#### Evaluation

For the Provincial Stroke Rounds Planning Committee:

- To plan future programs
- For quality assurance and improvement
- For You: Reflecting on what you've learned and how you plan to apply it can help you enact change as you return to your professional duties
- For Speakers: The responses help understand participant learning needs, teaching outcomes and opportunities for improvement.



Please take 2 minutes to fill the evaluation form out.

Thank you!



#### Making Stroke Education Fit for Purpose:

### Priorities and Approaches for Educating Healthcare Professionals

Speaker:

Kristina Moro

Clinical Nurse Specialist

**Question Panel:** 

Tara Lewis

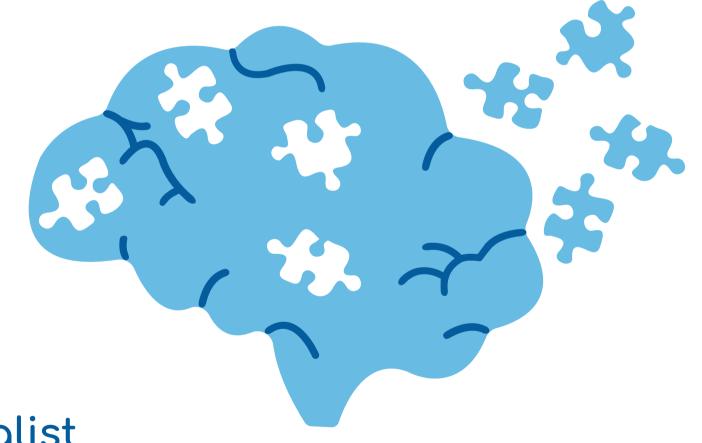
Rehabilitation Specialist

Keli Cristoforo

Community Engagement Specialist

Brittney McLaughlin

Inter-professional Educator







## Disclosure of Affiliations, Financial Support, & Mitigating Bias

Speaker Name: Kristina Moro

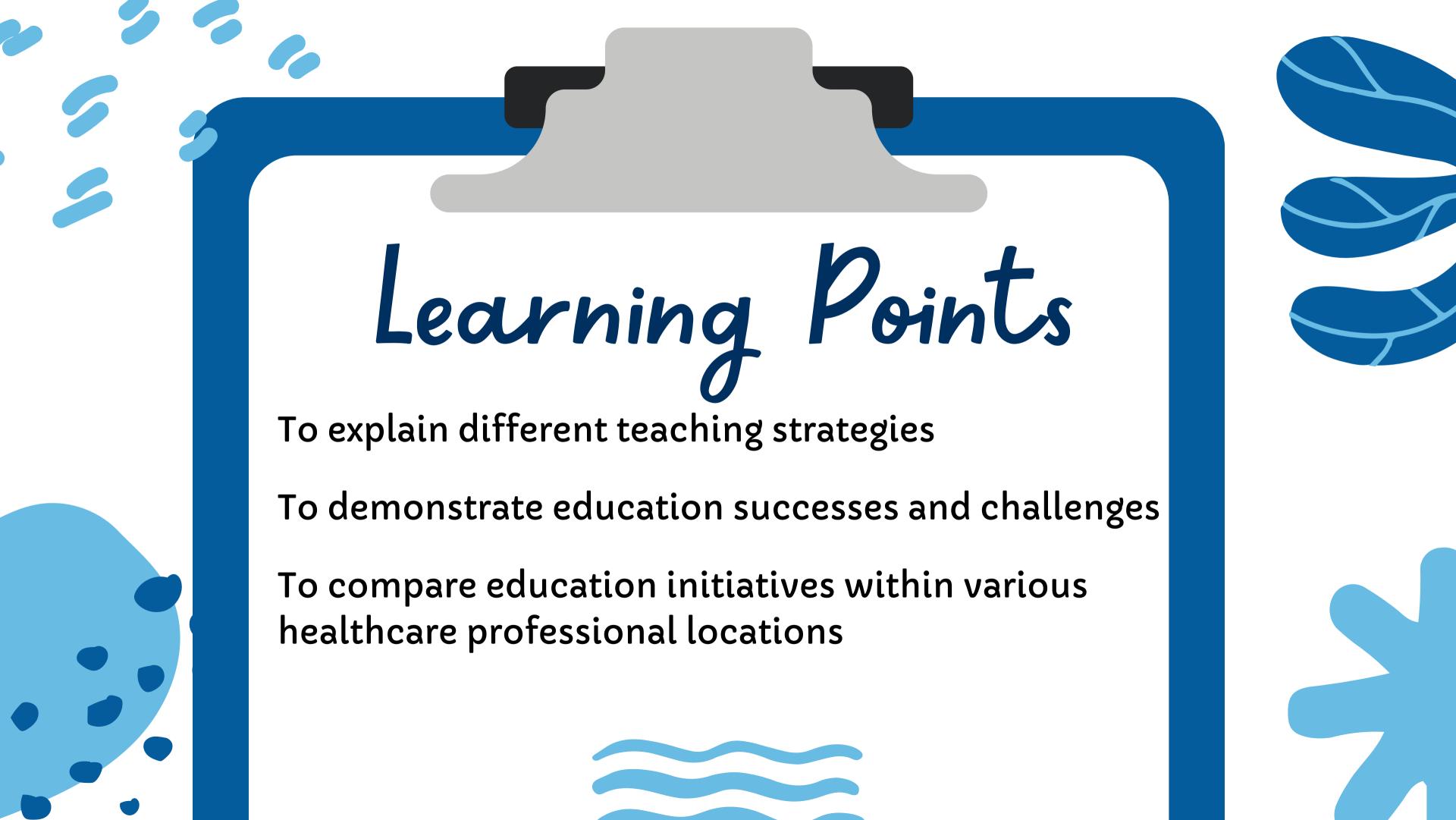
Affiliations:

I have no relationships with for-profit or not-for-profit organizations

Financial Support: None







# Brag, Borrow and Steak

# Challenges



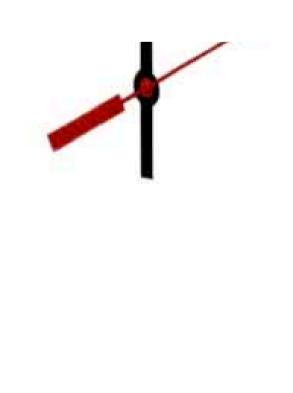
Geography

80% of Ontario's Land Mass 2% of Ontario's Population

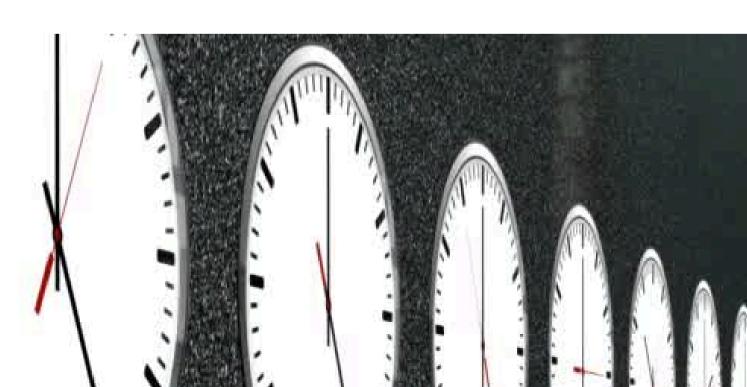
#### Time Zones

Northwestern Ontario Region Eastern Time (EST) Central Time (CST)







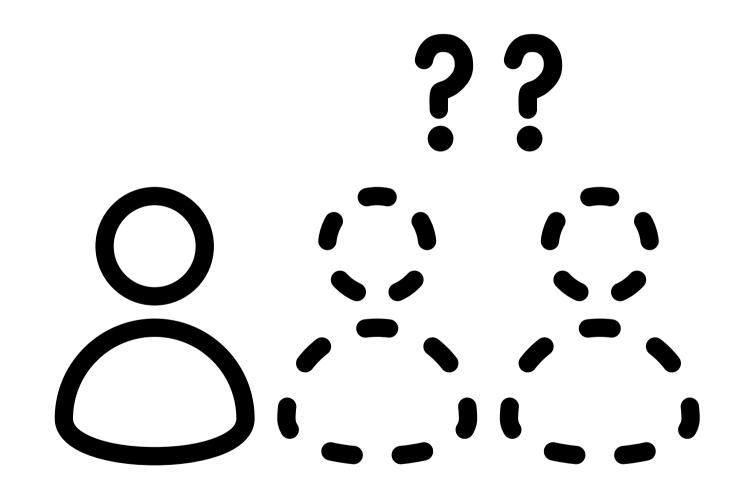


# Challenges In Education Time Zones



Health Human Resources

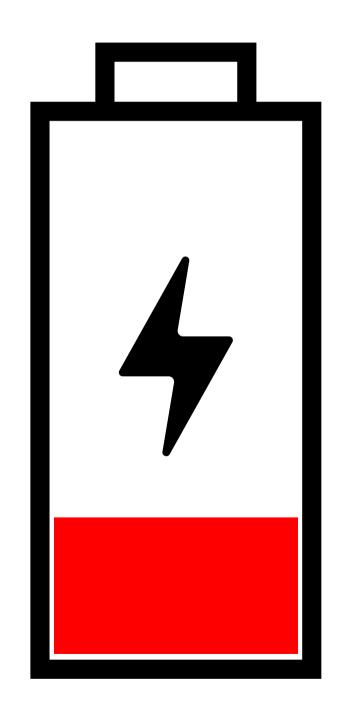




High Acuity



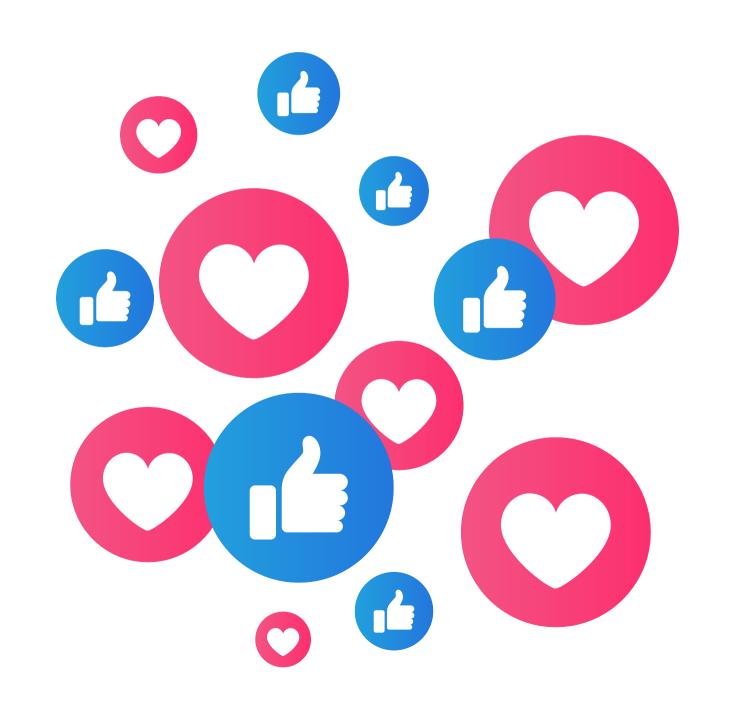
Low Engagement



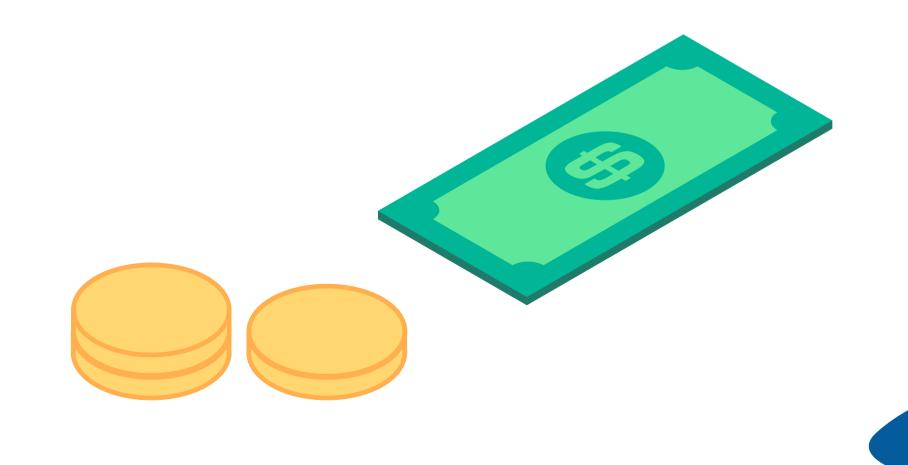
Generational Difference



Social Media Culture



Financial Support



# What is your number one challenge to providing education in your region?



# Phemes



#### For the Health Care Professional







**Pre-Hospital & Acute Care** 

**Rehabilitation & Community** 

# Education Themes Cross Care Continuum

#### For the Public



Resources for patients and caregivers





# Education Themes Collaboration



## Education Themes Innovation and Creativity



# Education Themes Fast Messaging





# Education Themes Teaching Strategies





# Education Themes Timing





# Education Themes Financial Support



How have you changed the way you provide education to meet the ongoing challenges in health Care?

# Canadian Stroke Best Practices How does this relate?

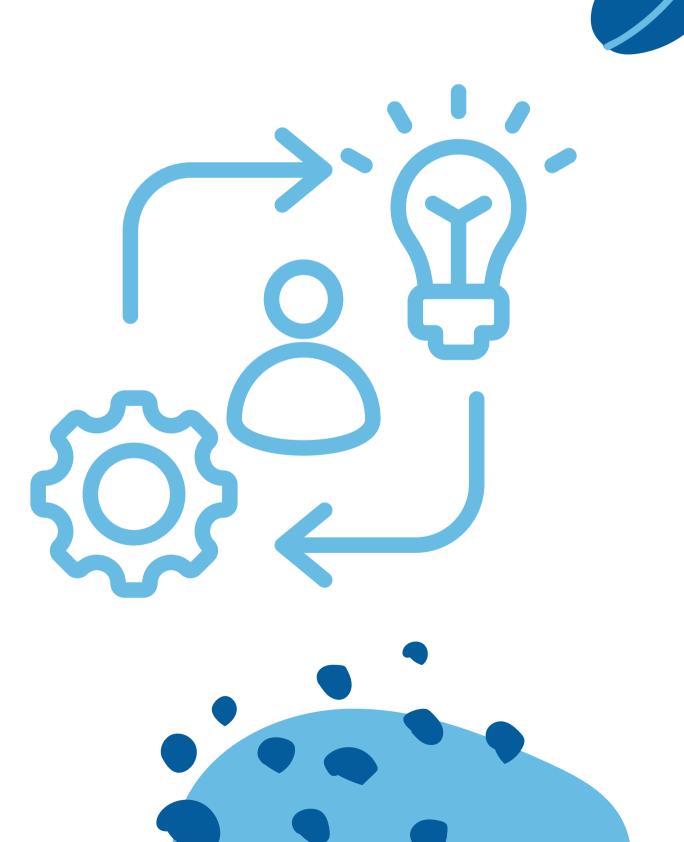
Doesn't matter how well your system is build if people do not know how and when to access it, it wont work!



# Successes

#### Initiatives

- 1. Nursing Orientation
- 2. Stroke Month Rehab Collaboration
- 3. REFS Roaming Education For Staff
- 4. Regional Stroke Tour





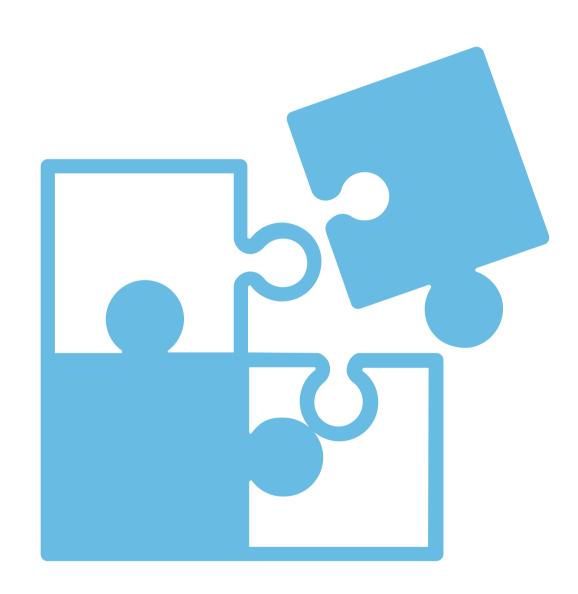
# Mursing Orientation



**Does** (Action) **Shows How** (Performance) **Knows How** (Competence) **Knows** (Knowledge)

Miller's Pyramid





#### Phased Approached

- Nursing on-boarding
- Unit specific orientation
- Specialized education
- Hemispheres
- Safety huddles on real time scenarios







Unit Specific Education







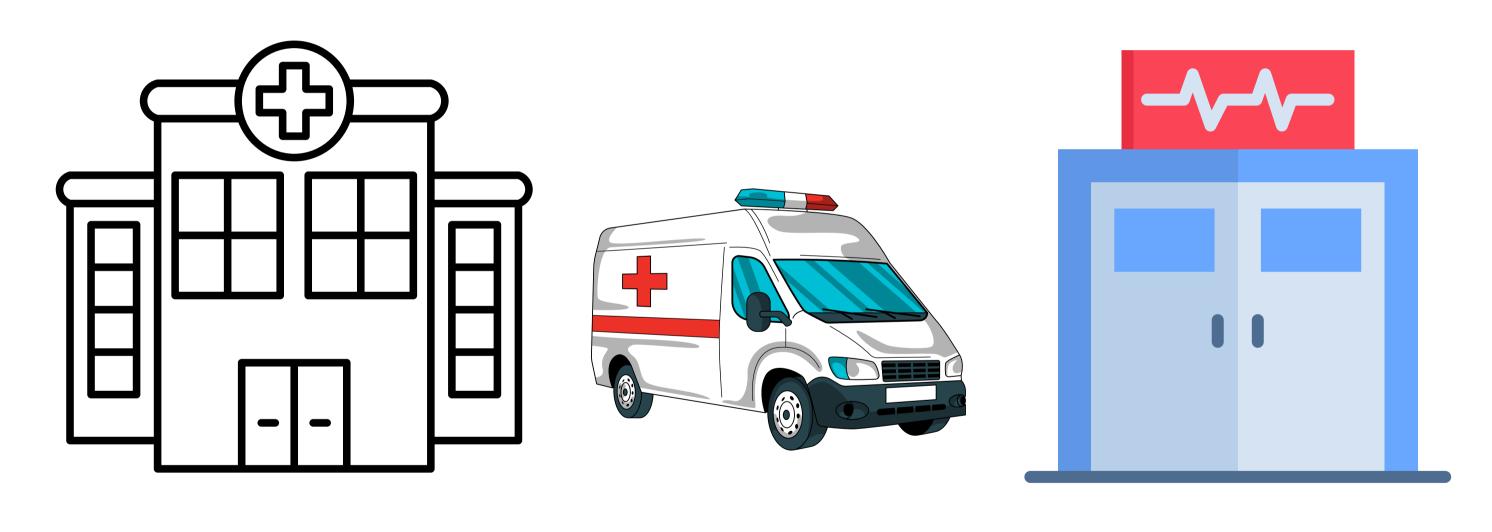
# Ongoing Monthly





#### Stroke Month Collaboration

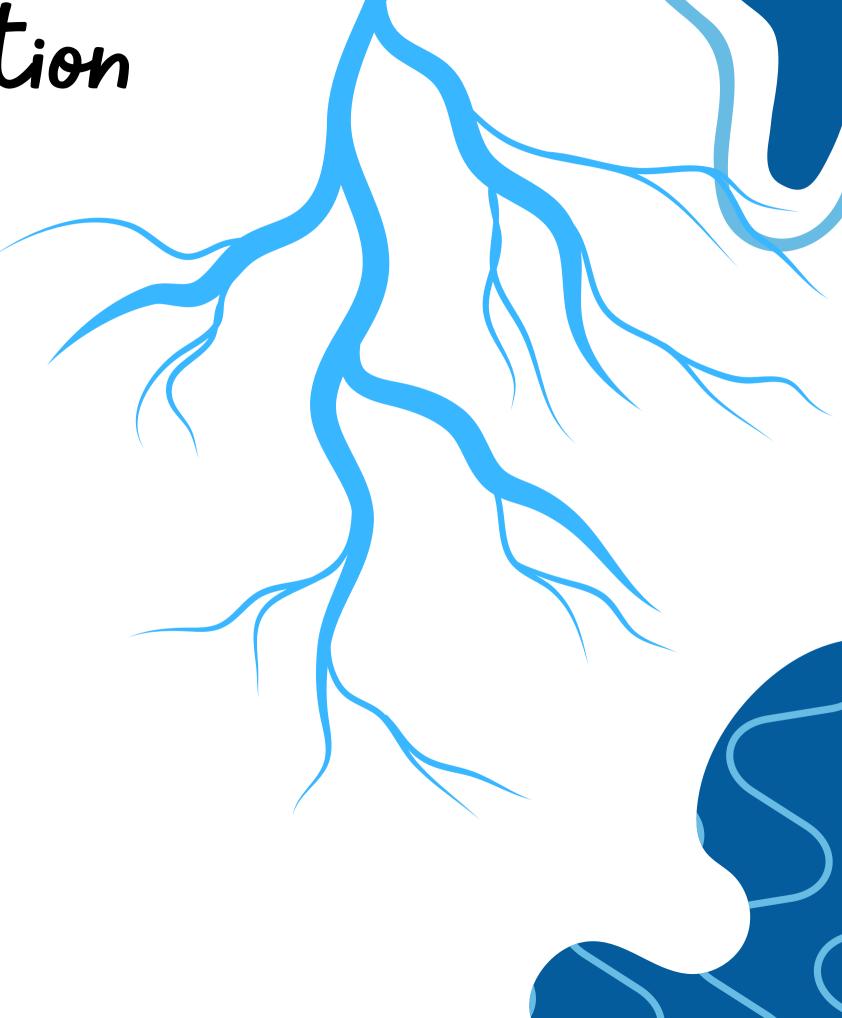
Linked Pre-Hospital Services with Rehab Hospital



#### Stroke Month Collaboration

Collaboration with Rehab Hospital

- Timing: Stroke Month
- Attending Established Meetings
- Virtual Resources
- Fast Messaging
- Stroke Awareness



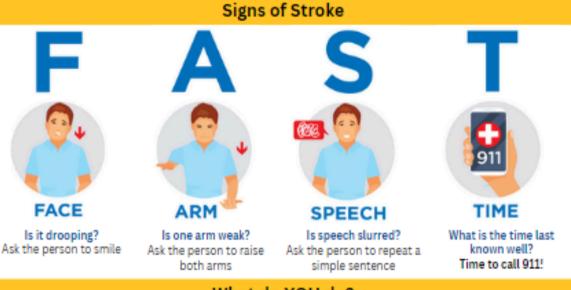
### Stroke Month Collaboration

Collaboration with Rehab Hospital

- Roaming Education (8 Units)
- Fast Messaging
- Stroke Awareness

### **Safety Huddle**

Stroke Month



#### What do YOU do?

- . Confirm Patient is having at least ONE of the clinical signs of stroke
- . Determine when the patient was last known to be well
- \*\*last time you or someone else saw them without their new symptoms\*\*
- . Call the most responsible MRP to discuss urgent transfer to TBRHSC for stroke work up
- Stroke treatment is time sensitive do not delay transfer! Call EMS!
- Clear documentation for the emergency department on symptoms and last known well using the SJCG-ED transfer note. Add print out of note, copy of MAR and copy of DNR (if applicable) to transfer envelope
- Assess and monitor client until EMS arrives ensure someone remains with client until transferred

#### What to say to the 911 dispatcher

- · Your name & location
- · Patient stroke symptoms (be very clear)
- Last known well time
- · Patients name, age
- Additional details that Ambulance dispatch requires

#### Time Sensitive Stroke Treatment



IV Thrombolytic must be administered within 4.5 hours from last known well



Endovascular Thrombectomy \*Can be performed 0-6 hours from a ast known well and a late window for







### Stroke Month Collaboration

Collaboration with Rehab Hospital

Lunch n' Learns 30 Minutes Max

#### Stroke Lunch n' Learn

### Stroke Sign Awareness and Assessments

Presenters Kristina Moro

Clinical Nurse Specialist, NWORSN

Tara Lewis

Rehabilitation Specialist, NWORSN

Date Thursday, June 20th

Time 1200-1300

In Person Room-B010: Meeting Room 3

All Staff Welcomed!

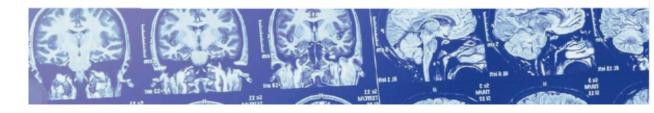
Lunch Provided

Please email tanis.banovsky@tbh.net to confirm attendance







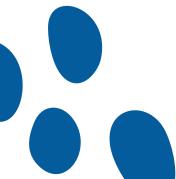


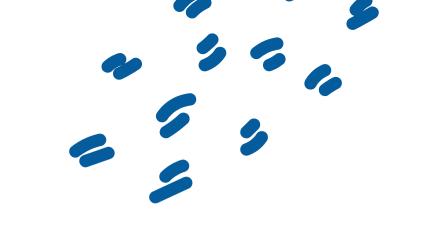


### Stroke Month Collaboration

Collaboration with Rehab Hospital

173 Staff

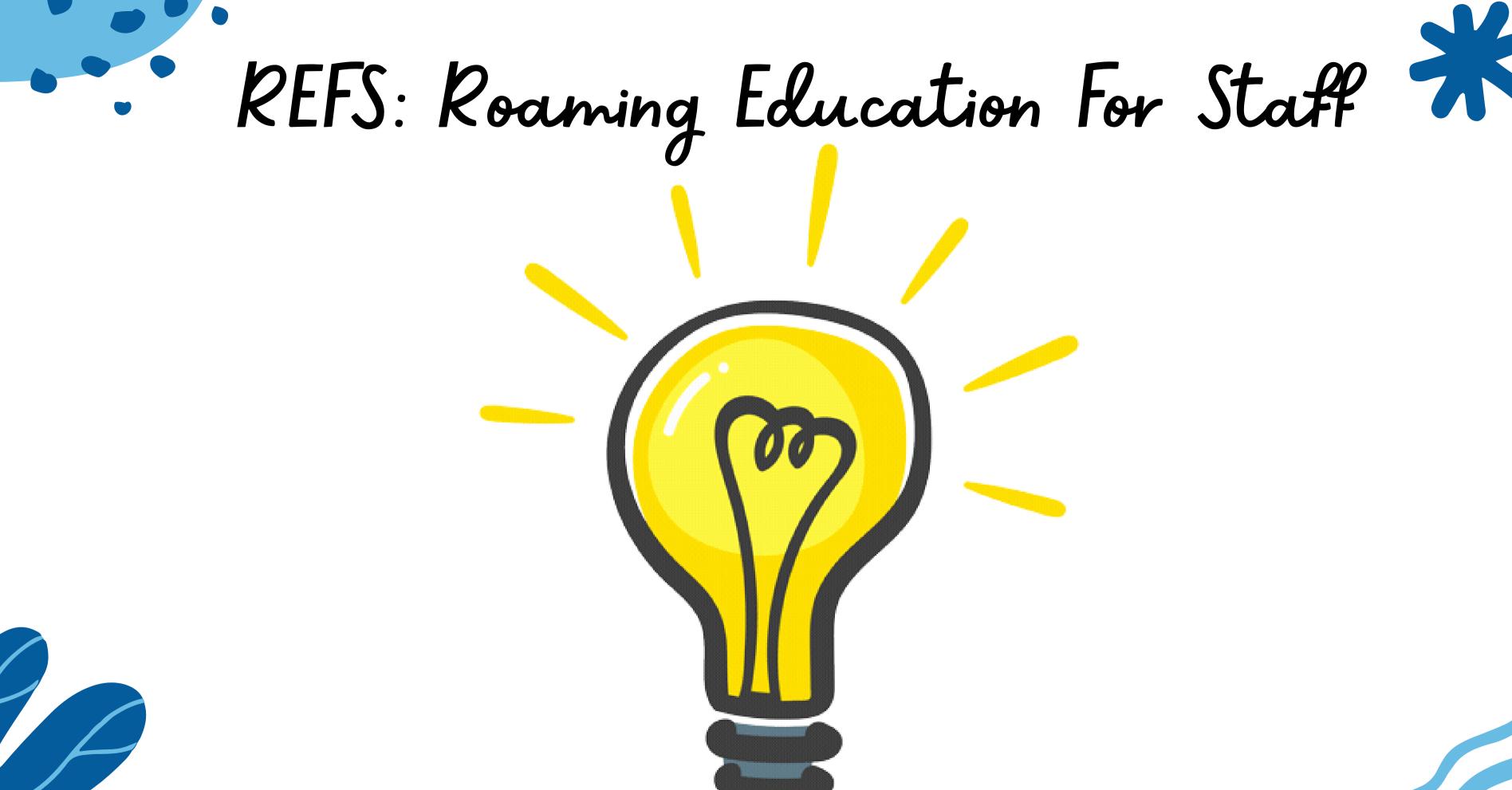


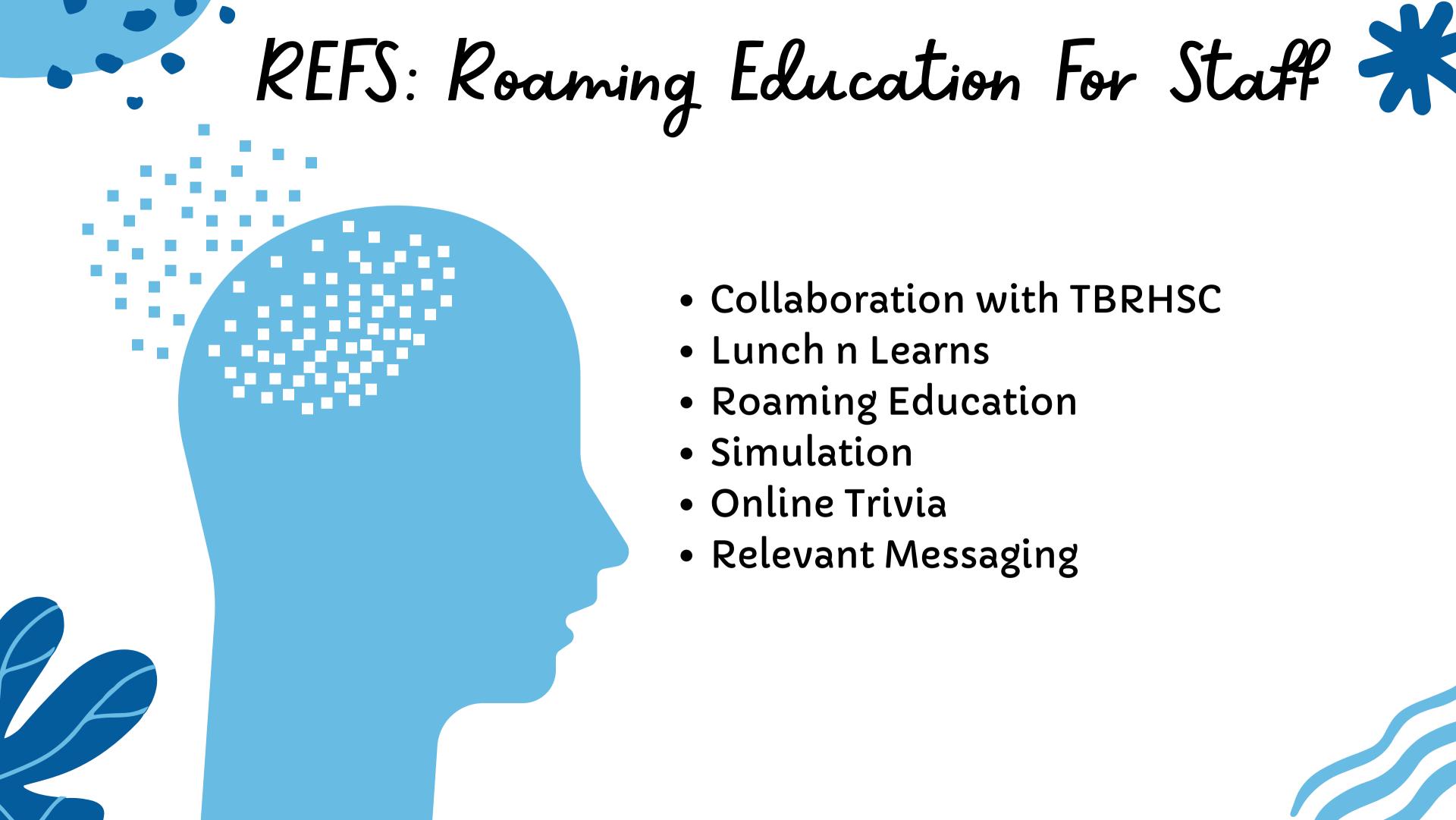




### REFS

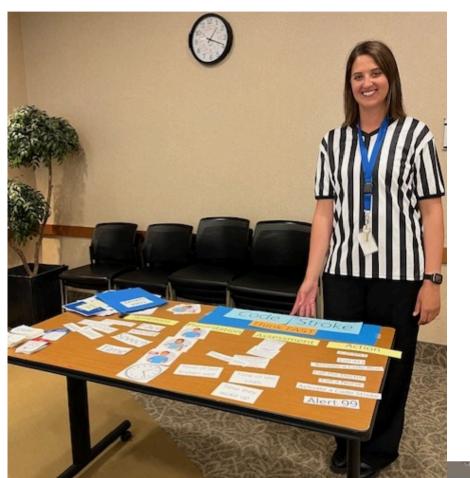














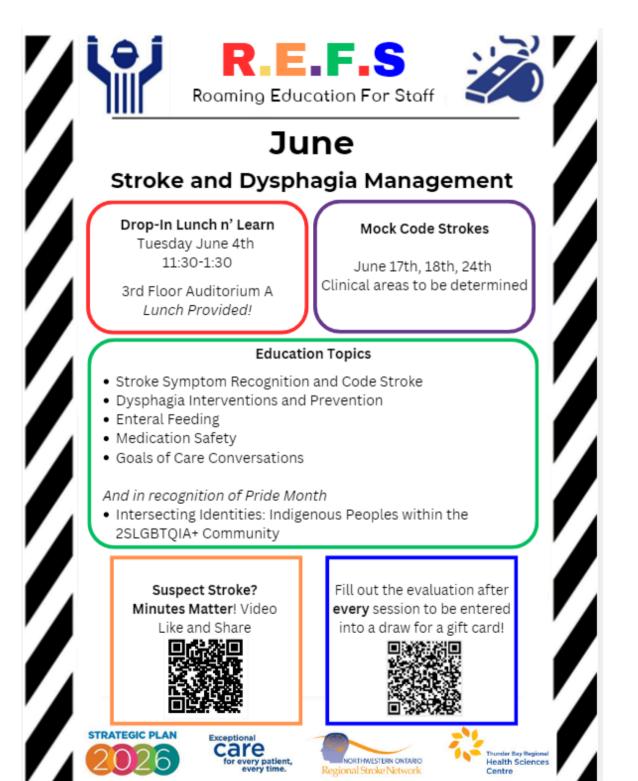
June Stroke Month TBRHSC Staff and learners



- Code Stroke Calling Criteria
- Safe Swallowing
- Recognize FAST
- Treatment

### Additional Topics:

- Mouth Care
- Enteral Nutrition

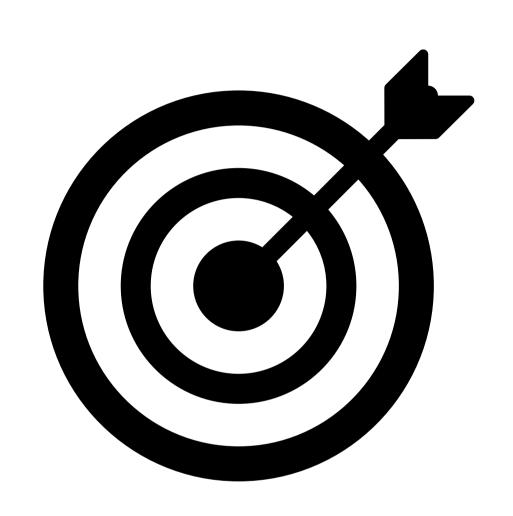






### REFS: Roaming Education For Staff





Renal Department 80 nurses 15% turnover



Roamed x2 weeks
Mock Code Stroke
Follow up email



### REFS: Roaming Education For Staff



# Regional Education Tour

# Canadian Stroke Best Practices



#### 1. Stroke Awareness, Recognition, and Response

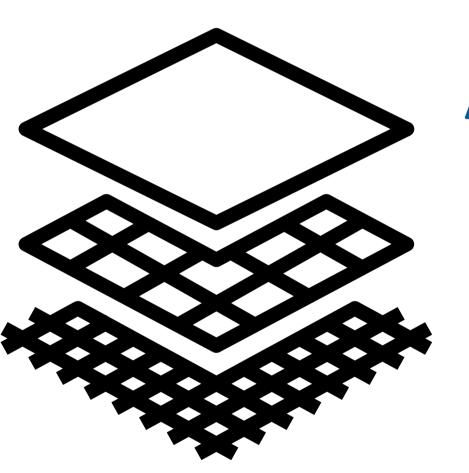
2022 update



#### Recommendations

- i. Organized and integrated stroke systems of care should be established and sustained in every health region in Canada to enable rapid emergency stroke management, including a public awareness campaign, public emergency system (such as 9-1-1), and monitoring systems that consider equity, age, sex, and gender diverse populations [Strong recommendation; Moderate quality of evidence].
- ii. All members of the public and all healthcare providers should be educated that stroke is a medical emergency [Strong recommendation; Low quality of evidence].
  - a. Education for the public and healthcare providers should include information that stroke can affect persons of any age including newborns, children, and adults.
     [Strong recommendation; Low quality of evidence].
  - b. Education for the public and healthcare providers should emphasize the benefits of early emergency treatment [Strong recommendation; Moderate quality of evidence].
- iii. Awareness campaigns and education for the public and healthcare providers should emphasize recognition of the signs and symptoms of stroke, including the use of an acronym such as FAST (Face, Arms, Speech, Time) to facilitate awareness of and easy recall of these signs [Strong recommendation; Moderate quality of evidence]. Refer to Box 1A for additional information.
  - a. The public and healthcare providers should **respond immediately** when witnessing someone experiencing signs or symptoms of stroke by calling 9-1-1 or their local emergency number [Strong recommendation; Moderate quality of evidence], even if the signs or symptoms resolve. *Refer to Box 1B for additional*

# Regional Stroke Tour 4 consecutive years



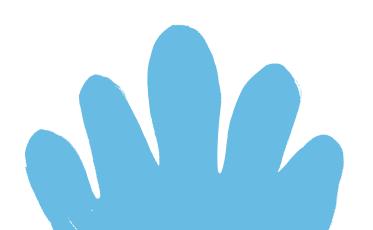
### Acute Hospital Focus

Year 1: FAST and Pathways

Year 2: ACT-FAST and custom algorithms

Year 3: Stroke Pathways and NWO Navigate

Year 4: Posterior Circulation Stroke and Treatment



Primary Health Care & EMS/CP Leadership



Hospital



Public





Hands on

Stroke Imaging Visuals

Stroke Treatment Demo

**FAST Videos** 

QR Codes Cards

Individualized Education Plan

Time Sensitive Education



### Stroke and Neurosurgery Passport of Education

1:1 Demo
Neuro Assessment
Collars & Braces
Posterior Circulation Stroke
Stroke Screening Tools
Scan & View
Adult Neurological Assessment
Glasgow Coma Scale Assessmen
What is EVT
NWO Navigate
Stroke Awareness
Match
ICP
Neuro Case Study
FAST
ACT-FAST
Stroke Case Study
Complete form to win prizes
Name:

### Relevant to Practice Relevant to Community

#### Posterior Circulation Stroke

Staggering, broad based gait

movement - jerky movement

Impaired balance

www.nwostroke.ca | nwostroke@tbh.net

Impaired coordination of fine motor

#### Custom Algorithms

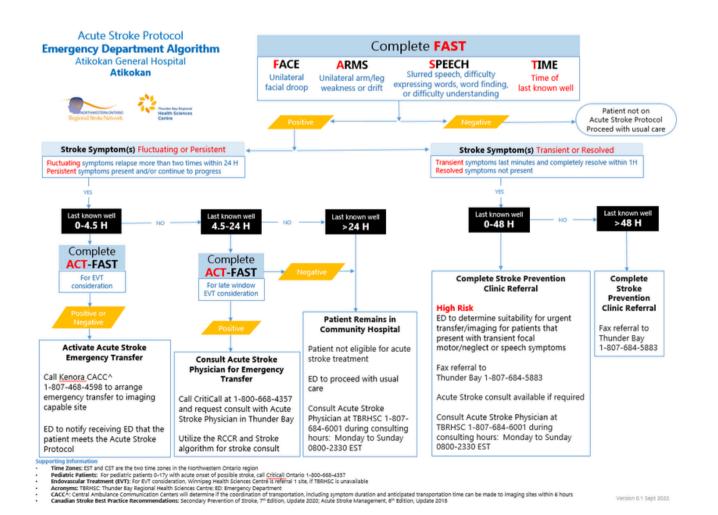
#### Posterior Circulation Stroke Vague/atypical presentations . The screening tool FAST has the potential to overlook posterior circulation strokes (PCS) symptoms · PCS may not be recognized as stroke symptoms on initial assessment for patients who arrive to the ED via EMS or self-transport · PCS can receive time stroke sensitive treatment 5 D's Assessment Definition Clinical Presentation Vertigo 3Ts: Timing, Triggers and Type Disequilibrium Dizziness is the number one complaint Light-headedness with an associated symptom Pre-syncope Double vision Nystagmus Repetitive eve movements Uncontrolled eve movements Difficulty speaking Difficulty moving mouth, tongue or lips due to muscular Slurred or slowed speech weakness Difficulty controlling the volume of their Difficulty swallowing Complaints of choking on food or liquid that is new or worsened

Impaired

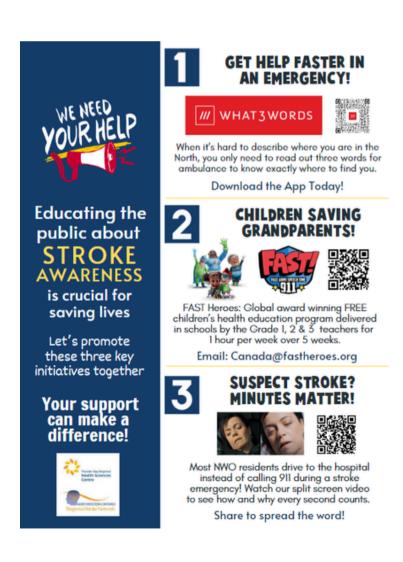
balance

coordination or

Poor muscle control



### Stroke Awareness Initiatives



4,228 km / 13 days 17 Communities

12 Hospitals10 Primary Care Centres3 EMS Services





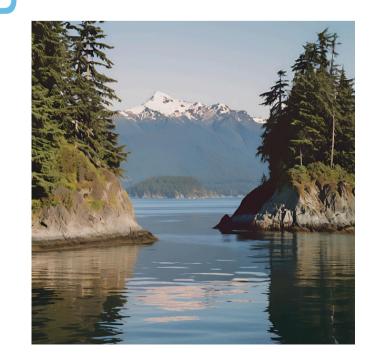
4,206 km
Toronto to
Vancouver Island

Hospital: 195

Primary Care: 49

EMS: 10

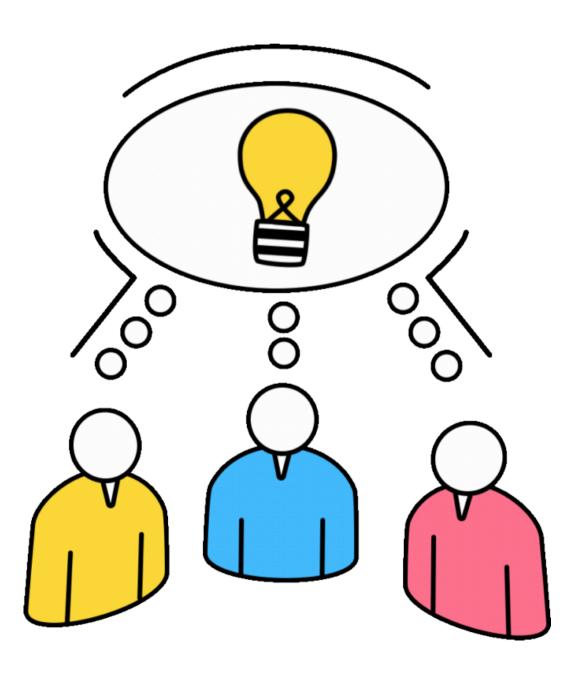
Public: 103



# 254 Staff 103 Public



### The Benefit of In-Person Education



In the Moment Education
Ability to Tailor Education (CNSS)
Meet with Staff Working
Ensure Current Resources



### When was the most recent educational session that you felt enthusiastic about teaching?

### Key Take Aways

Collaboration is Key
Blend Care Continuum
Fast Messaging
Relevance to Practice
Stay Innovative



# Cacestiens:



### Evaluation

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