

Objectives

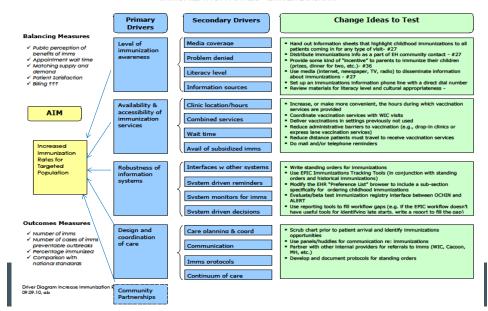
By the end of this session you will be able to:

- Evaluate and strengthen improvement charters
- Identify key components and Develop a strong aim statement
- Evaluate your team's project Charter to be more effective and lead to greater likelihood of success
- Identify the contextual factors that influence improvement project success from you MUSIQ evaluation
- Describe ways to mitigate barriers you detected using MUSIQ



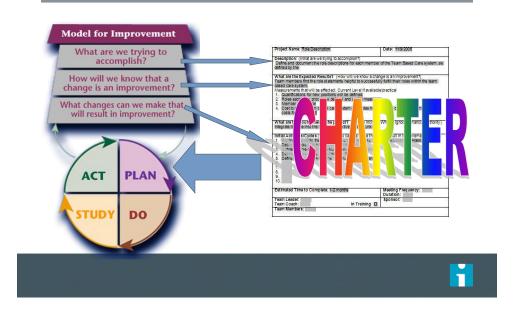
Example of a Driver Diagram





Use of the Model to ensure changes are Improvements

The Project Charter provides the set up for answering the three questions.

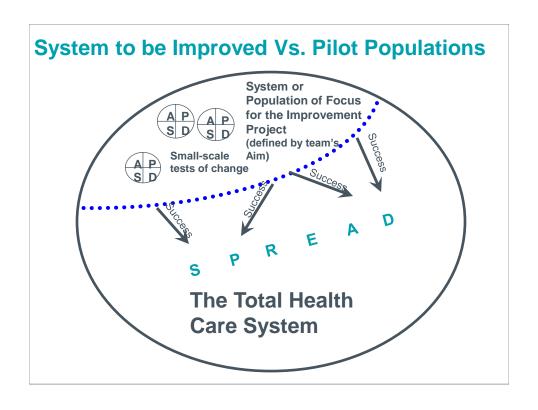


What Are We Trying to Accomplish?

- A <u>team's aim statement</u> is part of the charter and should include:
 - What is expected to happen
 - · Reduce errors, save \$, etc.
 - Timeframe
 - Actual dates
 - The system to be improved
 - · Medication distribution, pt assessment, chronic care system
 - The setting or sub-population of patients
 - · Pilot populations

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What Are We Trying to Accomplish?

- A team's aim statement should include:
 - What is expected to happen
 - Timeframe
 - The system to be improved
 - The setting or sub-population of patients
 - Goals
 - Breakthrough numeric goals
 - Why it is important to work on now (business case)
 - For some teams:
 - Guidance for the activities such as strategies for the effort, limitations, who to keep involved

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Example: ABC's Aim:

Improve Severe Sepsis Care and Decrease Severe Sepsis Mortality

Between Oct 2011 and Aug 2012, we will improve the care of patients in the City South ED with severe sepsis/septic shock through early recognition and delivery of evidence-based best practices* thereby decreasing sepsis mortality.

- Goals:
 - 10% relative reduction in severe sepsis mortality rate at City
 - 90% of patients with severe sepsis coming through ED will be identified within 60 minutes of seeing a provider
 - 100% of ED patients diagnosed with severe sepsis will receive evidence-based treatments
- *Guidance: Best practices are defined as the bundle elements critical to early recognition and treatment of severe sepsis including:
 - lactate levels, -blood cultures, -antibiotic administration within 60 minutes, -
 - and fluid resuscitation.



Exercise: Critiquing an Aim Statement---5 Min

- 1. Each table please evaluate this team aim statement
- 2. Assess the team's aim statement related to the previous slides concerning what an aim statement should include.
- 3. Be ready to share briefly
 - What are the strengths of the statement?
 - What's missing, needs to be strengthened?



Exercise: Chronic Asthma Team Aim Statement

• Aim: We are a system with 16 clinics serving approximately 8200 people with asthma. We recognize that our current treatment of the population with asthma is not optimal. Using the ICIC Chronic Care Model we will improve such that, over the next 13 months, our population of patients with asthma will experience a 25% increase in symptom-free days, a 30% reduction in the number of exacerbations reported, and a 60% reduction in the total number of hospital days.

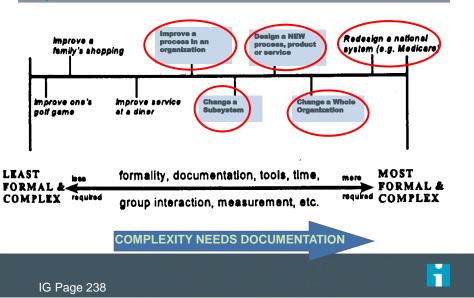


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Scale of Formality of Approach for Improvement Efforts



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Standard Format and Definitions for a Charter

What are we trying to accomplish?

General Description (briefly defines WHAT broadly)

Provides an initial orientation toward the activities of the improvement initiative, e.g., design of a new process, improve an existing product or service, etc. Describes the subsystem(s), pilot population or demonstration unit in the organization in which the improvement will take place. Reason for the Effort (defines WHY)

- •Why is the effort important?
- •How will this improvement benefit the organization?
- •What is the potential downside of this effort for the organization?
- •What data/analysis supports the choice?
- •How does it impact patients?
- Expected Outcomes (defines WHAT specifically, still not HOW)
- •Anticipated outcomes (products, tools, and deliverables) or success criteria.
- •Specific objectives to be accomplished.
- Specific, numerical goals to be attained.
 Business impact (financial, throughput, cost, and productivity).
- •Time frame: expected dates for key milestones and completion date.

How do we know that a change is an improvement?

Feedback, Measures or Indicators; define the measures that will be used to monitor the impact of this 10 MONTH improvement effort;

- Connect measures to the goals and outcomes of the charter
- •Measures monitor and guide progress of work on the charter.
- ·Consider qualitative feedback as well as quantitative measures
- •Consider both outcome and process measures.
- •Are balancing measures needed to guard against sub-optimization (unintended consequences)?

What changes can we make that will lead to improvement?

•Initial Activities: provide initial focus for the project work, e.g., specific issues to investigate and/or alternatives to consider, concept design for the team to work with, guidance on adapting and testing some specific change ideas, summarize recent patient feedback, do a process map of current reality, etc.

*Boundaries: list any project constraints, financial limitations, existing guidelines or procedures to be adhered to, software considerations, what is not to be addressed, etc.

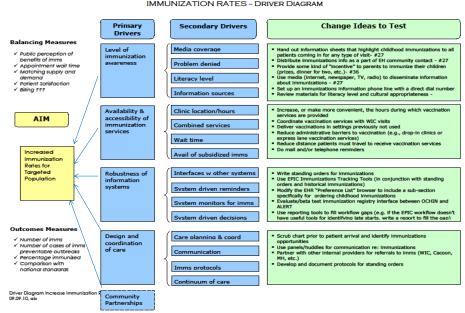
•Resources: Team membership (includes all members and the rationale for their inclusion on the team) and their expected time commitments for the work.

·Sponsorship: States the person or guidance team that is providing resources to work on the charter.

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Example of a Driver Diagram

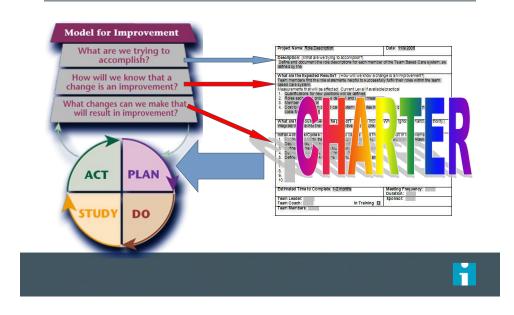
IMMUNIZATION RATES - DRIVER DIAGRAM

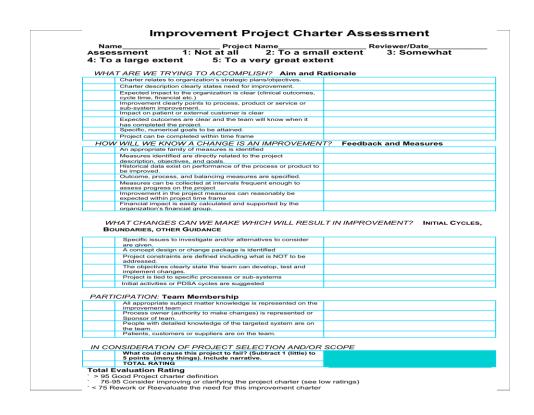


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Use of the Model to ensure changes are Improvements

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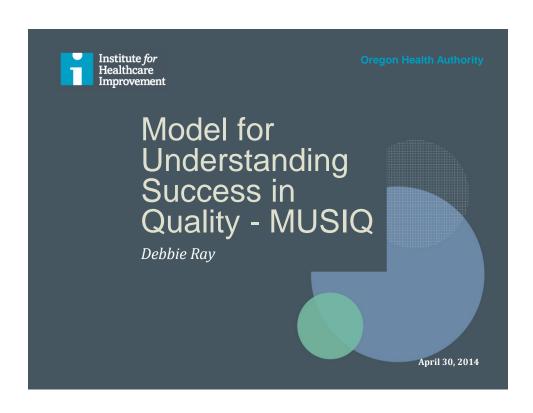




Exercise: Critique Your Entire Charter (25 min.)

- 1. Each table please evaluate the Charter using the assessment form.
- Please be sure to record a score for each element on the form as well as the total
- 3. Be ready to share





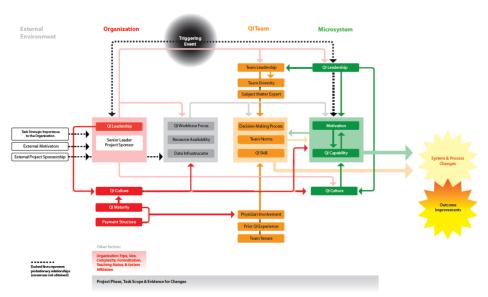
Why use the MUSIQ Assessment?

- Gives us a method to reflect on the set-up and contextual support for our improvement projects.
- Provides the opportunity to make adjustments to project and organizational support systems early in the project.





MUSIQ: Model for Understanding Success in Quality



Kaplan et al. BMJ Quality & Safety, 2011

Development of MUSIQ

•Systematic search identified 47 studies empirically examining context in QI.

•66 Contextual Factors Identified

Environment-

Competition
Managed Care Penetration
Medicare/Medicaid Influence
Regulation
TQM Adoption by Others
Accreditation

Organization

QI Leadership Culture Ownership Teaching Status QI Maturity System Affiliation Location Physician Involvement Customer Focus Financial Health Organizational Structure

Service Mix Physician Arrangements Volume Implementation Approach Motivation to Implement QI Innovativeness

Process Management

Microsystem_

Motivation to Change Champion Physician Leadership Culture/Climate Capability for Change

QI Team

Physician Involvement on Team
Group Process
Team Leadership
Team QI Skills
Group Climate
Support
Prior QI Experience
Prior Experience Working
Together

QI Support & Capacity

Data Infrastructure Resources Infrastructure for QI QI Consultants QI Workforce Focus

Miscellaneous

Strategic Importance to Organization



Example: Microsystem Motivation

Ideal: complete survey at team meeting to get input, then consensus, of rest of team members

Indicate the extent to which you agree or disagree with this statement on a 1-7 scale:

Microsystem staff who are not members of the QI team have a strong desire to improve performance in the area of focus of this QI project

| Totally | | Neither Agree | | | | Totally |
|---------|---|---------------|---|---|---|----------|
| Agree | | nor Disagree | | | | Disagree |
| 7 | 6 | 5 | 4 | 3 | 2 | 1 |



MUSIQ CALCULATOR SUMMARY TAB

Summarizes the assessments from each of the MUSIQ components after they are completed.

| | 168 | Highest possible MUSIQ score | |
|--|---------|--|--|
| | 120-168 | Project has a reasonable chance of success | |
| | 80-119 | Project could be successful but possible contextual barriers | |
| | 50-79 | Project has serious contextual issues and is not set up for success | |
| | 25-49 | Project should not continue as is; consider deploying resources to other improvement projects | |
| | 24 | Lowest possible MUSIQ score | |

| Contextual Factor | Score |
|---|-------|
| External Motivators | 0 |
| External Project Sponsorship | 0 |
| Organizational QI Leadership | 0 |
| Organization Senior Leader Sponsor | o |
| Organization QI Culture | 8 |
| Organization QI Maturity | 0 |
| QI Workforce Focus | 0 |
| Resource Availability | 0 |
| Data Infrastructure | 0 |
| QI Team Leadership | 0 |
| QI Team Diversity | 0 |
| QI Team Subject Matter Expert | 0 |
| QI Team Decision-Making Processes | 0 |
| QI Team Norms | 0 |
| QI Team QI Skill | 0 |
| QI Team Physician Involvement | 0 |
| QI Team Prior QI Experience | 0 |
| QI Team Tenure | 0 |
| Microsystem QI Leadership | 0 |
| Microsystem Motivation | 0 |
| Microsystem QI Capability | 0 |
| Microsystem QI Culture | 0 |
| Task Strategic Importance to the Organization | 0 |
| Triggering Event | 0 |

MUSIQ Insights

- Who completed the MUSIQ assessment by themselves?
- Who completed the MUSIQ assessment with their improvement team?
- Scores 25-49; 50-79; 80-119; 120-168?
- What are you insights from the MUSIQ assessment? Surprises? Identified areas to mitigate?

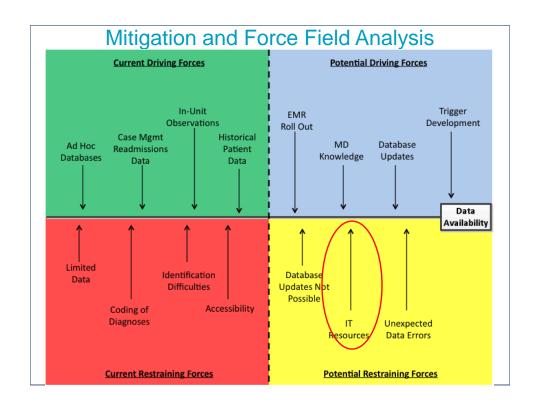


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Force Field Analysis Exercise

- Identify the MUSIQ factor that needs support or mitigation, e.g. Data Infrastructure
- Brainstorm lists of:
 - Current Existing Restraining Forces
 - Current Existing Driving Forces
 - Potential Restraining Forces
 - Potential Driving Forces
- Organize in a Graphical Format
- Prioritize Current Driving and Restraining Forces
- Develop a Plan to Reinforce Drivers and Reduce Restraining Forces

Improvement Handbook, API, pages18-1-3



Worksheet – 20 min.

| Current Driving Forces | | Potential Driving Forces |
|----------------------------|---|---------------------------------|
| | | MUSIQ Factor In Need of Support |
| | | |
| Current Restraining Forces | İ | Potential Restraining Forces |



Summary

- Context is important in the success of QI initiatives and needs to be examined systematically
- Using MUSIQ you can...
 - Identify aspects of context that must be addressed before or during the execution of your QI projects
 - Plan strategies to modify context for increased success



MUSIQ References

- Kaplan HC, Brady P, Dritz M, et al. The influence of context on quality improvement success in healthcare: a systematic review of the literature. *Milbank Q* 2010;88:500e59.
- Kaplan HC, Provost LP, Froehle CM, Margolis PA. The Model for Understanding Success in Quality (MUSIQ): Building a Theory of Context in Health Care Quality Improvement. *BMJ Qual Saf.* August, 2011 (doi:10.1136/bmjgs-2011-000010).
- Kaplan HC, Provost LP, Froehle CM, Margolis PA. An Exploratory Analysis of the Model for Understanding Success in Quality (MUSIQ), Health Care Management Review, 2012, in press.

Kaplan, HC, Provost LP, Margolis PA. Using the Model for Understanding Success in Quality (MUSIQ) to Guide Quality Improvement, IHI Forum presentation, 2011

