



Falls Prevention in Primary Care: Assessment to Intervention

Introduction

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Lorna Desmarais: Public Health Promoter, Timiskaming Health Unit

Meghan Peters: Quality Improvement Decision Support Specialists for 9 Family Health Teams

Working Together





Bright Lights Award 2016

Collaboration Across Interprofessional Teams to Foster Improvement

Espanola & Area Family Health Team; Powassan & Area Family Health Team; City of Lakes Family Health Team; Great Northern Family Health Team; East End Family Health Team



I can do things you cannot, you can do things I cannot; together we can do great things.

Mother Teresa

Objective

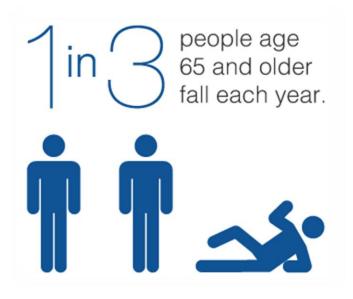
1.) To describe:

- how the NE LHIN, primary care providers and public health units work together to implement a standard older adult falls risk screen and assessment process and;
- how older adults are supported to improve their balance, strength and flexibility through a range of physical activity opportunities.

2) To demonstrate:

• how to optimize the tools within the EMR to efficiently streamline patient screening, assessment and referral.

Background



Falls and Injuries cost Canadians \$3 Billion each year



Falls are the 6th leading cause of death (Canada).

22% of patients are 65 years or over

Falls Risk Screen / Assessment Best Practices

A strategy to reduce the risk of falls should include:

- a multi-factorial assessment of known falls risk factors and management of the risk factors identified
- direct interventions customized to the identified risk factors, coupled with an appropriate <u>exercise</u> program should follow the multifactorial risk assessment
- Interventions implemented by the team conducting the falls risk assessment

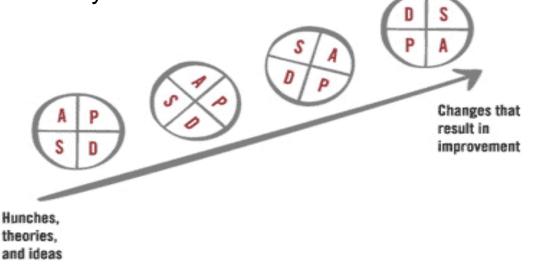
⁻ Based on overall quality of the evidence and magnitude of benefit for the intervention, ratings for the above : A – strong recommendation. From: Panel on Prevention of Falls in Older Persons, JAGs, January 2011, vol 59, no.1.

Falls Risk Screen / Assessment Best Practices

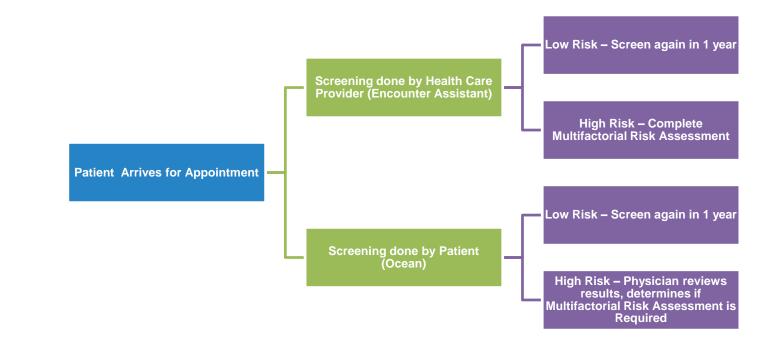
- <u>Partnered</u> with 6 FHT's, 5 public health units, Stay on Your Feet, NE LHIN
- Adapted CDC/STEDI Algorithm into TELUS PS Suite EMR
- Integrated a patient self-risk sceen on Ocean tablets
- <u>Offered</u> free community exercise classes (including "From Soup to Tomatoes")
- <u>Linked</u> patients to community resources and interventions to prevent falls

Falls Risk Screen / Assessment Best Practices

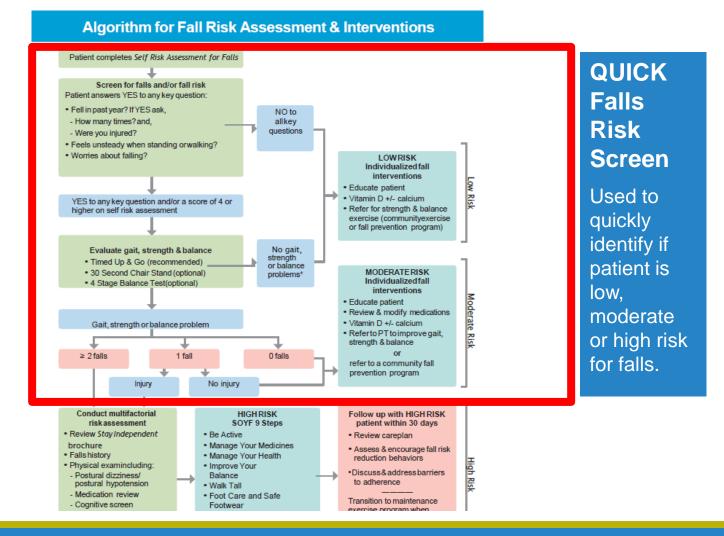
- Can a standard fall risk screen and assessment tool be incorporated into the daily workflow of a FHT including the use of tablet by the patient for initial screen (for all 65 and over patients)?
- Will the "at risk" patient receive a multi-risk factor assessment for falls and be referred for preventative interventions, including a prescription for physical activity?



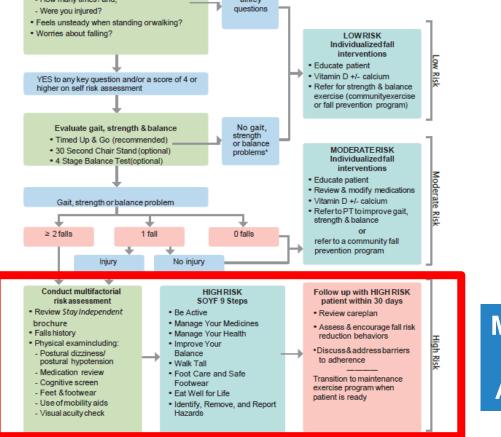
Integration of Falls Risk Tools into the EMR



Integration of Falls Risk Tools into the EMR



Integration of Falls Risk Tools into the EMR



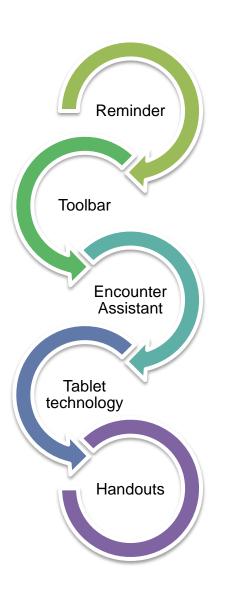
*For these patients, consider additional risk assessment (e.g., medication review, cognitive screen, syncope)



Centers for Disease Control and Prevention National Center for Injury Prevention and Control



Multifactorial Risk Assessment



Reminder

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Handouts

	Reminder Name: mrt - falls risk assessment - Val Caron								
	Doctor Number = (43) Dr. Kristie Herranen								
on	or								
	Doctor Number = (26) Dr. Yves Charette								
	or (20) a contract of the cont								
	Doctor Number = (23) Dr. Paul Malette								
	or De tre Nueben (44) De Kalis Ka ffeldt								
	Doctor Number = (41) Dr. Katie Kauffeldt and								
	Age >= 65								
	and and								
	Note Containing Text "fallriskassessment_stat" months since latest >= 12 or								
	Note Containing Text "(fallhighrisk_stat)" number of times done >= 1								
	or								
	Note Containing Text "@StayingIndependentChecklistScreen: Positive" number of times done $\geq = 1$								
	or								
	Note Containing Text "fallriskassessment_stat" months since latest >= 6								
	and								
	Note Containing Text "fallriskassessment_stat" number of times done >= 0								
	Or Note Containing Text "follying second statt" months since latert > - 6								
	Note Containing Text "fallriskassessment_stat" months since latest >= 6								
	Delete Line Add Line								
	Indent Line -> Edit Line <- Outdent Line								
	Comments:								
Fa	IIs Prevention Toolbar								
10									
	High (scan daily) Medium (reminder report) Low (next visit) Medium (reminder report) Low (next visit) 								
	New Reminder Done								

Reminder Toolbar	Encounter Assistant Tablet technology Handouts	
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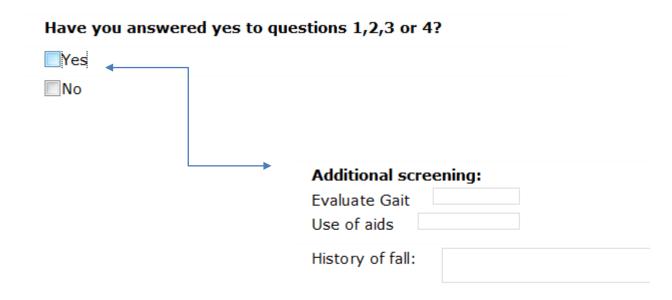
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F H	
Asthma	
Valvular Heart Disease	
DVT	
Diabetes	
a	I a to to
? Tetanus Toxoid Vaccine	flu shot (4)
HgA1C	
Suggest Flu Shot Recommend Pneumococcal vaccine	
Recommend Pneumococcal vaccine	
OFFER Prevnar 13 Prescription	
Order Urine MAC	
There is no valid recorded serum creatinine.	
Date of Latest E079:	
Last Q040A:	
Date of Latest Falls Risk Screen: Sep 21, 2016 Previous score high risk: f Insert Falls	Risk Screen

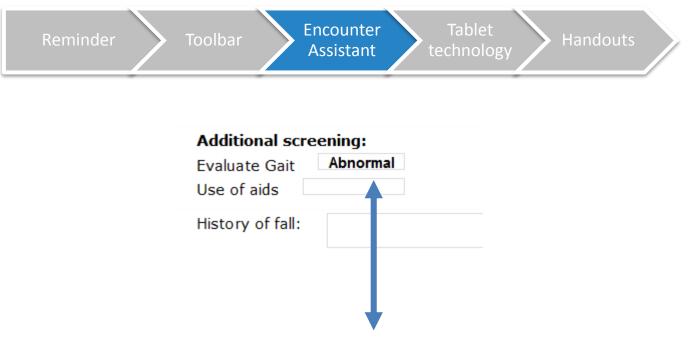
Reminder Toolbar Encounter Tablet Assistant technology Hande	outs
Page 28, 2016 Encounter - Fall Prevention Screening MRT Type of Contact: Phone In-person	
Falls Quick ScreenNFell in the past yearNFeels unsteady when standing or walkingYWorries about fallingQuick Falls Screen Total Score:1.0	
Staying Independent Checklist I have fallen in the last 6 months I use or have been advised to use a cane or walker to get around safely Sometimes, I feel unsteady when I am walking I steady myself by holding onto furniture when walking at home I am worried about falling I need to push with my hands to stand up from a chair I have some trouble stepping up onto a curb I often have to rush to the toilet I have lost some feeling in my feet I take medicine that sometimes makes me feel light-headed or more tired than usual I take medicine to help me sleep or improve my mood I often feel sad or depressed	Yes No No Yes Yes No Yes Yes No
Staying independent checklist score: 6.0 Q4. Is the Staying independent checklist score 4 or higher? Have you answered yes to questions 1,2,3 or 4?	Yes

Yes

No







Is patient high risk of falling?

Reminder Toolbar	Encounter Assistant	Tablet technology Handouts	
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PERFORM MULTIFACTORIAL RISK ASSESSMENT FOR FALL use:

Encounter Assistant

Based on clinical judgement, multifactoral assessment is not required Patient to call and schedule at a later time

Send message to reception to book follow-up with:

MD
NP



PERFORM MULTIFACTORIAL RISK ASSESSMENT FOR FALL use:

Encounter Assistant

Based on clinical judgement, multifactoral assessment is not required

Patient to call and schedule at a later time

Send message to reception to book follow-up with:



NP

MRTsecs	Book follow-up ient for a follow up appointment with NP regarding fall r	Sep 27, 2016 13:50
assessment	ent for a follow up appointment with the regarding fairs	lar.
	For any secretary/dictatypist (click to act on secs's beh	nalf)

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Useful Link:

Handouts

SOYF	Handouts:	

SOYF Balance

SOYF Be Active

SOYF Eat Well

SOYF Eyesight

SOYF Fact Sheet Medication Safety

SOYF Footcare

SOFY Hazards

SOYF Health

SOYF Medicines

SOYF Staying Independent Checklist

SOYF Walk Tall

SOYF What To Do If You Fall Fact Sheet

SOYF Exercise Classes

Falls Can Be Prevented

Preventing Falls Guide **RGPEO webpage for Fall Algorithm and Tools** Fall Algorithm

Timed Up and GO test

Senior's Falls Can Be Prevented brochure

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Handouts

SOYF Handouts:

SOYF Balance

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SOYF Walk Tall

SOYF What To Do If You Fall Fact Sheet

SOYF Exercise Classes

Falls Can Be Prevented

Stay On Your Feet... STEP 5 Walk Tall

Always walk with your body upright and straight. Over time, changes place in the way you walk. It may be due to hip degeneration or lack activity.

Changes to your walk can be caused by many things:

- A loss of leg strength leads to shuffling and putting your for together (women) or further (men).
- Poor hip flexibility and reduced shoulder mobility causes shorter steps.
- Loss of strength in the upper body and back makes you le order to balance.

How to walk tall

- Becoming more active can help you return to being straig
- Perhaps a walking aid can help. Talk to yur doctor, physio occupational therapist about what would work for you.

If you use a walking aid

- Make sure it was designed and fitted just for you. If it is the you are likely to lean to one side and walk crooked.
- Keep it clean and in good working order, especially if it ha wheels.
- Organize your home so you can get around with your walk need to rearrange some furniture.

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Encounter - Fall Prevention Screening

Falls Quick Screen: Fell in the past year: <u>Yes</u>, Feels unsteady when standing or walking: <u>Yes</u>, Worries about falling: No <u>Quick Falls Screen Total Score: 2.0</u>

Staying Independent Checklist:

- I have fallen in the last 6 months: No
- I use or have been advised to use a cane or walker to get around safely: No
- Sometimes, I feel unsteady when I am walking: <u>Yes</u>
- _ I steady myself by holding onto furniture when walking at home: No
- _ I am worried about falling: Yes
- _ I need to push with my hands to stand up from a chair: No
- _ I have some trouble stepping up onto a curb: Yes
- _ I often have to rush to the toilet: Yes
- I have lost some feeling in my feet: No
- _ I take medicine that sometimes makes me feel light-headed or more tired than usual: No
- _ I take medicine to help me sleep or improve my mood: No
- I often feel sad or depressed: No

Staying independent checklist score: 4.0 No Q4. Is the Staying independent checklist score above 4?

Evaluate Gait: Abnormal

IS PATIENT HIGH RISK OF FALLING: YES

Conclusion: patient requires additional assessment (perform multifactorial risk assessment for falls)

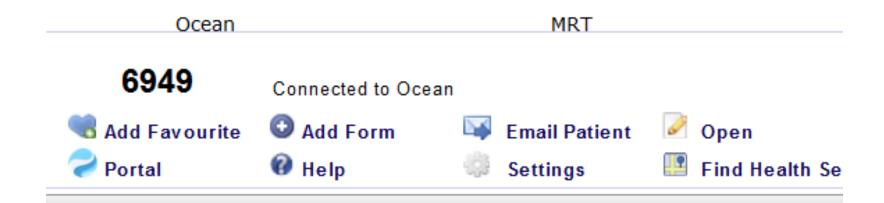
fallriskassessment_stat

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IISTORY:	
listory of Falls: lumber of falls in the past year:	Pharmacy: Polypharmacy (6+) Psychoactive medications (including sedative hypnotics, anxiolytics, antidepressants) Prescriptions associated with falls
Patient concerned about falling Walking Aids: Acute or fluctuating medical conditions (hypotension, hypo/hyperglycemia, syncope, seizures) Chronic medical conditions (osteoporosis, urinary incontinence, cardiovascular disease)	▼
Jrinary Incontinence:	
Impaired Vision: Cataracts requiring surgery Bifocals or progressives Exam >1 year ago	Footwear: Normal Poor Footware Arthritis Pain Bunions Deformities Ulcers Sensory loss Other
Behaviour Risks: Sleep changes Decreased interest Mood changes Psychomotor changes Psychosomatic complaints Suicidal thoughts Appetite or weight loss Memory or cognition issues observed	Fracture Risk: Last BMD: Nov 5, 2015 Prior fractures Parental hip fractures Arthrtiis Glucocorticoid use Current Smoker Regular Drinker High risk for low BMD, future fractures, and falls

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Explorer, Dora	
E H	
Asthma	
Valvular Heart Disease	
DVT	
Diabetes	
Image: Pretanus Toxoid Vaccine Image: Pretanus Toxoid Vaccine	ı shot (4)
HgA1C	
R Suggest Flu Shot Recommend Pneumococcal vaccine	
OFFER Prevnar 13 Prescription	
Order Urine MAC	
There is no valid recorded serum creatinine.	
Date of Latest E079:	
Last Q040A:	
Date of Latest Falls Risk Screen: Sep 21, 2016 Previous score high risk: f Insert Falls Risk	Screen
CCCAN Labs Req DI SOAP BP Wt Forms ODB Meds Google Images Map Bill F/U CP	P Import





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6949	Connected to Oce	an						
🧠 Add Favourite	🖸 Add Form	斗 Email Patient	Open		1	2	3	
Ә Portal	🔞 Help	Settings	💷 Find Health Serv	ice	4	5	6	_
					7	8	9	
					NEW	0	CLEAR	

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Falls Prevention				
Have you fallen in th	ie past year?			
		Yes	No	
How many times?	3			
Were you injured?		Yes	No	
Do you feel unstead	y when standing o	r walking?		
		Yes	No	
Do you worry about	falling?	Yes	No	
				i i
Back	Q	uit	Next	
Back	Q	uit	Next	

Reminder Toolbar	Encounter Assistant	Tablet technology Handouts	
	Canadian Staying Independent Cl	hecklist	
	I have fallen in the past year.	Yes No	
	I use or have been advised to use	a cane or walker to get around safely.	
		Yes No	
	Sometimes, I feel unsteady when	I am walking.	
		Yes No	
	I steady myself by holding onto fu		
		Yes No	
	I am worried about falling.	Yes No	
	I need to push with my hands to s	tand up from a chair.	
	1997 - C. 1997 -	Yes No	
	I have some trouble stepping up of	onto a curb.	
		Yes No	
	I often have to rush to the toilet.		
		Yes No	
	I have lost some feeling in my fee	Yes No	
	lacks modicine also a socialization or		
	take medicine that sometime ma than usual.	akes me feel light-headed or more tired	
	Back	Quit Next	

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Handouts

Aug 30, 2016 Falls Prevention Screening	OCN/MRT
fallriskassessment_stat fallriskocean_stat Pati	ent
No falls or near-falls in past year.	
Does not feel unsteady while walking.	
Does not worry about falling.	
@QuickFallsRiskScreen: Negative	
@QuickFallsRiskScreen: 0	
Canadian Staying Independent Checklist	
I have fallen in the past year. "No"	
I use or have been advised to use a cane or walke	-
Sometimes, I feel unsteady when I am walking. "N	
I steady myself by holding onto furniture when wa	alking at home. "No"
I am worried about falling. "Yes"	
I need to push with my hands to stand up from a	
I have some trouble stepping up onto a curb. "Ye	25"
I often have to rush to the toilet. "No"	
I have lost some feeling in my feet. "No"	
I take medicine that sometime makes me feel light	
I take medicine to help me sleep or improve my m	00d. "No"
I often feel sad or depressed. "Yes"	
@FallRiskScore: 3	-1-
A score of 4 or more is a positive screen for fall ri	SK.

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	Ucoful Links
SOYF Handouts:	Useful Link:
SOYF Balance	Preventing Falls Guide
SOYF Be Active	RGPEO webpage for Fall Algorithm and Tools
SOYF Eat Well	Fall Algorithm
SOYF Eyesight	Timed Up and GO test
SOYF Fact Sheet Medication Safety	Senior's Falls Can Be Prevented brochure
SOYF Footcare	
SOFY Hazards	
SOYF Health	
SOYF Medicines	
SOYF Staying Independent Checklist	
SOYF Walk Tall	
SOYF What To Do If You Fall Fact Sheet	
SOYF Exercise Classes	
Falls Can Be Prevented	

For a copy of the report on the pilot

www.nelhin.on.ca/stayonyourfeet



Role of Public Health

- Implement SOYF at the local level
- Facilitate local SOYF Coalitions that plan and set priorities for the district related to healthy active aging
- Public Health Units play a role in the community intervention piece of this initiative
- Support coordinated planning and delivery of exercise classes in the community and linking primary care to these local resources

Stay On Your Feet...

Step 1: Be Active

The best way to reduce your risk of falling is to be physic active. Choose an activity you enjoy so you'll stick to it a regularly.

How much physical activity?

The Canadian Society for Exercise Physiology (CSEP)

- To achieve health benefits and improve activities of living, adults aged 65 and older should accumulat 150 minutes of moderate to vigorous intensity ae activity per week, in bouts of 10 minutes or mor
- It is also beneficial to add muscle and bone stre activities using major muscle groups, at least t week.
- All older adults, including those with poor mobility perform physical activities to enhance balance falls.
- More physical activity provides greater healt

How can you be active?

Choose activities that increase muscle strend upper body and that improve your balance. Here are some examples of activities that c

- Strength training and fitness classes such aquafit.
- Pole walking or a walking group.
- Gardening and housework, washing th
- Activities that focus on balance such a
- Swimming, cycling, dancing, golfing,

Talk to your health care provider

Even if you have health problems, you can still be active. Talk your health care provider if you feel you are limiting your activ because you are afraid of falling. Being active can increase you quality of life and independence. Listen to your body. Talk to your health care provider if something does not feel right when you start exercising.

Stay On Your Feet... Step 5: Manage Your Health

ure

long-term health conditions can increase your risk of falling.

Top 10 Tips to Reduce Your Chance of Having a Fall

- Slow down and take time to be safe. 2. Be physically active for a total of 30
- 3. Have your vision and hearing
- 4. Discuss your medication and supplements with your doctor or pharmacist.
- 5. Eat a healthy balanced diet, drink
- plenty of water, and limit your alcohol intake. 6. When walking outside, be aware of
- Your surroundings and watch where
- 7. Use safety equipment such as canes, walkers, grab bars, and rubber bath mats.
- Wear non-slip shoes, boots, and slippers that fit well, and seek
- treatment for foot problems. 9. Use a night light and keep a
- flashlight by your bed. 10. Complete a home safety checklist
- and identify, remove and report hazards in your environment.

Timiskaming District

For more information about fails or fails For more information adout rails or fails prevention, speak with a health care provider. Stay on Your Feet Timiskaming 705-647-4305, toll-free 1-866-747-4305

he wall or floor or use to wave at the window. or help.

INJURED

Ition

- 2.
 - Use anything that is near: cover up.
- 3. **Keep Moving**

ss, confusion, lightheadedness, slowed eness or blurred vision. Other risk factors joints, poor vision, reduced concentration, y. Poor posture can also make you

age your health

condition-ask your health care provider, get in a support group.

eckups to discuss your concerns, prevent and get early treatment.

understand your medications.

hat To Do If You Fall

1. Rest. Falling is a shock.

2. Think about your next move.

IF YOU CAN GET UP

Roll onto your side.

Push up into sitting position. Turn onto your hands



and knees. Crawl to the nearest suitable furniture. e.g. bed, chair, sturdy stool.

Place your hands on the surface.



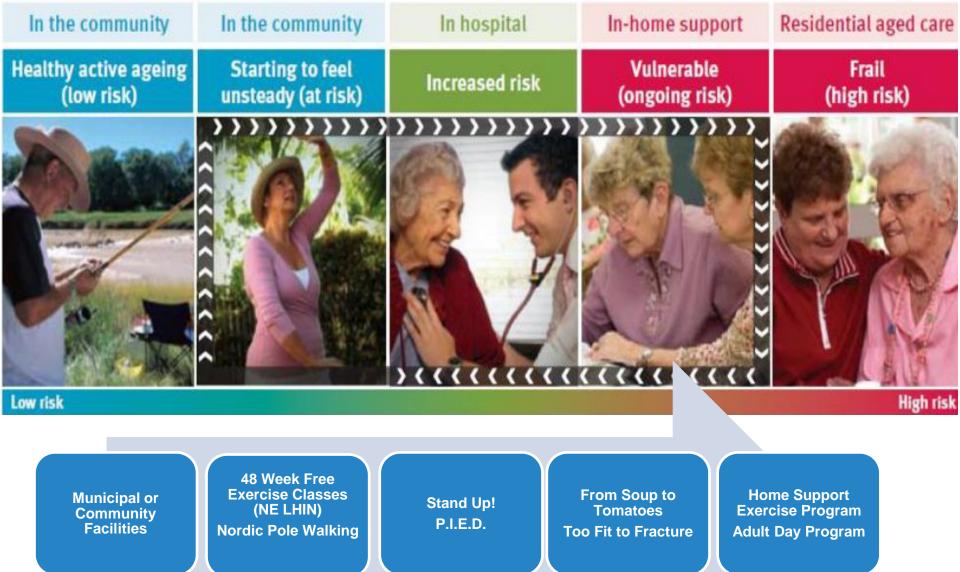
Place one foot flat on the floor.

- www.timiskaminghu.com

Keep Warm

bedding, a coat or tablecloth to

dical or personal le to the phone. Call ay on the line.





Join FREE exercise classes for Older Adults (65+)

Participez gratuitement à des cours d'exercices

pour personnes âgées (65 ans et plus).

No registration required ~ Drop in welcome Sans rendez-vous ~ Aucune inscription requise Supported by: / Financé par :



North East Local Healt Integration Network Réseau local d'intégration des services de santé du Nord-Est

STAND UP!

			·			
Municipality municipalité	Location emplacement	Address adresse	Days and Times journée et temps	Contact Person contact	Phone téléphone	STAND
Elk Lake	Royal Canadian Legion	175 Pine Street	Tues & Thurs 10-11 am	Julie Laplante	705-563-8110	
Englehart	Arena Complex	80 7 th Ave	Mon & Wed 4:30-5:30 pm	Val Kennedy	705-471-526	
Kirkland Lake	Joe Mavrinac Community Complex	55 Allen Avenue	Tues & Thurs 10-11 am	Kim Klockars	705-567-521	170
Kirkland lake	Tweedsmuir Residence	25 Tweedsmuir	mardis et jeudi 10h à 11h	Carole Godmaire	705-567-14	1-4
Kirkland Lake	CSCT	22 Water Lane	mardis et mecredi 10h à 11h	Carole Godmaire	705-567-14	T
Larder Lake	Town Hall	69 Fourth Avenue	lundi et mecredi 11h à 12h	Carole Godmaire	705-567-1	Mille V
Temagami	Ronocco House	5 Bayview Lane	Monday 1:30-2:30 pm	Rhonda Etmanski	705-569-	EN
Temagami	Royal Canadian Legion	11 Parkview Lane	Wednesday 10-11 am	Rhonda Etmanski	705-569	
Temiskaming Shores	Riverside Place	55 Whitewood Avenue	Monday 10-11 am	Tai Chi Society	705-647 A	Falls Prevention
Temiskaming Shores	Haileybury Arena	500 Ferguson Ave	Thursday 10-11 am	Tai Chi Society	-46	Cise Program (
Virginiatown	Centre récréatif de McGarry	70 ch. Du Gouvernment	lundi et jeudi de 14h à 15h	Carole Godmaire	705-5	Older Adults
Virginiatown	Centre récréatif de McGarry	70 ch. Du Gouvernment	lundi et jeudi de 15h à 16h	Carole Godmaire	705-	

For more info on available exercise classes in your community visit www.timiskaminghu.com

Pour plus d'information sur Les classes disponibles dans votre communauté, veuillez visiter www.timiskaminghu.com Class info is subject to change ~ Le temps et lieux des classes peuvent changer

From Soup to Tomatoes



Lead by local senior volunteer Eleanor Katona

Are you an older adult?

Are you hoping you can keep your strength and stay independent?

Do you struggle with mobility, standing, regular exercise?

Would you enjoy social time with others?

Join our FREE chair-based exercise program for seniors

Dates: January 4th – February 12th Monday • Wednesday • Friday 9:00am at Riverside Place in New Liskeard For more information contact: Natasha Rivard at (705) 647-6100



If options in a community are limited, public health can work with FHT's and support them in offering a program that can benefit older adults



From Soup to Tomatoes

https://www.fromsouptotomatoes.com/



Contact: Jon Brunetti, Espanola FHT (jbrunetti@esphosp.on.ca)

Key Learning

• Take your time, learn together and keep moving things forward use the PDSA cycle

- The <u>direction</u> is important not the <u>speed</u> at which it happens.
- Go slow...to go fast.

Key Learning

- Work within the capacity of your team get buy in within the team to "try it"
- Develop the plan for integration, together
- Start small and manageable
- Use quality improvement tools (e.g. PDSA), identify a small focused way to test the tools and expand as you learn what works
- Use the full scope of practice of each team member to contribute to the process

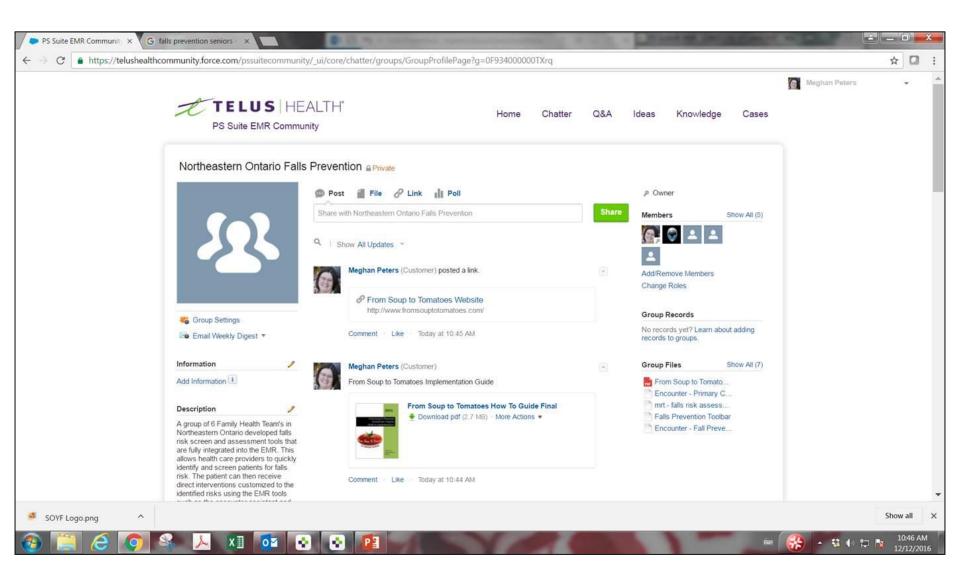
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Key learning

- Keep resources both electronic and paper customize and provide practical resources that address the client's risk factors – don't give out a "suitcase of resources"
- Use the screening as an opportunity to refer patients to Stand Up!, local free exercise classes and other opportunities
- Consider integrating "From Soup to Tomatoes" into your practice – its free, high quality and easy to implement
- Share the SOYF Home Safety Checklist with all patients over 65 years – 50% of falls happen in the home 70

Next Steps

- FHTs access your QIDSS for assistance you can download the EMR tool from TELUS
- Connect with your LHIN and Public Health Unit
- Accuro Pilot starting in April 2017 in NE LHIN
- Network opportunity through TELUS



Contacts

Jon Brunetti, Espanola Family Health Team (jbrunetti@esphosp.on.ca)

Meghan Peters, City of Lakes Family Health Team (<u>mpeters@yourfamilyhealthteam.com</u>)

Lorna Desmarais, Timiskaming Health Unit (desmaraisl@timiskaminghu.com)

Wendy Carew, SOYF, NE LHIN (<u>wendy.carew@lhins.on.ca</u>), 705 – 840- 1610

www.nelhin.on.ca/stayonyourfeet

Questions?