

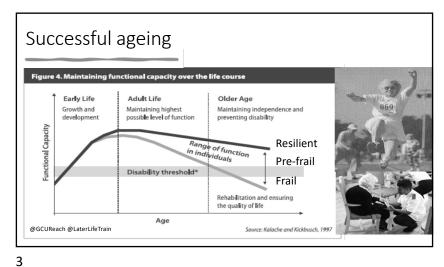
What I will cover:

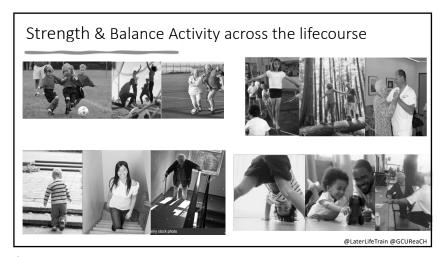
- Falls and frailty individuals, health and social care
- Effect of Covid-19 social restrictions
- World Falls Guidelines
- Effective interventions
- Call to action

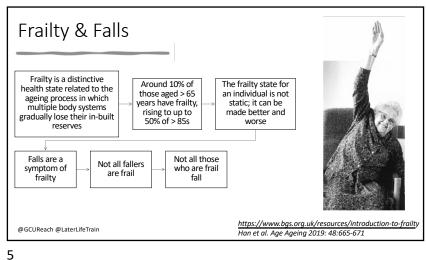


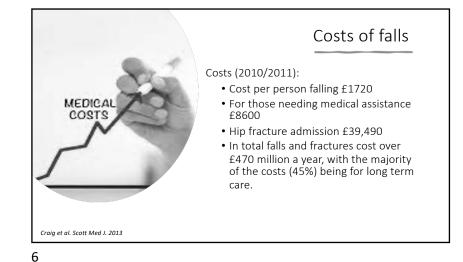
@GCUReach @LaterLifeTrain

2









Falls: The stats

- Falls are 3x more common in care home residents than community dwelling older people
- 40% of admissions into hospital from care homes are due to falls
- Half of these led to hospitalization (mean LoS 32 days)
- 71% of those receiving care at home had ≥ 1 fall in past 6 months

Laina W. Report 2017: Markle-Reid, CJA 2010: Care Inspectorate 2016; Oliver D, Rev Clin Gerontol 2007

@GCUReach @LaterLifeTrain

Falls: Impact

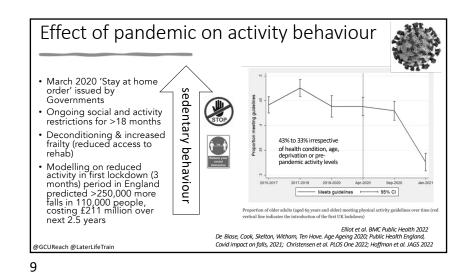
- Cause pain, distress, injury, lost confidence/independence, depression, fear of falling and avoidance of physical activity
- Ambulance call outs to fallers >£350 million/year
- 1 in 3 ambulance calls for a fall are not conveyed to hospital (just picked up off the floor)
 - · Current waiting time for older people who have fallen is 8-12 hours
- Long lies on the floor lead to:
 - · Fear of falling, anxiety and avoidance of activities perceived to lead to a fall
 - Death

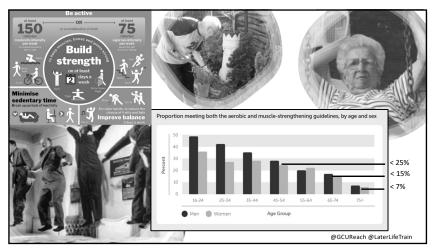
8

@GCUReach @LaterLifeTrain

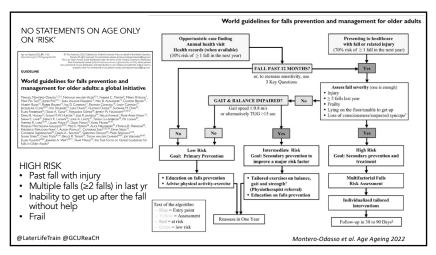


NICE CG161 Falls; Taking Care 2023





10



FINDING THE FALLERS

- Clinicians should routinely ask about falls in their interactions with older adults
- Ask 3 key Qs
 - Have they experienced one or more falls in last 12 months?
 - Frequency, characteristics, context, severity and consequences, long-lies?
 - If they have experienced dizziness, loss of consciousness or any disturbance of gait and balance
 - If they experience any concerns about falling causing limitation of usual activities
- If they say yes to any of these, offer a gait and balance assessment for differentiating intermediate and high risk from low risk

Montero-Odasso et al. Age Ageing 2022

11 12

WORLD FALLS GUIDELINES - PA/exercise

- Older adults at low risk for falls
 - Should be offered education about falls prevention and exercise for general health and/or fall prevention if interested
 - Reinforce physical activity (aim to meet PA Guidelines), lifestyle habits and nutrition (incl. Vit D)
- Older adults at intermediate risk for falls
 - Should be offered targeted exercise in order to improve balance and muscle strength, and reduce their fall risk
- Older adults at high risk for falls
 - Should be offered a multifactorial falls risk assessment to inform individualised tailored evidence-based interventions to reduce falls



@LaterLifeTrain @GCUReaCH

Montero-Odasso et al. Age Ageing 2022

When reduced falls is the outcome....

You wouldn't give a cancer patient only half the dose of chemotherapy.....

Or give them a different drug that was not known to work.....

Treat falls prevention 'treatment' like any other effective rehabilitation pathway

- Effective programme for outcome
- Effective dose / regularity
- Effects discontinue if stop
- Specialist exercise instructors/ physiotherapists

Sherrington, Cet al. Cochrane Database of Systematic

Reviews 2019, plus update for Global Falls Guidelines 2021

14

@LaterLifeTrain @GCUReaCH

13

What works best?

- Functional balance and strength
- Highly challenging + progressive
- Tai Chi

15

- Frequency 3 x per week (for \geq 2 hours total)
- AT LEAST 12 WEEKS (Dose ≥ 50 hours) longer is better
- > These types of exercise also reduce:
 - ➤ fear of falling
 - Sarcopenia & frailty
- No evidence to support walking, dance, yoga, pilates seated exercise or strength training alone



EFFECTS STOP WHEN DISCONTINUE

Sherrington et al., 2008, 2016; 2019; Kendrick et al. 2014; Walston et al. 2018; Silva et al. 2017; Lee et al · Regudart et al. 2018

@LaterLifeTrain @GCUReaCH

Appropriately trained professionals

 Exercise programmes should be delivered by appropriately trained professionals who can adapt exercises appropriately to functional status and co-morbidities. These professionals could be physiotherapists, exercise physiologists or kinesiologists, trained exercise instructors or other allied health professionals. We acknowledge that this will be difficult in some settings but note that the vast majority of interventions found to be effective in trials used trained providers [137, 141].

- 00 mg	Billian 00mm	2012 2 Cold 1 Co	
	MERCHANISM TO THE STATE OF THE	The state of the s	O B MOS

· Benefits of exercise are lost on cessation so opportunities to continue with appropriate activity at the end of the programme are important. If individuals withdraw due to concurrent health issues or caring duties, they should be encouraged to return and programmes should be modified to ensure that the difficulty level and dose are appropriate

> https://agile.csp.org.uk/content/referrals Montero-Odasso et al. Age Ageing 2022

A standardised 'Referral Form' for transfer of assessment and treatment information from the physiotherapist to the exercise professionals trained in Otago or FaME - To continue to build on their exercise journey for better gains

Falls programmes - UK

FaME Falls Management Exercise (6mth)

- reduces falls rate by between 26-54% (depending on population and duration)
- Increases habitual physical activity (105-167 minutes per week by end of programme)
- Effective for both intermediate and highrisk older adults

Otago Exercise Programme (1 yr)

- Reduces falls rate by between 12-48% (depending on population and duration)
- Effective for both intermediate and highrisk older adults

lliffe et al. 2015 BJGP; Skelton et al. Age Ageing; Orton et al. Age Ageing 2021; Campbell et al. BMJ 2001; Bjerk et al. Age Ageing 2019



Examples of successful improvement programmes

- Managing falls and fractures in care homes for older people (Care inspectorate)
- My active Care Plan (NHS Lanarkshire)
- 'Care...about physical activity' (Care Inspectorate)
 - Proportion who did not need help to rise from a chair decreased by 12%
 - 80 mins a day more movement at 20 weeks
 - Decrease in contact with medical services due to falls & total number of medical service contacts
 - Increase in mobility & happiness





17

Key messages

- We can't prevent all falls, but we can prevent some
- Think about:
 - Training (all who work with older people)
 - Encouraging physical activity
 - Referral routes for those at high risk
- Right programme, right person, right time

