

Ontario Stroke System Overview

Ontario
Stroke System
Fewer strokes. Better outcomes.

Overview of the Ontario Stroke System

- Ontario Stroke System is a collaborative system of provider organizations and partners who deliver stroke care across the continuum of care

History

- In 1998, the Heart and Stroke Foundation of Ontario championed a three-year demonstration project to test a model of region-wide, coordinated stroke care that spans the continuum of care
- In June 2000, the Ministry of Health and Long-Term Care (MOHLTC) announced a comprehensive stroke strategy and committed \$30 million to implement a plan for stroke prevention, treatment and rehabilitation

Vision for the Ontario Stroke System

Fewer strokes. Better outcomes.



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Mission of the Ontario Stroke System

To continuously improve
stroke prevention, care,
recovery and re-integration.



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Strategic Directions

- Credible Advisor to Improve Stroke Prevention and Care Delivery
- Leadership and Coordination
- Evaluation to Support Continuous Improvement
- Innovation and Knowledge
- Best Practices across the Continuum of Stroke Care

Key Functions of the OSS

- Through dynamic relationships among individuals, organizations, and governments, the Ontario Stroke System works across the continuum of stroke care—including health promotion; primary, secondary and tertiary prevention; pre-hospital care; emergency, diagnostic, and acute care; rehabilitation; long-term care; and community reintegration—to fulfill its Mission through its key functions

Key Functions, cont...

- Identify and implement best practices—incorporating best available evidence and client-centered approaches
- Promote equity of access to care and services
- Set standards and targets, and evaluate system performance and outcomes
- Build capacity through the generation, translation and integration of knowledge

Key Functions, cont...

- Foster effective use of resources through innovation, system change, quality improvement, and integration and coordination of service delivery
- Recommend on funding allocations
- Provide a voice for the system to offer advice to governments and LHINs

Organizational Structure

- 9 Regional Stroke Centres
- 18 District Stroke Centres
- 24 Secondary Prevention Clinics
- Provincial Coordinator (Heart and Stroke Foundation of Ontario)

9 Regional Stroke Centres

- Hamilton Health Sciences
- Kingston General Hospital
- London Health Sciences Centre
- The Ottawa Hospital
- St. Michael's Hospital
- Sunnybrook Health Sciences Centre
- Trillium Health Centre
- Thunder Bay Regional Hospital
- University Health Network, Toronto Western

18 District Stroke Centres

- Bluewater Health, Sarnia
- Brantford General Hospital
- Grand River, Kitchener
- Grey Bruce Health Services, Owen Sound
- Huntsville District Memorial Hospital, Huntsville
- Niagara Health System, Niagara General
- North Bay General Hospital
- Peterborough Regional
- Pembroke General Hospital

District Stroke Centres, cont...

- Quinte Healthcare, Belleville
- Royal Victoria Hospital, Barrie*
- St. Joseph's, Chatham
- Sault Area Hospitals
- Stratford General Hospital
- Sudbury Regional Hospital*
- Timmins and District Hospital
- Windsor Hotel Dieu Grace*
- York Central Hospital, Richmond Hill

* Enhanced District Stroke Centres

Secondary Stroke Prevention Clinics

- 24 secondary prevention clinics
 - Barrie, Belleville, Brantford, Brockville, Chatham, Hamilton (2), Hawkesbury, Kitchener, Kingston, London, Mississauga, Niagara Falls, North Bay, Oshawa, Ottawa, Owen Sound, Perth and Smith Falls, Sarnia, Stratford, Toronto (2), Thunder Bay, Windsor

Role of Heart and Stroke Foundation

- Provincial Coordinator
 - Annual Stroke Collaborative
 - Support to Provincial Stroke Steering Committee and sub-committees
 - Support to regional roles
 - Administrator of research grants program
- Program Development
 - Telestroke Work Group
 - Living With Stroke
 - Lead for national prof ed program

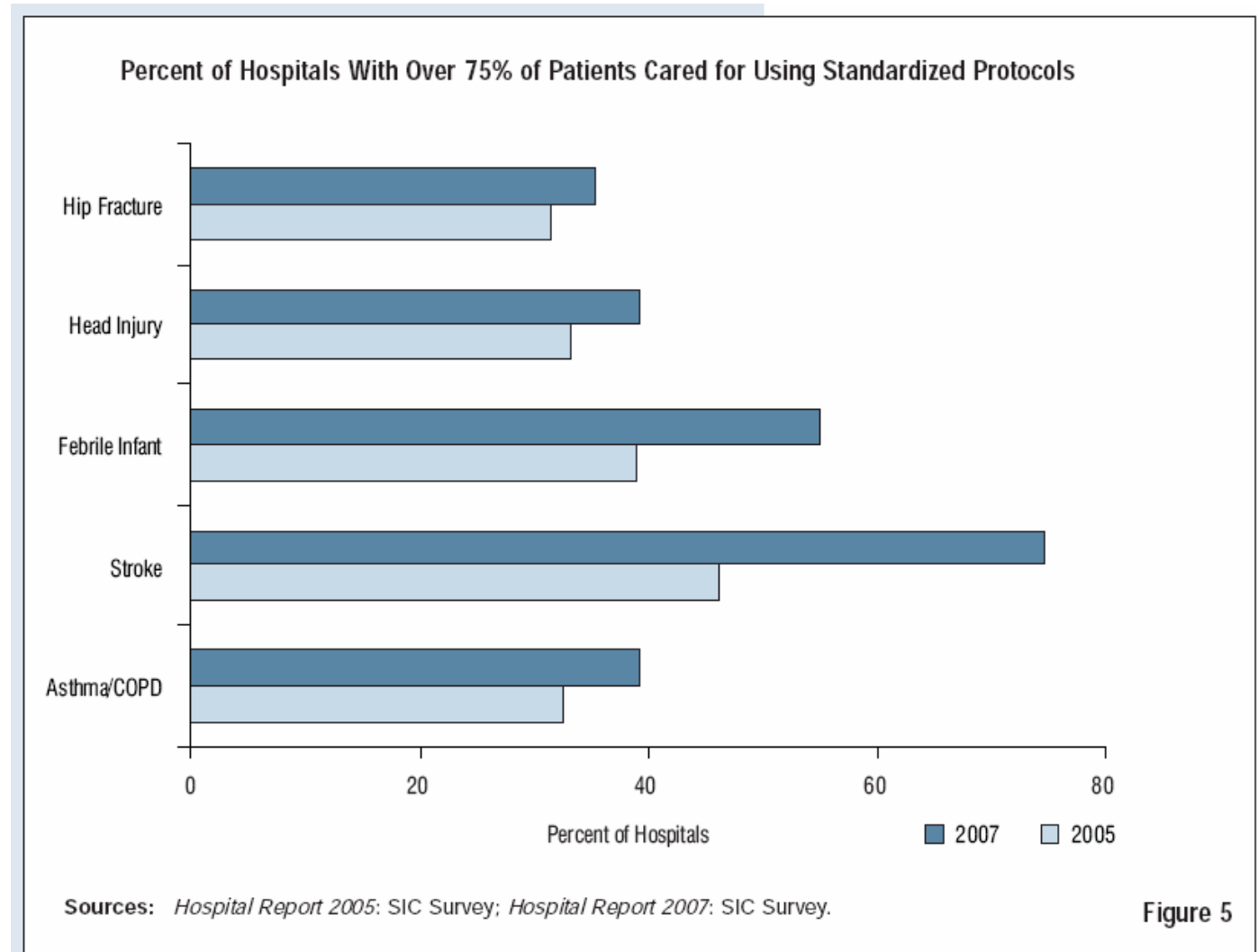
Role of HSFO, cont...

- Professional Education
 - Development of resources for stroke care providers across the continuum of care
 - Support implementation of provincial and national best practice guidelines
 - Support inventory of professional education resources
- Public Relations
 - Walter Gretzky spokesperson for stroke
 - Provincial public awareness campaign
 - Support of regional newsletters and events

Ontario Stroke System a Success

- 34% of ischemic stroke patients arriving at Regional Stroke Centres within 2.5 hours of stroke onset now receiving tPA, (5.1% across entire province based on audit data)
- Acute hospitalizations decreased and 62% of TIA patients discharged from the ED are referred to Secondary Prevention Clinics

An increasing number of hospitals are developing and using standardized guidelines for the majority (75% or more) of their patients in several areas of clinical practice. This year, a considerable improvement in using practice guidelines was found in the treatment of stroke, febrile infants, head injury, asthma/chronic obstructive pulmonary disease (COPD) and hip fracture. This may be due to the increased awareness of clinical guidelines and protocols and improved coordination of activities among members of the care team.



Public Awareness

- Awareness of two or more stroke warning signs increased from the baseline in August 2003 of 52% to 72% in August 2005
- The percentage of Ontarian 45+ that:
 - Knew none of the warning signs went down from 21% to 10%
 - Knew four of the warning signs went up from 7% to 14%

Professional Education Resources

- Stroke Rehabilitation Resource Guide, a guide to help providers access information about key stroke rehab topics
- Fact sheets on driving after stroke for stroke survivors and professionals
- Bilingual pocket cards on Risk Stratification for Early Stroke Recurrence Following TIA
- New TIA bookmark and section of Prof Ed Web site
- tPA online module in development

For More Information

Best practice guidelines for stroke care

A Wealth of Professional Education Resources Are Available To You

The Heart and Stroke Foundation and the Ontario Stroke System have developed a number of professional educational resources for stroke that cover the full continuum of stroke care, including prevention, pre-hospital, emergency and acute, rehabilitation and long-term care/community.

For more information on the Ontario Stroke System Professional Education Resources or to obtain copies:
Call 416-489-7111 ext. 388
E-mail: cpe@hsf.on.ca or
Visit www.heartandstroke.ca/profed

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Consumer Resources



*Create your
Health Action Plan
personalized for you!*

- Personalized Blood Pressure Risk Assessments and Health Action Plans help people identify and reduce their risks
- Visit:
[www.heartandstroke.ca/
bloodpressure](http://www.heartandstroke.ca/bloodpressure)

Other Consumer Resources

- Living With Stroke
- Let's Talk About Stroke
- Blood Pressure Action Pad
- For more information, visit www.heartandstroke.ca