

Using Multiple-Criteria Decision Analysis Framework to Appraise Relocation Site Options for Child Development Services and Children with Complex & Long-Term Health Care Needs

AIM: To use an evidence-based methodology and standard set of evaluation criteria in identifying relocation site options for HMC's most vulnerable children that incorporates stimulating qualities of home, school & community, and fosters quality of care and enhanced recovery

INTERVENTION:

With the adoption, customization and implementation of Multiple-Criteria Decision Analysis (MCDA) framework, the Inter-Professional Working Group followed the following process to assess Relocation Site Options:

- 1) Developed the relocation vision
- 2) Identified the relocation site options
- 3) Analyzed the current state: model of care, service delivery and staffing
- 4) Collected data on pediatric patient groups included
- 5) Developed the evidence-based evaluation criteria and ranking tool
- 6) Allocated weights to short- and long-term evaluation criteria
- 7) Ranked the relocation site options
- 8) Analyzed the results
- 9) Completed Risk and Opportunities assessments
- 10) Evaluated the results
- 11) Developed final recommendations
- 12) Engaged HMC in decision making (CSRP Board)

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PROJECT SPONSOR:

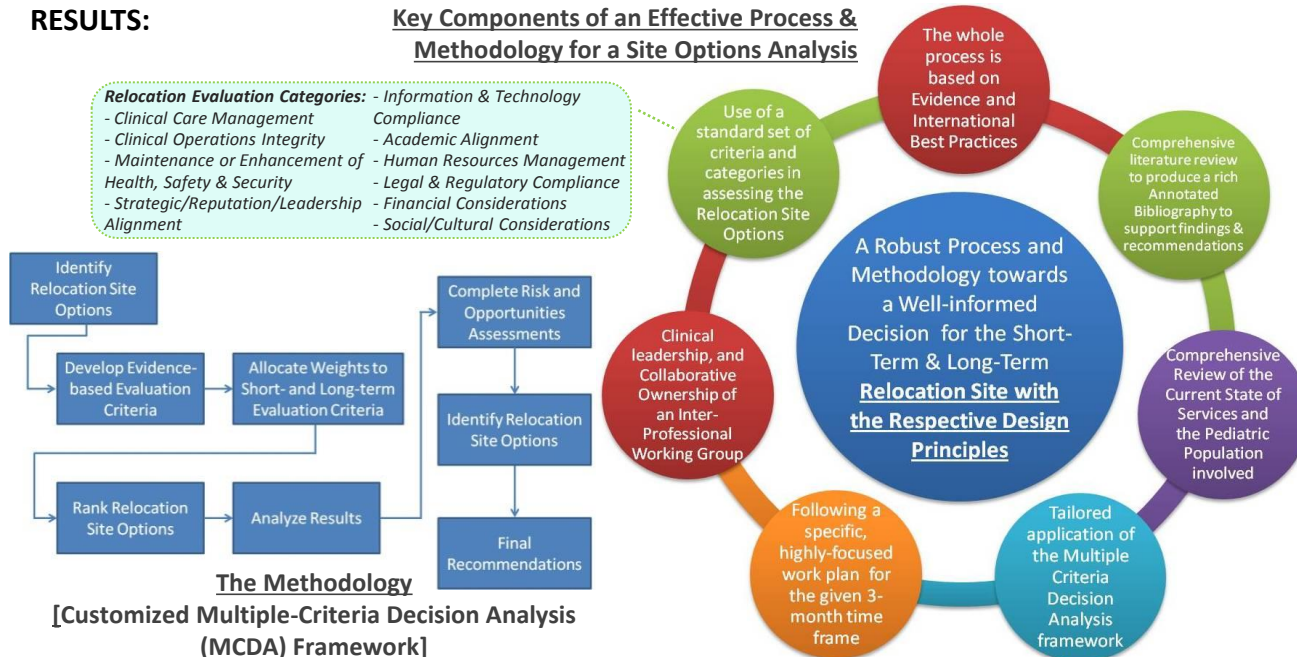
- HMC/SickKids Partnership Team

RESULTS:

Key Components of an Effective Process & Methodology for a Site Options Analysis

Relocation Evaluation Categories:

- Clinical Care Management
- Clinical Operations Integrity
- Maintenance or Enhancement of Health, Safety & Security
- Strategic/Reputation/Leadership Alignment
- Information & Technology Compliance
- Academic Alignment
- Human Resources Management
- Legal & Regulatory Compliance
- Financial Considerations
- Social/Cultural Considerations



CONCLUSIONS:

- The MCDA methodology produced clinically-supported and practical best options for the safe re-location of these complex and medically fragile children in a family-friendly environment which will meet key quality and safety requirements.
- The use of Evidence and International Best Practices to guide the process ensured that the planning was inclined towards safe and most current healthcare.
- Having a dedicated multidisciplinary workgroup enhanced communication and partnership across clinical departments. The Inter-Professional Working Group was instrumental in ensuring that both clinical and operational aspects of healthcare planning were taken into account.
- The MCDA Methodology is a robust framework that should be considered for future project where there are decisions to be made that involve complex and multi-factored variables. However, it should be noted that this framework is not transferrable and must be customized to the specifics of each situation.

NEXT STEPS:

- Phase 2 of this project involves the creation of a Facility Design brief that will ensure that the theoretical results from this methodology will be incorporated into a live design.