

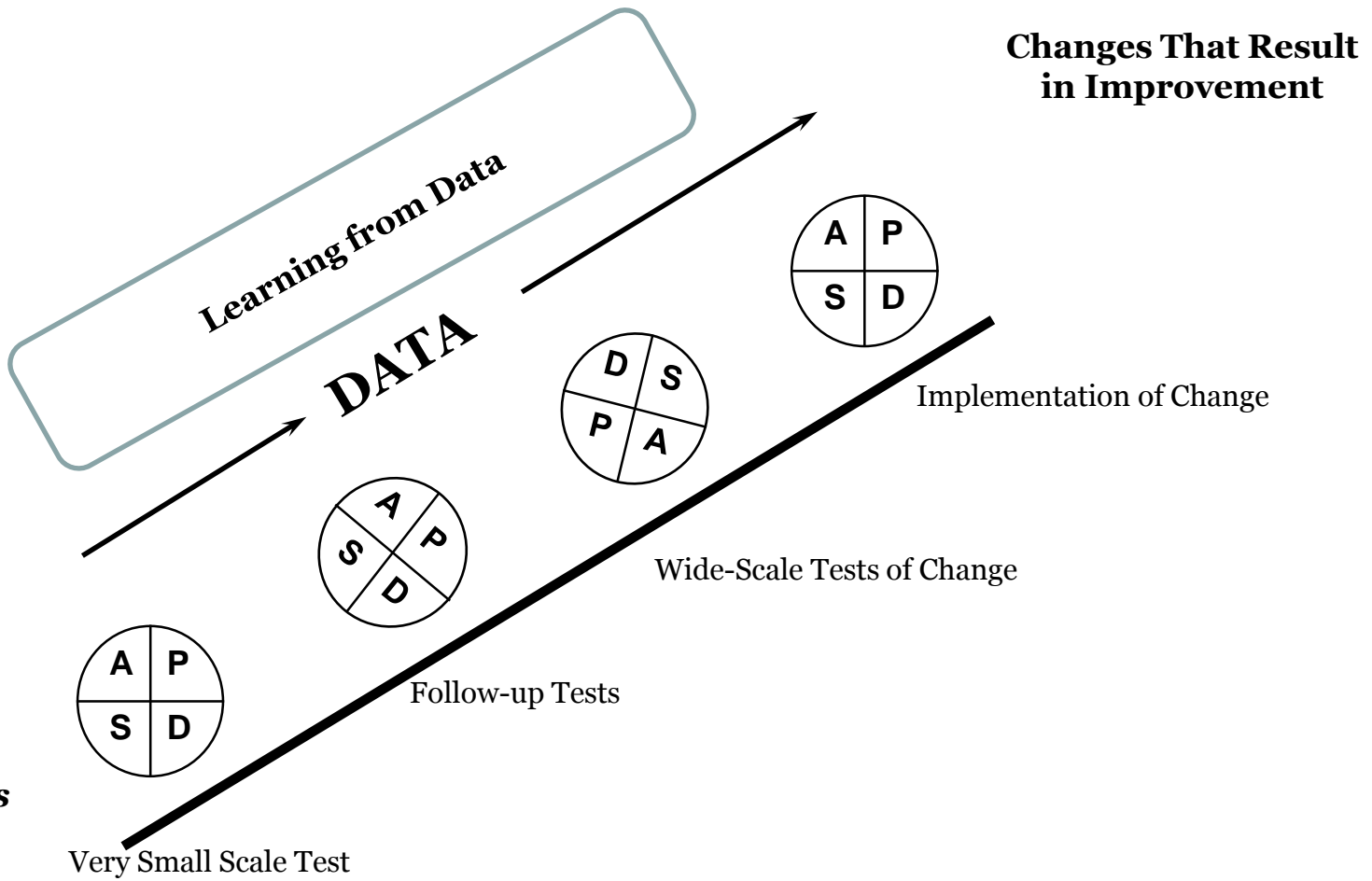
# Rapid Cycle PDSA Testing Activity



April 24, 2018



***Best Practice  
Evidence  
Hunches  
Theories  
Testable Ideas***





# Aim

Aim:

Efficiently and effectively provide reliable care to our patient Mr. Potato Head (aka “Tater”)

Goal:

Put Tater back together **quickly** and **accurately** matching the picture provided.



# Roles

- Teams of 3-4
- Decide who will be
  - Tester/master clinician
  - PDSA documenter
  - Time tracker and accuracy score inspector
  - Data recorder

# Directions

Goal: Put Tater back together **quickly** and **accurately** matching the picture provided.

- As a team, write down the answers to the 'Plan' questions on the PDSA tracking sheet.

# PDSA tracking sheet

	PLAN			DO	STUDY		ACT	
PDSA Cycle #	What change will you test?	What question are you trying to answer?	What do you predict will happen (1 per question)? Predict time and accuracy score	What did you discover while testing? What did you note that was expected/unexpected?	Go back to your measures and questions in your plan. What are the results of your test for each?	What did you learn in this test cycle?	Adopt (how?) Adopt, Abandon	Was anything uncovered that could be an alternative change to test?
Ex.	Organize parts before assembling.	Will organization make it easier to assemble? Will it reduce time to assemble?	Assembly will be easier. Time: 125 seconds, Score 2	Fumbled with parts. Originally sorted by type, but not where they were needed for assembly.	Assembly was easier but still awkward. Time: 115 seconds, Score 3.	Sorting parts where they need to be to aid assembly may reduce delay.	Adapt-sort by type and location for assembly.	Order of assembly may matter.
1								

\*Reminder, 1 test at a time

# Directions for Do, Study and Act

- Do: Put Sam back together **quickly** and **accurately** matching the picture provided.
- Record data on the data collection sheet.
- Plot data on run charts.
- Answer the 'Study' and 'Act' question on the PDSA tracker sheet.

# Measures

## TIME

Record seconds required to put Tater back together.

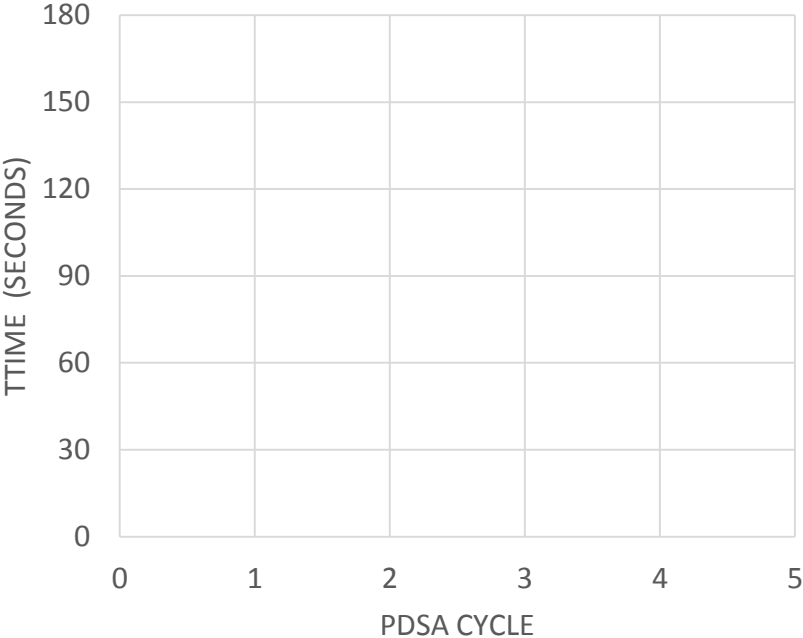


## ACCURACY SCORE DEFINITION

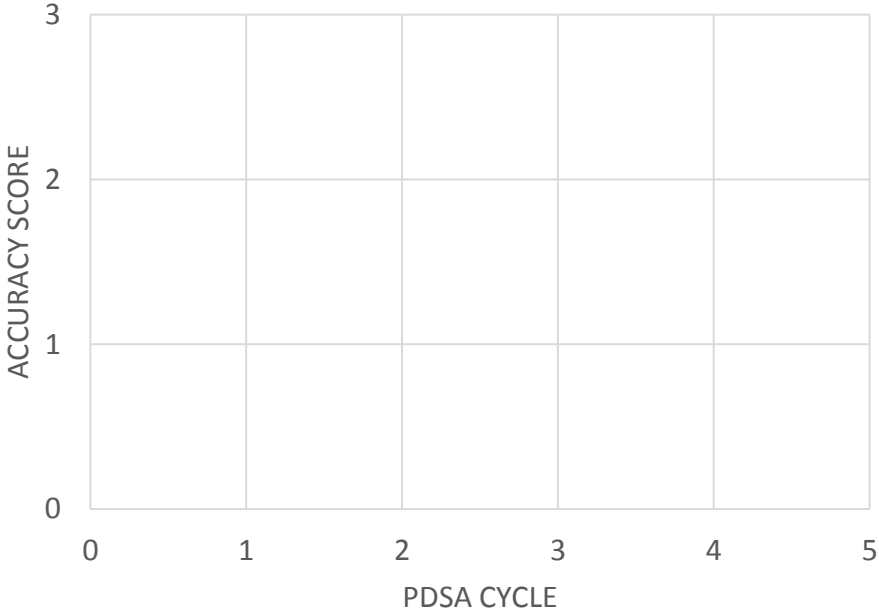
- 3** All pieces on Tater & positioned correctly.
- 2** All pieces on Tater, but one or more is out of place.
- 1** One or more pieces are not on Tater.



## TIME



## ACCURACY SCORE



PDSA Cycle	Time Prediction/ Actual Time	Accuracy Prediction/ Actual Accuracy	Theory of change
1			
2			
3			

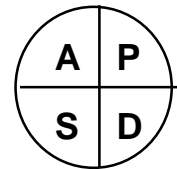
# Baseline Measures



- Time: 150 seconds
- Accuracy: 2

# Test #1

- Identify one theory your team will test to improve upon the time and/or accuracy of the baseline.
- Predict your time and accuracy score.
- Complete your first test.
- Track your data.
- Study your results.

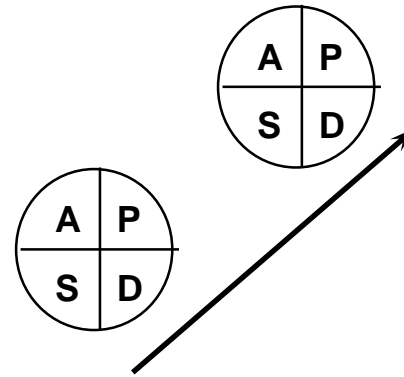


# Debrief #1

- Share your time and accuracy score. What was your theory? What did you learn?
- How much time did you spend on each section of the PDSA?
- Which section did you learn the most from? Why?

# Test #2

1. Identify the next test to build your theory.
2. Make your predictions.
3. Do your test!
4. Track your data.

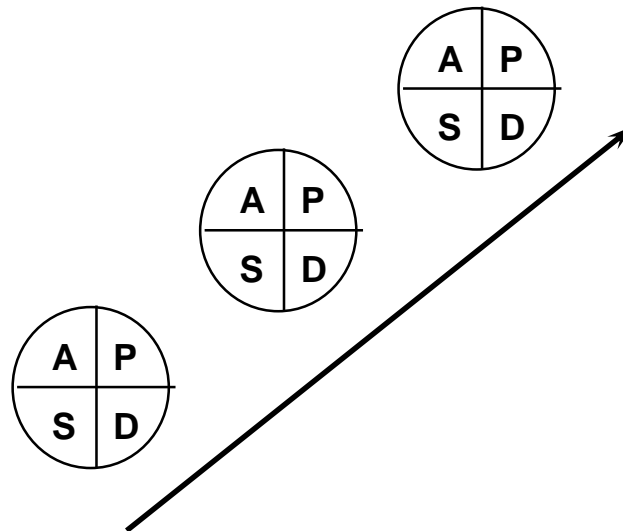


# Debrief #2

- What worked or didn't work this time?
- What did you learn?
- Reflect on using the PDSA tracking form (like, dislike, time etc.)

# Test #3

1. Identify the next test to build your theory.
2. Make your predictions.
3. Do your test!
4. Track your data.



## Debrief #3

- How do your predictions build on each other? Have your predictions changed dramatically? Did you have to throw one out and start completely over?
- How are you feeling about collecting data on the measures? Is it useful in creating your next test?
- What is your emerging theory?
- How does your run chart support your theory? Are you building confidence in your theory of change?



# Final Debrief

- How has this activity influenced your viewpoint on change process?
- What are key items you will take away from this activity?
- Do you see ways you can apply rapid cycle PDSA testing to your care coordination project work?

