Seniors’ Falls Can Be Prevented

Did You Know?

- One-third of people aged 65 years and over typically fall once or more each year
- Falls are the most common cause of injury and the 6th leading cause of death for seniors
- Canadians spend about $3 billion a year on seniors’ fall injuries
- Almost half of admissions to long-term care facilities are fall-related
- Half of the people who have a hip fracture never regain their pre-fall level of functioning
- Falls usually happen because of the combined effects of a number of factors, such as a loss of balance, side effects of medicine, impaired mobility or vision, and environmental hazards
- Most falls occur in seniors’ homes, while doing usual daily activities
- 40 per cent of falls that require hospitalization involve hip fractures
- Women are 3 times more likely than men to be hospitalized for a fall
- Seniors may develop a “fear of falling”; causing them to restrict their activities which can increase their risk of falling due to weak muscles, stiff joints and poor balance

What contributes to seniors’ falls?

Falls are caused by a lack of balance or an inability to recover balance.

There are many factors that can influence balance, including some age-related body, physical and mental health problems, and environmental trip hazards.

The following pages highlight some of the risk factors known to increase the risk of falls and fall-related injuries among seniors living in the community...
### What Contributes to Seniors’ Falls?

#### Physical risks include:
- Chronic illnesses or conditions, such as the effects of a stroke, Parkinson’s disease, arthritis, heart disease, incontinence
- Taking multiple medications, particularly those that are known to increase the risk of falling. Examples are inappropriate use of antidepressants, tranquilizers and anti-hypertensives
- Acute illnesses like infections or unstable chronic diseases (e.g. diabetes, heart failure)
- Age-related sensory changes, such as poor eyesight or hearing, reduced sense of touch and ability to know the position or movement of a body part without looking
- Changes in mental alertness due to cognitive impairments, depression, delirium, side effect of medications, consumption of alcohol, poor nutrition, dehydration or lack of sleep
- Mobility problems, including slower reflexes, muscle weakness, impaired balance and poor gait that includes swaying side to side when moving

#### Indoor risks include:
- Poorly lit stairs, ramps or doorways
- Stairs that are not uniform from top to bottom or those with narrow steps
- Stairs without handrails or marking on the edges of the steps
- Lack of, or incorrectly installed, grab bars in bathrooms
- Slippery floors, throw rugs, loose carpets
- Walking surfaces cluttered with objects like cords, pet dishes or newspapers
- Toilet seats that are too low or too high
- Poorly maintained or improper use of mobility aids and equipment
- Doors with raised sills

#### Outdoor risks include:
- Uneven or cracked sidewalks
- Stairs without handrails
- Stairs without clear edge markings on all steps
- Poor lighting: either not enough or too much glare
- Snow, ice, wet leaves on stairs or walkways
- Unmarked curb edges or corners without curb ramps
- Long crosswalks without pedestrian islands
- Objects on sidewalks or walkways such as bike racks or garbage cans
- Controlled crosswalks with times too short for a safe walking pace

#### Risky behaviours include:
- Wearing loose fitting or worn out shoes, or shoes with thick soles
- Taking medications without a regular review for fall risk by a physician, pharmacist
- Consuming alcohol to the point of impaired judgment and/or balance
- Trying to get objects that are out of reach rather than asking for assistance
- Carrying heavy, awkward handbags that can affect balance
- Not using assistive devices (walkers, canes, etc.) when needed or using them incorrectly

#### Social and economic risks include:
- Living alone without a way to access help
- Lack of social networks that lead to isolation and depression
- Insufficient income for safe living quarters or nutritional food
- Lack of access or knowledge on how to acquire needed health care services or health promotion information
- Poor eating habits, with low protein or inadequate fluids
What Can I Do to Lower my Risk of Falling at Home?

<table>
<thead>
<tr>
<th>Stairs and Steps</th>
<th>Kitchen</th>
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<tbody>
<tr>
<td>• Make sure you have light switches at the top and bottom of the stairs and that the stairs are well lit.</td>
<td>• Place frequently used items in an easy-to-reach location with heavy items in lower cupboards.</td>
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<tr>
<td>• Make sure your stairs are in good repair and free of clutter and have a non-slip surface.</td>
<td>• If you have good balance, use a stable step stool with a safety rail for reaching high places – otherwise ask for help. Do not stand on chairs or other unstable furniture.</td>
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<tr>
<td>• Mark the edge of all steps with contrasting coloured non-skid tape or paint, not just the top and last step.</td>
<td>• Always wipe up any spills immediately to avoid slipping.</td>
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<td>• Avoid use of floor wax, or use the non-slip kind.</td>
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<td>• Ask for help with tasks that you feel you can’t do safely.</td>
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<thead>
<tr>
<th>Exterior</th>
<th>Living Areas</th>
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<tr>
<td>• Keep front steps and walkway in good repair and free of snow, ice and leaves.</td>
<td>• Remove all throw rugs or scatter mats or use a non-slip backing with flat edges and make sure they are not in high traffic areas, or at the top or bottom of stairs.</td>
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<td>• Keep your front entrance well lit—consider motion-sensitive lights.</td>
<td>• Watch that your pets are not under foot. Put a bell on their collar so you know where they are.</td>
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<td>• Put away all gardening implements such as hoses and rakes when not in use.</td>
<td>• Make sure all rooms, stairs and balconies are well-lit with non-glare lighting.</td>
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<td></td>
<td>• Make sure you have non-slip surfaces on stairs, balconies, porches and patios.</td>
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<td>• Remove raised door sills where possible.</td>
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<td>• Consider acquiring a personal alarm device that you wear around your neck or wrist to call for immediate help by just pressing a button.</td>
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<th>Bedroom</th>
<th>Bathroom</th>
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<tr>
<td>• A light switch near your bedroom entrance is ideal. However, if this is not available try a motion-sensitive or “clapper” device that automatically turns on the light.</td>
<td>• Use a rubber bath or shower mat, or a non-slip surface in your tub or shower.</td>
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<tr>
<td>• Make sure there is a clear path from your bed to the bathroom.</td>
<td>• Install grab bars by the toilet, bathtub and shower. Obtain the advise of an occupational or physical therapist on the correct type and placement of these devices.</td>
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<td>• Have a cordless phone near your bed.</td>
<td>• Use a bath seat so you can take a shower or bath sitting down.</td>
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<td>• Have a lamp beside your bed. There are lamps that you just touch the base to turn on.</td>
<td>• Keep an absorbent towel available to wipe up moisture or spills immediately.</td>
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<td>• Place night lights in the halls and bathroom in case you get up in the middle of the night.</td>
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What can I do to lower my risk of falling away from home?

Public areas are not always designed with older pedestrians in mind. You can protect yourself by being aware of the most common contributors to falls in public places.

Actions you can take to reduce the risk of these hazards include:

Make a note of the location of any hazards and report them to the local authorities - usually your municipal engineering department.

What can I personally do to decrease my risks of falling?

• Maintain an active and healthy lifestyle through appropriate exercise, good nutrition, regular physical checkups, and eye and ear exams

• If you have difficulty with mobility outside the home, ask your physiotherapist for an in-home exercise program to fit your needs

• For those who are active outside of the home, exercises to promote balance, strength and endurance are best for reducing falls

• Avoid rushing or carrying too much

• Consult a physiotherapist on the appropriate use of mobility aids and safety devices, such as a cane with spiked ends or shoes with ice grips

• Wear footwear that provides good support, with soles that have non-slip treads and are not too thick

• Have your family doctor or pharmacist do a regular review of your medications

• Be socially active by joining a community group and getting together with friends or family

If you do fall, do not ignore it or put it down to “just clumsiness or rushing”

Talk with your doctor about the circumstances of the fall to rule out any medical problems that caused the fall.

Look for a fall prevention program in your community.

For more information on falls and injury prevention go to www.injuryresearch.bc.ca

The BC Falls and Injury Prevention Coalition (BCFIPC) is a multisectoral collaborative of individuals representing regional/provincial organizations, academic institutions, professional associations and community agencies concerned with reducing falls and fall-related injuries among older persons in B.C.