Interprofessional Geriatrics Training Program

Preventing Falls Among
Community-Dwelling Older Adults

Acknowledgements

Author: Elizabeth Peterson, PhD, OTR/L, FAOTA
Editors: Valerie Gruss, PhD, APN, CNP-BC
Memoona Hasnain, MD, MHPE, PhD
Expert Interviewees: Elizabeth Peterson, PhD, OTR/L, FAOTA
Michael Koronkowski, PharmD, CGP

Background

• Falls are the leading cause of injury related morbidity and mortality among older adults, with more than one in three older adults falling each year, resulting in direct medical costs of nearly $30 billion (Stevens et al., 2006).
• Some of the major consequences of falls among older adults are hip fractures, brain injuries, decline in functional abilities, and reduction in social and physical activities (Rubenstein & Josephson, 2006).
### Background

- Approximately half of the community-living older population experiences fear of falling (Tinetti et al., 1990).
- Activity avoidance, due to fear of falling, can have negative effects on physical abilities (Dinner et al., 2004).
- Incidence of falls and the severity of complications stemming from a fall increase with age, level of disability, and extent of functional impairment (Oakley et al., 1996; van Weel et al., 1995).

### Learning Objectives

Upon completion of this module, learners will be able to:

1. Explain the significance of falls in terms of prevalence, cost, and associated morbidity and mortality and impact on quality of life.
2. Describe strategies to assess for fall risk that reflect careful consideration of diverse and interacting fall risk factors.
3. Differentiate among multiple, single, and multifactorial fall prevention interventions.
4. Recognize that multiple, single, and multifactorial fall prevention interventions are often complementary.

5. Describe the purpose and components of the U.S. Centers for Disease Control and Prevention's (CDC) Stopping Elderly Accidents, Deaths, and Injuries (STEADI) Toolkit.
6. Summarize key features of four evidence-based and community-based interventions: Otago; Tai Ji Quan: Moving for Better Balance; Stepping On; and Matter of Balance.
7. Identify strategies and resources that health providers can use to reduce fall risk among community-dwelling older adults.
Etiology of Falls

Etiology: Falls Among Community-Dwelling Older Adults

- The risk of falling increases dramatically as the number of risk factors increases (Tinetti et al., 1988)
- Falls are generally the result of multiple, diverse, and interacting etiologies (Chang & Ganz, 2007)
- While previous falls, strength, gait, and balance impairments, and medications are the strongest risk factors for falling, a comprehensive assessment of fall risk factors includes consideration of additional physical, behavioral, environmental, and psychological/attitudinal risk factors, such as fear of falling (Tinetti & Kumar, 2010)

Assessment
### Assessment: Overview

- Because falls are typically caused by diverse, interacting risk factors a fall risk assessment must be comprehensive
- Requires expertise of an interprofessional health care team
- A clinician (or clinicians) with appropriate skills and training should perform the multifactorial fall risk assessment
- A multifactorial fall risk assessment includes:
  - Focused history
  - Physical examination
  - Functional assessment
  - Environmental assessment

(American Geriatrics Society and British Geriatrics Society, 2011)

### Assessment: Approach To The Patient

**When Taking a Focused Fall History, Remember That:**

- The health care provider typically needs to initiate the conversation about falls

**The Health Care Provider Should Explain That:**

- Many falls can be prevented
- Identifying risk factors *that can be changed* is key; for instance, exercise habits or habits contributing to or reducing fall risk in the home
- While it may not be possible to eliminate or reduce all risk factors, even addressing some risk factors can reduce the likelihood of experiencing a fall
- An all-or-nothing approach to fall prevention does not apply
- Preventing falls is a collaborative effort between the patient and the health care team
- Fall prevention is also an ongoing effort because risk factors for falls change over time
- *The Medicare Annual Wellness Visit* is a great opportunity for a patient to discuss falls and fall risk factors with their health care provider
Focused History

History of Falls
• Detailed description of the circumstances of the fall(s), frequency, symptoms at time of fall, injuries sustained, and other consequences

Medication Review
• Review all prescribed and over-the-counter (OTC) medications with dosages
• Assess carefully for use of psychoactive medications, medications with anticholinergic side effects, and/or sedating OTCs
• Referral Cue: Pharmacists are important contributors to this area of assessment

History of Relevant Risk Factors
• Acute or chronic multiple medical problems (e.g., dementia, urinary tract infection, incontinence, and cardiovascular disease, osteoporosis [not in narration])

Interview with Expert:
Elizabeth Peterson, PhD, OTR/L, FAOTA

Assessment: Approach to the Patient
Elizabeth Peterson, PhD, OTR/L, FAOTA

• Use a normative approach to asking about past falls and fear of falling

<table>
<thead>
<tr>
<th>Instead Of:</th>
<th>Say/Ask:</th>
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<tbody>
<tr>
<td>“Have you had any falls in the past year?”</td>
<td>“Most people fall from time to time, especially as they get older…”</td>
</tr>
<tr>
<td>“How many falls have you had in the past year?”</td>
<td></td>
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</tbody>
</table>
### Assessment: Approach to the Patient

Elizabeth Peterson, PhD, OTR/L, FAOTA

<table>
<thead>
<tr>
<th>Instead Of:</th>
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<tr>
<td>* “Are you afraid of falling?”*</td>
<td>* “Concerns about falls can be protective when they keep us from doing activities that surpass our abilities, but sometimes worries about falls can keep us from doing activities we can do safely”*</td>
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### Assessment: Approach to the Patient

Elizabeth Peterson, PhD, OTR/L, FAOTA

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<tr>
<td>* “Are you afraid of falling?”*</td>
<td>* “Would you say that you are not at all afraid, somewhat afraid, fairly afraid, or very afraid of falling?” (Clemson et al., 2015)*</td>
</tr>
<tr>
<td></td>
<td>* (Follow-up) “Do you feel unsteady when you are standing or walking?”*</td>
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### Assessment of Fear of Falling: Falls Self-Efficacy

- To conduct a thorough assessment of fear of falling, consider use of the Falls Efficacy Scale-International (FES-I)
- The FES-I is a valid and reliable instrument that can be used to assess for changes in falls self-efficacy (i.e., perceived self-efficacy or confidence at avoiding falls during essential, nonhazardous activities of daily living)
- It assesses the level of concern about falling when carrying out 16 activities on a four-point scale
  - 1 = not at all concerned, 4 = very concerned

(Crane et al., 2013; Yardley et al., 2005)
Both easy and difficult physical activities and social activities are represented in the tool, and the FES-I is suitable for use in a range of languages and cultural contexts. The tool is available in its original (16-item) form and in a short (7-item) form. The FES-I can be accessed by joining the Prevention of Falls Network Earth (http://profane.co/), which offers news, articles, and support for all fall prevention professionals. Cost: £12 per annum (US$16).

Assessment of Fear of Falling: Falls Self-Efficacy

Assessment Question 1

Mr. Cubias experienced one fall in the past year. His physical therapist asked him if he was not at all afraid, somewhat afraid, fairly afraid, or very afraid of falling, and Mr. Cubias replied “fairly afraid.” Should the physical therapist be concerned about Mr. Cubias’ answer to that question?

a) No, because among older adults, some level of fear of falling is useful and protective
b) No, because Mr. Cubias has had only one, non-injurious fall in the last year and is not at high risk for future falls, regardless of his apparent concern
c) No, because he describes himself as a socially active person, indicating normal activity levels despite his concern
d) Yes, because fear of falling could lead to Mr. Cubias cutting back on activities he is capable of performing safely and lead to deconditioning
e) Yes, because concerns about falling are never protective and always lead to undue activity curtailment
Assessment Question 1: Answer

a) No, because among older adults, some level of fear of falling is useful and protective
b) No, because Mr. Cubias has had only one, non-injurious fall in the last year and is not at high risk for future falls, regardless of his apparent concern
c) No, because he describes himself as a socially active person, indicating normal activity levels despite his concern
d) Yes, because fear of falling could lead to Mr. Cubias cutting back on activities he is capable of performing safely and lead to deconditioning (Correct Answer)
e) Yes, because concerns about falling are never protective and always lead to undue activity curtailment

Physical Examination

Detailed Assessment Of:
- Gait, balance, mobility levels, and lower extremity joint function
  - Refer to [http://www.rehabmeasures.org/](http://www.rehabmeasures.org/) for information regarding assessment tool options
  - The STEADI toolkit recommends the Timed Up and Go (TUG) assessment [http://www.cdc.gov/steadi/](http://www.cdc.gov/steadi/)
- Muscle strength (lower extremities)
- Referral Cue: Physical therapists are important contributors to this area of assessment

(American Geriatrics Society and British Geriatrics Society, 2011)
### Physical Examination

**Detailed Assessment Of:**

- Neurological Function: Cognitive evaluation, lower extremity peripheral nerves, proprioception, reflexes, tests of cortical, extrapyramidal, and cerebellar function
- Cardiovascular Status: Heart rate and rhythm, postural pulse, blood pressure, postural dizziness/postural hypotension, and, if appropriate, heart rate and blood pressure responses to carotid sinus stimulation
- Assessment of visual acuity
- Examination of the feet and footwear

(American Geriatrics Society and British Geriatrics Society, 2011)

### Interview with Expert:

**Elizabeth Peterson, PhD, OTR/L, FAOTA**

### Functional Assessment

- Assessment of activities of daily living (ADL) skills, including use of adaptive equipment and mobility aids as appropriate
- Referral Cue: Occupational therapists have expertise in functional assessment
- Referral Cue: Physical therapists have expertise in assessing need for and use of mobility aids
- Assessment of the individual’s perceived functional ability and fear related to falling
  - This involves assessing current activity levels with attention to the extent to which concerns about falling are protective or contributing to deconditioning and/or compromised quality of life (i.e., individual is curtailing involvement in activities he or she is safely able to perform due to fear of falling)

(American Geriatrics Society and British Geriatrics Society, 2011)
### Comprehensive Environmental Assessment, Including Home Safety

**A Comprehensive Environmental Assessment Involves:**

- Consideration of the full range of potential hazard; home safety audits with the older adult is a first step (Clemson, 1997; Clemson et al., 1999)
- The relationship between the person and the environment is an overarching consideration when determining the existence of an environmental hazard (Clemson et al., 2008)

**Judgements regarding existence of environmental hazards are based on a number of factors, including:**

- History of falls
- Patterns of usage in the home
- Protective and risk-taking behaviors
- Functional vision
- Physical and cognitive attributes that affect mobility and task performance
- Fall risk in specific situations that involve reaching, climbing, and transferring (Nikolaus et al., 1995; Peterson & Clemson, 2008)

**Referral Cue:** Occupational therapists are important contributors to this area of assessment

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### Assessment Resource

**STEADI**

- The STEADI Toolkit was created by theCDC to "provide information and resources to help providers incorporate fall prevention into their clinical practice, and also provides tools for linking primary care with community fall prevention programs"
- STEADI is based on the AGS/BGS clinical guidelines
- [http://www.cdc.gov/steadi/](http://www.cdc.gov/steadi/)

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[**CDC, 2015**](http://www.cdc.gov/steadi/)
<table>
<thead>
<tr>
<th>Resource Description</th>
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<tr>
<td>The Fall Risk Checklist: A checklist that allows health care providers to summarize an older patient’s fall risk</td>
<td><a href="http://www.cdc.gov/steadi/pdf/fall_risk_checklist-a.pdf">http://www.cdc.gov/steadi/pdf/fall_risk_checklist-a.pdf</a></td>
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<td>Simple, evidence-based balance and gait tests, as well as case studies</td>
<td><a href="http://www.cdc.gov/steadi/materials.html">http://www.cdc.gov/steadi/materials.html</a></td>
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<td>Provider training materials, including instructional videos</td>
<td><a href="http://www.cdc.gov/steadi/pdf/case_study_v-a.pdf">http://www.cdc.gov/steadi/pdf/case_study_v-a.pdf</a></td>
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<td>Referral forms targeting both clinical specialists and community programs</td>
<td><a href="http://www.cdc.gov/steadi/videos.html">http://www.cdc.gov/steadi/videos.html</a></td>
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**Assessment Question 2**

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<td>b) Is intended for use by physicians and nurse practitioners only</td>
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<td>c) Includes tools to link primary care with community fall prevention programs</td>
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**Assessment Question 2: Answer**

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Interventions

- Over the past 25 years, an explosion of research across disciplines has deepened our understanding of effective fall prevention interventions specifically targeting community-dwelling older adults.
- For older community residents, effective fall prevention has the potential to reduce serious fall-related injuries, emergency department visits, hospitalizations, nursing home placements, and functional decline.

Fall Prevention Interventions Can be Categorized As:

- Multifactorial
- Multiple
- Single

Interventions

Multifactorial
- Clients receive different combinations of interventions based on the risk factors identified through individualized assessment.
- In other words, the "intervention package" is customized.
### Interventions

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<td>Single</td>
<td>Consists of only one major category of intervention (e.g., exercise, vitamin D supplement)</td>
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### Interventions

- Multifactorial, multiple, and single interventions can be complementary

### General Strategies
Multifactorial Interventions: General Strategies

- The health professional or team conducting the fall risk assessment should directly implement the interventions or ensure that other qualified health care professionals conduct the interventions.
- It is important to coordinate the management of care, including pharmacological interventions, behavioral interventions (e.g., promoting use of mobility devices or durable medical equipment such as shower chairs), and community resources across settings and providers.

Multifactorial Interventions: Exercise Considerations

- Exercise is consistently recognized as an important component of multifactorial interventions for fall prevention in community-residing older persons.
- Many community-based service providers (e.g., senior centers, Area Agencies on Aging) are providing exercise programming for older adults.
- **Referral Cue:** Remember that physical therapists are experts in exercise interventions.

Multifactorial Interventions: Exercise Considerations

- Falls prevention exercise may be undertaken in a group or home-based setting.
- Offer an exercise program that provides a moderate or high challenge to balance.
- Exercise must be of a sufficient frequency to have an effect (> 2 hrs/wk).
- Ongoing exercise is necessary.
- Walking training may be included in addition to balance training, but high-risk individuals should not be prescribed brisk walking programs.
- Strength training may be included in addition to balance training.
- **Referral Cue:** Exercise prescription should be created by a qualified health professional.
Multifactorial Interventions: Pharmacological Components

- A reduction in the total number of medications or dose of individual medications should be pursued; all medications should be reviewed and minimized or withdrawn
- Psychoactive medications (e.g., sedative hypnotics, anxiolytics, antidepressants), antipsychotics (e.g., new antidepressants or antipsychotics), and even pain medications should be minimized or withdrawn, with appropriate tapering if indicated
- Keep in mind that non-pharmacologic strategies to reduce fall risk are paramount

Vitamin D supplementation continues to be controversial
- For patients at low fall risk: There is no indication for measuring or supplementing vitamin D concentrations
- For patients at high risk of falls or fall-related fractures: Consider discussing the role of vitamin D measurement and supplementation with their physician

Referral Cue: Remember that pharmacists have expertise that supports this area of intervention
### Multifactorial Interventions: Home Safety Considerations

- Comprehensive home safety interventions not only remove or minimize hazards in the home but also promote the safe performance of daily activities.

- Comprehensive home safety interventions include:
  - Building older adults’ capacity to recognize existing or potential hazards in and around the home
  - Empowering older adults to take action to reduce falls in and around the home through problem solving and resource utilization
  - Increasing safety practices (e.g., using a walker prescribed by a physical therapist)
  - Educating clients and their families/advocates about resources that support mitigation

(Clemson et al., 2008)
Multifactorial Interventions: Home Safety Considerations

- To locate state or local Area Agencies on Aging, go to:
  - http://www.aoa.gov/AoA_programs/OAA/How_To_Find_Agencies/find_agencies.aspx
- **Referral Cue:** Social workers are important contributors in this area of intervention

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Multifactorial Interventions: Home Safety Considerations

- Adequate follow-up is an important contributor to success
- **Referral Cue:** Remember that occupational therapists have expertise that supports this area of intervention

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Multifactorial Interventions: Managing Postural Hypotension
Multifactorial Interventions: Managing Postural Hypotension

- For many people, postural hypotension can be effectively treated with diet and lifestyle changes
- Consult with the physician to determine the best intervention strategies; depending on the cause of the symptoms, simple changes may be recommended
- Examples:
  - Rise from lying down or sitting with care
  - Sit upright on the edge of the bed for a few minutes before standing
  - When sitting on the side of the bed, pump feet/ankles before standing
  - Proceed slowly when moving from sitting to standing
  - Use elastic support (compression) stockings

(CDC, 2015)

Multifactorial Interventions: Managing Foot Problems & Footwear

- Older people should be advised that walking shoes with low heels and high surface contact area may reduce the risk of falls

(American Geriatrics Society and British Geriatrics Society, 2011)

- Referral Cue: Remember that podiatrists are experts in identification and treatment of foot problems

Multifactorial Interventions: Managing Vision Impairment

Advis: Older Adults:
- To have an eye exam annually
- Not to wear multifocal lenses while walking, particularly on stairs

Remember That:
- Referral Cue: Ophthalmologists and opticians are experts in identification and treatment of vision impairments (including cataracts)
- Referral Cue: Occupational therapists provide problem solving strategies to individuals living with low vision to increase participation in activities of daily living (ADLs), instrumental activities of daily living (IADLS), and other valued activities; some occupational therapists specialize in low vision

(American Geriatrics Society and British Geriatrics Society, 2011)
Multifactorial Interventions: Education-Related Considerations

- Provide an education component complementing and addressing issues specific to the intervention being provided, customized to individual cognitive function and language. (American Geriatrics Society and British Geriatrics Society, 2011)
- Many fall prevention strategies involve behavior change for the older adult at risk; examples of behaviors that can reduce fall risk include communicating assertively, changing the way activities are done to make them less challenging, and exercising regularly.
- Models, approaches, and techniques that support adaptive behavior change include:
  - Stages of Change Model (Prochaska & Velicer, 1997)
  - Self-Management and Self-Management Support (Barlow et al., 2002; Bodenheimer et al., 2005)
  - Motivational Interviewing (Miller & Rollnick, 2013)

Multifactorial Interventions: Education-Related Considerations: Resources Supporting Patient Education

**STEADI Resources**
- Brochures
  - Stay Independent
  - What YOU Can Do To Prevent Falls
  - Check For Safety: A Home Fall Prevention Checklist
- Forms
- Recommended Programs
- Handouts
  - Talking About Fall Prevention With Your Patients
  - Emphasizes Prochaska's Stages of Change Model
  - Chair Rise Exercise
  - Postural Hypotension: What It Is and How To Manage It

(CDC, 2015)
Assessment Question 3

Which of the following statements should Mr. Cubias’ health care provider make to provide accurate information about fall prevention assessment and intervention strategies to Mr. Cubias?

a) “Over-the-counter medications cannot contribute to fall risk”
b) “Diet and lifestyle changes alone are never enough to prevent your blood pressure from dropping when you move from lying down to standing”
c) “We can comprehensively assess for environmental fall hazards in a home without involving the patient”
d) “To improve balance, it will be important to engage in an exercise program that provides a low to moderate challenge to balance”
e) “While it may not be possible to eliminate or reduce all risk factors, even addressing some modifiable risk factors can reduce the likelihood of experiencing a fall” (Correct Response)
Multiple Interventions: Two Examples

• Reminder: Multiple interventions consist of a fixed combination of two or more major categories of intervention (e.g., exercise, home safety) delivered to all participants
• In this section, Stepping On and Matter of Balance are highlighted as exemplary, evidence-based, multiple interventions

Multiple Interventions: Stepping On

• Program Details: Stepping On is a multifaceted, group-based, fall prevention program that offers older adults information, strategies, and exercises to break the cycle of inactivity, social isolation, deconditioning and falls, and engage people in a range of relevant fall prevention strategies; the 7-session program is delivered by a professional who works with older adults and who has been trained by a Faculty Trainer from the Wisconsin Institute for Healthy Aging
• Target Audience: Community-based older adults who are at risk of falling, have a fear of falling, or have fallen one or more times
• Key Outcomes: Increased knowledge of factors that can contribute to falls; increased engagement in fall prevention behaviors; reduced falls

For information, visit the following websites:
• https://wihealthyaging.org/stepping-on
• https://www.ncoa.org/resources/program-summary-stepping-on
Interview with Expert: Elizabeth Peterson, PhD, OTR/L, FAOTA

Multiple Interventions: Matter of Balance

- Program Details: A Matter of Balance is an 8-week structured group intervention that emphasizes practical strategies to reduce fear of falling and increase activity levels. Participants learn to view falls and fear of falling as controllable, set realistic goals to increase activity, change their environment to reduce fall risk factors, and exercise to increase strength and balance. The program is delivered by master trainers who are themselves trained by lead trainers from MaineHealth, or by coaches trained by licensed master trainers.

- Target Audience: Community-based older adults who curtail activity due to fear of falling.

- Key Outcomes: Reduced fear of falling and increased falls self-efficacy; increased activity levels.

(Healy et al., 2008; Tennstedt et al., 1998; Zijlstra et al., 2009)

For more information, visit the following websites:
- [http://www.mainehealth.org/mob](http://www.mainehealth.org/mob)
Assessment Question 4

If Mr. Cubias completes the Matter of Balance program, would it be appropriate for his health care provider to refer him to an exercise-focused (i.e., “single”) fall prevention intervention?

a) Yes, because the Matter of Balance program is a group intervention that includes exercises as one component of a comprehensive intervention that emphasizes practical strategies to reduce fear of falling and increase activity levels.

b) Yes, because the Matter of Balance program is an evidence-based program that primarily focuses on reducing fall risk by improving balance, and other types of exercises (e.g., lower extremity strengthening program) are also essential to reduce fall risk.

c) Yes, because the Matter of Balance program is designed for older adults with moderate to severe balance impairment, and, following completion of the Matter of Balance program, Mr. Cubias may benefit from an exercise program targeting older adults with mild balance impairment.

(Continued)

d) No, because there is a high level of redundancy between “multiple” and “single” fall prevention interventions.

e) No, because the potential for overlap between the skills learned through the Matter of Balance program and the skills learned through an exercise program is great.
Assessment Question 4: Answer

a) Yes, because the Matter of Balance program is a group intervention that includes exercises as one component of a comprehensive intervention that emphasizes practical strategies to reduce fear of falling and increase activity levels (Correct Answer)

b) Yes, because the Matter of Balance program is an evidence-based program that primarily focuses on reducing fall risk by improving balance, and other types of exercises (e.g., lower extremity strengthening program) are also essential to reduce fall risk

c) Yes, because the Matter of Balance program is designed for older adults with moderate to severe balance impairment, and following completion of the Matter of Balance program, Mr. Cubias may benefit from an exercise program targeting older adults with mild balance impairment

d) No, because there is a high level of redundancy between "multiple" and "single" fall prevention interventions

e) No, because the potential for overlap between the skills learned through the Matter of Balance program and the skills learned through an exercise program is great

Single Interventions
### Single Interventions: Two Examples

**• Reminder:** Single interventions consist of only one major category of intervention (e.g., exercise, Vitamin D supplement)

**• In this section, the Otago Exercise Program and Tai Ji Quan: Moving for Better Balance are highlighted as exemplary, evidence-based, single interventions**

**• Note:** not all single interventions are exercise interventions

<table>
<thead>
<tr>
<th>Single Interventions: Otago</th>
<th>Single Interventions: Tai Ji Quan: Moving For Better Balance</th>
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<tbody>
<tr>
<td><strong>Program Details:</strong> The Otago Exercise Program is a home-based, individualized, strength- and balance-focused exercise program. The program is delivered by physical therapists and consists of home visits occurring over the course of 6 months to a year, telephone calls to maintain motivation, and a booster session</td>
<td><strong>Program Details:</strong> Tai Ji Quan: Moving for Better Balance is delivered in two one-hour sessions each week for 24 weeks to groups of older adults; it uses 8 tai chi forms that emphasize weight shifting, postural alignment, and coordinated movements with synchronized breathing</td>
</tr>
<tr>
<td><strong>Target Audience:</strong> People who do not want to attend or cannot reach a group exercise program or recreation facility</td>
<td><strong>Target Audience:</strong> Older adults with low to moderate risk of falls</td>
</tr>
<tr>
<td><strong>Key Outcomes:</strong> Reduced falls and fall-related injuries</td>
<td><strong>Key Outcomes:</strong> Functional balance, strength, and flexibility; reduced fear of falling and risk of falls</td>
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| For more information, visit the following websites:  
[http://www.med.unc.edu/aging/cesc/exercise-program](http://www.med.unc.edu/aging/cesc/exercise-program)  
[https://www.ncoa.org/healthy-aging/falls-prevention/falls-prevention-programs-for-older-adults/](https://www.ncoa.org/healthy-aging/falls-prevention/falls-prevention-programs-for-older-adults/) | For more information, visit the following websites:  
[http://tjqmbb.org/](http://tjqmbb.org/)  
[https://www.ncoa.org/resources/program-summary-tai-ji-quan-moving-for-better-balance](https://www.ncoa.org/resources/program-summary-tai-ji-quan-moving-for-better-balance) |

(Robertson et al., 2002; Thomas et al., 2010)
Assessment Question 5

With respect to fall prevention programs, which of the following reflects the best referral option statement for Mr. Cubias, who routinely leaves his house to socialize?

a) Mr. Cubias should not be referred to a fall prevention program at this time because he has not yet attempted to address his fall risk factors on his own or without outside assistance

b) Mr. Cubias should not be referred to a fall prevention program at this time because he has not sustained an injurious fall in the past 6 months

c) Mr. Cubias should be referred to a fall prevention program if he initiates a conversation to explore the availability and usefulness of such programs

d) Mr. Cubias should be referred to the Otago Exercise Program because it is a home-based, individualized program and Mr. Cubias is homebound

e) Mr. Cubias should be referred to Tai Ji Quan: Moving for Better Balance, a group-based program that has the potential to address his expressed desire to be more social and reduce his risk for falls (Correct Answer)

Assessment Question 5: Answer

With respect to fall prevention programs, which of the following reflects the best referral option statement for Mr. Cubias, who routinely leaves his house to socialize?

a) Mr. Cubias should not be referred to a fall prevention program at this time because he has not yet attempted to address his fall risk factors on his own or without outside assistance

b) Mr. Cubias should not be referred to a fall prevention program at this time because he has not sustained an injurious fall in the past 6 months

c) Mr. Cubias should be referred to a fall prevention program if he initiates a conversation to explore the availability and usefulness of such programs

(Continued)

d) Mr. Cubias should be referred to the Otago Exercise Program because it is a home-based, individualized program and Mr. Cubias is homebound

e) Mr. Cubias should be referred to Tai Ji Quan: Moving for Better Balance, a group-based program that has the potential to address his expressed desire to be more social and reduce his risk for falls (Correct Answer)
Care Planning Goals

• Remember: These are the patient’s goals, not ours
• Appropriate goals are measurable in both degree and time
  • E.g., 50% reduction in falls in 4 weeks
• Sample short-term and long-term goals
  • STG: The client will independently recognize and address at least 3 potential fall risks while showering within 1 week
  • LTO: The client will shower independently with use of a shower chair within 2 weeks
• Agreement on goals among interdisciplinary team members (including the patient) is essential

Resources

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