

Identification and implementation of indicators to monitor successful uptake of Advance Care Planning in Alberta, Canada: a Delphi study

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BACKGROUND & RATIONALE

- In April 2014, the provincial health system in Alberta, Canada, implemented a province-wide policy for Advance Care Planning (ACP) and Goals of Care Designation (GCD)
- ACP/GCD provides a formal way to register a capable patient's opinion on care details for use when the patient is incapable of communicating his/her wishes
- How to optimally implement widespread uptake of a formalized ACP/GCD framework across a large population (~4 million) and throughout a complex, multi-sector health system is not well understood

OBJECTIVE

To identify and develop *performance indicators* for use in an ACP/ GCD dashboard, to monitor and improve health system performance in ACP/GCD completion

METHODS

 Using a Delphi consensus-based approach, invited panelists (n=149 across all Delphi rounds) evaluated and refined potential ACP/GCD indicators through a combination of face-to-face meetings and online surveys

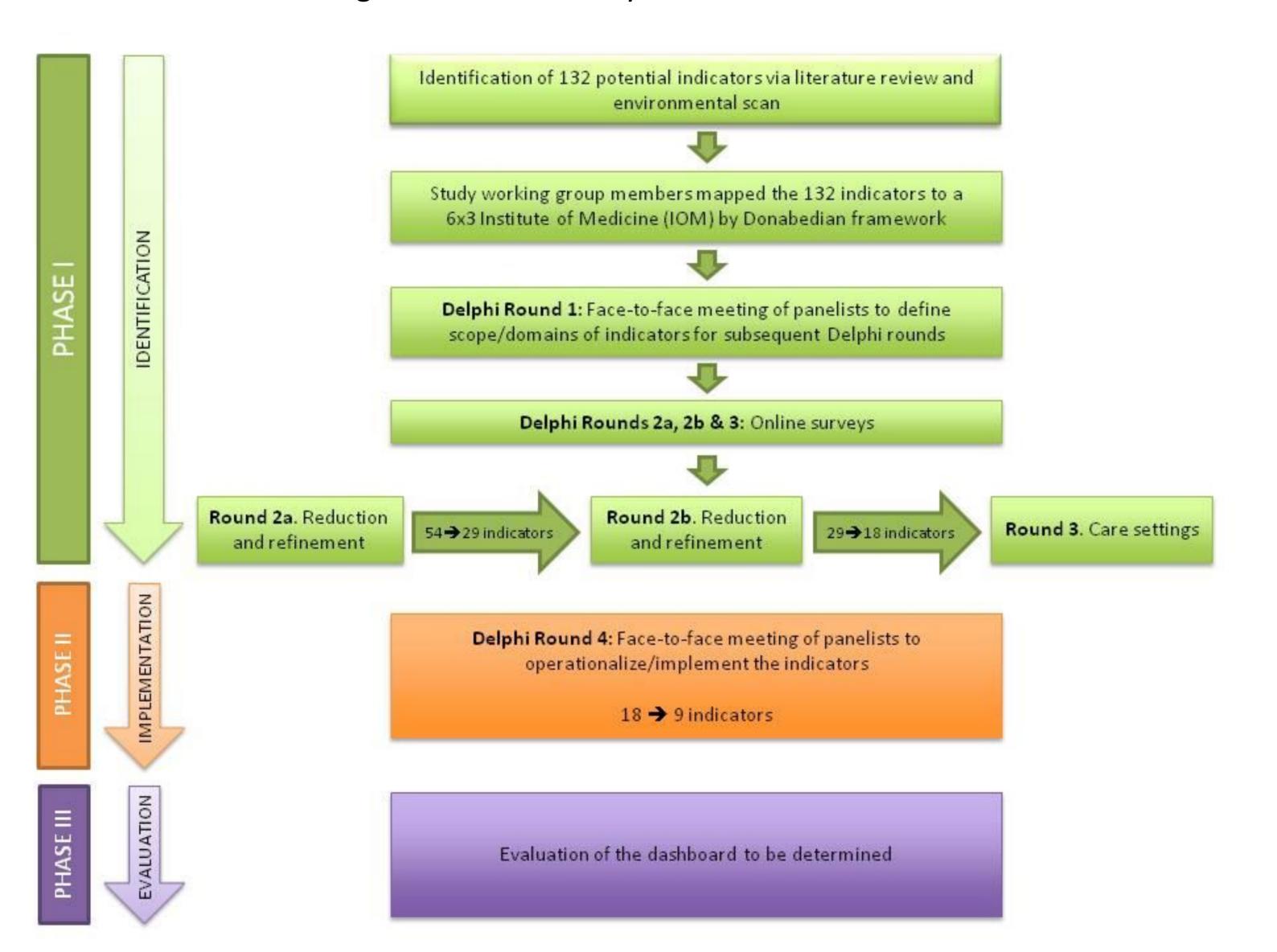


Figure 1. Study flowchart of procedures and processes

RESULTS

Delphi Round 1:

- Panelists (n=12) endorsed adoption of the 6x3 Institute of Medicine (IOM) x Donabedian framework to guide subsequent Delphi rounds
- There was strong consensus to identify indicators for each of the 18 IOM x Donabedian domains, allowing for one indicator to represent more than one domain
- 54 indicators that mapped to the IOM x Donabedian framework with the highest level of agreement were put forth to Delphi Round 2a

RESULTS CONT'D

Delphi Rounds 2a and 2b (reduction and refinement):

• Consensus (80%) was reached to retain 18 unique indicators mapping to 14 IOM x Donabedian domains

Delphi Round 3 (care settings):

All settings of care were represented by the set of 18 indicators

Delphi Round 4 (implementation):

- Panelists (n=19) operationalized **nine indicators** into a measurable format (**Table 1**), covering 11 of the 18 IOM x Donabedian domains (**Table 2**)
- Definitions were standardized and data sources defined, tested and substantiated

Table 1 ACP/GCD indicators (n=9) operationalized into measurable format after Delphi Round 4

| Indicator | Data source |
|---|---------------------|
| 1. Percentage of healthcare providers who have completed the AHS Advance Care | Administrative data |
| Planning: Goals of Care Designations - Adult eLearning module | |
| 2. Percentage of charts with GCD order(s) in the Green Sleeve | Chart audit |
| 3. Percentage of patients with a GCD order anywhere in the health record | Chart audit |
| I. Percentage of patients with a completed ACP/GCD tracking record | Chart audit |
| 5. Percentage of patients with a Personal Directive in the health record | Chart audit |
| 5. Percentage of patients and/or alternate decision-makers who have had an advance care planning conversation with a health care provider | Telephone survey |
| 7. Percentage of deceased patients who die having had an M1, M2, C1 or C2 GCD in the | Administrative data |
| week prior to their death, who received resuscitative or life-support interventions in advance of death | chart audit |
| 3. Percentage of deceased long term care and home care patients with a C2 GCD who | Administrative data |
| were transferred to acute care and/or ICU | chart audit |
| 9. Percentage of patients or family members/friends satisfied with ACP conversation | Telephone survey |

Table 2. ACP/GCD indicators #1-9 mapped to the 6x3 IOM x Donabedian framework

| | Structure | Process | Outcome |
|------------------|-----------|------------|---------|
| Timely | #2 | | |
| Safe | | #4 | #7 |
| Patient-centered | | #6 | #9 |
| Effective | #1 | #3, #5, #6 | #7 |
| Efficient | #2 | #4 | #8 |
| Equity | | | |

CONCLUSIONS

- Nine ACP/GCD indicators have been operationalized for implementation within a web-based dashboard.
- These indicators describe a strategy to standardize evaluation and audit for ACP and GCD policies, and provide a systematic basis for reporting ACP/GCD implementation.
- The planned introduction of electronic medical records across Alberta will considerably reduce measurement costs.
- All 3 Donabedian and 5 of the 6 IOM domains are covered in the final 9 indicators, supporting development of a balanced panel of indicators.

CONTACT

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