

# SCI CONSORTIUM QUARTERLY CONNECTIONS

## MESSAGE FROM CENTRAL TEAM

There have been many presentations and publications relative to our work in the Consortium, and we summarize several examples of this work throughout the Newsletter. In this issue, we highlight various activities that have taken place - amidst the business of the summer season. We celebrate the “comings” of new members joining our activities and also the “goings” of members who have made significant contributions to the Consortium. Many are moving on to exciting new chapters in their professional or academic life.

In the Implementation Corner, we provide some information on our 3rd key step of Implementation - identification of “Implementation Drivers” and how you might embed these into effective Implementation Action Plans to promote sustainable best practice. Despite challenges, we are grateful for the continued efforts of network sites to stay engaged and contribute to our ongoing mission.

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If anyone has something they would like to highlight for future issues - see the last page for info on providing content!



## Content:

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Check out our website  
for more updates!

<https://www.sciconsortium.ca>

# NEW MEMBERS

Please welcome the new members from Newfoundland and Labrador Health Services: **Amy Prince**, **Kimberly Coombes**, **Laura-Lee Hennebury**, and **Meghan Neil**, who are the current IES' for Newfoundland's site.

## Newfoundland and Labrador Health Services

**Amy Prince**

*SCI Navigator, Implementation  
and Evaluation Specialist, St.  
John's*



**Kimberly Coombes**

*Occupational Therapist,  
Implementation and Evaluation  
Specialist, St. John's*



**NL Health  
Services**

**Laura-Lee Hennebury**

*Licensed Practical Nurse,  
Implementation and Evaluation  
Specialist, St. John's*



**Meghan Neil**

*Physiotherapist, Implementation  
and Evaluation Specialist, St.  
John's*



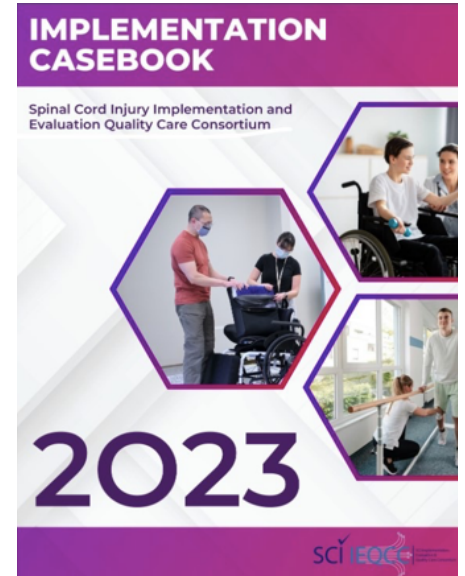
We would like to thank **Cathy Hoyles** for her leadership and contributions during the onboarding and launch of the **Consortium at NL Health Services**. We welcome **Jennifer Penney** and look forward to working with her in the coming months.

# 2023 DELIVERABLES

## Implementation Casebook 2023

Check out our **Implementation Casebook** of various activities conducted in 2023! Each site and Spinal Cord Injury Ontario are featured! See the online version here:

<https://www.sciconsortium.ca/implementation-casebook-2023>



## Infographic Report 2023

Check out our **Infographic Report!** Information on the rising prevalence of pressure injuries and the value of daily head-to-toe skin checks are enclosed.

You can find an online version here:

<https://www.sciconsortium.ca/infographic-report-2023>



# COLLABORATION CORNER

## HIGHLIGHTING: HHS & SCIO

Hamilton Health Sciences (HHS) and Spinal Cord Injury Ontario just released a new video series: **Respiratory Health!!** Please click the link or scan the QR code below to view them.



### Videos



Cleaning and Testing the LVR Kit | Lung Volume Recruitment | Spinal Cord Injury Rehabilitation

By Spinal Cord Injury Ontario



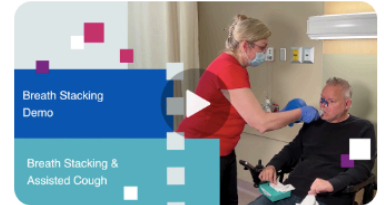
Breath Stacking & Assisted Cough Demo in Bed | Respiratory Management | Spinal Cord Injury

By Spinal Cord Injury Ontario



Breath Stacking & Assisted Cough in a Wheelchair Demo | Lung Volume Recruitment | Spinal Cord Injury

By Spinal Cord Injury Ontario



Breath Stacking Technique | Spinal Cord Injury | Weak Breathing Muscles | Manually Assisted Cough

By Spinal Cord Injury Ontario

Thank you to the team at Hamilton Health Sciences (especially Renata, Recreational Therapist, and Persons with Lived Experience volunteers) and all contributing SCIO members!



<https://cortree.sciontario.org/series/respiratory-health/>



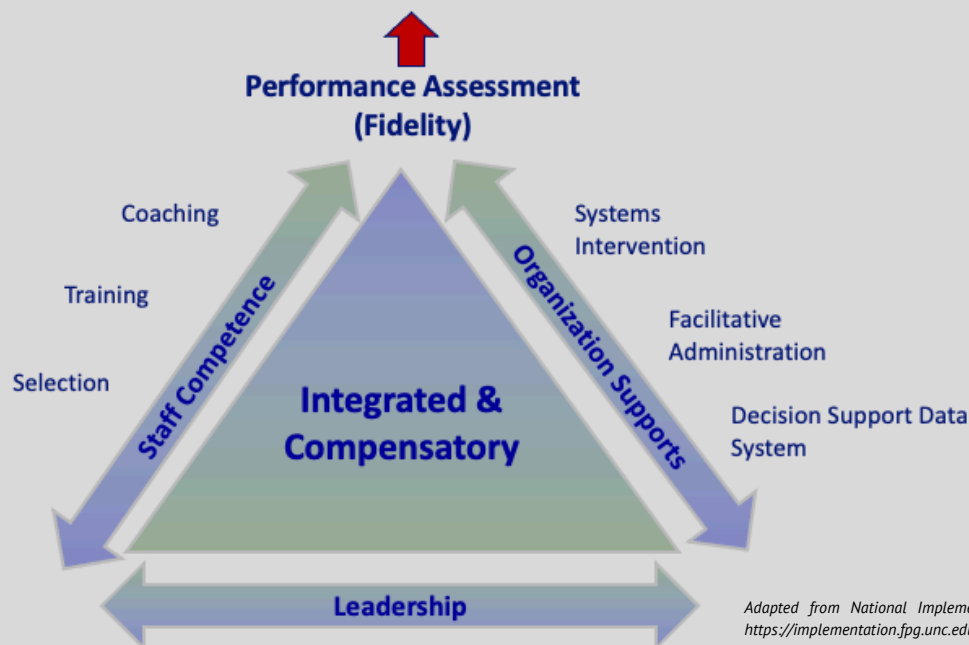
# IMPLEMENTATION CORNER

## DRIVER ANALYSIS

This fourth issue of the "Implementation Corner" will be highlighting Step 3 of the implementation process: **Identifying Existing Mechanisms to Ensure Implementation is Sustained.**

### Step 3: Identifying Existing Mechanisms to Ensure Implementation is Sustained

#### Implementation Driver Analysis



**Three key driver components lead to increasing performance (fidelity). Capitalize on these drivers which can be found in already-existing structures or processes where you can capitalize on.**

- 1 Competency Drivers (develop skills / expertise)
- 2 Organization Support Drivers (supportive infrastructure)
- 3 Performance Assessment & Evaluation Driver (Does what is supposed to happen, actually happen?)

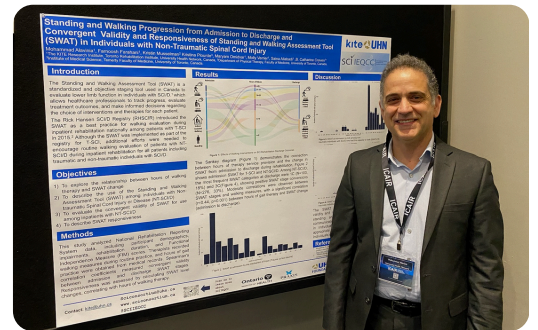
# CONFERENCES

## ICAIR

### ICAIR Presentations May 2024

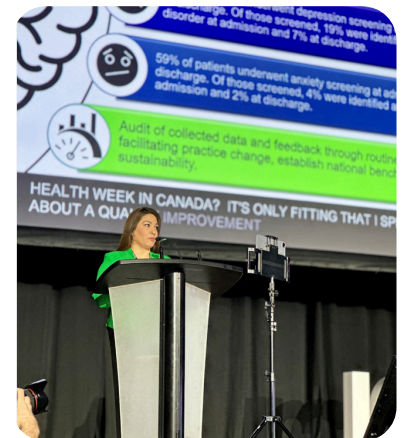
1

Standing and Walking Progression from Admission to Discharge and Convergent Validity and Responsiveness of Standing and Walking Assessment Tool (SWAT) in Individuals with Non-Traumatic Spinal Cord Injury



2

Quality Improvement Initiative to Identify Individuals with Spinal Cord Injury/Disease at Risk for Major Depressive and Anxiety During Inpatient Rehabilitation



3

The Changing Prevalence and Incidence of Pressure Injury Among Adult Ontarians with SCI/D Admitted for Inpatient Rehabilitation: Reflections from the SCI-IEQCC



# CONFERENCES UPCOMING

## See The Team At:

1

### The 63rd ISCOS Annual Scientific Meeting

Colleen O'Connell

Tuesday, September 24, 2024 **10:15 AM - 11:00 AM**

P240 - The Canadian SCI Network Alliance: Supporting a Network of Networks in Canada to Facilitate Knowledge Sharing

<https://iscosmeetings2024.org/>



2

### ACRM 101st Annual Conference | Progress in Rehabilitation Research

<https://acrm2024.eventscribe.net/index.asp?launcher=1>



3

### CSCI-RA 2024 | Finding Commonalities and Seeking Consensus: MS & SCI Rehabilitation













<https://cscira.ca/events/10th-national-sci-conference-inclusivity-and-engagement/>



*Share your posters & presentations with us to be featured in the next newsletter!*

# IMPORTANT PUBLICATIONS

Please check out some new publications below! You can find more details and publications in the Infographic Report 2023 or visit [sciconsortium.ca](https://sciconsortium.ca) for more information.

Manuscript Title	Domain	Key Message	QR Code
Improving practice through collaboration: Early experiences from the multi-site Spinal Cord Injury Implementation and Evaluation Quality Care Consortium		This quality improvement collaborative targeting spinal cord injury or disease (SCI/D) rehabilitation shows promise for advancing the implementation of best practices, building implementation science capacity across multiple sites, and for promoting collaboration amongst SCI/D rehabilitation centers and organizational partners.	
Enhancing quality practice for prevention and diagnosis of urinary tract infection during inpatient spinal cord rehabilitation		The presence of cloudy and foul smelling urine was predictive of UTI diagnosis among inpatients with SCI/D. SCI inpatients were susceptible to UTI when learning Clean Intermittent Assessment of urine colour, clarity and odour should be done before sending a urine for Routine and Microscopy/Culture and Sensitivity.	
Convergent validity and responsiveness of The Standing and Walking Assessment Tool (SWAT) among individuals with non-traumatic spinal cord injury		Despite the higher incidence of non-traumatic spinal cord injury or disease (NT-SCI/D) in Ontario, no studies have described the functional capacity of individuals with NT-SCI/D using the Standing and Walking Assessment Tool (SWAT). SWAT had sufficient convergent validity and responsiveness for describing standing and walking recovery and communicating/monitoring rehabilitation progress among patients with NT-SCI/D.	
Developing and Evaluating Data Infrastructure and Implementation Tools to Support Cardiometabolic Disease Indicator Data Collection		Assessment of aerobic exercise (AE) and lipid profiles among individuals with spinal cord injury or disease (SCI/D) is critical for cardiometabolic disease (CMD) risk estimation. An AI tool demonstrated excellent speed and accurate data extraction from intermediary outcome and final outcome indicator surveys. The developed implementation tools can help to reduce CMD risk.	
A Remote-Learning Course can improve the subjective wheelchair-skills performance and confidence of wheelchair service providers: an observational cohort study		Training wheelchair users and their caregivers about how to use wheelchairs is an important component of the wheelchair service delivery process. An observational cohort study was done to test whether a Remote-Learning Course improves the subjective wheelchair-skills performance and confidence of wheelchair service providers. The course improved the scores of wheelchair service providers by almost 30%.	
The Changing Prevalence of Pressure Injury among Ontarians with SCI/D at Rehabilitation Admission: Opportunities for Improvement.		We implemented routine daily head-to-toe skin checks to prevent pressure injury and identify early pressure injury across five Ontario inpatient rehabilitation sites. We identified a rising prevalence of sacral pressure injury at rehab admission and drove a reduction in pressure injury incidence during inpatient rehab due to regular skin checks. This trend calls for proactive health system interventions to prevent pressure injury, reduce costs and improve patient outcomes.	

# CONSORTIUM UPDATES

## Upcoming Dates:

**Data Transfer – September 23rd, 2024**

**Network Meeting – September 18th, 2024**



**Jordan Eggiman-Ketter**

The Consortium team thanks you for all of the work and support you've given us! We all wish you luck at school and all the best in your future endeavours!



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