
Langley et al, The Improvement Guide, 2009

# THE PDSA CYCLE

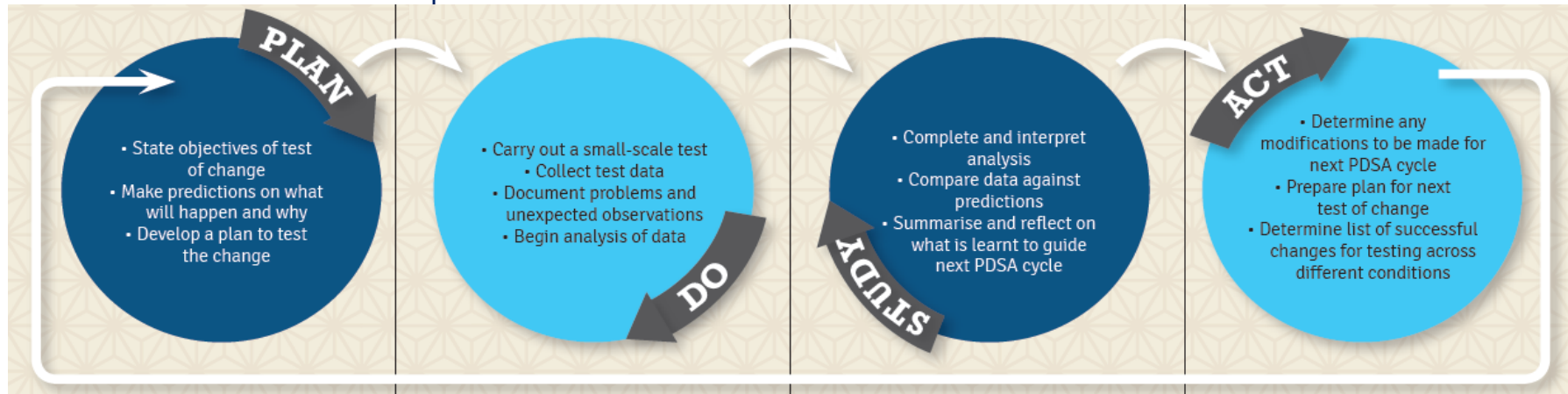


The PDSA (Plan, Do, Study, Act) cycle is used to conduct tests of change in disciplined rapid iterations.

Based on four steps, the cycle can:-

- Lead to early measurable successes,
- Be completed quickly with minimal time and resources
- Offer the team an active means of gaining new information about the system
- Stimulate new and richer change ideas.

The basic four PDSA steps are:-

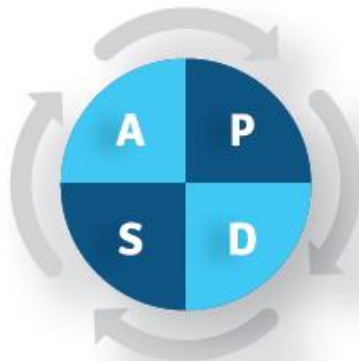


# PDSA CYCLES

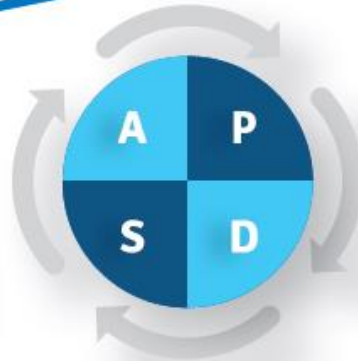
Changes that result in improvement

Evidence and Data

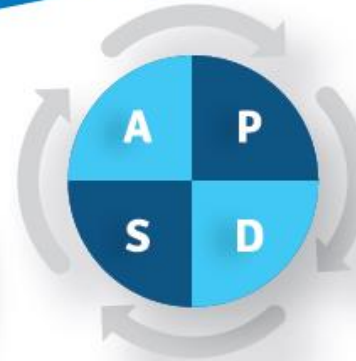
Theories, Ideas and Best Practices



Very small scale



Follow up test



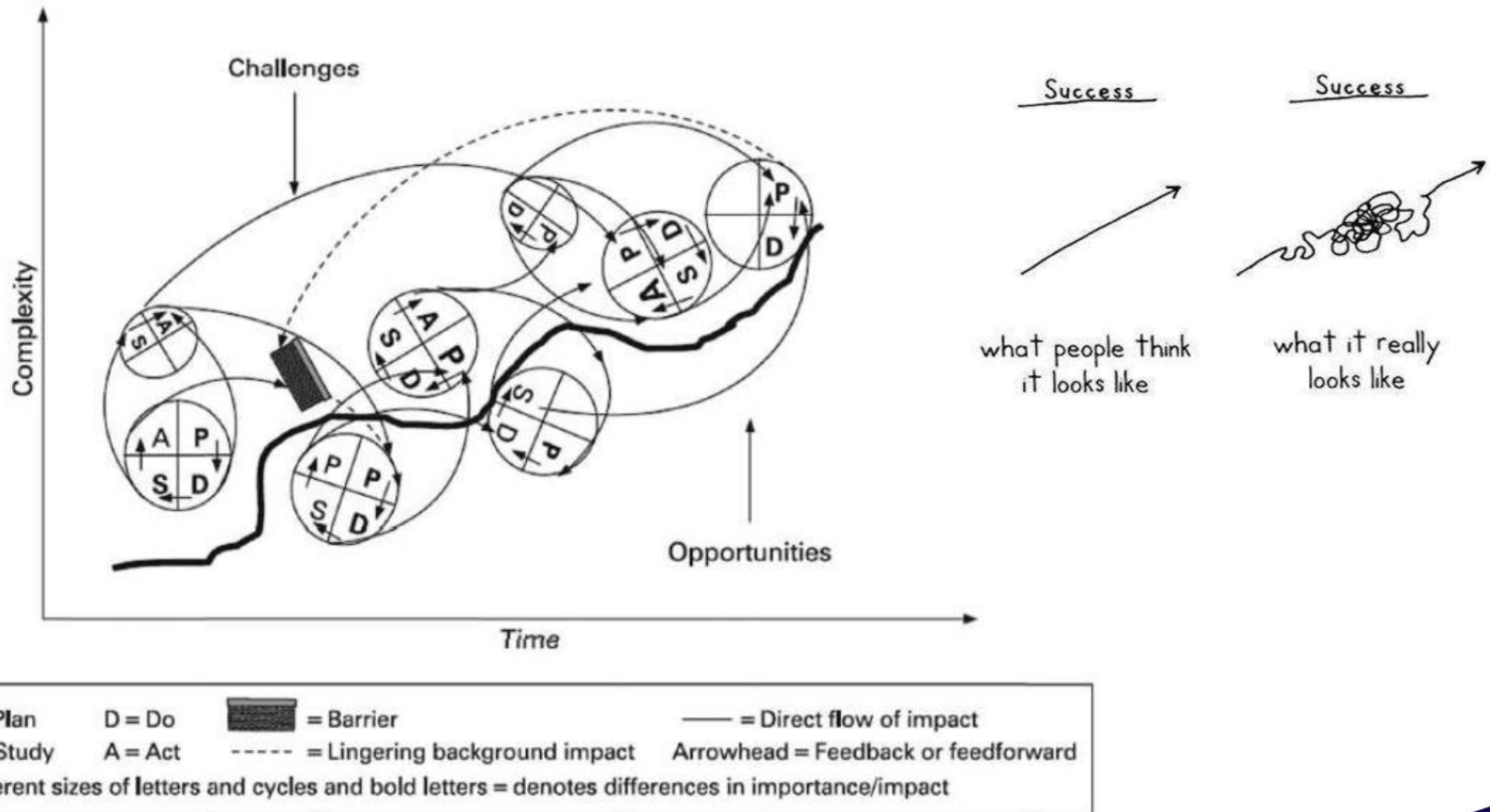
Test under new condition



Wide Scale test of change

- Start from a small scale and progressively step up
- Test out changes in a controlled manner
- Learn more about the system and improve intervention accordingly
- Better buy-in

# THE REALITY THROUGH A PDSA JOURNEY<sup>1</sup>!



Ref: 1 Ogrinc and Shojania 2013

2 Project Venturi, presented at 3<sup>rd</sup> APAC Forum September 2014

# A PDSA TEMPLATE

## Template: PDSA Worksheet

Objective:

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1. **Plan:** Plan the test, including a plan for collecting data.

Questions and predictions:

- 
- 

Who, what, where, when:

Plan for collecting data:



2. **Do:** Run the test on a small scale.

Describe what happened. What data did you collect? What observations did you make?



3. **Study:** Analyze the results and compare them to your predictions.

Summarize and reflect on what you learned:

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4. **Act:** Based on what you learned from the test, make a plan for your next step.

Determine what modifications you should make — adapt, adopt, or abandon:

Source: <http://www.ihl.org/resources/Pages/Tools/PlanDoStudyActWorksheet.aspx>

# Thank You



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