Continuous Improvement Tools







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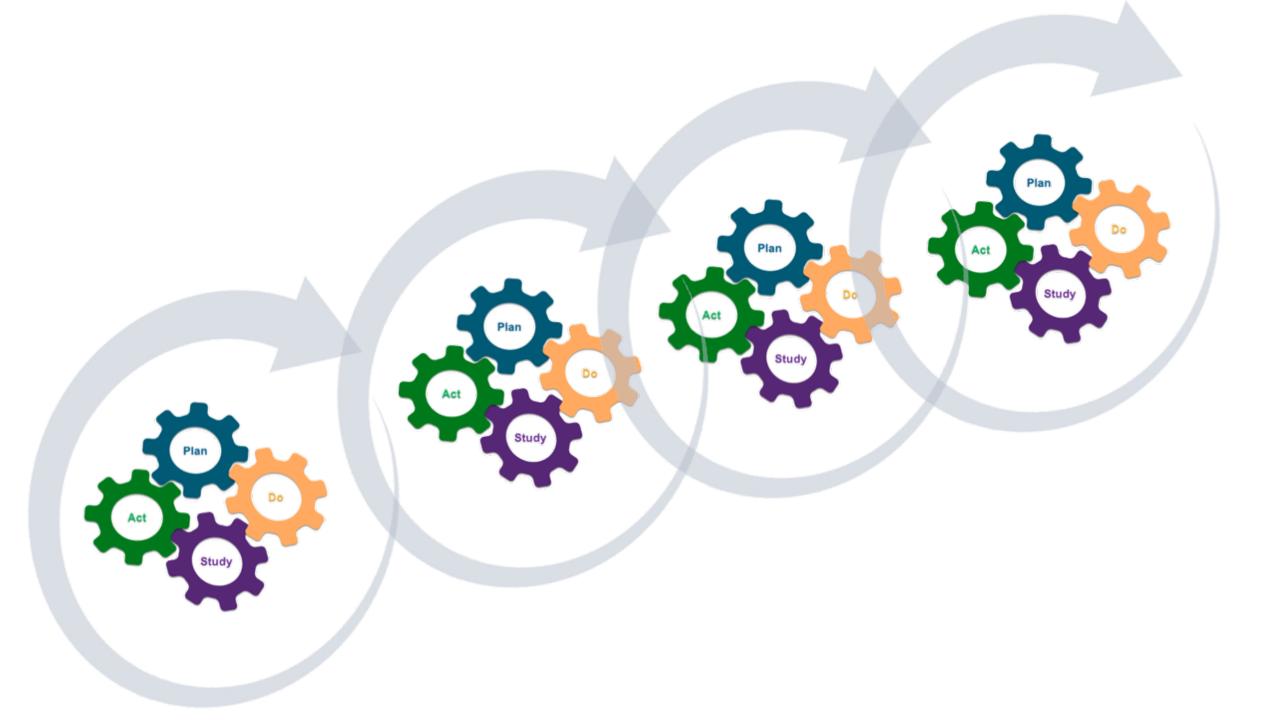
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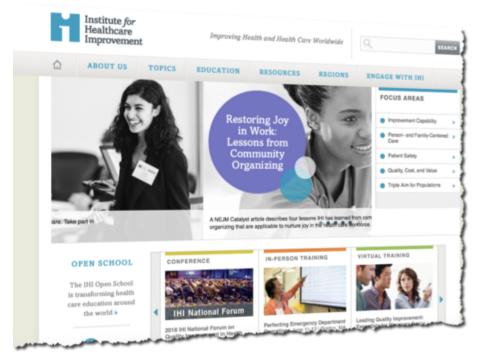
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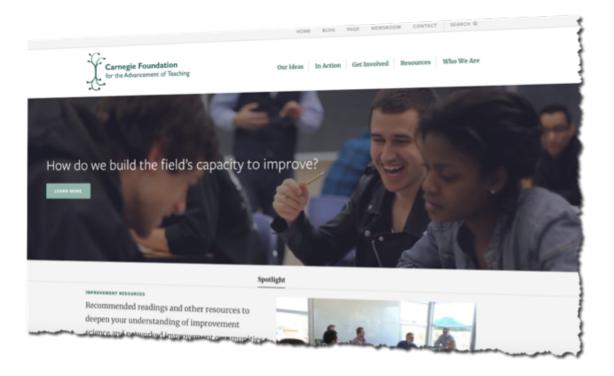
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Institute for Health Care Improvement http://www.ihi.org

https://www.carnegiefoundation.org





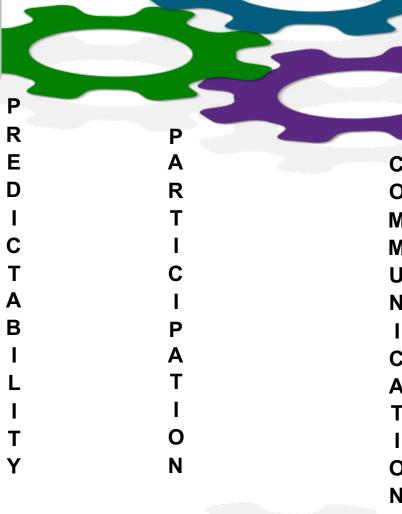




Critical Processes in

High Functioning

Team Meetings



Roles and responsibilities

Team Norms

Meeting Foundations Items from the	Team-Initiated Problem Solving Fidelity Checklist (Tl	PS-FC
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				Meeti	ng Date
	Item	Data Source	Scoring Criterion		
			Meeting Foundations Items (1-9)		
1.	Primary and backup individuals are assigned to defined roles and responsibilities of Facilitator, Minute Taker, and Data Analyst.	Meeting Minutes Documentation of Roles and Responsibilities	O= No primary and backup individuals are assigned to the defined roles and responsibilities of Facilitator, Minute Taker, and Data Analyst. 1= Some primary and backup individuals are assigned to the defined roles and responsibilities of Facilitator, Minute Taker, and Data Analyst. 2= Primary and backup individuals are assigned to the defined roles and responsibilities of Facilitator, Minute Taker, and Data Analyst.		
2.	Meeting participants have the authority to develop and implement problem- solving solutions.	Administrator/Leader confirmation or formal written policy	O= Meeting participants do not have the authority to develop and implement problem solving solutions. 1= Meeting participants have the authority to develop but not implement problem solving solutions. 2= Meeting participants have the authority to develop and implement problem solving solutions.		
3.	Meeting started on time.	Direct Observation/ Meeting Minutes	0= Meeting started more than 10 minutes late. 1= Meeting started less than 10 minutes late. 2= Meeting started on time.		
4.	Meeting ended on time, or members agreed to extend meeting time.	Direct Observation/ Meeting Minutes	0= Meeting ended more than 10 minutes over scheduled time. 1= Meeting ended 10 minutes over scheduled time. 2= Meeting ended on time or members agreed to extend meeting time.		
5.	Team members attend meetings promptly and regularly.	Meeting Minutes, Team Roster, Direct Observation	O= Less than 75% of team members attend meetings promptly and regularly. 1= Although team members (with exception of administrator) attend meetings regularly, they are not always prompt and/or they leave early. 2= More than 75% of team members (with exception of administrator) attend meetings regularly, promptly and remain present until the meeting has concluded.		

Adapted from: Todd, A. W., Newton, J. S., Horner, R. H., Algozzine, K., Algozzine, B., & Cusumano, D. L. (2014). TIPS II Training Manual: TIPS Fidelity Checklist.



Attendance

Agendas







Aim

What are we trying to accomplish?

Ideas

What change can we make that will result in improvement?

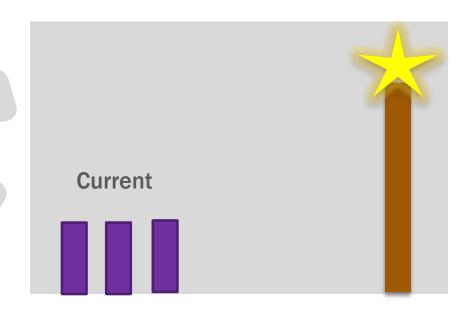
Measures

How will we know that a **change** is an **improvement**?



Aim

What are we trying to accomplish?



What **change** is needed and **by when?**



Study

Would you expect to see the change noted in the **goal?**

Is this feasible?

Ideas

What change can we make that will result in improvement?

Is there **buy-in?**

Does it align with your **goal?**



Use percent/absolute

value/ratings/scales

Define **plan** for data collection

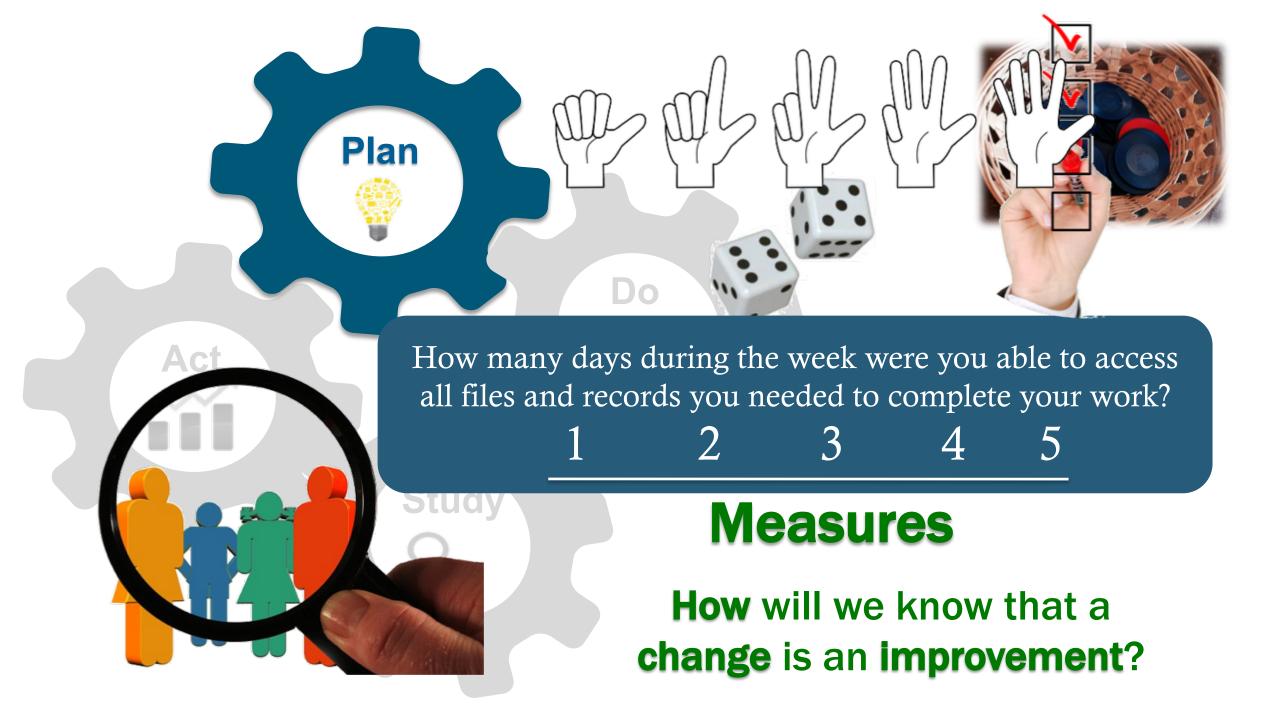
Start simple

Make it easy to collect

Will currently collected data answer the question?

Measures

How will we know that a **change** is an **improvement**?



Directions: Answer the question below by coloring the rating below in the section indicated above. Ea

Que

Directions: Answer the question below by coloring the rating below in the section indicated above. Eac

Question: The new data entry system has helped m

Rating Scale (from 1-10): 1 = Strongly Disagree; 5-6

10

9

7

4

10

9

8

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6

5

4

2

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7

6

5

Current Time of Cohort Number: Cohort 2

10

6

10

3

2

Neutral

Directions: Answer the question the rating below in the section in

Question: The new data entry sy:

Rating Scale (from 1-10): 1 = Stro

Current Time of Cohort Number:

Strongly	10	10	10	1 1	Disagre	e 1		1	1	1		•	-			_	_	Ti	me 3 o	-
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Neutral	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	H
	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	H
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	H
		2	2	2	2	2	2	2	2	2	2	2	2	2	2				1	r
Strongly	1	1	1	1	1	1	1	1	1	1	1	11	1	1	1	1	Time	4 or Co	hort 4	
Rating Scale			1 or Co				Time	2 or Co	hort 2			Time	3 or Co	nort 3			111110			_

Feedback Data Collection Form

Directions: Answer the question below by coloring in the box that reflects your answer. Color in only one box in your respective column based on the rating below in the section indicated above. Each respondent has their own column.

Question: The new data entry system has helped me carry out my duties more efficiently than before.

Rating Scale (from 1-10): 1 = Strongly Disagree; 5-6 = Neutral; 10 = Strongly Agree

Current Time of Cohort Number: Cohort 4

Rating Scale		Time :	1 or Co					2 or Co erage				Time Ave	3 or Co rage					rage		
Strongly	1	1	1	1	1	1	1	1	1	1	1	_1	1		_		Time	4 or Co	hort 4	
	2	2	2	2	2	2	2	2	2				1	1	1	1	1	1	1	1
	3	3	3	3	3	3	3	3					2	2	2	2	2	2	2	2
	4	4	4	4					3	2	3	3	3	3	3	3	3	3	3	3
			4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Neutral		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	. 5
	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
7,000	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
Strongly Agree	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

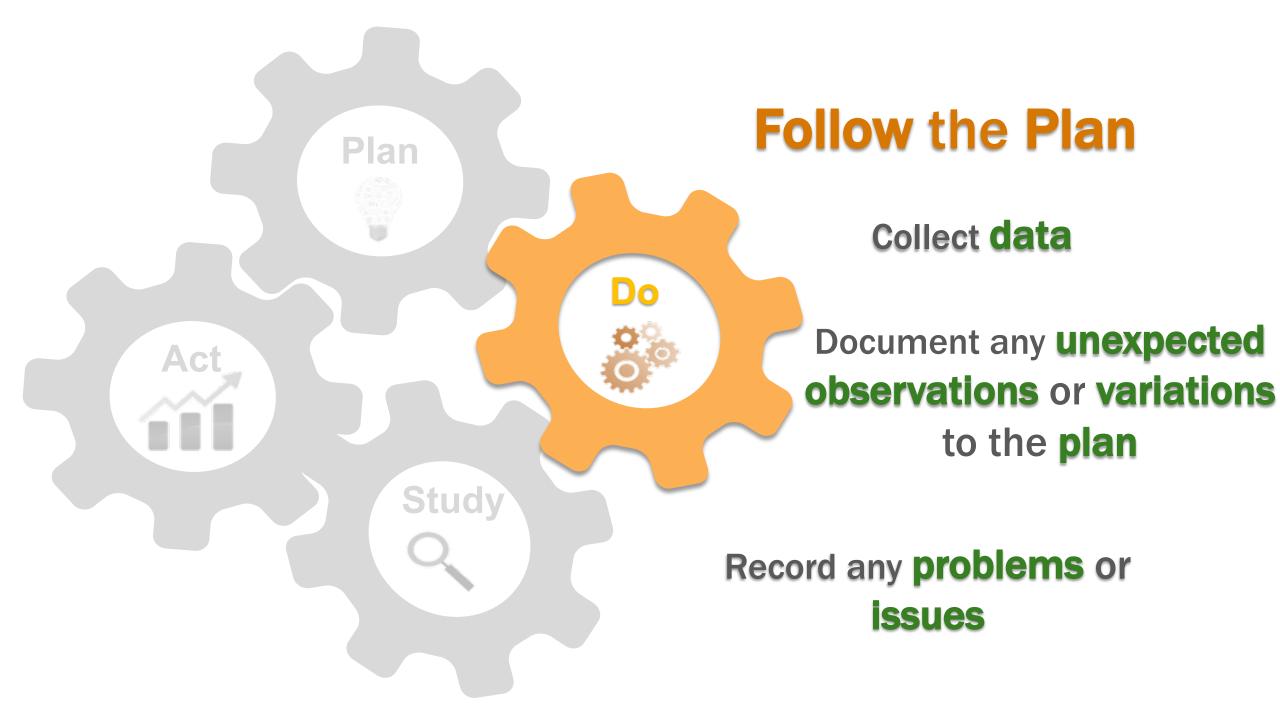
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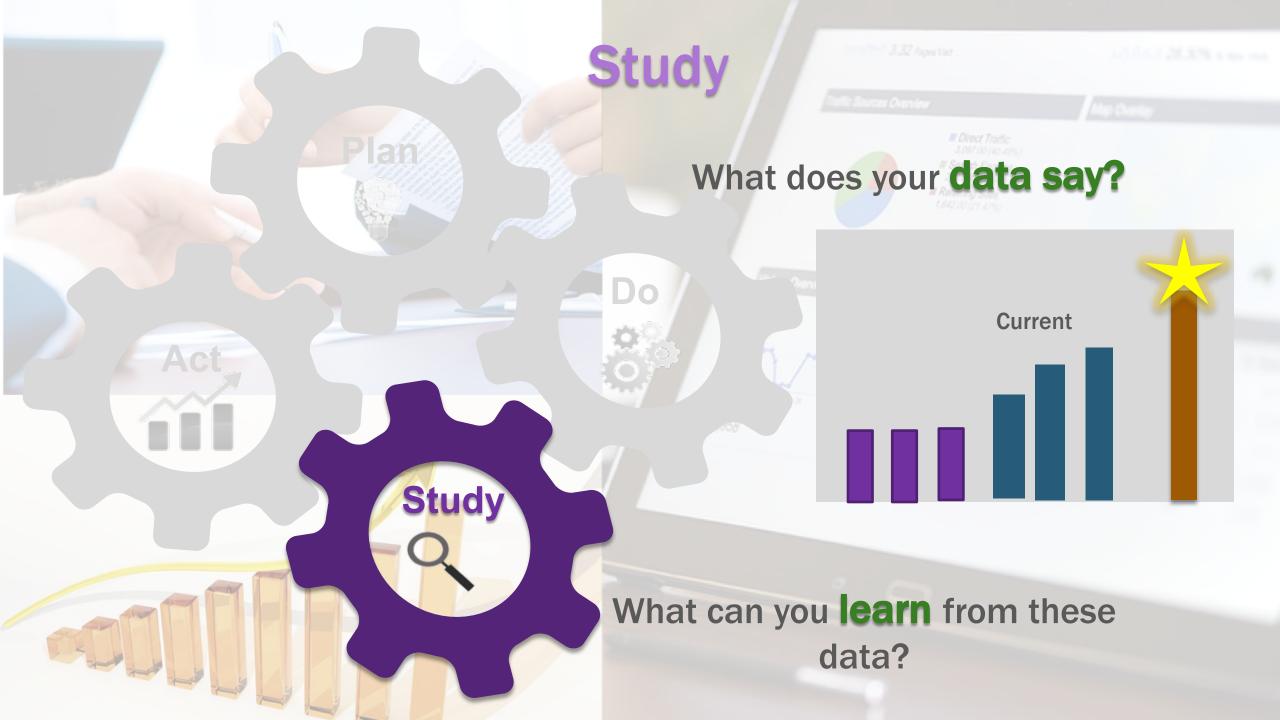
3 or Cohort 3

Time 4 or Cohort 4

Document Planning Tasks Needed

() NIRI		Planning W	orksheet for P		337 - 1 - 21 2 20	- 4
	Tasks Generated during Planning	Who is responsible?	Where?	When?	Why is this needed?	- 1
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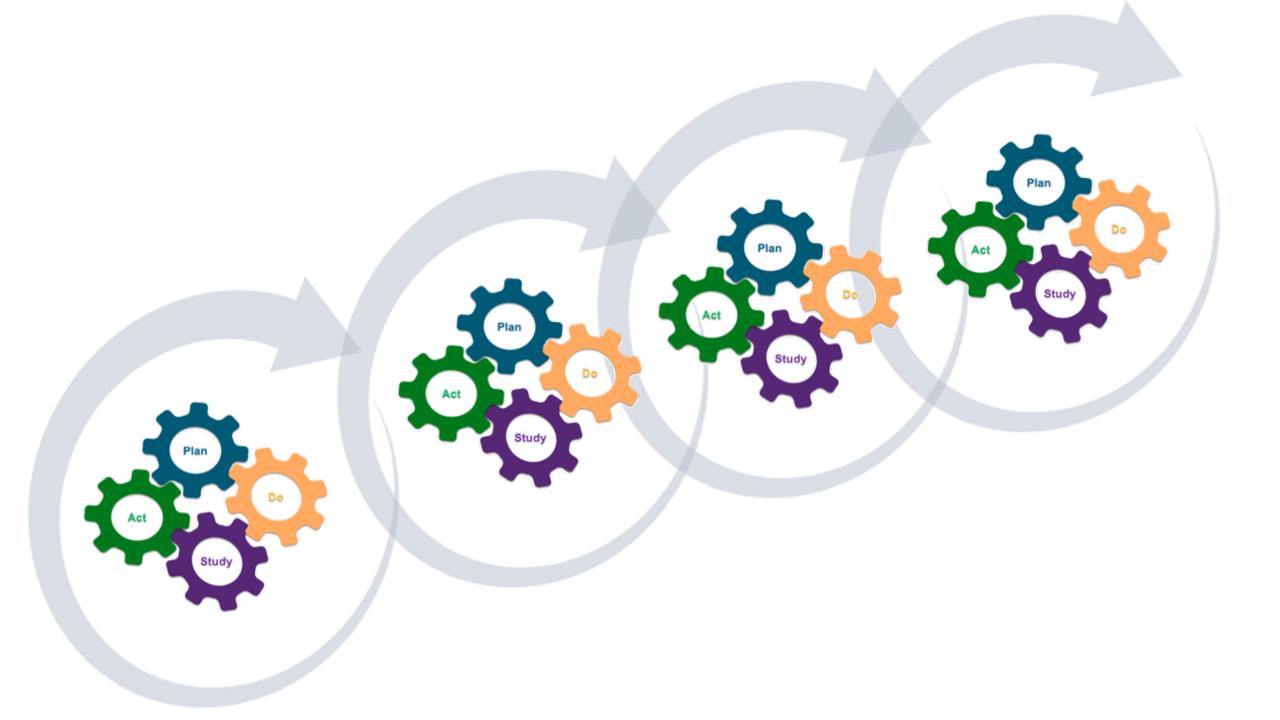
What adaptations need to be made?

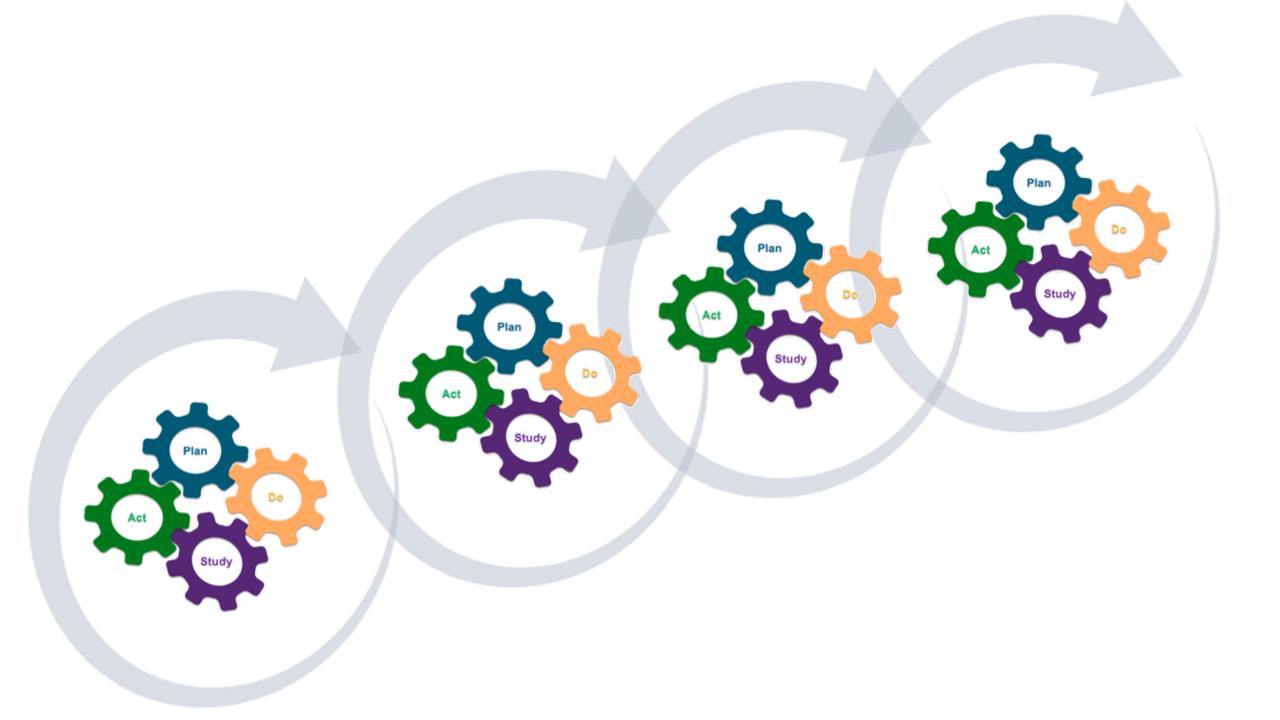
Plan

What will be **adopted** into practice?



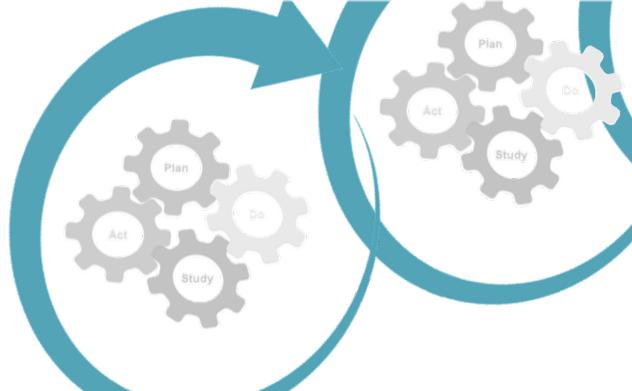


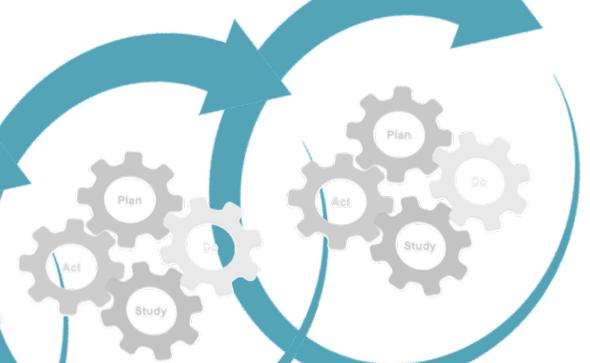




Usability Testing

A planned series of tests of implementation processes that test feasibility and impact of a new way of work prior to rolling out more broadly





Cohort 4 **Usability Testing** Cohort 2 Cohort 1 **Innovation or implementation** Processes v 2.0 More is learnement 4 cycles with 5 particidants each than from 1 pilot test with 20 particidants **Innovation or implementation** Processes v 1.0

Tools for Usability Testin





Guidance on Usability Testing What is it. When Do You Use it, and How?

The following guidance explains the purpose of usability testing, when and how implementation teams should use it. The guidance will:

- · Prepare leaders and staff for the usability discussions with their teams and stakeholders
- Assist the team in thinking about a limited number of critical components they want to set up for usability testing during the initial rollout of the innovation/effort
- Ensure that leadership, teams, and staff are all on the same page regarding the purpose and
 process of usability testing and the relationship of usability testing to formative evaluation

WHAT IS IT?

Innovation or

Proces

The overarching purpose of usability testing is to improve and "stabilize" the early occurring components of an innovation or system, the implementation supports, and the data collection processes so that components or processes are improved, implementation Drivers can support the "right" processes, and formative evaluation can proceed more confidently. Usability testing begins during the Initial Implementation of the protocol, practice, or program.

Usability testing has several purposes and functions including:

- maximizing learning from the fewest possible examples.
- · quickly detecting challenges related to key processes,
- · making revisions and retesting the processes to see if they are better, and
- stabilizing early components of an intervention, implementation supports, and data collection processes.

Usability testing uses rapid cycle (Plan, Do, Study, Act) detection of strengths and gaps and quick tests of intended solutions. By "testing" the innovation as it is expected to be implemented with only a few examples (e.g., three to five districts initiating new assessments) across counties/regions, districts, and schools, improvements can be made quickly from one cycle to the next. Ensuring that the cycles are representative of the innovation allows for the differentiation of individual user issues from regional/county issues from systemic issues, which affects the resolution. Usability testing proceeds until few major problems are detected (there always will be problems in human service programs; the goal is to solve the more obvious and difficult problems).

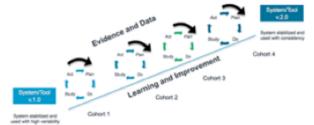
Usability testing is best played out in "transformation zones." A transformation zone is smaller than a full rollout, but representative of the intervention as a whole. This scope of testing provides enough breadth to ensure a valid test of the early components.

1 | National Implementation Research Network – SISEP Center





Usability Testing Plan for



Usability Testing is a planned series of tests of an innovation, components of an innovation, or implementation processes. It is a series of Plan-Do-Study-Act (PDSA) cycles with small groups of participants (n = 4 to 5) to refine and improve the innovation elements and/or the implementation processes. Usability Testing can be used proactively to test the feasibility and impact of a new way of work prior to rolling out the innovation or implementation processes more broadly



The PDSA cycles consists of four phases:

- Plan Identify barriers or challenges, using data whenever possible, and specify the plan to move programs or interventions forward as well as the outcomes that will be monitored.
- Do Carry out the strategies or plan as specified to address the challenges.
- Study Use the measures identified during the planning phase to assess and track progress.
- Act Make changes to the next iteration of the plan to improve implementation.

Usability Testing Plan for Action Period (Series of 3-4 PDSA Cycles):

Usability Testing Core Team (A small team of 5-7 individuals to lead the effort):

Name of Team Member	Position

ementation v 2.0



Innovation or implementation Processes v 1.0

