Electronic Check-In Project

An Example of a Quality Improvement Project

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Roadmap for this presentation

- Local Agency Background
- ▶ CQI Framework
 - ▶ Quality Improvement (QI) using Action Research
 - ▶ QI as distinct from Quality Assurance (QA)
- ► Share example of QI within our Agency
 - ► Electronic Check-In Project (E-CIP)
 - ▶ Inception of Project
 - ▶ Objectives of Project
 - ▶ Process & Progress
 - ▶ Lessons Learned
 - ▶ Future Directions
- ▶ How E-CIP exemplifies key characteristics of CQI

Our Local Agency

We serve approximately 40,000 participants monthly

We have 11 WIC sites throughout San Diego County



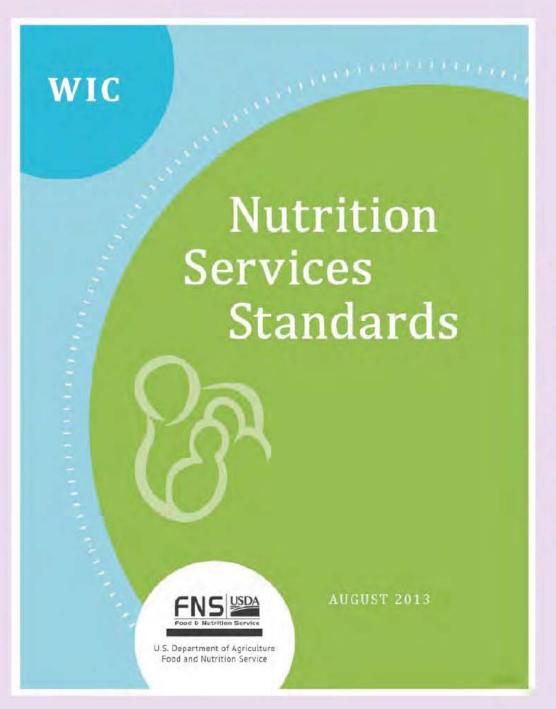


Continuous Quality Improvement (CQI)

What is it?

How does it fit within WIC?

How does it differ from Quality Assurance (QA)?



We have guidelines from FNS/USDA of August 2013 to help with this question

Continuous Quality Improvement

"Standard 16 - Quality Improvement

The State and Local Agency engage in ongoing Quality Improvement (QI) to continuously improve staff procedures and the nutrition services participants receive."

FNS/USDA Nutrition Service Standards, August 2013

Measurement & Monitoring



QA answers a closed-ended question

with one of two options: yes/no; pass/fail; meets expectations/does not meet expectations, etc.

Improvement



QI answers an open-ended question

such as: "How can we improve our services?" or "How can 'x' process be more efficient?"

Quality Improvement (QI)







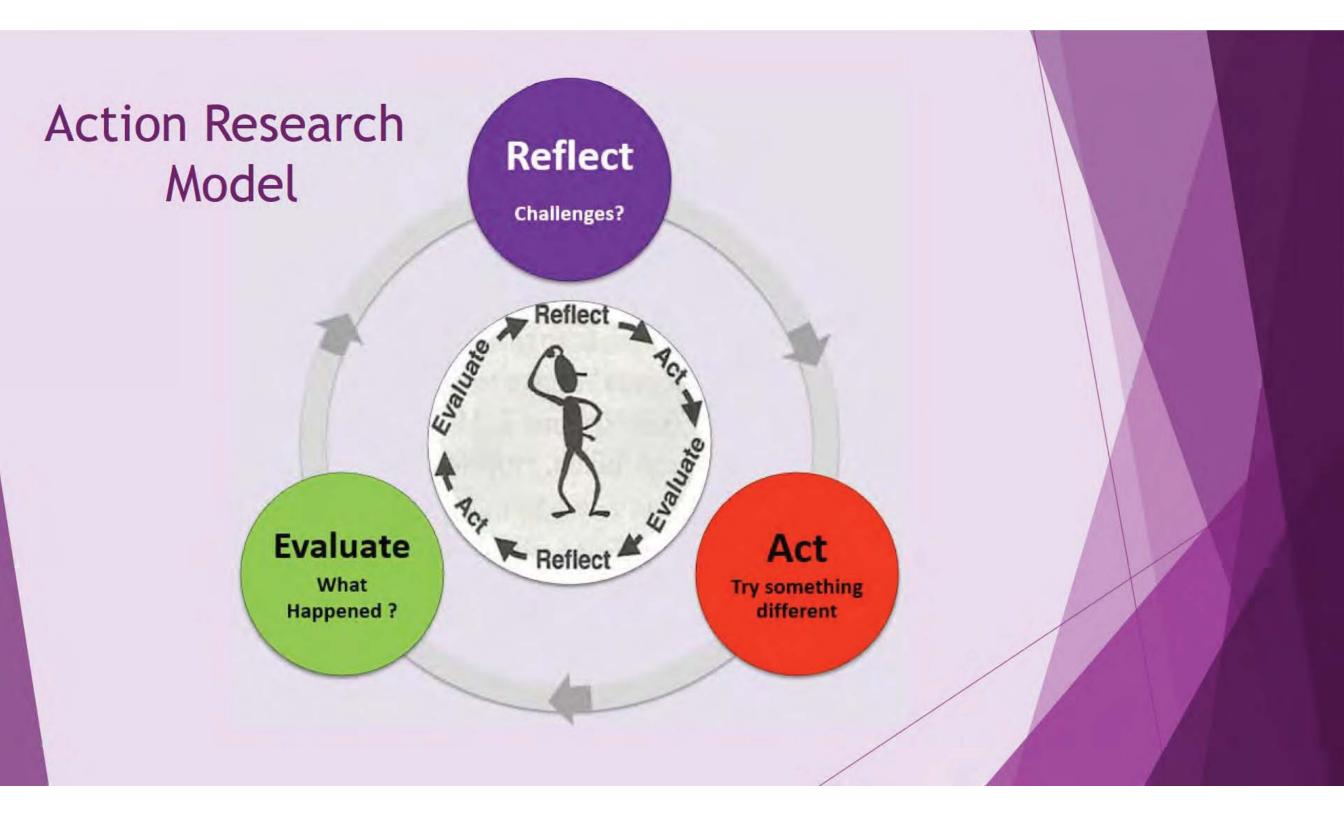
► How can we improve what we are doing?
Reflection/Planning

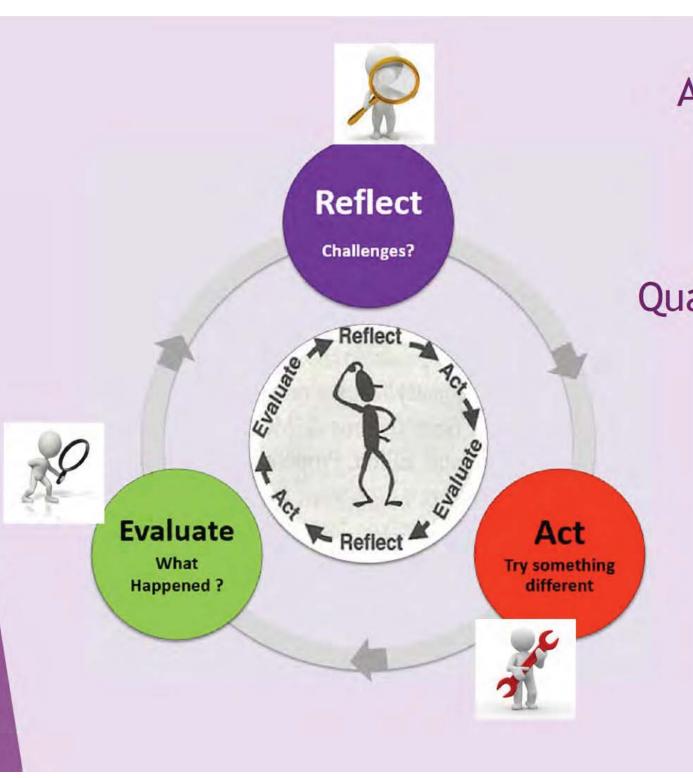
▶ Take Action

Observe/Examine

▶ What does it look like after "the improvement"?

Assessment





Action Research Model

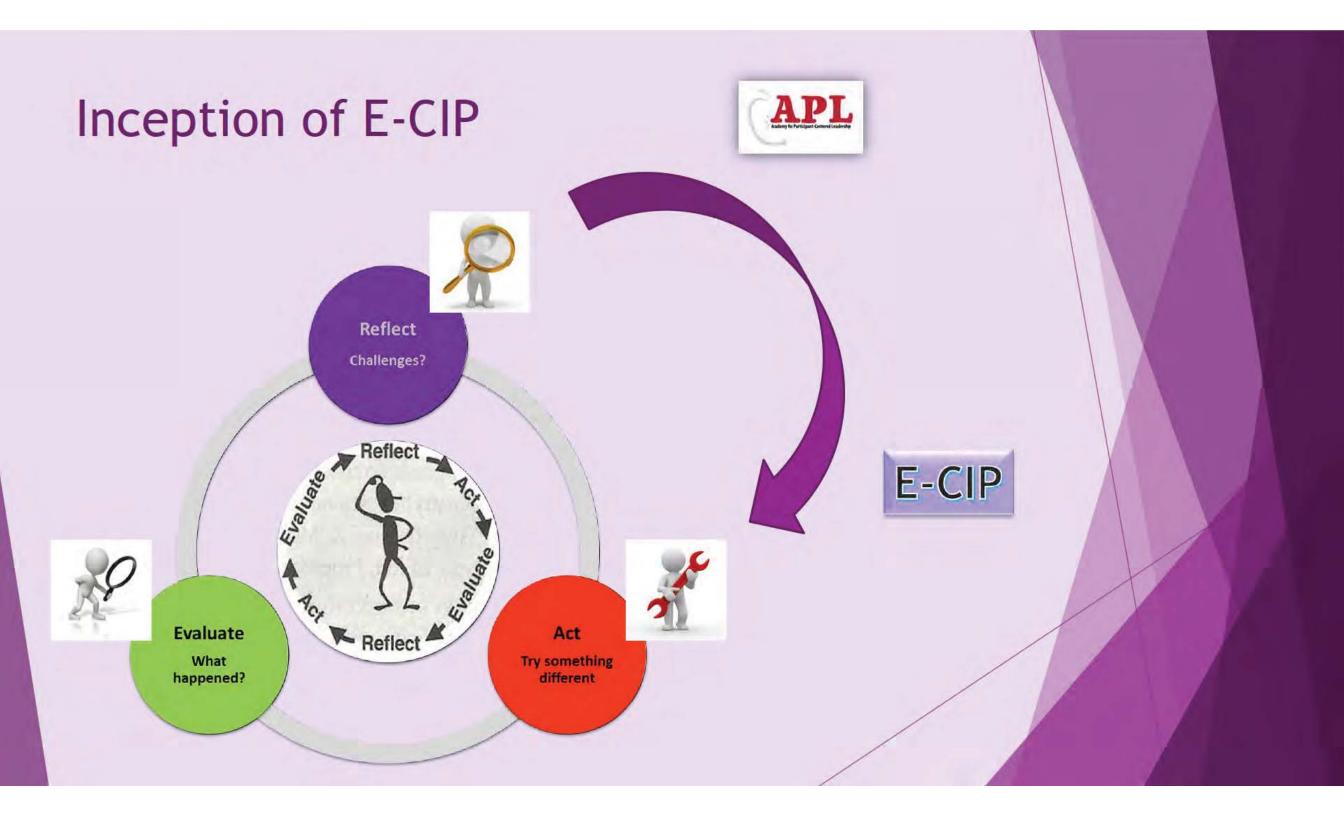


Quality Improvement Project

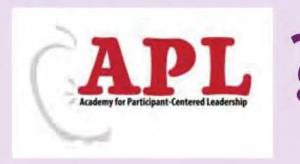


E-CIP

Electronic Check-In Project

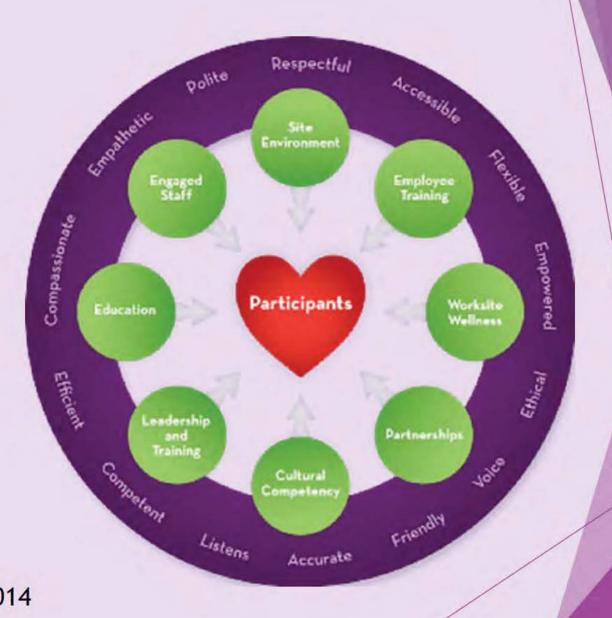


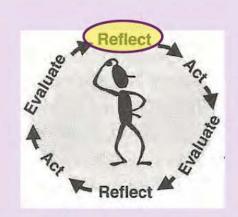
What is



Academy for Participant-Centered Leadership

A California State WIC Program 5 years, beginning 2010 through 2014





Reflect

Through APL we were able to reflect on challenges:

select an area for a Quality Improvement effort

identify specific challenges and objectives



We went to the Site Staff Teams to listen to their challenges

First Question - What would they like to know from the participants?

"Do they know what to do when they first come in?"

Discussion ensued . . .

Actually, the sense was that they do know what to do, they just don't want to . . .

For example, frequently, they will "jump the line" to say,

I just have a question . . .

As we listened, a picture developed

Direct Service Delivery Staff feel pressure and at times Participants express impatience or frustration

Experienced as time crunch for both staff and participants

Progression to Problem-Solving

What about additional signage?

- Suggesting Courtesy
- ► Providing Directions

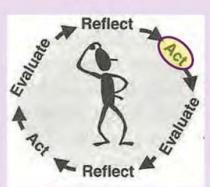
No, we have it and when impatience or frustration arise, signs aren't calming

Someone said, "What about Electronic Check-In?"

A Spontaneous Suggestion for Innovation

Objectives of the Electronic Check-In Project

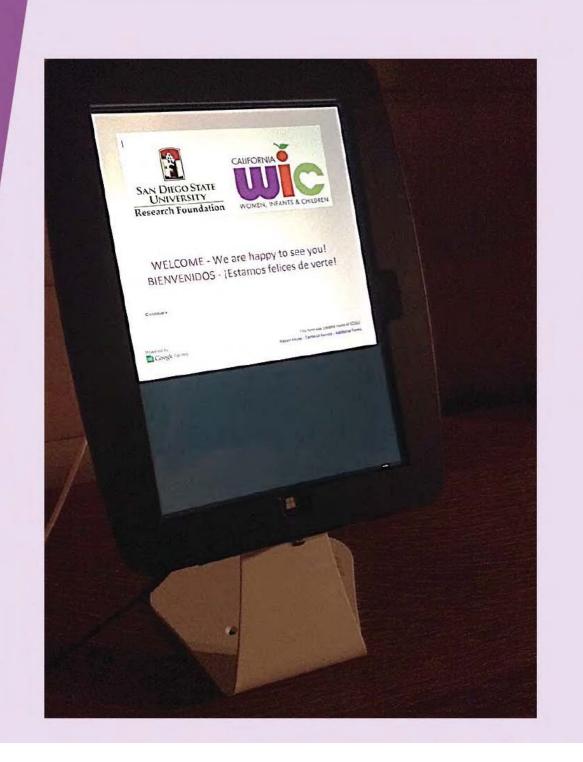
- to improve the quality of support provided to direct service delivery staff
- b. to engage the expertise of direct service delivery staff
- c. to improve participant satisfaction with WIC visit
- to improve ability of staff to meet participant needs efficiently
- e. to reduce staff burden and participant frustration and stress of both.



Moving to Action

- Secure Funding
 - ►APL Project Budget
 - ▶Equipment \$6,000
- ► Acquire Equipment
 - Microsoft Surface 3 Tablet \$499.00 + tax (currently)
 - Security Mounts \$129.00 + tax (currently)





Planning & Process

Series of Collaborative Work Sessions: Portion of Regularly Schedule Meetings

- ▶ Rich discussion considering wide-range of options for use:
 - ▶ For Walk-Ins
 - ▶ For Bottlenecks
 - ► For example: Processing before Class times
 - ▶ For all participants as they arrive at WIC site
- ► Considered & Discussed
 - ▶ potential barriers, obstacles
 - ▶ opportunities, benefits to use

Reflect on discussions

- ▶ Decided to pilot use of the Electronic Check-In for
 - ► All participants upon arrival
- Selected specific objectives for the first pilot
- Developed trial flow of Check-In Screens/Questions
- ▶ Selected first two WIC sites for pilot testing

Round I - Electronic Check-In Pilot

Will be testing two aspects:

► A "<u>virtual queue</u>" for all Participants arriving at WIC site

► A "strategy tool" for all Site Staff - get an overview of who is waiting for what reason

Intentions

► A "virtual queue" for all Participants arriving at WIC site

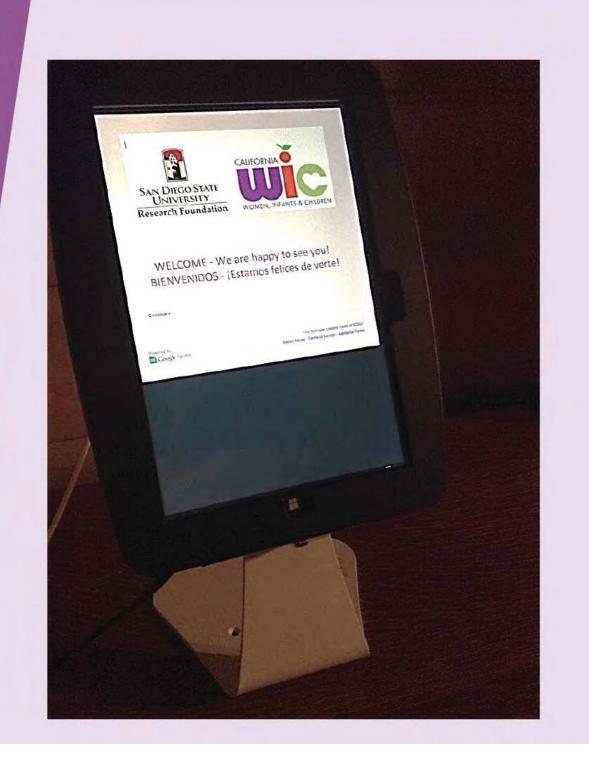
queue up - form a queue, form a line, stand in line;

► A "strategy tool" for all Site Staff - get an overview of who is waiting for what reason

Manage the queue with greater efficiency and effectiveness while improving the customer experience.

Possible Advantages

- ► Improve Fairness ~ Virtual Queue
- ► Improve Efficiency ~ Strategy Tool
- ▶ Reduce Wait Time
- ▶ Reduce Staff Stress
- ► Improve Participant Satisfaction
- ► Improve Participant Perception of Fairness
- ► Reduce Participant Stress



Piloting & Progress

Early Piloting Steps: preparing for actual use with participants

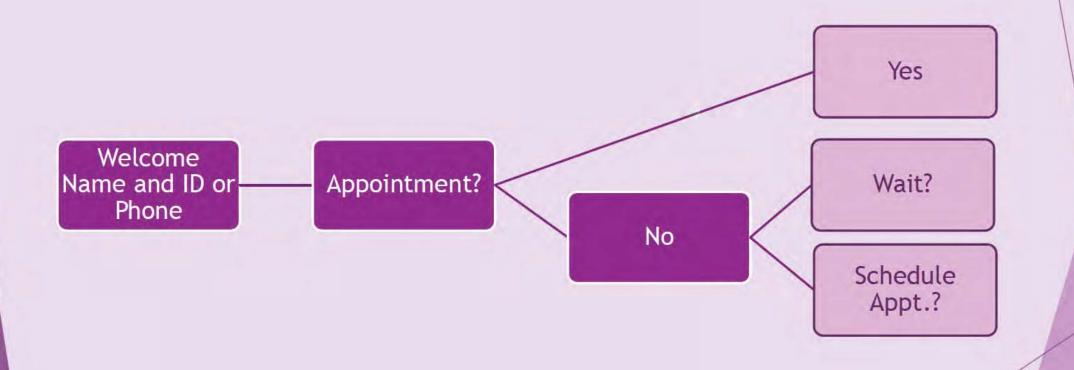
Worked with a wide-range of WIC staff to:

- ▶ Figure out set-up -physical and electronic arrangement of equipment
- ▶ Design flow of Check-In Screens/Questions developed for initial pilot
- ▶ Give staff opportunity to try it out and give input on all aspects
- Consider ideas for using information resulting from Check-In Screens
- Consider schedule and location for initial pilot testing with actual participants at the sites

Use of Electronic Check-In at the Site



Overview of Basic Flow of Questions on Check-In Screen





WELCOME - We are happy to see you!

BIENVENIDOS - ¡Estamos felices de verte!

Please (enter yo	ur WIC I	Family ID	/¿Cual es t
número	de iden	ntificació	n famili	ar de WIC?

Or phone number with area code / ó número de teléfono con código de área?

Continue .







What do you prefer? / ¿Cuál es su preferencia?

- O Wait until a WIC Counselor is available to meet with you? /Esperar hasta que un Consejera de WIC esté disponible?
- Schedule an appointment. / Programar una cita.

* Back

Continue :



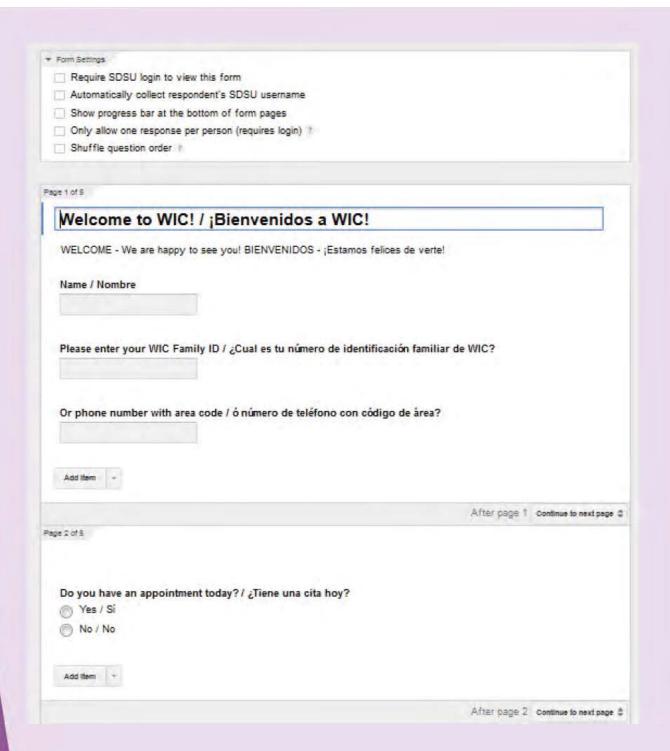


Welcome to WIC! / ¡Bienvenidos a WIC!

Thank you for checking in! We will assist you as soon as possible.

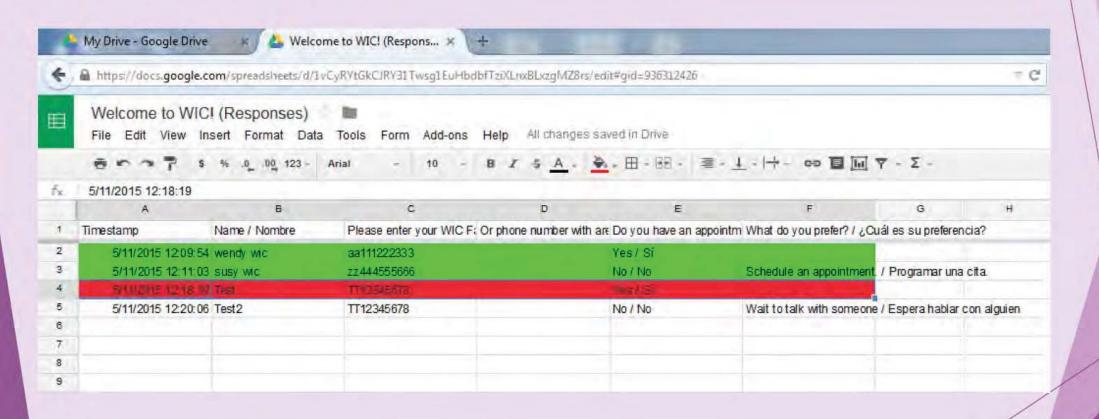
Gracias! Estaremos encantados de ayudarle tan pronto como sea posible.

Submit another response



Set up Check-In Screens using Google Forms

Google Sheets - Landing Spot for each Check-In submission

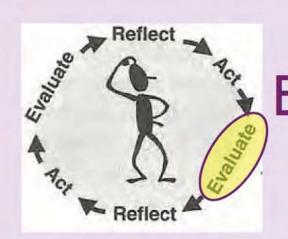


Use of Electronic Check-In at the Site



How do the Staff access and use the information entered by the Participant?





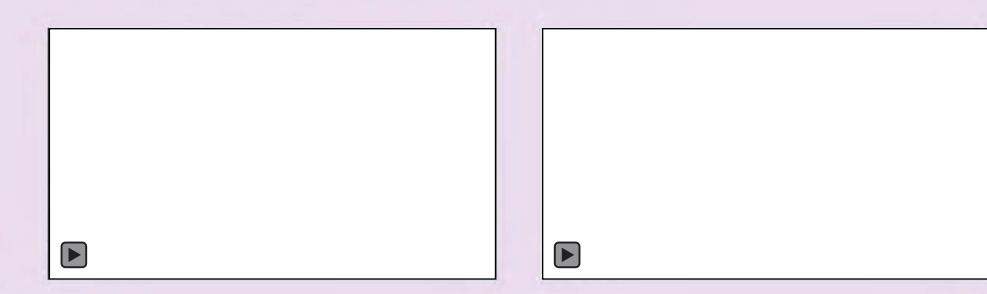
Evaluate -- Improve Office Flow Reduce Pressure

Staff

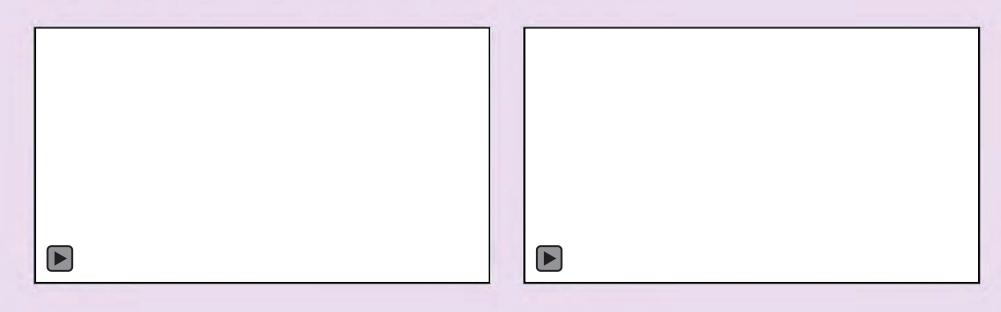
Participants

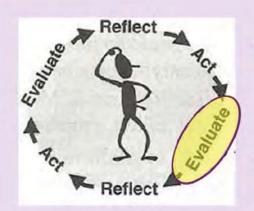
- ► Improve Fairness ~ Virtual Queue
- ► Improve Efficiency ~ Strategy Tool
 - ▶ Reduce Wait Time
 - ▶ Reduce Staff Stress
 - ► Improve Participant Satisfaction
 - ▶ Improve Participant Perception of Fairness
 - ► Reduce Participant Stress

What Participants have to say about the Electronic Check-In System



What WIC Staff have to say about the Electronic Check-In System





Evaluate: Taking a Closer Look at Assessment and Evaluation during the Pilot Phase

Requires careful balance between:

Planning

Flexibility

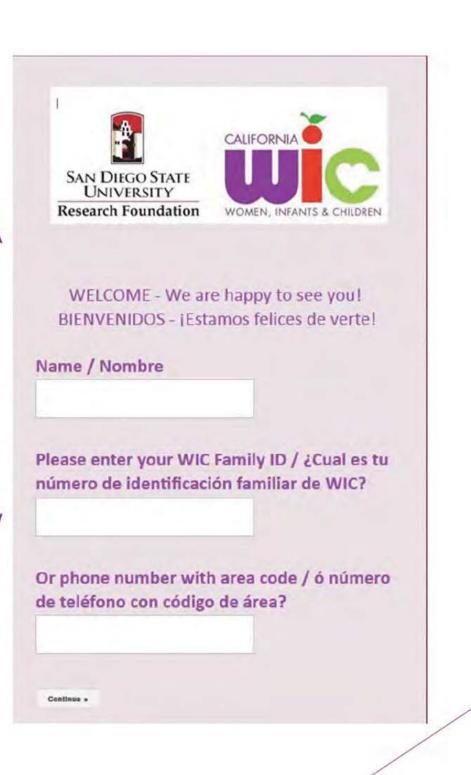


Allows use of On-Site Expertise

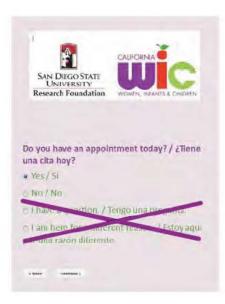
- Some adjustments are rapid
 - ▶ Examples
 - Specific Text and Flow of Screens
 - ► Location & Securing Equipment
- Some require greater consideration
- Some require measurement
 - ► Ex- Office flow
 - ► Participant perception
 - Staff perception



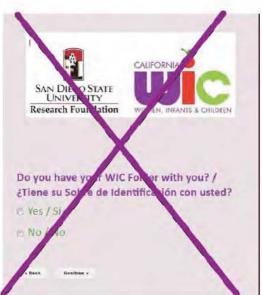






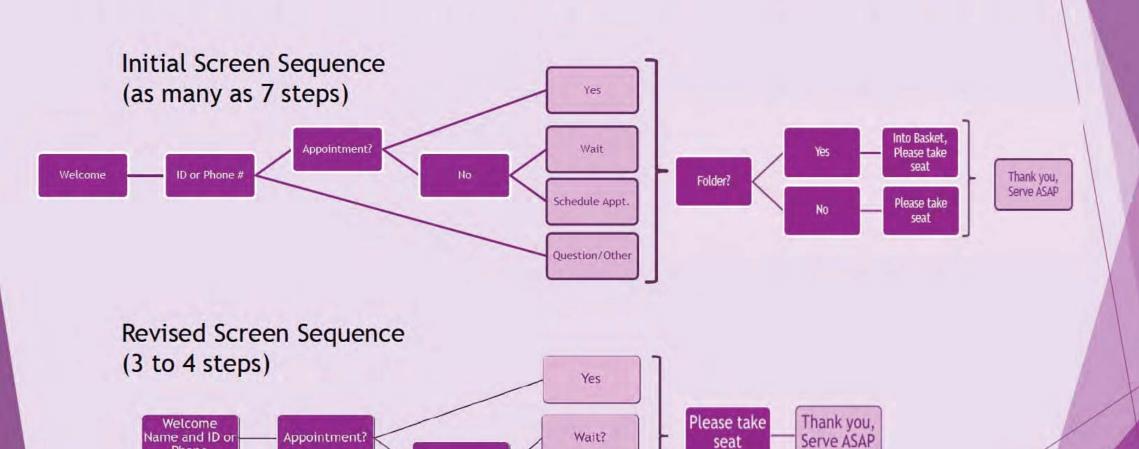








Example of Flexibility and Simplification



Schedule Appt.?

Phone

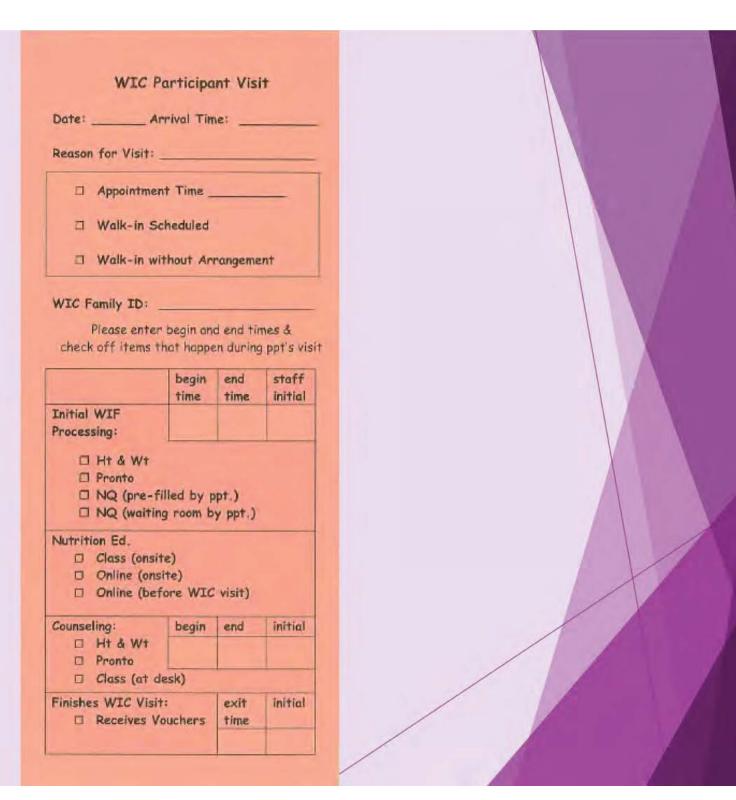
A few lessons learned so far . . .

- ▶ Site physical set up comes with unique issues
- ▶ Different Sites have differing:
 - ▶ Ideas
 - ▶ Opinions
 - ▶ Preferences
 - ▶ Team approaches to communication
 - "time needed to consider"
- ▶ Need to encourage "problem identification"
- ▶ Onsite Adjustments help with "engagement as experts"
- ▶ There is excitement with this type of innovation

Salmon Slip Baseline Measurement

Measure "Office Flow"

Reduce Wait Time Improve Efficiency



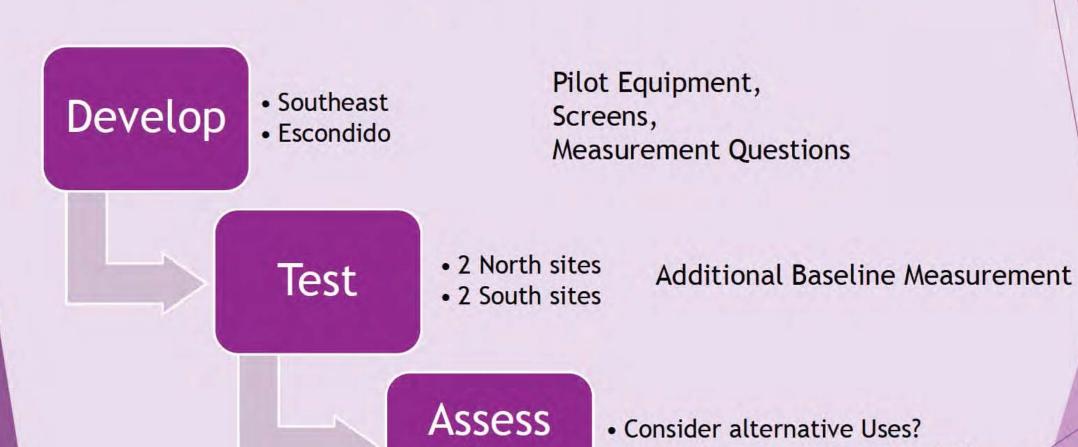
Baseline Measurement

ate:	Arrival Time:
asor	for Visit:
D	Appointment Time
	Walk-in Scheduled
	Walk-in without Arrangement

Please enter begin and end times & check off items that happen during ppt's visit

	begin time	end time	staff initial
Initial WIF			
Processing:			
□ Ht &	Wt		
☐ Pron	ro		
□ NQ	pre-filled by p	pt.)	
	waiting room b	77	
Nutrition Ed		24 1010 100	
Nutrition Ed			
Nutrition Ed			
Nutrition Ed Class Onlin	(onsite)		
Nutrition Ed Class Onlin	(onsite) e (onsite) e (before WIC		initial
Nutrition Ed Class Onlin	. (onsite) e (onsite) e (before WIC	visit)	initial
Nutrition Ed Class Onlin Onlin	. (onsite) e (onsite) e (before WIO	visit)	initial
Nutrition Ed Class Onlin Onlin Counseling: Ht &	. (onsite) e (onsite) e (before WIO	visit)	initial
Nutrition Ed Class Onlin Onlin Counseling: Ht &	(onsite) e (onsite) e (before WIC begin Wt to (at desk)	visit)	initial

Now and going forward in Pilot Phase



Use

Select "Queuing/Strategy Use?

Progress . . .

through an Action Research Process

Assess
Problems — Ideas

Reflect

- APL Assessment
- Listening Session



Act

Reflect
Ideas ---- Potential Actions

- Secure Funding
- Acquire Equipment

Evaluate

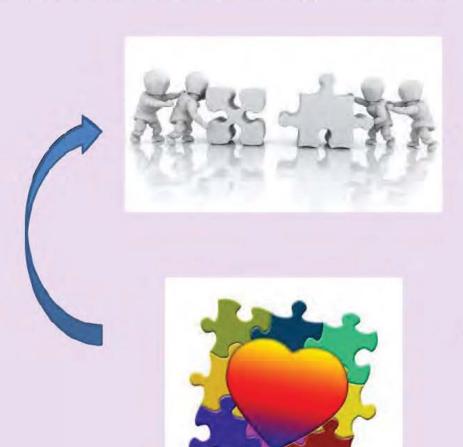
Act
Potential Actions --- Pilot

- · Pilot with Staff
- Pilot at Site & Revise

Key Characteristics

Successful CQI Process

- ► Collaborate
- ▶ Investigate
- ▶ Innovate
- ▶ Consider Evidence
- ▶ Persevere



Key Characteristics exemplified in E-CIP Successful CQI Process Collaborate

Site Staff are Experts

Investigate

Admin facilitates

Innovate

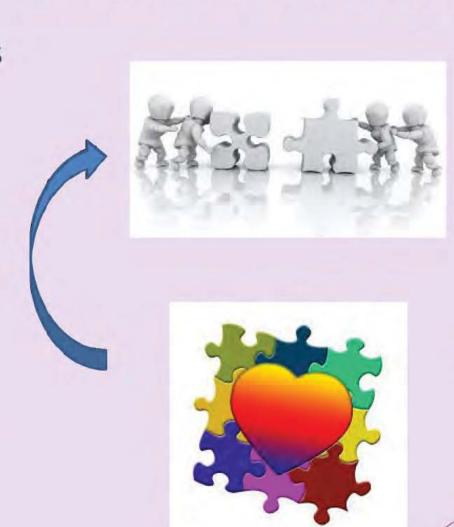
Focus, Reflect, & Follow Through

Consider Evidence

Measure & Examine

Persevere

Problem-Solve







Electronic Check-In Project

An Example of a Quality Improvement Project

As they say at NWA . . . It takes a Village . . . Here is our Village!

