BETTER BRAINS BETTER BODIES BETTER AGEING





An initiative by the Eastern Suburbs Older Persons Mental Health Service, Prince of Wales Hospital





Don't let falls trip you up:

Exercise tips for falls prevention and healthy ageing

Professor Kim Delbaere



Falls in older adults

A fall is

"an event which results in a

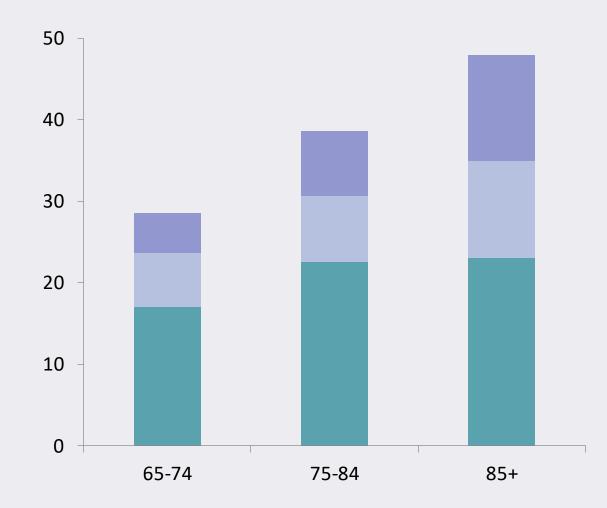
person coming to rest

inadvertently on the ground

or floor or other lower level"



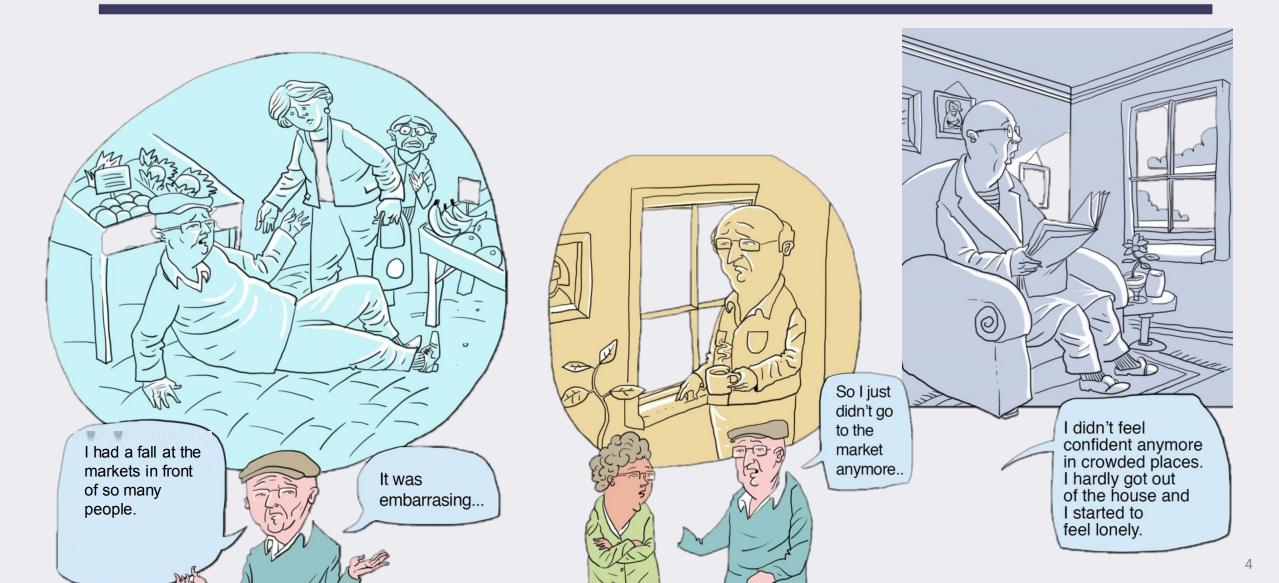
What percentage of people over 65 fall each year?



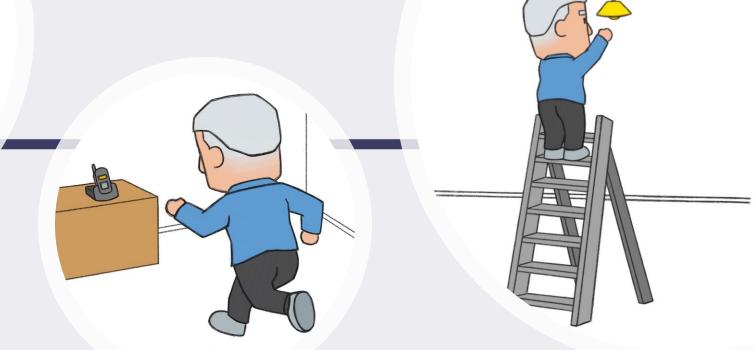
Falls are very common...

- 65+: one in three
- 85+: one in two
- 50% fall 2+ times
- 25% suffer substantial injuries

Falls can result in reduced quality of life due to loss of confidence and restriction of activity







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Why do people fall?



Why do people fall?

Falls often result from complex interactions between different risk factors

Your health

e.g. poor vision, arthritis, stroke incontinence, cognitive decline, illness, physical inactivity

Your mental health

e.g. depression, dementia, anxiety, fear of falling, confusion

Your physical condition

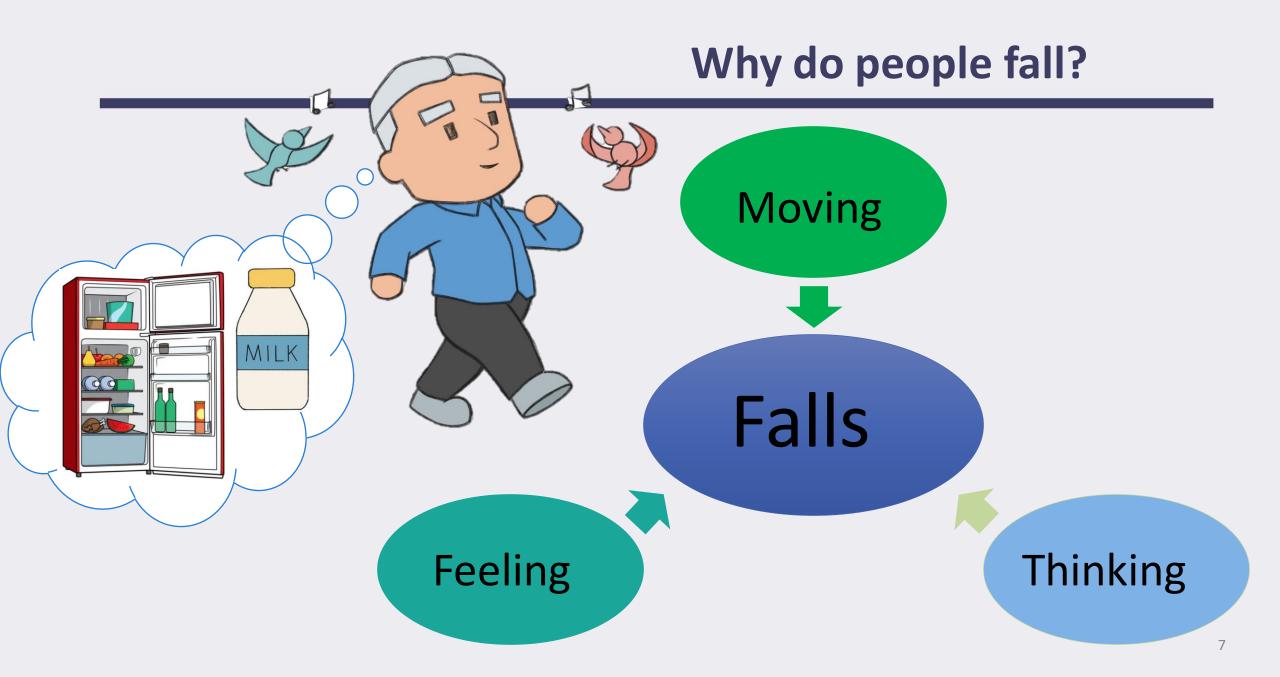
e.g. poor balance, weak muscles, slow reaction time, slow walking speed

Medications

e.g. medication side effects, 4+ medicine, sleeping tablets

Environmental hazards

e.g. poor lighting, trip hazards, footwear



Be active



Physical Activity Guidelines

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> As part of their weekly physical activity, older adults should do varied multicomponent physical activity that emphasizes functional balance and strength training at moderate or greater intensity, on 3 or more days a week, to enhance functional capacity and to prevent falls.

Strong recommendation, moderate certainty evidence

Exercise can reduce falls and improve mobility



• Exercise interventions are the single most effective strategies to reduce the rate of falls (Gillespie et al., 2012)

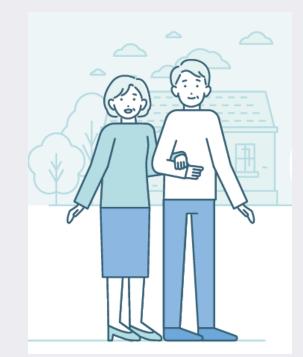
Balance and functional strength exercise

 Moderately to highly challenging balance exercises and performed for at least two hours a week over a 6-month period

(Sherrington et al., 2008, 2015)

• Falls reductions of 37% to 42%

(Sherrington et al., 2008-2019)





Otago Exercise Programme



StandingTall



Interventions targeted to people with particular risk factors

- 1. Podiatry intervention for people with disabling foot pain
- 2. Vision:
 - 1. cataract removal in those with operable cataracts
 - 2. replacement of multi-focal glasses with single-lens glasses in those who walk outdoors
- 3. Medication review:
 - 1. gradual reduction in psychoactive medications
 - 2. vitamin D in those with low vitamin D
 - 3. medication review by a General Practitioner
- 4. Occupational therapy:
 - 1. hip protectors to prevent hip fractures if worn at the time of falls
 - 2. environmental falls prevention interventions in high-risk people

Did you know? About 50% of all falls occur in and around the home.

Bathroom

- Install grab rails
- Use non slip mats
- Consider a shower chair

Bedroom

- Ensure lamps are easy to reach
- Plug in night lights
- Have a phone close to floor in case of an emergency



Floors and environment

- Remove cords and wires from walkways
- Use non-skid rugs
- Secure carpet edges, secure or remove mats and rugs
- Remove clutter and keep paths free from obstacles

Kitchen

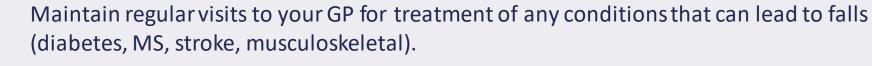
- Keep often used items in easy to reach places
- Never use a chair to climb
- Clean up spills straight away

Stairs

- Install full-length hand rails
- Ensure adequate lighting
- Mark edges of steps clearly
- Attach non-slip treads to step/stair edges

Some practical tips to discuss with your doctor

Medical



What questions could you ask you GP?

- Are my medications affecting my dizziness/falls risk?
- Are there any falls prevention programs (balance + exercise) in the area?
- Is there someone I could see to help me with exercise or my balance?

Eyesight

"I feel a lot better since I ran out of those pills you gave me."

- Wear single lens glasses, no bifocals or multifocal when walking outside.
- Have cataracts removed if recommended by eye specialist.
- Have eyes checked every 12 months.
- Wear a hat/sunglasses when out in the sun to reduce glare.
- Make sure your home is well lit.

There are many co-benefits of falls prevention strategies



I'm not scared now to do anything that would involve my balance because I feel more secure in what I'm doing there.

- FALLS PREVENTION PROGRAM PARTICIPANT, MALE, 76 YEARS



There are many co-benefits of physical activity



Some is good, more is better

Make a start today: it's never too late Every minute counts

Thank you!

https://standingtall.org.au/

