







Establish Clear Definitions

- · Define the Who
 - o Exactly who will this work impact
- · Define the What
 - What do these terms mean specifically for your work
- Ask "How might somebody be confused by this statement?"



Examples of Unclear Definitions

- · Timely completion of the activities
- · A complete list
- · Positive feedback
- · Negative outcome
- · Improved communication
- · Increased awareness

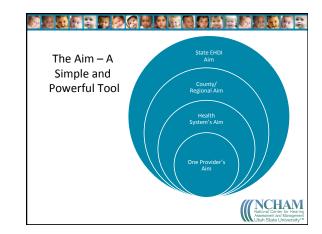




Establishing the Team's Aim

- Involve senior leaders
 - Align aim with strategic goals of the organization and the grant
- Focus on issues that are important to your organization
 - o Choose appropriate goals
 - o Use your pre-work to guide you





WI Example: EHDI State Aims

By April 1, 2012, the Wisconsin Sound Beginnings Program will improve hearing screening, diagnosis and early intervention so that:

- 97% or more of newborns are documented to have received an initial hearing screening by 1 month of age (30 days)
- 90% or more of infants who do not pass their initial screen are documented to have received an audiological evaluation by 3 months of age (91 days).
- 80% or more of children who have a diagnosed permanent hearing loss are documented to have an IFSP date (enrolled in early intervention) by 6 months of age (180 days).



WI Example: An Introduction to Aspirus Community of Practice

- Obstacle identified: significant no-show rate at the audiology clinics for babies who did not pass newborn screening. Leads to delayed evaluation.
- Hypothesis: hospital is depending on families or PCP to schedule follow-up appointment. Followup will increase if families are assisted in making the appointment prior to hospital discharge.
- Birth hospital, Audiology clinic and PCP office must all be engaged in improvement planning.

WI Example: <u>Health System Aim</u> Aspirus Community of Practice

Aim Statement: By January 1, 2012 Aspirus Health System will improve the care provided to families who deliver at our hospital by assuring that:

- 99% of well babies are screened before hospital discharge
- 100% of infants who DO NOT PASS and 95% of infants who PASS will have the results reported to and received by PCPs
- 90% of well babies born in the Aspirus Health System who DO NOT PASS their hearing screening receive an audiologic evaluation by 3 months of age (90 days)



What is HRSA-14-006 trying to

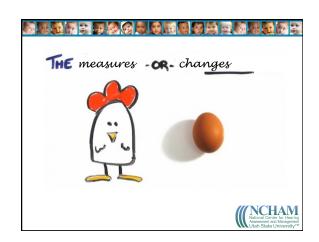
What is HRSA-14-006 trying to accomplish?

By April 1, 2017, awardees of HRSA-14-006 will utilize quality improvement strategies to improve the number of infants who receive appropriate and timely follow up so that the LTFU/LTD as reported through the CDC annual EHDI survey decreases from a national average of 35% (2011 annual data) to 20% (2016 annual data).











How Do We Know That a Change is an Improvement?

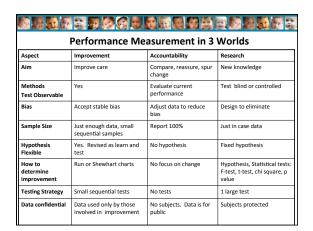
- Quality Improvement is about changing and improving care provided to infants and their parents
- · It is not about measurement.
- However

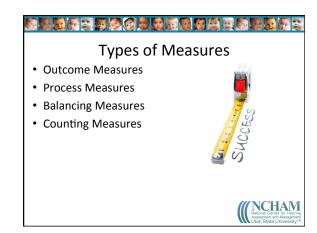


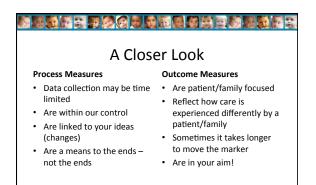
Measurement Assumptions

- The purpose of measurement in QI is for <u>learning</u> not judgment
- All measures have limitations, but the limitations do not negate their value
- Measures are <u>one</u> voice of the system. Hearing the voice of the system gives us information on how to act within the system
- Measures tell a story, goals give a reference point

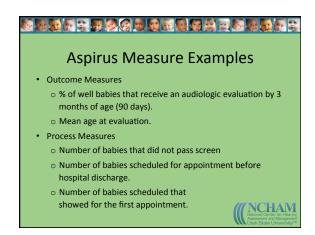




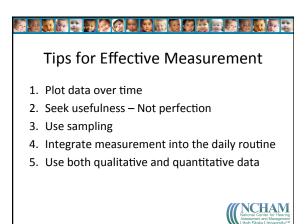




NCHAM



Measurement Guidelines Need a balanced set of measures to assure that the system is improved. These measures should reflect your aim statement & make it specific Collaborative and team specific measures Measures are used to guide improvement and test changes Integrate measurement into daily routine

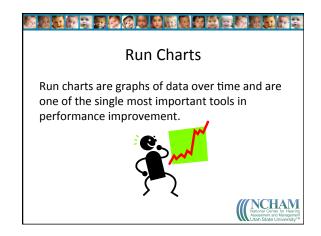




Using your Data

- Now that you have collected data it is important to show it off!
- How you graph your data has a major impact on what you can do with it.



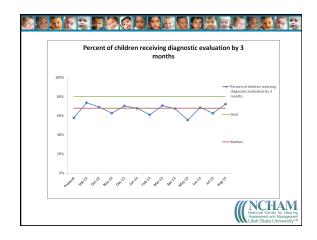


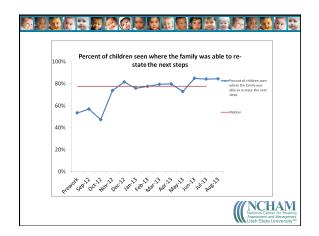
Benefits of Run Charts

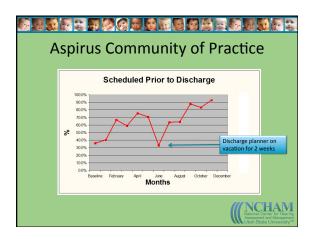
- They help improvement teams formulate aims by depicting how well (or poorly) a process is performing.
- They help in determining when changes are truly improvements by displaying a pattern of data that you can observe as you make changes.
- They give direction as you work on improvement and information about the value of particular changes.

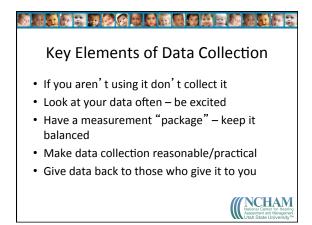
NCHAM

National Center for Hearing
Assessment and Management



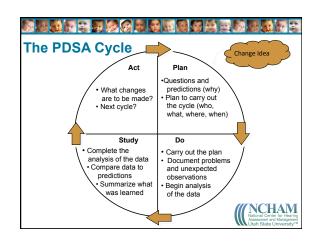


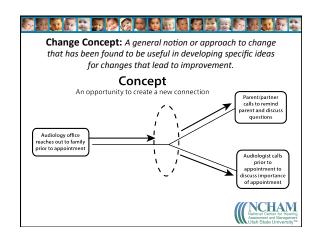




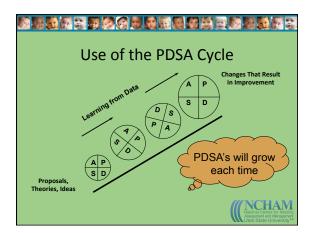














WI Example: An Introduction to Aspirus Community of Practice

- Obstacle identified: significant no-show rate at the audiology clinics for babies who did not pass newborn screening. Leads to delayed evaluation.
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PDSA #1:PLAN

To decrease audiology no-show rate and reduce age at evaluation:

- PCP partner will discuss the creation of standing orders that will allow well baby nursing staff to make the follow-up audiology appointment prior to the next team huddle.
- Audiology partner will notify the scheduling staff that the birth hospital will be calling to schedule appointments for babies that refer on the Newborn Hearing Screening.





PDSA #1: DO / STUDY

Hospital Results: 3/5 babies were scheduled for appointment before hospital discharge.

Study Observations: 2 infants that were not scheduled were weekend discharges and the audiology office was closed. Next PDSA needs to address this issue.

 Appointment was written on the discharge summary. May want to consider a better way to give families the appointment information.



PDSA #1: DO / STUDY (Continued)

PCP Results: Pending results of PDSA a policy could be changed in favor of standing orders. Peds expressed no concerns with standing orders.

Audiology Results: 3/3 families with appointments scheduled showed for the appointment.

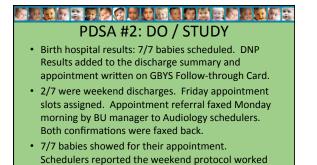
Study Observations: Scheduler made the wrong kind of appointment. Appointment was written on the discharge summary. May want to consider a better way to give families the appointment info. GBYS Follow-through Card?



PDSA # 2: PLAN

- Expand on original PDSA with new plan for weekend discharge.
- Birth hospital will schedule the follow-up appointment for the next 5 babies that refer on the Newborn Hearing Screening and the next baby that refers and is discharged on a weekend.
- Audiologists will remind schedulers to use 30 minute appointment slot for infants who refer and will hold 1 Friday morning slot for weekend discharges.







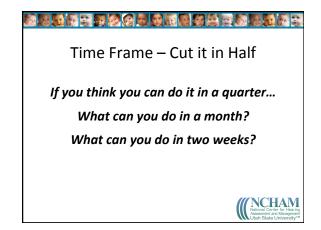
Why Test?

smoothly without much impact on their time.

Recommend expansion and continued testing!

- 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

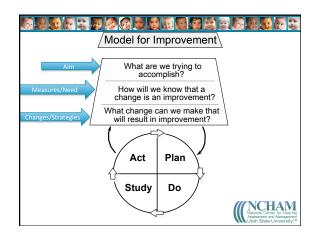




Successful Cycles to Test Changes

- 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





Upcoming Webinars • Friday, Nov. 15, 2013 at 2:00-3:15 ET: How to include QI in your HRSA proposal • Tuesday, Nov. 19, 2013 at 2:30-4:30 ET: Question and answer session

If you have not already done so, please register for future webinars by going to

http://www.infanthearing.org/webinars/qi



