## Assessment Tool for a Problem-Solving (Proposal) A3

A3 Title: (Ex. 1) Where's the Cath??? Increasing outside cardiac cath films arriving with transferred patients

Author: XXXXX Reviewer: XXXXX Date: XXXXX

## Items (based on A3 Template) and Rating Scale

Rating

**Background** Why is the problem important?

- 1. Negative consequences (e.g., harm, frustration, waste): how specific is the clearest statement of a negative consequence of the problem?
  - 0. Not addressed
- 1. Unclear
- 2. General (eg, "harm," "difficulties," "waste")
- 3. Specific type of consequence

3

Rating. 3. Specific type of consequence

Explanation. The Background identifies several types of consequences: "delays in care...with potential for <a href="https://example.com/html/patients.">https://example.com/html/patients.</a> "financial consequences to institution," "less satisfied patients and families," and "frustrated staff." One clearly specified negative consequence is sufficient for rating "3. Specific type of consequence."

Would be "2. General" if negative consequences were identified broadly without clarifying the specific type of consequence (e.g., "difficulties for patients" rather than "increased complication rate," "problems for the institution" rather than "financial consequences to institution)."

- 2. <u>Individuals/groups</u> impacted by the negative consequences (e.g., harm, frustration, waste): how specific is the clearest statement identifying an impacted individual, group/unit, or organization?
  - 0. Not addressed
- 1. Unclear
- 2. General (eg, "staff," or "patients," but not which)
- 3. Specific individual, group, or organizational unit

3

Rating. 3. Specific individual, group, or organizational unit

<u>Explanation.</u> The Background identifies several impacted entities: "delays in care...with potential for harm to <u>patients</u>," "financial consequences to <u>institution</u>," "less satisfied <u>patients</u> and <u>families</u>," and "frustrated <u>staff.</u>" One clearly specified impacted entity is sufficient for rating "3. Specific individual, group, or organizational unit."

Would be "2. General" if impacted individuals or entities were identified broadly without clarifying the specific type of individuals/entities (e.g., "patients" rather than "patients transferred from outside the hospital to the cardiology service").

- 3. **Severity** of the negative consequences (e.g., harm, frustration, waste): how specific is the clearest statement of the severity (e.g., extent/amount) of at least one negative consequence?
  - 0. Not addressed
- 1. Unclear
- 2. General (eg, significant harm)
- 3. Specific extent/amount

3

Rating. 3. Specific extent/amount

Explanation. The Background clearly specifies the extent/amount of some impacts: "repeat procedures [average of 6/month], with unnecessary healthcare costs [average of \$3,200/study]" and "we lose > \$350,000 in revenue annually from blocked Cardiology admissions." The Background also provides descriptions of the extent of consequences: "delays in patient care of hours to several days, with potential for harm to patients;" "repeat procedures [average of 6/month], with associated potential for clinical complications for patients;" "less satisfied patients and families;" and "frustrated staff." One clearly specified extent/amount of severity is sufficient for rating "3. Specific extent/amount."

Would be "2. General (e.g., significant harm)" if the impacts were described only in general terms (e.g., potential for harm, potential for clinical complications, less satisfied or frustrated individuals, increased cost) without indicating the extent of harm, extent of lowered satisfaction, or amount of cost.

- 4. Frequency of the negative consequences (e.g., harm, frustration, waste): how specific is clearest statement of the frequency (# events/unit of time) of at least one negative consequence?
  - 0. Not addressed
- 1. Unclear
- 2. General (eg, rare, often)
- 3. Specific frequency (eg, events per unit of time)

3

Rating. 3. Specific frequency (e.g., events per unit of time)

Explanation. The Background specifies the frequency of some negative consequences: "repeat procedures [average of 6/month]" and "we lose > \$350,000 in revenue annually." However, frequency is not clear for other negative consequences: "delays in patient care of hours to several days," "potential for harm," "potential clinical

complications, "less satisfied," "frustrated." One clearly specified <u>frequency</u> of negative outcomes is sufficient for rating "3. Specified."

Note: the Background does specify the frequency of the performance problem "imaging studies . . . arrive <u>less than half [329/744] of the time</u>", however, if negative consequences do not occur every time the performance problem occurs, the frequency of the performance problem does not indicate the frequency of negative consequences, and the frequency of negative consequences must be separately addressed.

Would be "2. General (e.g., rare, often)" if only a general sense of frequency of the resulting harm (e.g., occasionally, majority of the time) were indicated.

Extent to which important negative consequences (e.g., harm, frustration, waste) are identified?
 None Inadequate Adequate Thorough Cannot assess

Cannot assess

Background - reviewer comments:

## **Current Situation** What is actually happening?

5. Current level of performance

Not addressed
 1. General words,
 but no data

2. Some data

3. Thorough and robust data

3

Rating. 3. Thorough and robust data

Explanation. In Background: "imaging studies...arrived before or with the patient less than half (329/744) of the time." In Current State, the table includes three months of baseline data for transfers arriving with films available.

Would be "2. Some data" if a general quantitative statement were made about performance (e.g., less than half of the time) were made or if data were questionable (e.g., based on a very small number of patients).

6. How is work done (process/workflow)?

0. Not addressed

1. Addressed, but unclear

2. Illustration/ description somewhat clear

3. Illustration/ description very clear

3

Rating. 3. Illustration/description very clear

<u>Explanation.</u> In Current State: The process map shows the process steps, their sequence, and who carries out each step. Problems and delays in the process are highlighted. The map would be even more informative if the time delays were quantified.

Would be "2. Illustration/description somewhat clear" if a process map or other description were present that included most key process steps and usually indicated who would perform them.

7. Clear identification of who is involved in performing the work?

0. Not addressed

1. Unclear

2. Somewhat clear

3. Very clear

3

Rating. 3. Very clear

Explanation. The process map in Current State includes who is involved in performing each step of the work.

Would be "2. Somewhat clear" if individuals (e.g., nurses, residents) involved in performing the work were indicated for some parts of the work, but not for other parts of the work.

8. Performance problem/gap?

0. Not addressed 1. Unclear

2. Partially specified

3. Clearly specified/quantified

3

Rating. 3. Clearly specified/quantified

Explanation. In Background "...less than half (329/274) of the time". In Current State data are provided for three months. In Problem Statement the performance gap is clearly articulated ("Only 44% of outside hospital transfers . . . ").

Would be "2. Partially specified" if the performance problem/gap were written with some general language (e.g., "less than half") or did not state the time frame for the measurement.

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Rating. 3. Easy Explanation. In		diagram with clear ca	tegorieseasy to	understand.	
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Rating. 3. Very	v clear				
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4

information needed to perform the next step of the work in a timely and complete manner.

countermeasure were "new Resident Assistant standard work." Note: Although strong countermeasures are often not feasible, combining two or more weak or intermediate countermeasures may be sufficient. 17. How many of the proposed countermeasures are linked to identified root causes? (Review each countermeasure and see if it addresses a root cause identified in the Analysis Section.) 3 0. None linked to 1. Minority linked to 2. Majority linked to causes 3. All linked to causes causes Rating. 3. All linked to causes Explanation. The color-coded stars in the Analysis section and in the Countermeasures section show the linkage between types of causes in the Analysis section to the countermeasures addressing those causes. Would be "2. Majority linked to causes" if the majority (i.e., more than half), but not all of the countermeasures were explicitly linked to (address) root causes. To what extent are countermeasures feasible to carry out? Cannot assess Not feasible Unlikely Possibly Highly likely Cannot assess How likely will countermeasures result in achieving the goal? Cannot assess Not possible Unlikely Possibly Highly likely Cannot assess Countermeasures - reviewer comments: Action Plan To pilot & implement the selected countermeasures: what, who, when? 18. For the action plan on the A3, how clearly are activities described (i.e. "what" is to be done)? 3 0. Not addressed 1. Unclear 2. Somewhat clear 3. Very clear Rating. 3. Very clear Explanation. In Action Plan the column labeled "What" lists 7 sets of activities to be performed. Would be "2. Somewhat clear" if an action plan has some statements about what is to be done that are vague and others that are clear. 19. Are individuals identified to be responsible for each action item to be carried out (i.e. "who")? 3 0. Not addressed 1. For the minority 2. For the majority 3. For all Rating. 3. For all Explanation. The Action Plan is set up with headings in "What/Who/When" format. All major activities ("what" is to be performed) are listed with an owner ("who") to see that they are carried out. Would be "2. For the majority of action items" if individuals were identified to carry out the majority (more than half, but not all) of the actions. 20. Are estimated completion dates identified for each action item (i.e. "when")? 3 0. Not addressed 1. For the minority 2. For the majority 3. For all Rating. 3. For all Explanation. The Action Plan is set up with headings in "What/Who/When" format. All major activities ("what" is to be performed) are listed with an estimated date for completion. Would be "2. For the majority of action items" if estimated completion dates were identified to carry out the majority

Would be "2. Intermediate (e.g., standard work/roles, just-in-time reminders, or visual/cognitive aids)" if the only

(more than half, but not all) of the actions.

. <u>How clear</u> is the plan whom, when)?						
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Rating. 3. Clear (for	r all action plan activ	vities, "what will be	monitored, by wh	nom, and when" is cle	ear)	
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## **OVERALL RATING** (items 1-23)

Total points (max = 69)

69

Mean (divide total by 23 items)

Note: check that all 23 numbered items have been answered. Missing answers are coded "0."

3.0