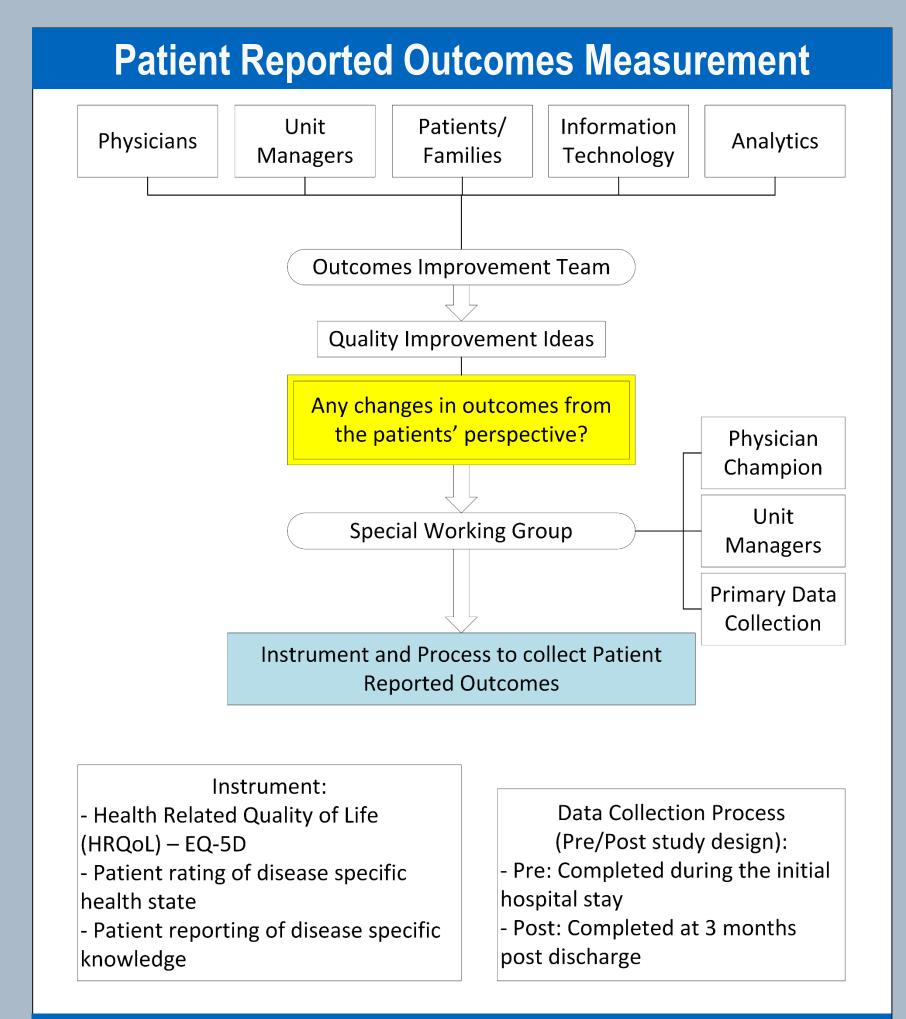


# Sharing Patients' Health Perspective in a Timely Manner – Patient reported outcomes dashboards

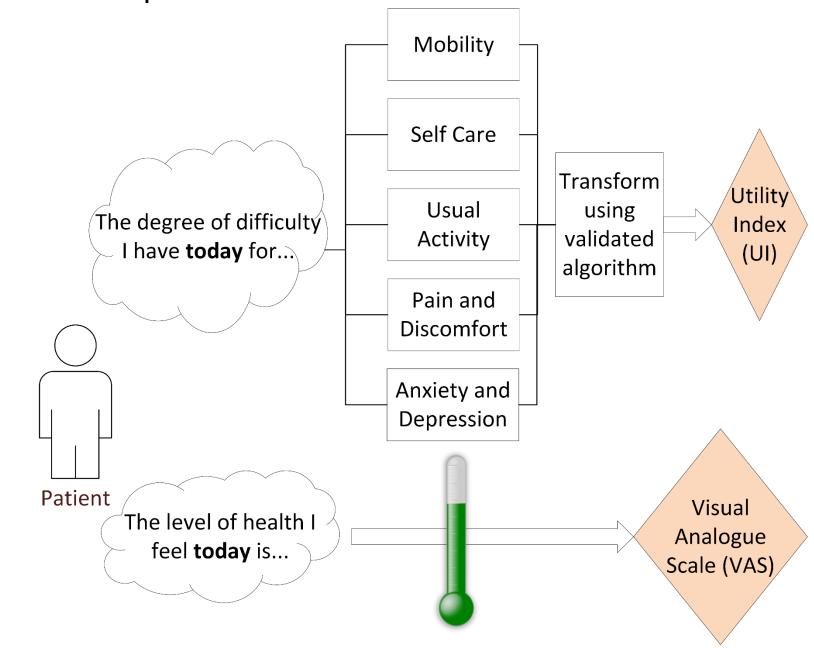
Tova Léveillé <sup>1</sup> and Flora Stephenson <sup>2</sup>

<sup>1</sup> Primary Data Support, Analytics (DIMR) <sup>2</sup> Clinical Analytics, Analytics (DIMR)

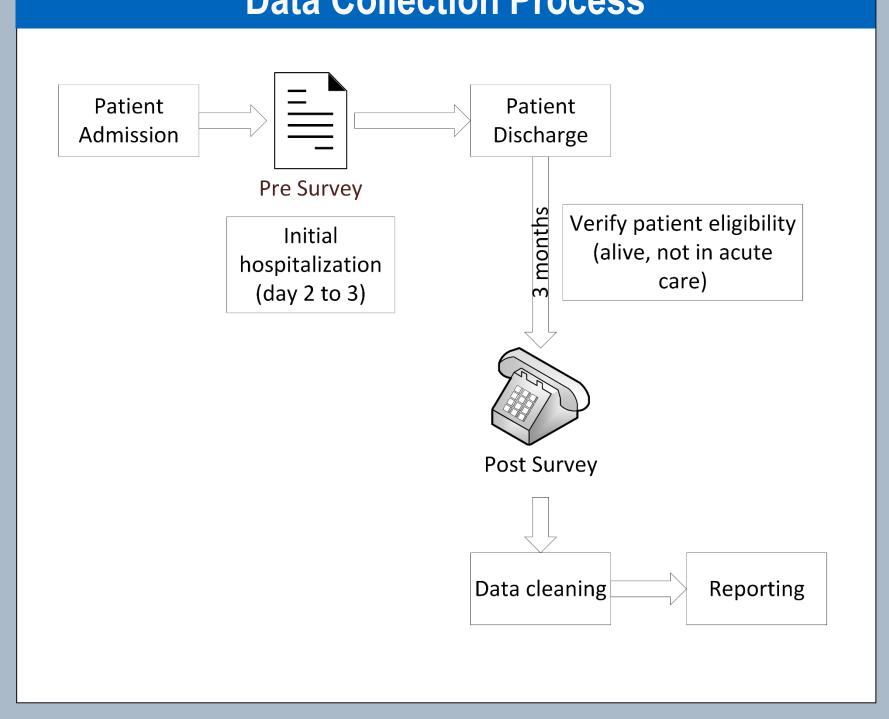


# **HRQoL Instrument - EQ-5D**

- Endorsed by AHS
- Applicable to all populations (i.e., not disease or condition specific)
- Simple to collect
- Generates 2 numeric scores for easy comparisons



# **Data Collection Process**



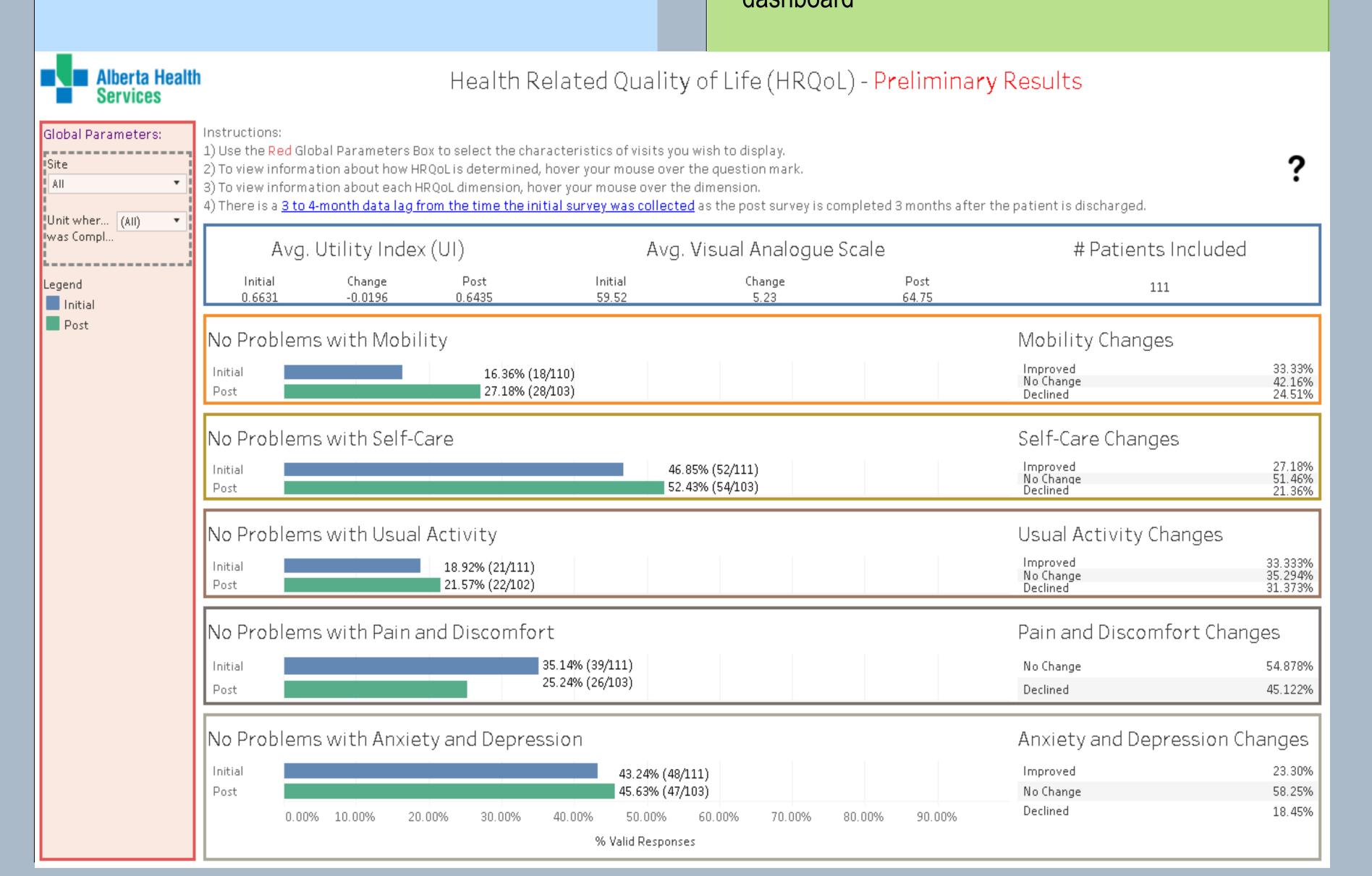
#### Solutions/Products Inpatient Health Related Quality of Life (HRQoL) Dashboard Avg. Visual Analogue Scale # who Completed Both Surveys Avg. Utility Index (UI) -0.090 56.828 146 Unit (AII) EQ-5D Results Intervention QoL Domain QoL Response 20.5% (30/146) . 24.6% (30/122) 27.0% (33/122) 28.8% (42/146) 27.9% (34/122) 14.4% (21/146) Severe problems Initia 18.9% (23/122) 6.2% (9/146) 1.6% (2/122) 51.4% (75/146) No problems 50.8% (62/122) Post 21.9% (32/146) Slight problems Initial Moderate 15.8% (23/146) problems 18.0% (22/122) 6.8%(10/146) Severe problems Initial 4.9% (6/122) 4.1% (6/146) Unable/extreme Initial problems 0.8%(1/122) 26,7% (39/146) No problems % of Valid Responses

## **Similarities:**

- Comparisons of average numeric values for Utility Index (UI) and Visual Analogue Scale (VAS)
- Provide information related to each HRQoL domain

## Differences:

- How the HRQoL domains are reported (each level of difficulty vs. no problems)
- Reporting of change in each HRQoL domain within each individual
- Standalone dashboard vs. a tab on a project dashboard



## Learnings

#### **Data Collection Process**

- Tested for project 1 and adapted for project 2
- Adaptation = large time savings

## **Data Reporting Time Lag**

- Data available as soon as data cleaning is completed
- We are examining ways to improve the efficiency and decrease reporting lag time

## **Reporting Template**

- Both projects used the same data elements but present results differently
- Design input was provided by users
- We anticipate developing a template based on these dashboards which will include:
  - Average UI and VAS
  - Each level of difficulty for each HRQoL domain
- Change in each HRQoL domain within each individual (for pre/post designs)
- This template will be used for future HRQoL dashboards and will be available to other AHS Tableau publishers.

## Reach/Audience

- Very few staff members are accessing the information (mainly Outcomes Improvement Teams)
- The dashboards need to be shared more widely
- These examples can be shown to staff members during the development phase for future projects to improve uptake and engagement.

# Acknowledgements

We appreciate the time patients have spent participating in the project. We are grateful for the ongoing project support from our colleagues Daniela Wolff, Sylvianne Greenwood-Plante, Manjit Virk, Sameer Premji, and Liping Zhang. We also appreciate all of the efforts and support from hospital staff and physicians.

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# References

The EuroQol Group (1990). EuroQol- a new facility for the measurement of health-related quality of life. *Health Policy*, 16 (3), 199-208.

Xie, F., Pullenayegum, E., Gaebel, K., Bansback, N., Bryan, S., Ohinmaa, A., Poissant, L., Johnson, J. (2016). A Time Trade-off-derived Value Set of the EQ-5D-5L for Canada. *Medical Care*, *54* (1), 98-105.