## BUILDING THE BEST DESIGN TO IMPROVE OUTCOMES

Sharon Jacobson MBA RN CPHQ Patient Safety Specialist

## POSITIONING FOR ENHANCED ENGAGE

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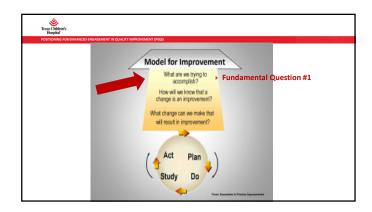
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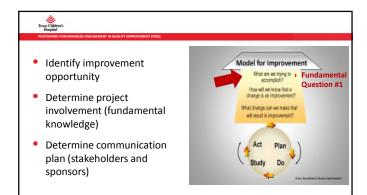
## OBJECTIVES

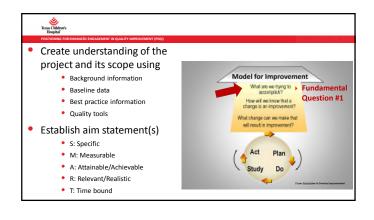
- Describe the quality improvement model as adopted by the Institute of Healthcare Improvement (IHI).
- Examine tools that enhance the implementation of the Model for Improvement.
- Describe the roles and responsibilities of quality improvement teams.

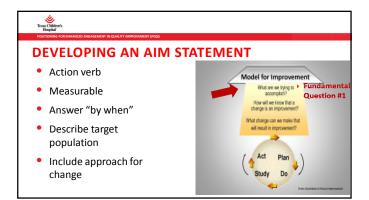
#### Texas Children's Hospital THE MODEL FOR IMPROVEMENT • The Model for Model for Improvement Improvement What are we trying to accomplish? Framework Now will we know that a change is an improvement? • Three Fundamental hat change can we make that Questions al most in immore ٠ Repeated use of the Act Plan PDSA cycle Do Study

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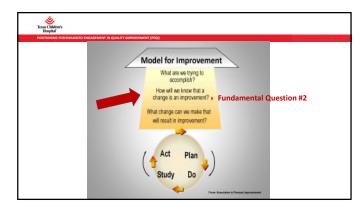




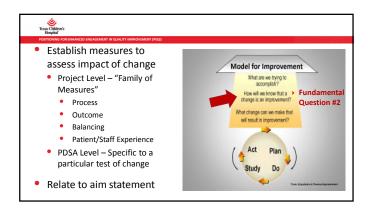
## GROUP EXERCISE – HOW "SMART" ARE THESE AIM STATEMENTS?

- 1. Increase correct use of EHR templates from 0% to 100%.
- 2. Decrease clinic appointment wait times from 34 minutes to 28 minutes by FY18 Q2.
- 3. Reduce call abandonment rate by December 31st.

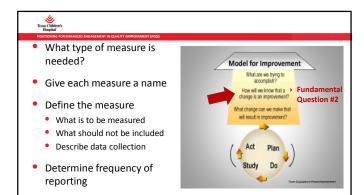
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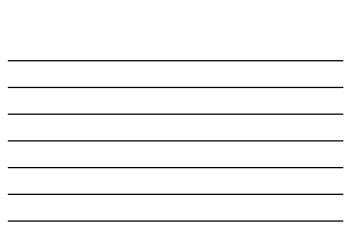


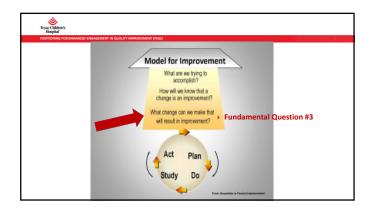


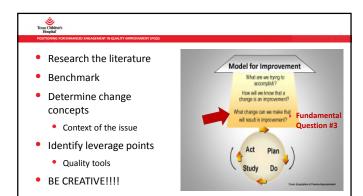


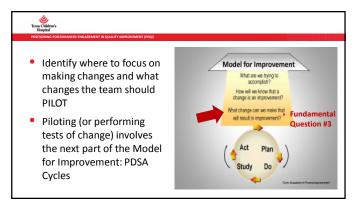


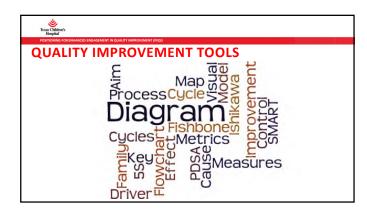
Aim: Reduce rate of acute care codes by 25% by December 31, 2017.				
Туре	Measure Name	Definition, how to collect, etc	Frequency	
Outcome measure	Code rate	# Code events, as defined by CPR Committee, per 1000 patient days for target units	Monthly	
Outcome measure	Days between code events	# Days since last code event, as defined by CPR committee, on target units	Monthly	
Process measure	Simulation participation	Percent of staff on target units who participated in simulation exercises on the identification of the deteriorating patient	Weekly by shift	
Balancing measure	RRT rate	# of RRT events per 1000 patient days for target units	Monthly	









## BRAINSTORMING

- Need to generate ideas
- Team is stuck on "same old way" of thinking
- Team engagement
- Pose question to group
- Time limit
- Write down and submit
- NO IDEA IS A BAD IDEA

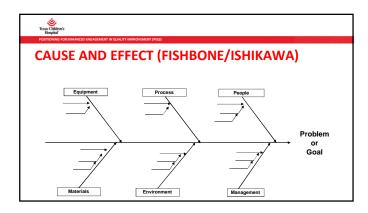


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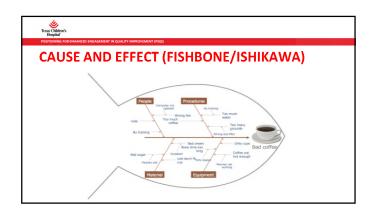
## CAUSE AND EFFECT (FISHBONE/ISHIKAWA)

- Identify and display causes related to a problem
- Focus on content of problem
- Place problem statement in box
- Create major spines
- Major cause categories
- Labels should relate to category

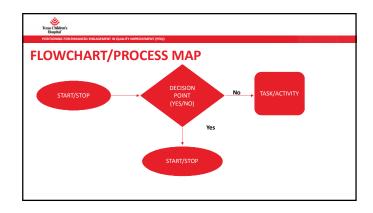


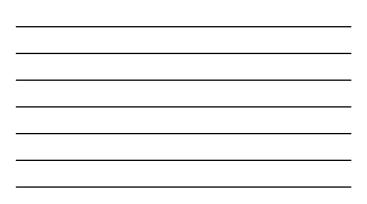


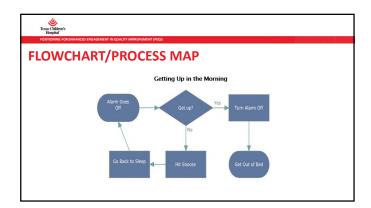












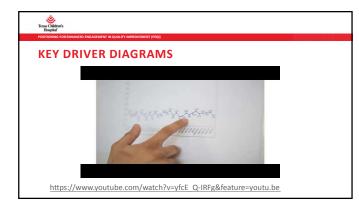
## **KEY DRIVER DIAGRAM**

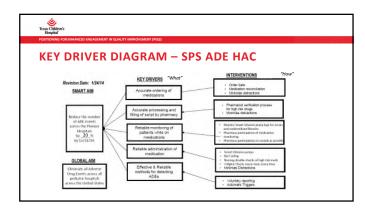
- Helps illustrate the big picture
- Links change concepts to the issue
- Encourages expansion of thinking





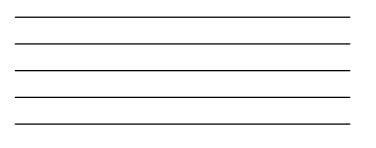
Drivers that influence outcomeChange ideas that can achieve drivers

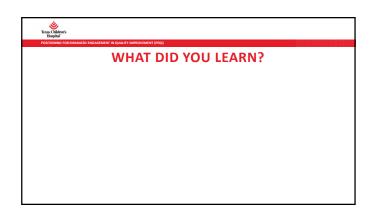


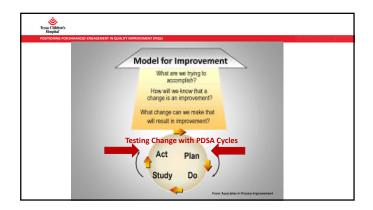


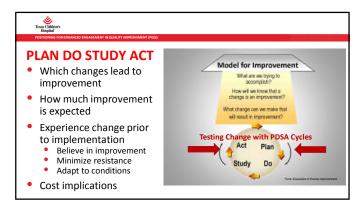


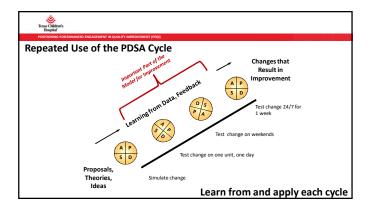




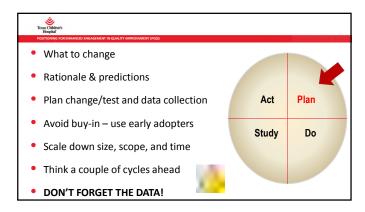




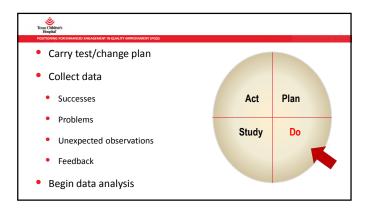



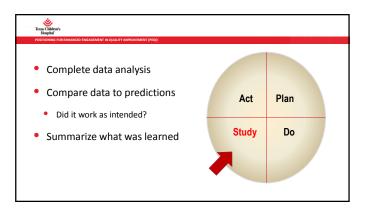




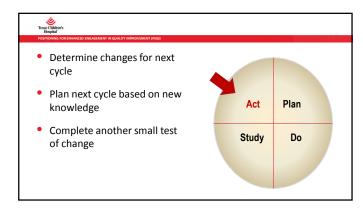


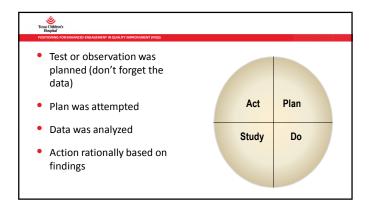


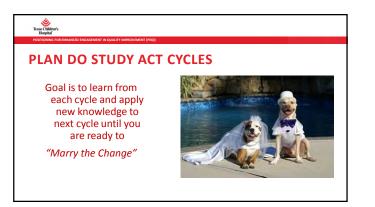


















## TEST YOUR KNOWLEDGE - THREE FUNDAMENTAL QUESTIONS

- 1. What are we trying to accomplish?
- 2. How will we know that a change is an improvement?
- 3. What change can we make that will result in improvement?



# TEST YOUR KNOWLEDGE - FAMILY OF MEASURES

- 1. Process
- 2. Outcome
- 3. Balancing
- 4. Patient/Staff Experience



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## TEST YOUR KNOWLEDGE - 4 STAGES OF PDSA CYCLES

1. Plan

2. Do

3. Study

Cycles?

5. What is the goal of PDSA

4. Act



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### **REMEMBER!**

- All improvement requires change but all change does not lead to improvement
- Data is key in impacting change
- The Model for Improvement and PDSA cycles are your friends
- YOU ARE INTEGRAL TO THE CHANGE!!!



## **QUALITY IMPROVEMENT TEAMS**

Sharon Jacobson MBA RN CPHQ Patient Safety Specialist

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## **OBJECTIVES:**

- Review the attributes of effective high performing teams.
- Describe the roles and responsibilities of quality improvement teams.
- Recognize team dynamics that maximize team effectiveness.

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## TEAM

- A group of multi-skilled employees
- Improve production or process
- Design new process
- Linked in a common purpose
  - High-complex tasks
  - Interdependent subtasks



## **TYPES OF TEAMS**

Project Teams

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- Temporary, special focus
- Core members participate throughout project
- Affiliated (resource) members participate when needed
- Ongoing or Functional Teams
  - More permanent
  - May be natural work teams or process management teams

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### **GROUP EXERCISE**

- Experiences/Observations
  - Characteristics of Effective Teams
  - Characteristics of Ineffective Teams



## **HIGH PERFORMING TEAMS**

• Goal Clarity

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- Complementary Leadership
- Appropriate Membership
- Collaborative Style
- Organizational Support



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### **STAGES OF TEAM GROWTH**

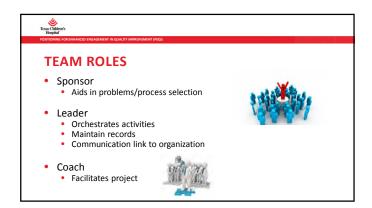
- Forming
  - Proud and excited yet worried about the job ahead
- Storming
  - Fluctuations in attitudes defensiveness, competition, arguing, disunity
- Norming
  - Formation of cohesion
- Performing
  - Ability to prevent work group problems or work
- through them • Satisfaction at the team's progress

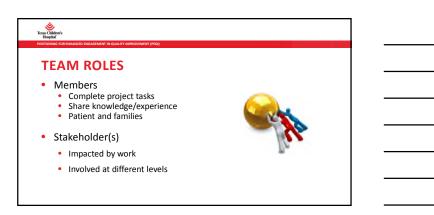
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### **CHALLENGES OF TEAMWORK**

- Unclear or meaningless goal or purpose
- Meetings unfocused or waste of time
- Lack of contribution
- Blaming vs. owning
- Expression of concerns or frustration
- Constructively discuss differing views and opinions
- No clear plan for achieving their goals







### Tesses Children's Hospital POSITIONING FOR ENHANCED ENGAGEMENT IN QUALITY

## **EFFECTIVE TEAM LEADERS**

- Organize the team assign roles
- Articulate clear goals timeline and deliverables
- Make decisions through collective input of members
- Empower members to speak up and challenge when appropriate
- Make it safe mutual respect and purpose
- Actively promote collaboration
- Skillful at conflict management

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### **EFFECTIVE TEAM MEMBERS**

- Contribute fully to the project
- Assist team leader with meeting management
- Listen to others and stay open to ideas
- Carry out assignments between meetings including getting input and "buy in" from their colleagues along the way
- Recognize they may implement the change themselves



## **CHAMPION (THE HUSKY)**

- Outspoken, Confronting
- Rule Breaking, Iconoclastic
- Power/Control Seeking
- Driven, Passionate
- Action Oriented

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• Content/technical expert, but may wear leader hat

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## **STATESPERSON (THE MASTIFF)**

- Strategic Thinker
- Influential in Organization
- Politically Discriminating
- Effective Communicator
- Trusted Exemplar of Values
- Well Networked
   Adapted from Andre'L Delberg, TCH, AQI Tail Course, 2012



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### COORDINATOR/FACILITATOR (THE GOLDEN RETRIEVER)

- Well Developed Internal/External Networks
- Social Orientation
- Facilitation Skills
- Low Power Needs

Adapted from Andre'L. Delbecq, TCH. AQI Fall Course, 2011



## TECHNICAL SUPPORT (THE TERRIER)

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- Budgets, Forms, Documentation
- Compliance
- Bureaucratic Buffering
- General Support
- Often Part-Time Assignment
  Adapted from Andry'L Delberg, TCH. AQI Fail Course, 2011









## REFERENCES

Texas Children's Hospital

- Langley G. J., Nolan K. M., Norman C. L., Provost L. P., Nolan T.W. (2009). The improvement guide: a practical approach to enhancing organizational performance. (2nd ed.) New York, NY; Jossey-Bass.
- Scholtes, P. R., Joiner, B. L., & Streibel, B. J. (1996). *The team handbook*. (2nd ed.). Madison, WI: Oriel Incorporated.
- Brassard, M., Ritter, D. (1994). The memory jogger II: a pocket guide of tools for continuous improvement and effective planning. (1<sup>st</sup> ed.). Salem, New Hampshire; Goal QPC Incorporated.



## Improvement Methodology

## •Identify Improvement Opportunity

•Determine who needs to be involved in the project (fundamental knowledge)

•Determine who needs to be informed of project (stakeholders; project sponsors)

•Build common understanding using quality tools, background information, baseline data, and best practice information

Establish project aim statement(s)

# What are we trying to accomplish?

Model for Improvement

How will we know that a change is an improvement?

What change can we make that will result in improvement?

 Establish (outcome, process, balancing, & financial)measures to assess impact of change

•Key measures relate back to project aim statement

•Develop change idea(s) / concepts by identifying leverage points in current system or inventing new ideas

•Test change idea(s) using PDSA cycles: planning and carrying out tests of change (starting small and increasing in size, as appropriate), collecting test data, analyzing the data, and making necessary modifications based upon data for next PDSA cycle





## **MEASURE DEVELOPMENT TOOL**

## What do you need to know? (notes section)

## Measure Type:

□ Outcome □ Process □ Balancing □ Experience (perception) □ Structural

**Focus/Population:** Criteria of what's in and/or what's out

**Data Source:** Describe where to get the information needed for the measure

□ EPIC (report or abstract) □ Survey □ Observation □ Experience

Other:

**Plan for Collecting Data:** What is needed to collect data for this measure? Who is going to do? When will it be done?

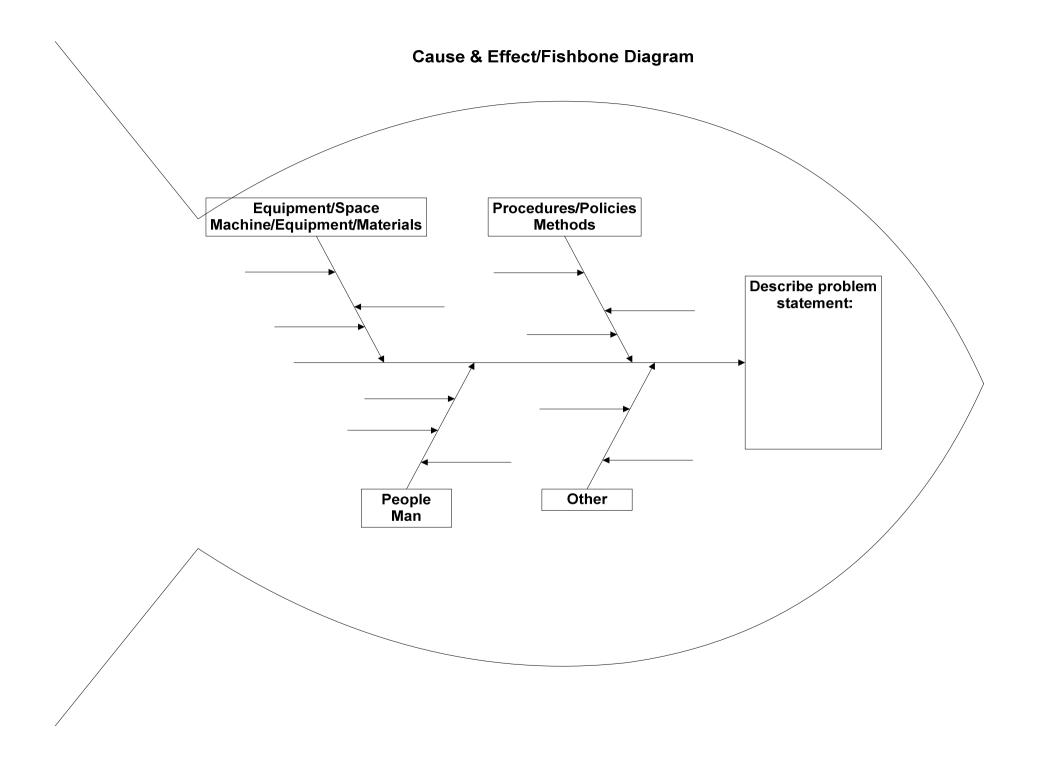
## Frequency measure to be calculated : Daily?, Weekly?, Monthly?, Quarterly?, Other?

## Is there a numerator and denominator? If so, describe:

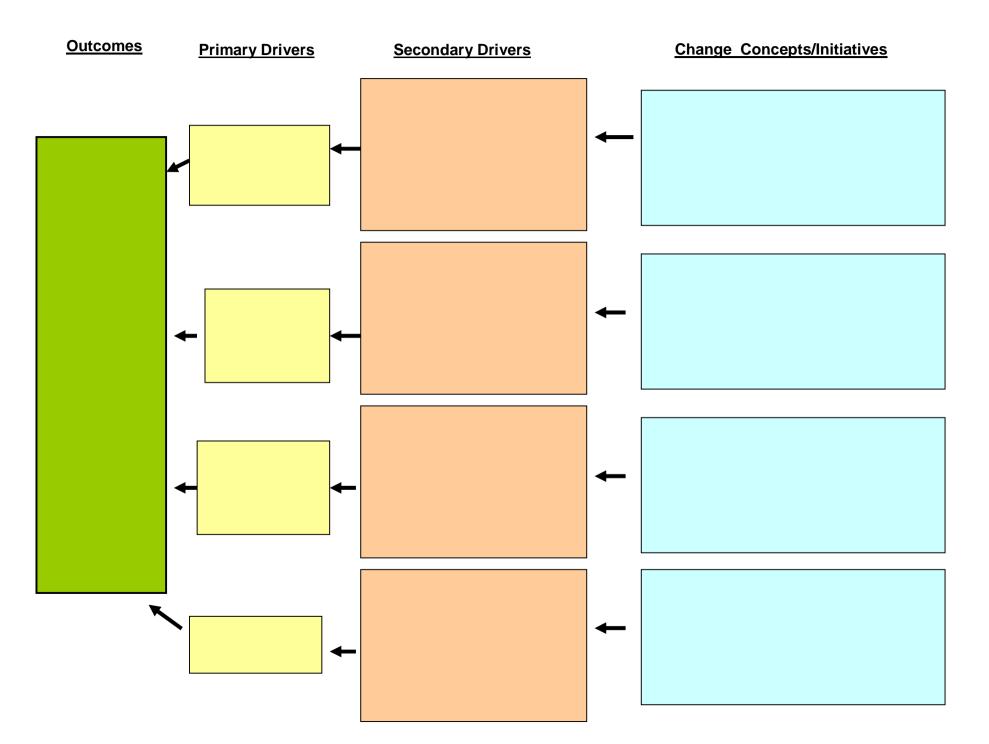
Numerator:

Denominator:

## Measure Name:



## Blank Key Driver Diagram





## PLAN DO STUDY ACT Worksheet

Project:			
P D S A	PDSA Topic: Objective for this PDSA Cycle:	Cycle #:	Date:
P L A N	Questions:Predictions:Plan for Change or Test:• Who:• What:• When:• Where:Plan for Collection of Data:• Who:• What:• When:• When:• Where:		
D O	Carry out the Change or Test. Collect		3.
S T U D Y	Complete Analysis of Data. Summariz		
A C T	Are We Ready to Make a Change? P	lan for the Next Cycle.	