

Guideline for Presenting Requests before HAQ

Defining the cohort

1. Clearly define the cohort of interest

Can they be identified using the various AHS data sources?

2. Why is this cohort significant?

Impact on the patient/family. Examples (also known as the "3 Ds"):

- Death (Mortality)
- Dysfunction (Quality of Life, Morbidity)
- Dissatisfaction (Patient Experience)

3. Resource utilization within the health system

Examples:

- Cost
- Hospital length of stay
- Number of visits
- Use of services

Framing Interventions for Quality Care

1. Opportunities for Improvement

- Patient perspective
What can be done to improve quality of life, patient experience, or health outcomes (the “3 Ds”: Death, Dysfunction, Dissatisfaction)?
- System perspective
Improve resource utilization — such as cost, hospital length of stay, and number of visits — while maintaining/enhancing care quality.

2. Develop a logic model




- Outcome – What are you trying to accomplish?
- Key Processes – direct or near direct drivers of the outcome
- Key structure – allows or facilitates key processes

3. Questions to reflect on

- Variation in Outcomes/Processes
Are there variations in key process and/or outcome measures across different groups within the Calgary Zone, or a significant gap between the Calgary Zone and a comparable population/cohort elsewhere in the province or country?
- Is this an AHS priority?
Has it been clearly communicated by AHS Executive, PIN, Zone Executive, Departments, or Sections?
- Can the outcome/process measures be measured using existing AHS data systems?
- Is there a definable healthcare provider group that will take responsibility for this cohort of patients?



Health Analytics Playbook

- **Play #1** **Identify, Prioritize and Define Patient Populations**
 - **Play #2** **Determine Important Clinical Outcomes for the Patient Population**
 - **Play #3** **Create a Logic Model that describes key clinical processes that result in (drive) the clinical outcomes of interest**
 - **Play #4** **Define measures for the key outcome, process and structure measures**
 - **Play #5** **Create charts / graphs with hypothetical data and test with key stakeholders to determine optimal data display**
 - **Play #6** **Source and link valid data to populate a data mart – apply data definitions for each measure**
 - **Play #7** **Automate the flow of data from the source database into the data mart**
 - **Play #8** **Use reporting software to automate the publication of graphs / charts**
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