

# Stroke Care in Central East Stroke Network<sup>1</sup> 2020/21



## STROKE IS A MEDICAL EMERGENCY



**66.2% (ON)**

of stroke/TIA patients arrived at the emergency department by ambulance  
**Central (C) 66.0%, Central East (CE) 65.7%, North Simcoe Muskoka (NSM) 68.4%**

**81.4% (ON)** of patients were referred to secondary prevention services after discharge from the emergency department\*  
**C 82.1%, CE 84%, NSM 67%**

## TIME IS BRAIN



**14.1% (ON)**

of ischemic stroke patients received hyperacute therapy  
**C 14.2%, CE 14%, NSM 10%**

**10.5% (ON)** treated with tPA (tissue plasminogen activator) (Target: >12%)

**C 9.5%, CE 10.8%, NSM 7.9%**

- **44 minutes (ON)** median door-to-needle time (Target: <30 min.)

**C 31 minutes, CE 47 minutes, NSM 49 minutes**

- **5.8% (ON)** treated with EVT (Endovascular therapy)

**C 7.2%, CE 4.5%, NSM 3.2%**

## STROKE UNIT CARE IMPROVES OUTCOMES



**1.46 (ON)** per 1000 population

are admitted for acute stroke/TIA  
**C 1.26, CE 1.39, NSM 1.682**

**41 (ON)** hospitals in Ontario have a stroke unit

**56.1% (ON)** of stroke patients are treated on a stroke unit (Target: >75%)

**C 48.8%, CE 51.0%, NSM 38.2%**

## SECONDARY PREVENTION OF STROKE OCCURS ACROSS THE CARE CONTINUUM

### REHABILITATION OPTIMIZES RECOVERY

**8 days\*\* (ON)**

Median time from acute admission to inpatient rehabilitation admission

**C 7 days\*\*, CE 6 days\*\*, NSM 7 days\*\***



**31.4%\*\* (ON)**

of patients accessed inpatient rehabilitation

**C 29.2%\*\*, CE 36.6%\*\*, NSM 20.5%\*\***

**68.9 minutes (ON)** per day of inpatient therapy was received per patient (Target: 180 minutes)

**C 38.2 minutes, CE 58.6 minutes, NSM 57.3 minutes**

### STROKE JOURNEY CONTINUES AFTER DISCHARGE



**56.4 days\*\* (ON)**

Average number of days spent at home in the first 90 days after stroke

**C 58.9 days\*\*, CE 56.1 days\*\*, NSM 61.9 days\*\***

**38.6%\*\* (ON)** received home-based rehabilitation\*

**C 29.5%\*\*, CE 50.10%\*\*, NSM 38.2%\*\***

**9 visits\*\* (ON)** median number of visits

**C 6 visits\*\*, CE 13 visits\*\*, NSM 11 visits\*\***

**74.9% (ON)** of patients aged 65 and older with atrial fibrillation filled a prescription for anticoagulant therapy within 90 days of acute care discharge\*

**C 76.4%, CE 73.2%, NSM 79.8%**

## PATIENT OUTCOMES

**6.5% (ON)** of stroke/TIA patients were readmitted within 30 days, **C 7.3%, CE 5.9%, NSM 8.2%**

**12.1% (ON)** of stroke/TIA patients died within 30 days, **C 13.2%, CE 12.4%, NSM 12%**

**6.3%\*\* (ON)** of stroke patients were admitted to long-term care within 1-year post discharge, **C 4.7%\*\* , CE 6.1%\*\* , NSM 6.4%\*\***



**Ontario Health**  
CorHealth Ontario

<sup>1</sup> Data for Central and Central East LHINs includes organizations within the geographies of Central East Stroke Network and Toronto Stroke Networks

\* There is currently no data available for outpatient rehabilitation and secondary prevention clinic.

\*\* 2020/21 Q2 (YTD)

### Notes:

- Ontario performance is in bold black font for each indicator
- Central, Central East and North Simcoe Muskoka LHIN performance is in blue font; If there is a **high** or **low** performance for a LHIN it is highlighted in **green** or **red** respectively.