

TABLE TWO: HSF CSBPR CORE ELEMENTS OF STROKE PREVENTION SERVICES

Secondary Prevention Services Core Element	Alignment with CSPBR*	Description ^
Organizational Elements of Stroke Prevention Services		
Designated Prevention Services	CSBPR-SPOS Section 1, 3	<ul style="list-style-type: none"> <input type="checkbox"/> The SPS is identified and acknowledged within the local/regional health system as providing stroke prevention services <input type="checkbox"/> The SPS is conducted in a specific space within a hospital or the community, such as within the ambulatory/outpatient clinics or a physician's office <input type="checkbox"/> SPS follows protocols for an individualized evidence-based prevention strategy for patients <input type="checkbox"/> Emergency departments have responsibility to provide SPS to patients or ensure referrals are made to an appropriate SPS prior to patient discharge from the ED <input type="checkbox"/> The SPS provides any combination of emergent (same day), urgent (within 24 hours); semi-urgent (within 2 weeks), less urgent (within one month) stroke prevention services <input type="checkbox"/> SPS are accessible to stroke and TIA patients with disabilities (e.g. physical, cognitive, and perceptual) <input type="checkbox"/> SPS make provisions to provide care to and support patients with aphasia and other communication challenges
Operation Times		<ul style="list-style-type: none"> <input type="checkbox"/> The SPS has set hours of operation that are communicated to all referral sources
Stroke Team Staffing	SPOS Section 1	<ul style="list-style-type: none"> <input type="checkbox"/> The SPS has access to an interprofessional group of stroke experts, including neurology, internal medicine, vascular surgery, neurosurgery, rehabilitation medicine, neuropsychiatry, neuropsychology, nursing, rehabilitation therapy (such as physiotherapy, occupational therapy, speech-language pathology), support services (such as stroke navigator, social worker, dietician, pharmacist, administrative), research, community liaisons <input type="checkbox"/> Additional Experts are accessed directly within the SPS or through timely pre-arranged referral patterns outside the SPS <input type="checkbox"/> Staff have appropriate training and education to remain current with updates to the CSBPR <input type="checkbox"/> Staff are able to provide care to persons with aphasia and other communication challenges (such as having skills in supportive conversation)
Service Scope	SPOS Section 1	<ul style="list-style-type: none"> <input type="checkbox"/> SPS has a clearly defined scope of practice that is communicated to referring sources – states the range and types of services offered, such as same day urgent referrals, or less urgent services only <input type="checkbox"/> SPS defines its role as providing at minimum a one-time assessment; or additionally assessment and short-term follow-up; long-term follow-up; collaborative care with primary care

Referral Mechanisms	<p>SPOS Section 1 PHEDSC Sections 1, 3</p>	<p>practitioner</p> <ul style="list-style-type: none"> <input type="checkbox"/> SPS has a standardized referral process and documentation(e.g., referral form) to access services; <input type="checkbox"/> The SPS has a designated person coordinating referrals and scheduling appointments appropriate to degree of urgency <input type="checkbox"/> SPS is aware of, and in communication with all potential referral sources regarding referral process and target response times <input type="checkbox"/> All referring sources are aware of the referral process and required documentation for access to the SPS <input type="checkbox"/> SPS follows the CSBPR target times for referrals and responds appropriately based on degree of urgency <input type="checkbox"/> SPS monitors wait times from referral to first assessment appointment <input type="checkbox"/> SPS provides access to patients living outside the immediate catchment for the service, to support patients living in rural and remote settings
Use of Technology	<p>Telestroke Section 1</p>	<ul style="list-style-type: none"> <input type="checkbox"/> The prevention service considers telestroke technology to increase access to services for patients living in rural and remote settings without local access to stroke specialists
Access to Diagnostic Services	<p>SPOS Section 1, 7, 8, 10, 11, 12 PHEDSC Sections 1, 3</p>	<ul style="list-style-type: none"> <input type="checkbox"/> The SPS has timely access to relevant diagnostic services onsite (brain and vascular imaging with CT scan/MRI, CTA, carotid ultrasound, ECG, Holter monitoring, prolonged cardiac monitoring, echocardiogram, laboratory services); <input type="checkbox"/> Agreements are in place with diagnostic departments to access services on a more urgent basis when required as per CSBPR target times (same day, 24 hour, one week etc) <input type="checkbox"/> If services are not available on site, agreements are in place for timely access to diagnostic services within the region, or next closest facility providing such services without undue wait times outside CSBPR target times
Care Delivery Elements of Stroke Prevention Services		
Screening and Assessment	<p>SPOS; PHEDSC; MCF</p>	<ul style="list-style-type: none"> <input type="checkbox"/> SPS routinely screens patient for vascular risk factors in accordance with current evidence-based stroke guidelines <input type="checkbox"/> The SPS has a defined set of validated screening practices that includes timing of such screens in accordance with best available evidence (such as screening tools for blood pressure, stroke severity, physical functioning, depression, cognition, atrial fibrillation, bleeding risk, lipids, diabetes, smoking, recreational drug use, other underlying cardiac issues, lifestyle behaviours, weight, fatigue, birth control and hormone replacement therapy) <input type="checkbox"/> HSF Post-Stroke Checklist available to support screening of patients(add Hyperlink to PSC) <input type="checkbox"/> Protocols in place for use of validated tools to support assessment and diagnosis <input type="checkbox"/> Process for comprehensive assessment of vascular risk factors and potential comorbidities for patients identified as potential increased stroke risk during screening <input type="checkbox"/> Process in place to refer patients to other specialists as required to determine or confirm presence of risk factors (such

		as cardiology for atrial fibrillation determination)
Diagnosis and Etiology	SPOS; PHEDSC; MCF	<ul style="list-style-type: none"> <input type="checkbox"/> Diagnosis should specify the type of stroke/TIA the patient has experienced (i.e., ischemic or hemorrhagic, and if later whether subarachnoid or intracranial hemorrhage) <input type="checkbox"/> Underlying etiology should be determined and communicated to care providers and patient
Treatment	SPoS sections 3-12	<ul style="list-style-type: none"> <input type="checkbox"/> Develop individualized stroke prevention plan for each patient, including defining agreed upon goals of care <input type="checkbox"/> Initiate treatment strategies for identified risk factors and clinical conditions as specified in the CSBPR <input type="checkbox"/> Process in place for timely access to carotid revascularization services onsite or through referral to closest centre providing services, within CSBPR target treatment times (as soon as possible, within 2 weeks of index stroke/TIA event) <input type="checkbox"/> SPS has processes in place to access rehabilitation (inpatient or community) to meet needs of patients
Follow-up Practices	SPoS all sections ToCFS Rehab	<ul style="list-style-type: none"> <input type="checkbox"/> On follow-up, SPS routinely monitors patients for achievement of therapeutic targets and stability within targets <input type="checkbox"/> On follow-up, SPS routinely monitors patients for adherence to prescribed risk factor management strategies and therapies <input type="checkbox"/> SPS re-assesses patients for ongoing physical, functional, psychological, and social changes <input type="checkbox"/> SPS has process in place for patients and primary care providers to re-access SPS services for a patient if changes in health status, or additional consultation on prevention management is required
Communication and Continuity		<ul style="list-style-type: none"> <input type="checkbox"/> Communication with referring physicians, primary care practitioners and other members of the patient's circle of care to ensure continuity of care <input type="checkbox"/> Communications should address and include information on: completed assessments and findings, diagnosis, etiology, treatment plan, prescribed/recommended therapies, additional referrals, and clarification on who is responsible for ongoing follow-up, prescription renewals, and long term management as well as referral back to SPS if needed.
Patient and Family Elements of Stroke Prevention Services		
Education, Promotion of Self-Management	ToCFS Sections 1, 2 SPoS Section 7	<ul style="list-style-type: none"> <input type="checkbox"/> SPS routinely provides verbal education to patients and families <input type="checkbox"/> SPS provides written and electronic educational resources (such as HSF Your Stroke Journey) <input type="checkbox"/> SPS assesses patient and family knowledge, self-management capability, and learning needs for skills and coping mechanisms (e.g., using HSF Post-Stroke Checklist) <input type="checkbox"/> Education materials are available in a range of formats, are culturally appropriate for the catchment population, and if required available in other languages <input type="checkbox"/> Translation services available for patients during SPS visits if required
Linkages	ToCFS	<ul style="list-style-type: none"> <input type="checkbox"/> Provide patients and families with links to community resources and programs to support stroke recovery and implementation of

	Section 6	<p>prevention strategies, such as smoking cessation programs, community dietitians, community-based exercise programs, diabetic education programs, stroke support groups</p> <ul style="list-style-type: none"> <input type="checkbox"/> Able to initiate appropriate referrals for home care support services, specialized equipment, and process for driving assessment as required
Outcome and Quality Elements of Stroke Prevention Services		
Quality and Accountability	All modules	<ul style="list-style-type: none"> <input type="checkbox"/> SPS has mechanisms in place to routinely collect data on patients, including time intervals from referral to follow-up, services provided, effectiveness/outcome of care, physical measurements (e.g., weight, blood pressure); and can capture changes over time <input type="checkbox"/> SPS has a process for reporting data to staff, funders and patients <input type="checkbox"/> SPS compares performance to pre-set targets and benchmarks and engages in quality improvement initiatives to achieve targets and readjust as appropriate. <input type="checkbox"/> SPS should engage in relevant clinical research in the area of stroke prevention when possible

[^] Based on literature review, Delphi-process feedback, Canadian Stroke Best Practice Recommendations, and Accreditation Canada Stroke Distinction Standards. * SPOS – Secondary Prevention of Stroke Best Practice module; PHEDSC – Pre-hospital and Emergency Department stroke guidelines module; MCF – Mood, Cognition and Fatigue CSBPR module; ToCFS – Transitions of Care Following Stroke module; Rehab – Stroke Rehabilitation module