

Quality Improvement and Public Health in Kansas

Storyboards

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Source: Michigan's Approach to QI Story Boards (NNPHI Teleconference, September 19, 2008)



PART I WHAT IS A STORYBOARD



A Quality Storyboard Is:

A VISUAL method for displaying a quality improvement story!



Storyboard History & Use

Surfaced at Walt Disney Studios during the 1920's to "articulate a story in an embraceable way!"

Illustrated cartoons for short subjects then moved to larger scale efforts (Gone with the Wind in 1939!)

Having proved themselves in other fields & industries, storyboards are now being applied to system development, web development, instructional design, and quality improvement

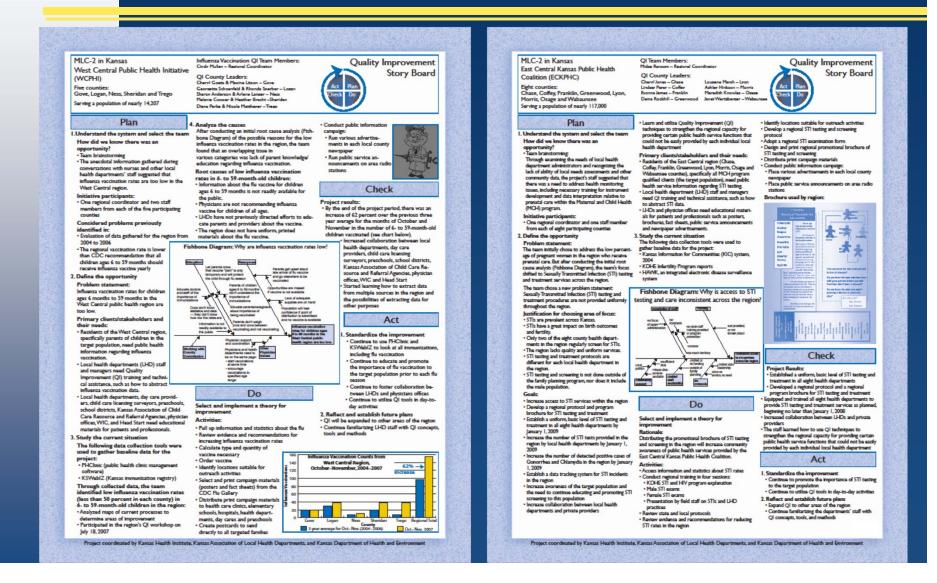


Why QI Storyboards?

- Tell your QI story in an organized way
- Depict your team's progress
- Guide the work of the team
- Help to document and share...
 - Steps that were taken to implement quality improvement projects
 - Lessons learned
 - Potential impact
- Give users real content that is easy to understand
- Highlight your accomplishments!



Sample Storyboard





PART II ORGANIZATION & COMPOSITION



Plan-Do-Check-Act

Plan

1. Understand the System and Select the Team \checkmark How did we know there was an opportunity? Example: team brainstorming 2. Define the Opportunity ✓ Problem statement Justification for choosing area of focus ✓ Goals Primary clients/stakeholders 3. Study the Current Situation ✓ Data collection tools 4. Analyze the causes

✓ Root cause analysis (fishbone)



Plan-Do-Check-Act Cont'd....

Do

5. Select and Implement a Theory for Improvement

- ✓ Rationale
- ✓ Activities

Check

6. Project results (measurable)

 \checkmark Increase of x% over the previous year

Act

7. Standardize Improvement

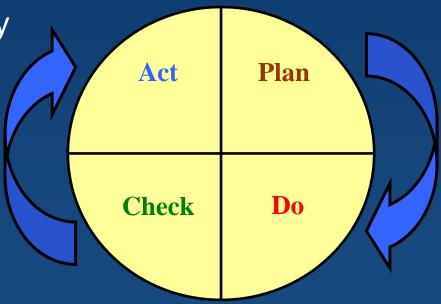
8. Reflect and Establish Future Plans



Milestones

In general, each team should strive to depict the:

- Aim Statement
- Improvement Theory
- Data & Results
- QI Tools Used
- Learning





PART III Telling the Story



WCPHI Influenza Vaccination Project

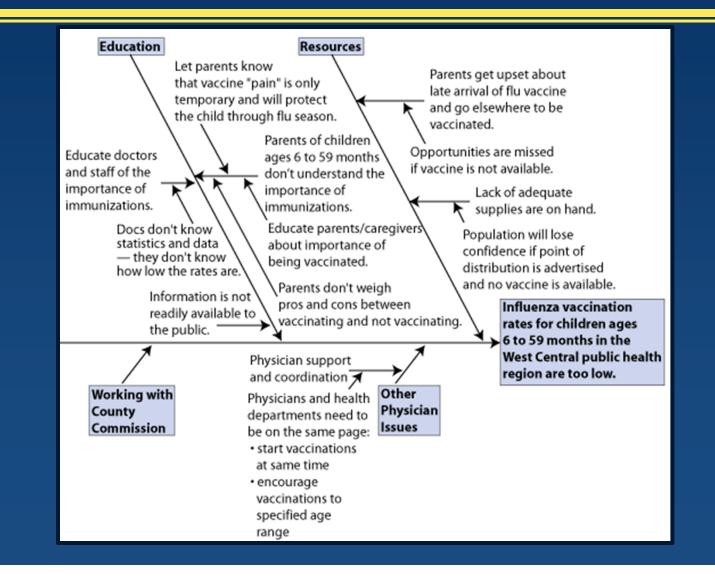
PLAN

- Team brainstorming, anecdotal information, 2004 and 2006 data influenza vaccination rates are too low
- 2. Problem Statement: Influenza vaccination rate for children 6 to 59 months in the West Central Public Health Region are too low.
- 3. Stakeholders and Their Needs: parents (need information), LHDs (QI training)
- 4. Data Collection Tools: KSWebIZ, PHClinic
- < 50% in each county
- 5. Implement QI Tools (fishbone) lack of parent knowledge



WCPHI Influenza Vaccination Project Cont'd....

Fishbone Diagram: Why are influenza vaccination rates low?





WCPHI Influenza Vaccination Project Cont'd...

Do

6. Activities:

- > Pull up information and statistics about the flu
- Review evidence and recommendations
- Calculate type and quality of vaccine necessary
- Oder vaccine
- Identify locations for outreach activities
- Select, print and distribute campaign materials
- Create and send postcards to target families

Check

7. Results: activities previous 3 year average



WCPHI Influenza Vaccination Project Cont'd...

ACT

- Continue to use data collection tools; continue to promote importance of flu vaccination; continue to use QI tools in day-to-day activities
- 9. Future Plans:
 - Expand QI to other areas
 - Continue familiarizing LHD staff with QI concepts and tools



PART IV RECOMMENDATIONS



TIPS









Assemble a "storyboard" team early in the process: 3 people
Review the MLC-3 pilot projects' storyboards

- Use storyboards as a part of the planning process
- Organize and keep all the project's materials!!!



TIPS Cont'd.....

- Be as succinct as possible. Include only critical information
- Design for ease of comprehension and readability
- Use visual images such as charts & graphs
- Avoid jargon when possible
- Make the steps that you took to conduct the project readily apparent
- Display the data used throughout the process
- Outline conclusions based upon data
- Present plans for sustaining the improvement or further investigation



PART V MLC-2 Storyboard experience



Storyboard package

3 storyboards

- 1 "short" + 1 "long version"
- 3 information sheets:
 - Quality Improvement and Public Health
 - "Functional regionalization" and Public Health
 - Kansas Pilot Projects



How Did We Use Storyboards?

Used by the LHDs as internal communication tools to "tell the story"

Used during MLC-2 and MLC-3 National Meetings to share Kansas QI progress & results with national partners and other states

KALHD Mid-Year Meeting

Convening with legislators



Regional "storyboard experience" rating...

Successes

- Served as powerful tools for learning more about the region's own MLC-2 projects
- Helped communicate QI processes to LHD staff and other stakeholders
- Adopted storyboards for their future planning purposes

Pitfalls

- Storyboards developed at the end of the project
- Regions involved at the review stage of the process
- Could have served as helpful planning tools for the regions
- Spent more time than anticipated
- Lack of a uniform project documentation