

# NCC Pediatrics Continuity Clinic Curriculum: **PI-Meeting 6 & Case-Day**

### **Pre-Meeting Preparation:**

- Review your group's Cycle 1 Presentation
  - O Located in the Pediatric Folder, under "RESIDENT PI Projects"
- Review PDSA Cycle Powerpoint
- Brainstorm for PDCA-Cycle 2. Complete "Plan" section of the worksheet.
- Select one of your continuity patients to present for Case-Day.

### **Conference Agenda:**

- Compare group members' "Plan" sections. Come to a consensus and develop a timeline with assigned tasks. Remember, the goal is to have a completed, analyzed PDCA-Cycle 2 by May 29.
- Time permitting, discuss resident and/or staff cases.

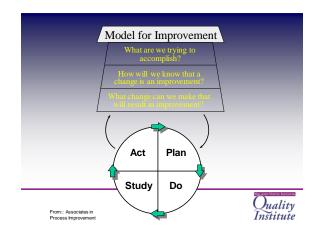
### **Post-Conference Agenda:**

• Enact the timeline developed during conference. Plan to touch base either at continuity meetings or via email to ensure that your group is meeting its goals.

<u>Dates</u>	<u>Event</u>
Week Aug 15	PI Project Overview
Week Sept 26	PI Team Meeting
Oct 7	PI Proposal Presentation @ Morning Report
Week Oct 31	PI Team Meeting
Week Dec 12	PI Team Meeting
Week Jan 23	PI Team Meeting
Feb 3	PDCA Cycle 1 Presentation @ Morning Report
Week Mar 5	PI Team Meeting
Week Apr 9	PI Team Meeting
Week May 21	PI Team Meeting
May 29	PDCA Cycle 2 Presentation @ Morning Report

## The PDSA Cycle Testing and Implementing Changes





# The PDSA Cycle Four Steps: Plan, Do, Study, Act Also known as: Shewhart Cycle Deming Cycle Learning and Improvement Cycle Study Ouality Institute

### Use the PDSA Cycle for:

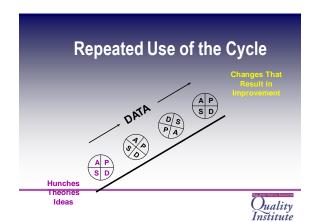
- Testing or adapting a change idea
- Implementing a change
- Spreading the changes to the rest of your system

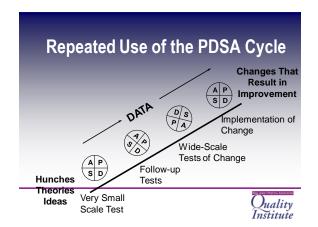


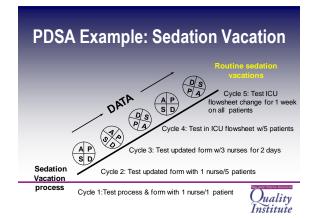
### Why Test?

- 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









### **Successful Cycles to Test Changes**

- · Plan multiple cycles for a test of a change
- · Think a couple of cycles ahead
- · Scale down size of test (# of patients, location)
- · Test with volunteers
- · Do not try to get buy-in, consensus, etc.
- · Be innovative to make test feasible
- · Collect useful data during each test
- Test over a wide range of conditions



### **Testing on a Small Scale**

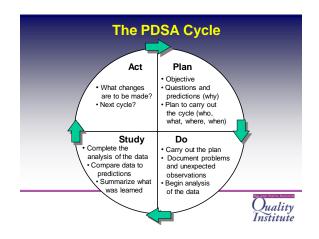
- Have others that have some knowledge about the change review and comment on its feasibility
- Test the change on the members of the team that helped develop it before introducing the change to others
- Incorporate redundancy in the test by making the change side-by-side with the existing system

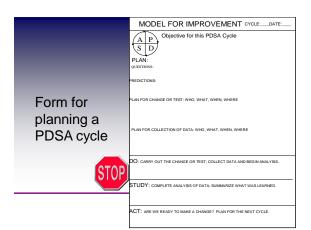


### **Testing on a Small Scale**

- Conduct the test in one facility or office in the organization, or with one patient
- · Conduct the test over a short time period
- Test the change on a small group of volunteers
- Develop a plan to simulate the change in some way



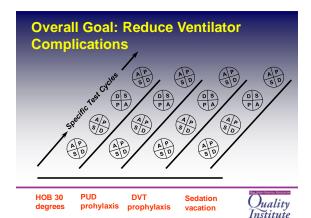




### Do — Study

- Reasons for failed tests
  - 1. Change not executed well
  - 2. Support processes inadequate
  - 3. Hypothesis/hunch wrong:
    - Change executed but did not result in local improvement
       Local improvement did not impact access or efficiency
- Collect data during the Do Phase of the Cycle to help differentiate these situations.

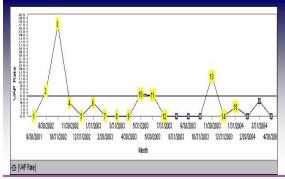




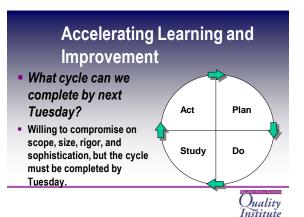
### Measurement and Data Collection During PDSA Cycles

- Collect useful data, not perfect data the purpose of the data is learning, not evaluation
- Use a pencil and paper until the information system is ready
- Use sampling as part of the plan to collect the data
- Use qualitative data rather than wait for quantitative
- Record what went wrong during the data collection





Quality Institute



FOCUS P-D-C-A Performance Improvement Model to Identify and Solve Problems and Processes				
The FOCUS phase helps to narrow the team's attention to a discrete opportunity for improvement.				
F	FIND	Find a process that needs improvement. Define the process and its customers. Decide who will benefit from the improvement. Understanding how the process fits within the hospital's system and priorities.		
0	ORGANIZE	Select a team who is knowledgeable in the process. Determine team size, members who represent various levels in the organization, select members, and prepare to document their progress.		
С	CLARIFY	Clarify the current knowledge of the process. Define the process as it is and as it should be. Team reviews current knowledge and then must understand the process to be able to analyze it and differentiate the way it actually works and they way it is meant to work.		
U	UNDERSTAND	Understand the causes of variation. Team will measure the process and learn the causes of variation. They will then formulate a plan to data collection, collecting the data, using the information to establish specific, measurable, and controllable variations.		
S	SELECT	Select the potential process improvement. Determine the action that needs to be taken to improve the process (must be supported by <u>documented evidence</u> .)		
	The P-D-C-A phase allows the team to pursue that opportunity and review its outcome.			
P	PLAN	Plan the improvement/data collection. Plan the change by studying the process, deciding what could improve it, and identifying data to help.		
D	DO	Do the improvement/data collection/data analysis. Execute the plan on a small scale or by simulation.		
С	CHECK	Check the data for process improvement. Observe the results of the change. Document the results of the change. Modify the change, if necessary and possible.		
A	ACT	Act to hold the gain/continue improvement. Implement the change if it is working. If it fails, abandon the plan and repeat the cycle.		

MODE	EL FOR IMPROVEMENT	Cycle: Date:
A P S D PLAN: QUESTIONS:	Objective for this PDSA Cycle:	
	ANGE OR TEST: WHO, WHAT, WHEN, WHERE:	
PLAN FOR CO	LLECTION OF DATA: WHO, WHAT, WHEN, WHERE:	
DO:	CARRY OUT THE CHANGE OR TEST; COLLECT DATA	
STUDY:	COMPLETE ANALYSIS OF DATA (qualitative and quantitative LEARNED.	e); SUMMARIZE WHAT WAS
ACT:	DOCUMENT WHAT YOU LEARNED. ARE YOU CONFIDENT SIZE/SCOPE OF TEST?	T THAT YOU SHOULD EXPAND



# **Continuity Clinic Case Day**

Select an interesting or challenging patient to discuss with your continuity group. Solicit feedback and guidance regarding your management.

NA STATE	NO. TO SECOND SE
1.	Who is your patient? (Give a one-liner)
2.	How long have you been following him/her?
3.	What are the major issues you've been addressing? Medical? Psychosocial?
4.	What questions do you have about your patient? Diagnoses? Treatment?
5.	What are you plans for following-up with your patient?
6.	How have you applied the previous modules to your patient(s)?