



a place of mind



# Selecting Generic And Condition-specific Proms For Policy and Program Evaluation



## A Canadian Example

PROMs Summit  
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# Context



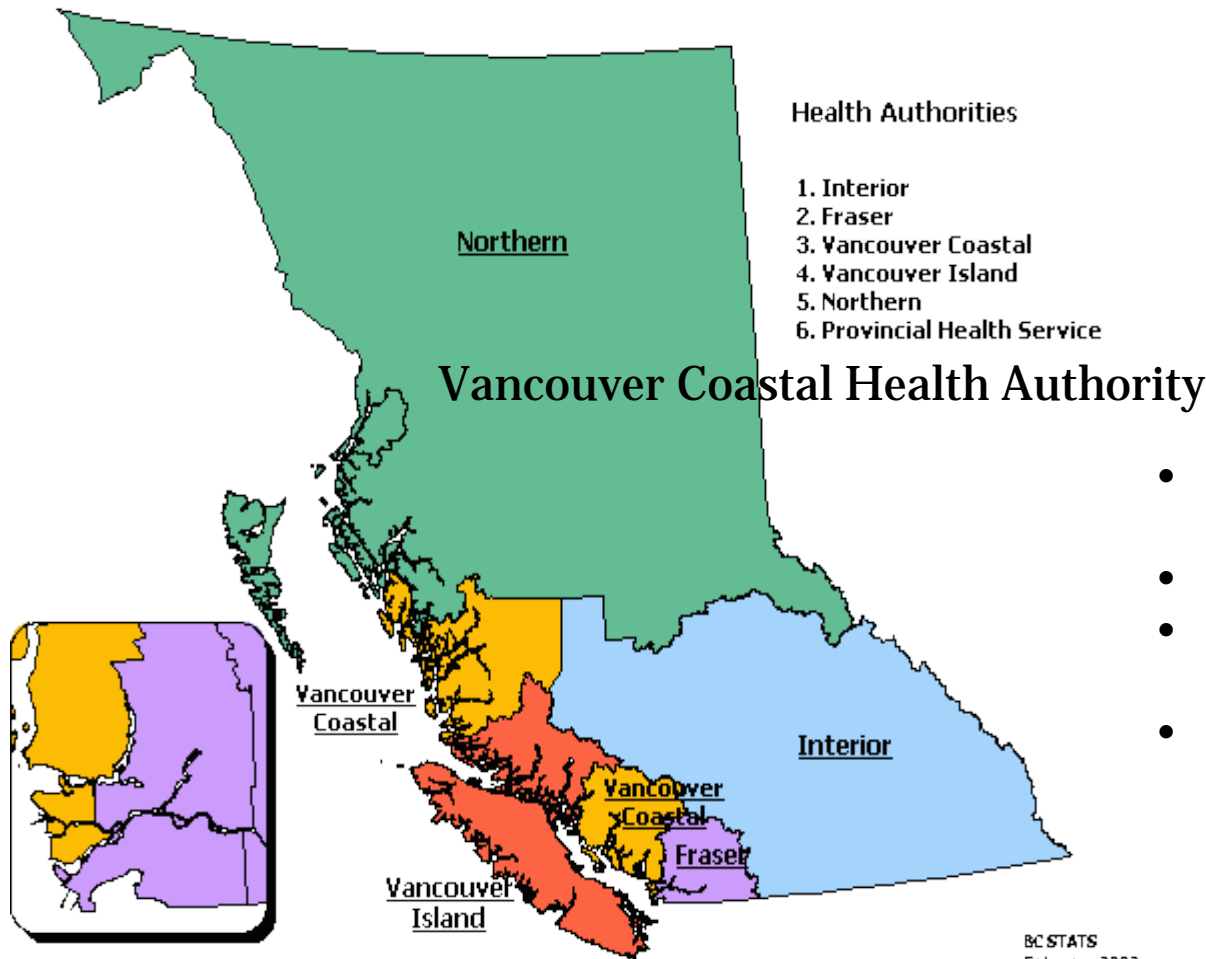
- Canadian patients wait longer for elective surgical procedures than patients in other countries.
- Some strategies to address surgical wait lists
  - ✦ 10-Year Plan to Strengthen Health Care strategic investments
  - ✦ Improvements in measuring and reporting wait times consistently across country
  - ✦ Setting targets
  - ✦ Increasing surgical volumes
- Progress has slowed

# VALHUE



- **Purpose**
- **Characteristics of VALHUE:**
  - ✦ Research/quality improvement project
  - ✦ Serve the needs of surgeons and administrators
  - ✦ iKT: integration of clinicians and administrators to increase likelihood of uptake
- **Methodology/ Design**
- **Potential applications**

# Vancouver Coastal Health Authority



- Serve 25% of B.C.'s population
- \$2.8 billion annual budget
- 316 surgery patients in our operating rooms daily
- Conduct 82,000+ inpatient discharges

# VALHUE



- **37 surgeons**
- **7 specialties:**
  - ✦ General Surgery
  - ✦ Gynecology
  - ✦ Neurosurgery
  - ✦ Orthopaedics
  - ✦ Otolaryngology
  - ✦ Plastics
  - ✦ Urology
- **6 hospitals**
- **133 elective surgical procedures**

# Instruments – Selection Criteria



<b>Use in similar settings</b>	<b>Appropriate for use in a self-administered mail survey</b>
<b>Affordability</b>	<b>Minimize costs associated with using the instruments</b>
<b>Respondent burden</b>	<b>Minimize the total number of questions included in the survey package</b>
<b>Ability to rank order health states</b>	<b>Preference for an instrument that leads to health index vs. health profile</b>
<b>Canadian applicability</b>	<b>Normalized distribution of the Canadian population-based health statuses</b>
<b>Surgeon recommendation</b>	<b>Employ clinical expertise, facilitate uptake of results</b>

# Selecting a Generic PROM



<b>Instrument name</b>	<b>Use in similar settings</b>	<b>Affordability</b>	<b>Respondent burden</b>	<b>Ability to rank order health states</b>	<b>Canadian applicability</b>
Euroqol EQ-5D	National Health Service (NHS) US National Health Measurement Study (NHMS)	No license fee	6 questions	Health index	Canadian norms available
Health Utilities Index (HUI3)	Canadian Community Health Survey (CCHS) Canadian National Population Health Survey (NPHS)	\$4,000-\$6,000	15 questions (can vary)	Health index	Canadian norms available
Quality of Well-Being Scale (QWB)	US National Health Measurement Study (NMHS)	No license fee	50 questions	Health index	No Canadian norms
SF-12	US Medical Expenditure Panel Survey (MEPS)	Fees vary	12 questions	Health profile	Canadian norms available

# Selecting Condition-Specific PROMs

## Urology Example

Instrument name	Use in similar settings	Affordability	Respondent burden	Ability to rank order health states	Canadian applicability	Surgeon feedback
International Index of Erectile Dysfunction (IIEF)	Yes	No license fee	5 questions	Health index	No Canadian norms	Recommended
Male Sexual Health Questionnaire (MSHQ)	Yes	300€ distribution fee + 50€ language version fee	25 questions	Health index	No Canadian norms	Too long and includes unnecessary questions
Sexual Health Inventory for Men (SHIM)	Yes	No license fee	5 questions	Health profile	No Canadian norms	Unfamiliar
International Consultation on Incontinence Ques. (ICIQ-UI SF)	Yes	No license fee	4 questions	Health index + 1 unscored item	No Canadian norms	Recommended
Incontinence Quality of Life Ques. (IQOL)	Yes	No license fee	22 questions	Health index	No Canadian norms	Unfamiliar
American Urologic Assoc'n Symptom Index	Yes	No license fee	8 questions	Health index	No Canadian norms	Unfamiliar



# Challenges



- **Limited information in the literature**
- **Population norms are rare**
- **Many have large number of questions**
- **Cost**

# Conclusions



- **General health status PROMs**
  - ✦ well reported
  - ✦ easily assessed based on our selection criteria.
    - EuroQoL EQ-5D performed well on all five criteria
- **Condition-specific PROMs instruments**
  - ✦ more challenging to assess
  - ✦ 22 condition-specific instruments were chosen as the best available, but not necessarily the best fit
- **This poses a challenge for healthcare decision-makers looking to use PROMs for intra-condition evaluations to inform their policy decisions.**

# Further Research



- **More short forms**
- **Further validation**
- **More translation**
- **Users report results**
- **Instruments that can cover a number of related diseases or procedures**

# THANK YOU



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