



The Journey to Measuring Outcomes in Vision Rehabilitation Services: A Orientation and Mobility Focus

Our Journey So Far...

The successful implementation of CNIB's Strategic plan Path to Change to date has positioned CNIB to be a significant player in **Vision Rehabilitation in Canada**

In March 2017 CNIB launched a **new brand Vision Loss Rehabilitation Canada** which positions CNIB as the leading authority in Vision Rehabilitation with **evidence based best practices, accredited standards and certification of our staff.**

Defining the Scope of our Services

The development of **Program Logic Models** for three core Vision Loss Rehabilitation programs: Orientation & Mobility, Low Vision and Independent Living which includes evaluation framework. Evaluation occurs **pre-service and post service at one month, six months and twelve months.**

Implementation of **Service Delivery Guidelines** that are built on best practices from the field of Orientation and Mobility, Low Vision training and Independent Living

Evidence Based Practices

In the spring of 2016 CNIB launched the use of the **Canadian Occupational Performance Measure (COPM)** as an evidence-based outcome measurement tool designed to capture a **client's self-perception** of performance in everyday living and over time.

Additionally, the **Vision Core Measure 1 (VCM1)** was implemented as a vision-related **quality of life measurement** tool used to assess a patient's feelings and perceptions associated with visual impairment.

COPM

The COPM measures the effectiveness of the client occupational performance and satisfaction.

Goals related to independence fall under 3 main occupational categories:

- 1) **Self-Care**- Personal Care, Functional Mobility and Community management
- 2) **Productivity**- paid or unpaid work, household management, school/play
- 3) **Leisure**- quiet recreation, active recreation and socialization

Client Centered Approach

The COPM immediately sets the stage for the development of a client-centered relationship where:

1. The client identifies the areas of life that are difficult for them because of their vision loss.
2. The client states how important these problems are in their life
3. The client rates how well or poorly he or she is doing with respect to those problems at the moment, and how satisfied he or she is with performance of those particular occupations
4. The client identifies the goals that he or she would like to pursue in the program

Short term outcomes

Independence (COPM): Immediately following the completion of service delivery, at least 70% of clients will have increased their independence by an average of at least 20%

Vision-Related Quality of Life: Immediately following the completion of training, at least 70% of clients rate their vision-related quality of life better by 1 interval on a 0 to 5 scale of the VCM1.

Intermediate term outcomes

Independence (COPM): At six month follow-up, after having the opportunity to apply and practice the skills they learned, at least 70% of clients will have increased their independence by an average of at least 20%

Vision-Related Quality of Life: At six month follow-up, after having the opportunity to apply and practice the skills they learned at least 70% of clients rate their vision-related quality of life better by 1 interval on a 0 to 5 scale of the VCM1.

Long term outcomes

Independence (COPM): 12 months following the completion of service delivery, at least 70% of clients will have maintained their independence by an average of at least 20% (significance = 2 points on a 10 point scale).

Vision-Related Quality of Life: 12 months following the completion of service delivery at least 70% of clients rate their vision-related quality of life better by 1 interval on a 0 to 5 scale of the VCM1

Outcome Data collection

COPM pre- service and post one month service is collected with all clients able to identify their own goals.

COPM post 6 months and post 12 months is collected with clients who have consented to participate in evaluation.

COPM Orientation & Mobility

Results indicate that over 79% of all clients receiving an O&M intervention have significantly increased their independence in one of the three occupational domains.

Example

Mrs. Smith would like to travel to and from her daughters school by September 2016.

T1 Performance: 6 T2 Performance: 8 Change: +2

T1 Satisfaction: 6 T2 Satisfaction: 9 Change +3

*Scales scored out of 10

*Significant change is denoted by a positive increase of 2 points.

Analysis of the Results

VCM1 Results are not yet available due to sample size.

To date, Our findings show surprisingly high changes in scores from before and after service. While it appears that services are impacting many clients, other factors such as biasing and social desirability effects could be potential factors.

Current pilot-testing of a modified form of data collection and future iterations of the analysis will provide us with a better understanding of these effects.

Next Steps...

Continue to engage clients and staff in sharing results

Use observational analysis to further understand trends and results

Utilize these results to inform program enhancements that further demonstrate the significant and long term impact O&M has on a clients independence and quality of life.