

Cornwall Community Hospital Hôpital communautaire de Cornwall

Community Stroke Rehab A Pilot Project in SD&G

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INTEGRITY . COMPASSION . ACCOUNTABILITY . RESPECT . ENGAGEMENT

* Canadian Best Practice Stroke Recommendations state that stroke survivors with continuing rehabilitation goals should have access to specialized community rehabilitation after leaving the hospital or inpatient rehabilitation.

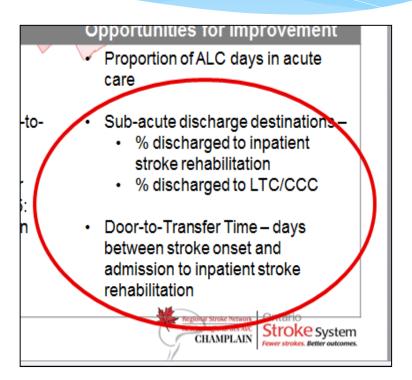


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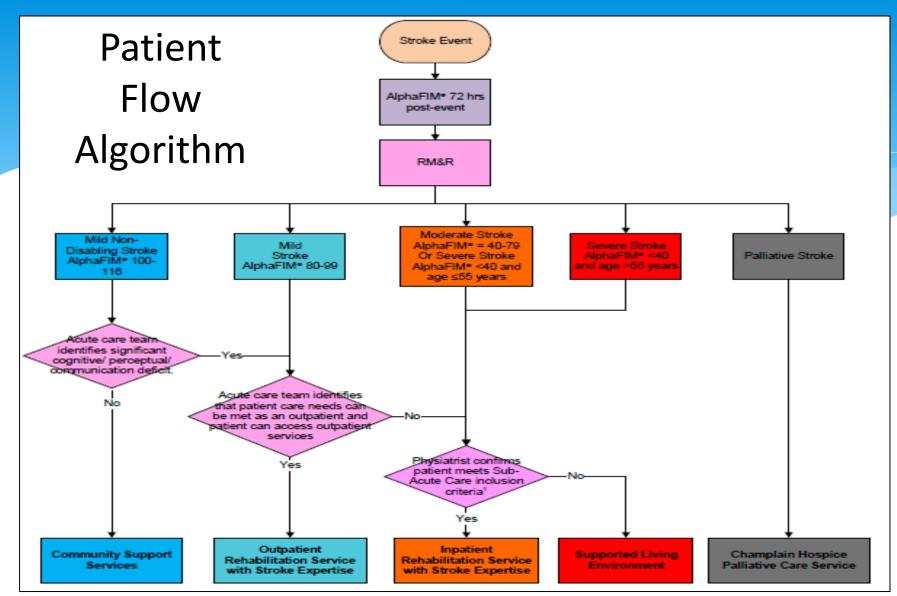


In Champlain, less than 1/3 of stroke survivors receive a referral to outpatient rehabilitation compared to the provincial benchmark.

		Peer performance [®] Acceptable performance [®] Exemplary performance			Exemplary perf	ormance ⁸	Data not avail benchmark not			
cato Io.	r Care Continuum Category				LHIN FY 2013/14	Variance Within UHIN	Provincial Benchmark [®]	High Performer ²		
1	Public awareness and	Proportion of stroke/TIA patients w	who arrived	at the ED by ambulance.		(2012/13)	(Min-Max)	64.5% (64.0%)	Essex Sub-LHIN/Facility	1.1
	patient education			osoresente en la compañía			10000000000			22.5
2 35	Prevention of stroke	Annual age- and sex-adjusted inpat			00 population).	1.0 (1.1)	1.0-1.7	1.1 (1.1)	Flamborough and East Sub-LHINS	11, 8
3'	Prevention of stroke Prevention of stroke	Risk-adjusted stroke/TIA mortality rate at 30 days (per 100 patients). Proportion of ischemic stroke/TIA patients with atrial fibrillation prescribed or recommended			11.4 (12.5) -(78.6% ⁵)	0.0-36.2	-(87.4%)	William Osler Health System,	7	
	Prevention of scone	Proportion of ischemic stroke/TIA patients with atrial fibrillation prescribed or recommended anticoagulant therapy on discharge from acute care (excluding those with contraindications).			-fierera I		-(0),4/4]	Etobicoke		
5	Prevention of stroke	Proportion of ischemic stroke inpatients without atrial fibrillation who received carotid imaging.				72.9% (70.5%)	0.0-100%	90.8% (88.5%)	Thunder Bay Regional Health Sciences Centre	5,6
6		Median door-to-needle time among patients who received acute thrombolytic therapy (tPA) (minutes).				45.0 (51.5")	40.5-68.5	33.0 (48.0 ⁸)	Niagara Health System, Greater Niagara	
7 ⁸	Acute stroke management	Proportion of ischemic stroke patients who received acute thrombolytic therapy (IPA).			13.8% (12.5%)	10.5-16.8%	17.0% (17.0%)	East Niagara Sub-LHIN	10, 1	
83	Acute stroke management	Proportion of stroke/TIA patients to stay.	reated on a	stroke unit [®] at any time during	their inpatient	0.9% (0.7%)	0.5-2.6%	62.7% (61.4%)	Urban Guelph Sub-LHIN	3
9	Acute stroke management	Proportion of stroke (excluding TIA performed during admission to acu		ith a documented initial dysph	agia screening	- (66.4%)		- (87.5%)	Grey Bruce Health Services, Owen Sound	Nor
105	Acute stroke management	Proportion of ALC days to total leng		s acute care.		25.4% (29.8%)	0.0-50.3%	11.7% (12.4%)	Grey Bruce Health Services, Owen Sound	Nor
125	Acute stroke management	Proportion of acute stroke (excludi to inpatient rehabilitation.	ing TIA) pati	ents discharged from acute car	e and admitted	27.9% (30.3%)	20.6-41.0%	46.3% (44.3%)	Lambton Sub-LHIN	Nor
12	Stroke rehabilitation	Proportion of stroke (excluding TIA for outpatient rehabilitation.) patients d	ischarged from acute care who	received a referral	- (4.1%)		- (12.8%)	Thunder Bay City Sub-LHIN	14,
135	Stroke rehabilitation	Median number of days between s rehabilitation.	troke (exclu	ding TIA) onset and admission (to stroke inpatient	14.0 (12.0)	5.0-43.0	5.0 (6.0)	Southlake Regional Health Centre and Bluewater Health, Sarnia	Nor
14	Stroke rehabilitation	Mean number of minutes per day or received.	of direct the	rapy that inpatient stroke reha	bilitation patients	-	-		and the second	•
155	Stroke rehabilitation	Proportion of inpatient stroke reha			gth of stay target.		0.0-85.0%	76.6% (73.1%)	Bruyere Continuing Care Inc.	Nor
16	Stroke rehabilitation	Median FIM efficiency for moderat				1.0 (0.9)	0.5-1.8	1.3 (1.2)	Royal Victoria Regional Health Centre	
17	Stroke rehabilitation Stroke rehabilitation	Mean number of CCAC visits provid Proportion of patients admitted to				5.7 (5.2)	-	8.2 (8.5) \$7.3% (49.0%)	South East CCAC Stratford General Hospital	10, :
	scroke renabilitation	Proportion of patients admitted to or 1110	impacient re	nadistation with severe stroke	1 (100 1 1100	32.9m (32.0m)	\$4.3-41.5%	57.376 (49.0%)	stractoro General Hospital	
195	Reintegration	Proportion of stroke/TIA patients d originating from LTC/CCC).	sischarged fi	rom acute care to LTC/CCC (exc	luding patients	10.5% (9.3%)	2.6-15.2%	2.8% (2.8%)	Barrie and Area Sub-LHIN	Nor
203	Reintegration	Age- and sex-adjusted readmission (per 100 patients).	rate at 30 d	lays for patients with stroke/Tu	A for all diagnoses	7.8 (7.4)	0.0-25.2	-	÷.	1
erforn solity nterpr lender igt pr lender	nari achieved or performance within 1- based analysis (excluding indicators 1 ret with caution as the minimum or ma marts were calculated using the ABC m informers include acute care institution	and greater than 3% about a free con- th acoutant heating difference has the feature of acoutant and the second	mark. 6. indicators are patients. 1999; 5(3) 248–4 car, rehabilitatio	based on CH data unless otherwise spe II) on facility/sub-LHN data: the 2012/13 in facilities admitting more than 52 strates	benchmarks are displayed	in bradiets. Official with at least \$6	6, 50, 53, 59 and 20	a not evaliable in	er Accountability Agreement indicators, 2008/13 N = Not applicable ¹ = Contribute to GBP perform	hence







(Champlain Regional Stroke Network Presentation November 12, 2015. Presented by Beth Nugent, Interim Director CRSN)











Centre de santé communautaire de l'Estrie



hamplain Local Healt ntegration Network Réseau local d'intégration des services de santé de Champlain

Community Stroke Rehabilitation for Stormont, Dundas, Glengarry & Akwesasne

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Introduction

- * Canadian Best Practice Stroke Recommendations state that stroke survivors with continuing rehabilitation goals should have access to specialized community rehabilitation after leaving the hospital or inpatient rehabilitation1.
- * The Ontario Quality-Based Procedures: Clinical Handbook for Stroke states individuals with residual impairment after stroke should receive therapy services to set goals and improve taskoriented activity².
- * Community stroke rehabilitation, including therapy in the home, is currently provided across Ontario in the South East, Waterloo Wellington, South West and Hamilton Niagara Haldimand Brant LHINS.
- In Champiain, less than 1/3 of stroke survivors receive a referral to outpatient rehabilitation compared to the provincial benchmark³.

Objectives

- * Short term: pliot community stroke rehabilitation in the SDG-A* area to optimize a Champiain service delivery model, improve outcomes for stroke survivors and optimize use of acute and inpatient resources.
- * Long term: continue to expand access to outpatient and community stroke rehabilitation services across the Champiain region

Methodology

- * The authors of this poster were members of a working group to prepare an HSIP funding proposal to the Champiain LHIN, submitted July 2015.
- * The proposal reflected program design that incorporated QBP clinical guidance, the Champiain Regional Stroke Rehabilitation System, approximate budget suggestions from the LHIN and input from stroke survivors and care partners.

*SDG-A: Stormont, Dundas, Glengarry & Akwesasne ³CSCE: Centre de santé communautaire de l'Estrie ³ HGMH: Höpital Glengarry Memorial Hospital

Methodology

- * GBP identifies that clinic or congregate settings are preferred. over home therapy when possible. Stroke survivors agreed and said it is therapeutic to get out and go to a clinic.
- Home therapy should be offered to those who are too far (more than 30 minutes), not strong enough to travel and do therapy, or can't get transportation to a clinic.
- Community stroke rehabilitation services should be offered by an integrated multi-disciplinary team possessing stroke expertise according to a unified care plan.
- QBP guidance does not limit the amount of therapy given by qualified aides or the use of group sessions in community rehabilitation.
- The target clients recommended by the QBP for outpatient stroke rehabilitation are summarized in Table 1.

Table 1: Clients Recommended to Receive Outpatient Rehab⁴

Patient Group	Charaoteristics	Care Pathway			
Mild Stroke	AlphaFIM® score 81- 116, without other major complications	Acute care, then outpatient or community rehabilitation			
Moderate Stroke	AlphaFIMØ score 41- 80 or higher with complications (age, cognitive issues, severe aphasia, others)	Acute care, inpatient rehabilitation, then outpatient or community rehabilitation			
Severe Stroke	AlphaFIMØ <41	Acute care then possibly inpatient rehabilitation or CCC followed by inpatient rehabilitation then outstient rehabilitation in community or LTC			

According to QBP, almost all stroke patients discharged to community should receive rehab subject to criteria. Example: criteria for admission to Bruvere ambulatory rehabilitation: medically stable, potential to progress, ability to learn and retain information, endurance/tolerance of 30 - 60 min therapy plus travel time 2-3 times per week.

Lower endurance could be treated in the home.

Results

- * Dedicated clinic space (3 examining rooms & scheduled use of the community room) was identified at CSCE². Therapy will also be available at HGMH² rehab facility including pool as well as in client homes.
- * CCAC was identified as the lead agency and staffing organization with ability to accommodate small and variable program volumes. Using dedicated funding, team will implement stroke specialized care including expanded care coordinator role and interprofessional team meetings.
- Expected client profiles were based on peer programs to make projected care plans and proposed budget. Annual SDG-A clients are estimated at 60 cases. (Figure 1). Treatment plans are consistent with QBP guidance.
- * The maximum projected service plan (client type 1) would see PT and OT weekly, PT-A and OT-A weekly, and S-LP twice weekly for eight weeks as well as SW or nursing at beginning. middle and end of pathway for total of 51 sessions in 8 weeks.

Figure 1: Expected Rehab Service Needs for Budgeting Projections

Cilent Type	Services.	Percentage Lossed on page 10 programs	Speciel SDD-A Annual Cherita	35	ą k	8.P	Valla Stirler Hurse	Visite Altere	Total Visits Therapida	Patheny Total Vieta
1	01, 11, 8,0,84	10%	11	8	8	16	3	15	35	51
2	OT PT, BUP	28%	17		4	16	0	16	- 32	48
2	OT, PT, BW	12%	7	- 6		0	- 3	16	19	35
4	OT, PT	10%	- 11	- 6		0	0	16	16	32
5	01, 8J, 8M	4%	2		0	16	2	8	27	35
6	OT BUP	7%	4	8	0	15	0		24	32
7	07, 84	2%	2	6	0	0	3	6	9	15
8	10	5%	3	6	0	0	0	6	6	12
9	PT, 8(P, 8W	1%	1		6	16	3	6	25	21
10	PEAD	1%	-		0	16	0	6	22	26
11	PT, 8W	1%	1		6	0	3	6	9	15
12	PT .	1%	•		0	0	0	6		12
13	8.2,89	05	•	0	0	12	3	0	15	15
14	B.P	0%	0	0	0	12	0	0	12	12

- Client/family focus groups were held in Cornwall (English) and Alexandria (French). Both groups strongly expressed that arriving home from inpatient treatment was very difficult. Outpatient rehab is needed to improve function in the community setting and identity reintegration strategies.
- * Client priorities led the budget planning in the direction of shorter pathways (8 weeks instead of 10 or 12) in order to support access as recommended by QBP for all stroke survivors in SDG-A area.

Conclusions

- * A feasible plan consistent with QBP guidance was developed for community stroke rehab in the SDG-A area.
- * Champiain LHIN funded the pilot project for service to be delivered from Jan. 2016 - March 2017. Implementation is currently underway.
- CRSN will contribute evaluation to support expansion of similar services throughout Champiain region.
- Client and family engagement was an important part of setting priorities to resolve the tension between quality, access and cost

Visions for our Future



Above: stroke rehab OT at HGMP Right top: Aque rehab HGMH Right bottom: Future clinic site CSCE



References

- 1. Canadian Best Practice Stroke Recommendations, 4th Edition 2012-2013 UPDATE July 10, 2013 Section 5.4.
- 2. Quality-Based Procedures: Clinical Handbook for Stroke (Acute and Post Acute), February 2015, Section 9.1.
- 3. Ontario Stroke Evaluation Report 2014: On Target for Stroke Prevention and Care, Ontario Stroke Report Card, 2012/13 Champiain Local Health Integration Network
- 4. Quality-Based Procedures: Clinical Handbook for Stroke (Acute and Post Acute), February 2015, p. 28.





Community Stroke Rehabilitation Program

Jeanne Bonnell, Program Manager Dorothy Kessler, Project Manager

Champlain CCAC



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Program Overview

- * Specialized outpatient stroke rehabilitation service
- * Provides intensive, time-limited rehabilitation
- * Focus on individual client goals and integration into community programs and services.
- * Professional services:
 - Care coordination
 - Nursing
 - Occupational therapy
 - Physiotherapy
 - Communication therapy
 - Social Work
- Clients receive therapy1-2 times/week for up to 8 weeks in a clinic setting Cornwall (Centre de Santé Communautaire de l'Estrie) or in their homes

Admission Criteria

- Diagnosis of recent stroke
- Discharged from hospital and residing within the Stormont, Dundas, Glengarry region and Akwesasne (Ontario) area
- * Discharge to home or a Retirement Home
- * Medically stable
- * As a guideline, clients admitted directly from acute care should have a discharge AlphaFIM[®] > 80.
- * Ability to learn and retain information



Admission Criteria

- Potential to progress
- * Endurance/tolerance of 30 60 min of therapy
- * Able to identify goals related to functioning at home or in the community, willingness to participate
- * Able to attend therapy alone or a caregiver is available to attend therapy sessions if assistance is required
- * Potential to travel to clinic for some therapy



Referral Process

- Ensure the patient meets all of the above admission criteria
- * Complete a CCAC referral form
 - a. Under "Relevant Diagnosis/Information for referral", indicate Community Stroke Rehabilitation Program and specify therapy discipline(s) required
 - b. Include relevant discipline reports and contact information.
- * Fax referral to Hospital Portal (regular hospital CCAC fax number) between 8 am -3 pm Monday to Friday



Next Steps

- * Go live January 18-25
- * Communication
 - * CCAC Information sheets (English/French)
 - * Presentation to stakeholders
- * Evaluation
 - * Short term monthly
 - * Long term every 6 months/yearly

