

# Stroke Care in CESN 2019/20

## STROKE IS A MEDICAL EMERGENCY



**58% ON**

of stroke/TIA patients arrived at the emergency department by ambulance

Central 58%, Central East 58%, NSM 59.2%

**79% ON** of patients were referred to secondary prevention services after discharge from the emergency department\*

Central 84.8%, Central East 79.1%, NSM 69.6%

## TIME IS BRAIN



**15% ON**

of ischemic stroke patients received hyperacute therapy]

Central 13.8%, Central East 14.8%, NSM 12.2%

**12%** tPA (tissue plasminogen activator) (Target: >12%)

Central 10.9%, Central East 11.8%, NSM 11.2%

• **45 minutes** median door-to-needle time (Target: <30 minutes)

Central 33.5, Central East 45%, NSM 48.5 minutes

**5%** EVT (Endovascular therapy)

Central 5.6%, Central East 4.2%, NSM 1.9%

## STROKE UNIT CARE IMPROVES OUTCOMES



**1.55 per 1000**

Acute inpatient admission for stroke/TIA

Central 1.4, Central East 1.5, NSM 1.8 per 1000

**40** hospitals in Ontario have a stroke unit

\*Hospitals within CESN

Central 2/4, Central East 3/6, NSM 2/5

**54%** of stroke patients treated on a stroke unit (Target: >75%)

Central 50.9%, Central East 51.6%. NSM 41/5%

*Secondary Prevention of Stroke Begins*

## REHABILITATION OPTIMIZES RECOVERY



**31%\*\***

of patients accessed inpatient rehabilitation

Central 28.7%, Central East 33.3%, NSM 22.7%

• **69 minutes** per day of inpatient therapy was received per patient (Target: 180 minutes)

Central 38.2, Central East 54.7, NSM 44.3 minutes

## STROKE JOURNEY CONTINUES AFTER DISCHARGE



**56 days \*\***

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

Central LHIN 58.7, Central East 57, NSM 59.1 days

**34%\*\*** received home-based rehabilitation\*

Central 32.6%, Central East 36.3%, NSM 26.1%

• **9\*\*** median number of visits

Central 8, Central East 11, NSM 10 visits

**74%** of patients aged 65 and older with atrial fibrillation filled a prescription for anticoagulant therapy within 90 days of acute care discharge\*

Central 73.2%, Central East 73.6%, NSM 74.8%

**8 days \*\***

Median time from acute admission to inpatient rehabilitation

Central 7, Central East 7, NSM 9 days

## PATIENT OUTCOMES

**7%** of stroke/TIA patients were readmitted within 30 days Central 7.1%, Central East 5.6%, NSM 6.1%

**12%** of stroke/TIA patients died within 30 days Central 11.6%, Central East 11.3%, NSM 13.1%

**9%\*\*** of stroke patients were admitted to long-term care within 1-year post discharge Central 8.5%, Central East 9%, NSM 9.4%

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

\*\* 2019/20 Q2 (YTD)

