Be STEADI for Fall Prevention

Philip J. Blatt, PT, PhD Holistic Home Safety, LLC January 22, 2022

Presentation Overview

This presentation will highlight:

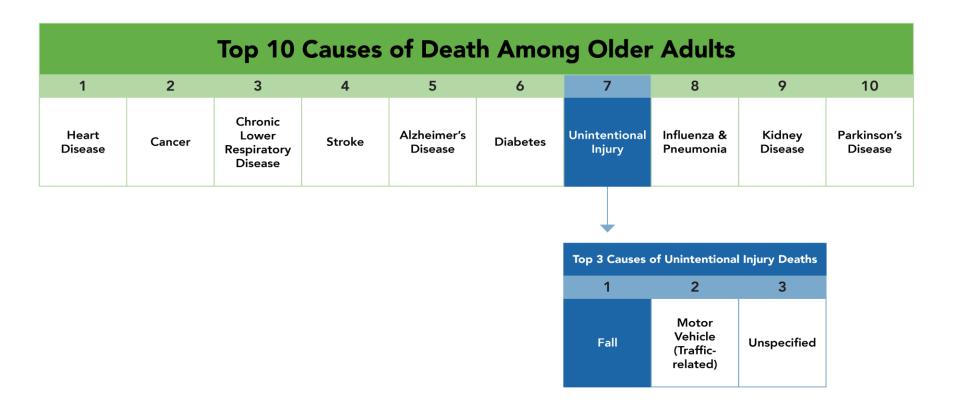
- The burden of falls
- Risk factors for falls
- How we can prevent falls
- Tips for implementing a fall prevention program
- Screening for fall risk
- Assessment of fall risk factors
- Effective strategies to reduce fall risk
- Follow-up with patients
- Available tools and resources

Your Thoughts and Experiences with Falls

How have falls among older adults (age 65+) affected you?

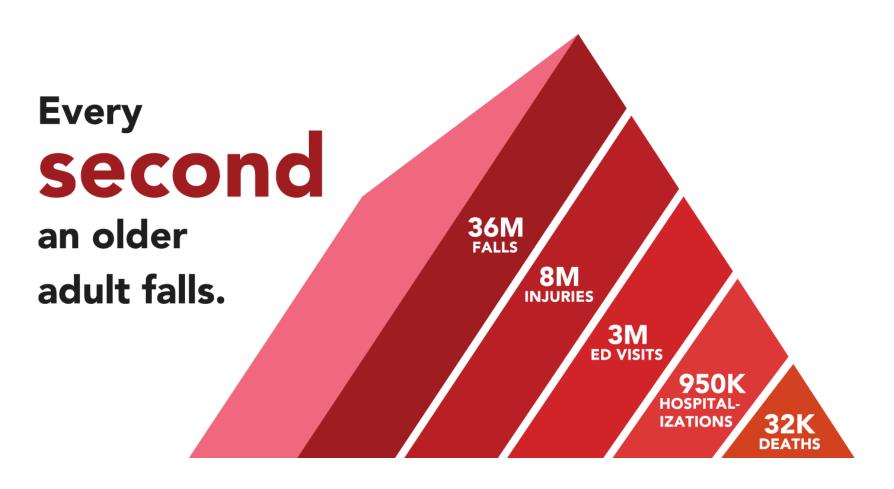
- Have you or someone you know fallen?
- What kind of life-changing events occurred because of the fall?
- How could the fall have been prevented?

Leading Causes of Death



Data source: National Vital Statistics System

Falls Are Common



Data sources: National Vital Statistics System, National Electronic Injury Surveillance System—All Injury Program, and Behavioral Risk Factor Surveillance System.

Falls Might Not Be a Priority for Patients

Less than half of older adults who fall talk to their doctor about falls

Reasons patients do not talk to their doctor:

- Belief that falls are a normal part of aging
- Fear that a fall may lead to loss of independence
- Not aware of common fall risk factors

Falls Might Not Be a Priority for Patients

Few older adults speak to someone about medications and fall risk

Example:

In the past 12 months, who has talked to you about medications that might make you fall?*



^{*}Percentage does not add up to 100 because participants could select more than one response option. Source: ConsumerStyles survey 2016

Falls Might Not Be a Priority for Providers

Providers also face many barriers to addressing falls with older patients

- Competing healthcare priorities
- Lack of time during office visits
- Limited fall prevention knowledge
- Limited communication between providers from different disciplines
- Limited reimbursement strategies

Consequences of Falls Among Older Adults



More than 95% of hip fractures are due to falls



Falls are the leading cause of traumatic brain injuries



Falls and fall injuries increase the risk of nursing home placement

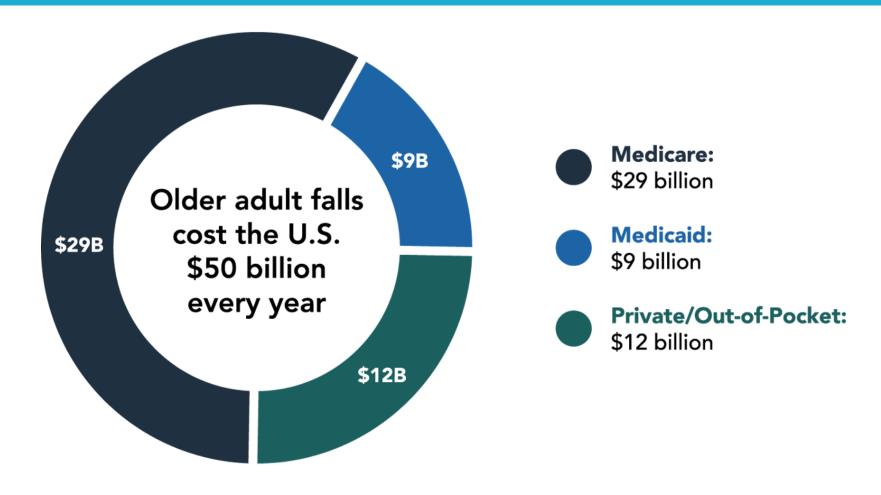


Fall death rates increased about 30% between 2009 and 2018

Falls Are Costly

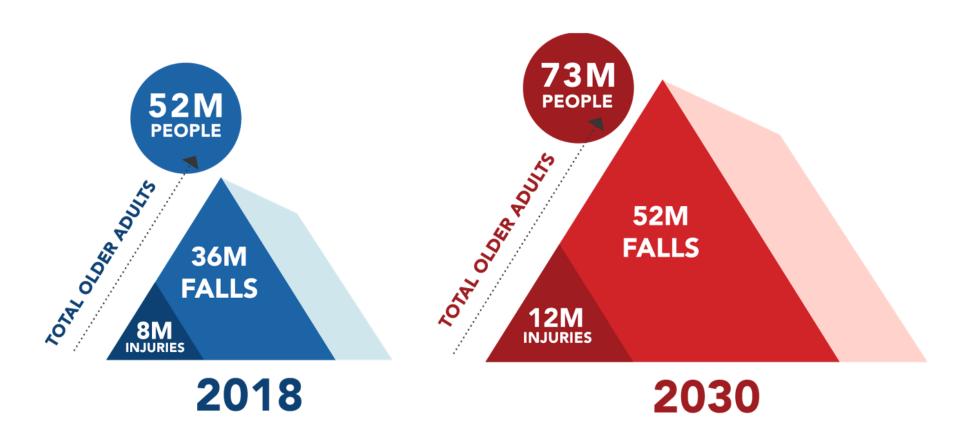
- Average hospitalization cost due to a fall injury is \$30,000
 - Fall-related injuries are a leading cause of hospital readmission
- Average cost per fall injury:
 - Emergency Department visits = \$4,829
 - Office-based and outpatient visits = \$5,813

Falls Are Costly



Florence C., et al. (2018). Medical costs of fatal and nonfatal falls in older adults. *Journal of the American Geriatrics Society, 66(4), 693-698.*

Falls Are a Growing Burden



Data sources: Behavioral Risk Factor Surveillance System and United States Census Bureau

Common Fall Risk Factors

Modifiable Risk Factors	Non-modifiable Risk Factors
 Gait, strength, and balance deficits Medications that increase fall risk Home hazards Orthostatic hypotension Vision problems Foot issues/inappropriate footwear Vitamin D deficiency Comorbidities 	 Age Sex Race/ethnicity History of falls



Fall risk increases as the number of risk factors increases.

Falls Are Preventable

The <u>Stopping Elderly Accidents, Deaths, and Injuries (STEADI)</u> initiative was developed by the U.S. Centers for Disease Control and Prevention (CDC)

- STEADI is based on the American and British Geriatrics Societies'
 Clinical Practice Guideline for Prevention of Falls in Older Persons and designed with input from healthcare providers
- STEADI offers tools and resources to help healthcare providers
 Screen, Assess, and Intervene to reduce fall risk

Screen
Patients for fall risk

Assess
Modifiable risk factors

Intervene
Using effective strategies

Overcoming Implementation Barriers

- Use existing incentives to screen and assess for fall risk
 - Welcome to Medicare Visit
 - Annual Medicare Wellness Visit
- Adapt STEADI tools to fit priorities and clinical workflow



Successful Implementations

Oregon Health & Science University, Oregon

- 64% of patients screened for fall risk
- At-risk patients with modifiable risk factors, such as gait impairment and orthostatic hypotension, received interventions

United Health Services Hospitals, New York

- 79% of patients screened for fall risk
- At-risk patients with a fall prevention care plan were 40% less likely to have a fall-related hospitalization, compared to at-risk patients without a plan

Benefits of a STEADI-based Fall Prevention Program

Use STEADI to:

- Prevent fall-related hospitalizations
- Reduce healthcare costs
- Improve the lives and independence of older patients



STEADI Algorithm

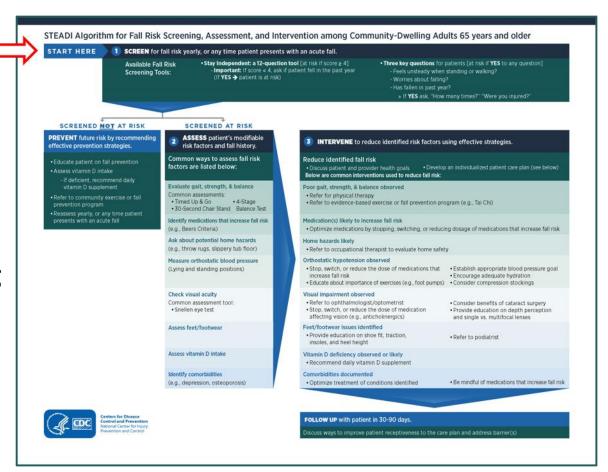


STEADI Resource

STEADI Algorithm: Algorithm for Fall Risk Screening, Assessment, and Intervention

STEADI: Screening

- If your patient is65 or older, screen
 - Once a year for fall risk or
 - If they present with an acute fall
- Two validated screening tools include
 - The Three KeyQuestions
 - CDC's Stay
 Independent
 questionnaire

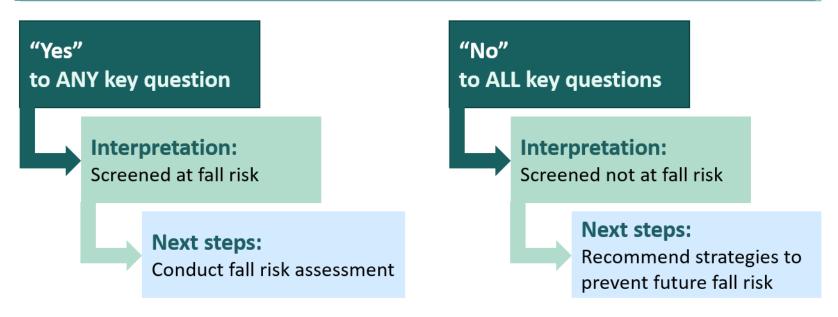


Screening Tool: The Three Key Questions

Ask your patient these questions:

- o Have you fallen in the past year?
- O Do you feel unsteady when standing or walking?
- O Do you worry about falling?

RESULTS



Screening Tool: Stay Independent Questionnaire

Check Your Risk for Falling

Circle "Yes" or "No" for each statement below		es" or "No" for each statement below	Why it matters	
Yes (2)	No (0)	I have fallen in the past year.	People who have fallen once are likely to fall again.	
Yes (2)	No (0)	I use or have been advised to use a cane or walker to get around safely.	People who have been advised to use a cane or walker may already be more likely to fall.	
Yes (1)	No (0)	Sometimes I feel unsteady when I am walking.	Unsteadiness or needing support while walking are signs of poor balance.	
Yes (1)	No (0)	I steady myself by holding onto furniture when walking at home.	This is also a sign of poor balance.	
Yes (1)	No (0)	I am worried about falling.	People who are worried about falling are more likely to fall.	
Yes (1)	No (0)	I need to push with my hands to stand up from a chair.	This is a sign of weak leg muscles, a major reason for falling.	
Yes (1)	No (0)	I have some trouble stepping up onto a curb.	This is also a sign of weak leg muscles.	
Yes (1)	No (0)	I often have to rush to the toilet.	Rushing to the bathroom, especially at night, increases your chance of falling.	
Yes (1)	No (0)	I have lost some feeling in my feet.	Numbness in your feet can cause stumbles and lead to falls.	
Yes (1)	No (0)	I take medicine that sometimes makes me feel light-headed or more tired than usual.	Side effects from medicines can sometimes increase your chance of falling.	
Yes (1)	No (0)	I take medicine to help me sleep or improve my mood.	These medicines can sometimes increase your chance of falling	
Yes (1)	No (0)	I often feel sad or depressed.	Symptoms of depression, such as not feeling well or feeling slowed down, are linked to falls.	

Discuss this brochure with your doctor.

This checklist was developed by the Greater Los Angeles VA Geriatric Research Education Clinical Center and affiliates and is a validated fall risk self-assessment tool (Rubenstein et al. J Safety Res; 2011: 42(6)493-499). Adapted with permission of the authors.



Screening Tool: Stay Independent Questionnaire

RESULTS

Score of 4 or more

Interpretation: Screened at fall risk

Next steps: Conduct fall risk assessment

Score less than 4 and patient fell in the past year

Interpretation: Screened at fall risk

Next steps: Conduct fall risk assessment

Score less than 4

Interpretation: Screened not at fall risk

Next steps: Recommend strategies to prevent future fall risk

Tips to Implement Fall Screening

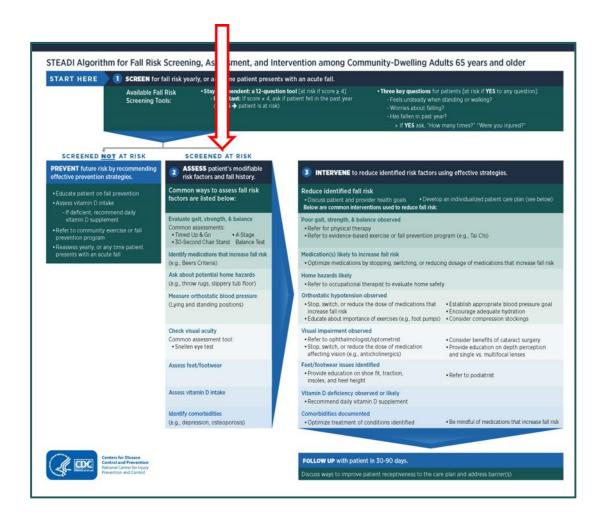
- Integrate screening tools to fit your clinic workflow
 - Example: Add to usual patient intake forms
- Find an optimal time to ask screening questions
 - Before an office visit—by phone or online portal
 - During routine office visit—in the waiting room or the exam room
 - During Welcome to Medicare Examination or Medicare Annual Wellness Visit
- Set screening goals and monitor progress
 - Example:
 - Goal: We will screen 50% of our older adult patients in 30 days
 - Monitor: Percent of older patients screened for fall risk in the past 30 days
 - Share progress with team members

STEADI: Assessment

To identify modifiable fall risk factors in at-risk patients:

Conduct a falls history. Example questions:

- How many times have you fallen?
- Did you have any symptoms prior to your fall?
- Where and when did you fall?



STEADI: Assessment

To identify modifiable fall risk factors in at-risk patients:

Conduct assessments:

- Evaluate gait, strength, and balance
- Identify medications that increase fall risk
- Ask about potential home hazards
- Measure orthostatic blood pressure
- Check visual acuity
- Assess feet and footwear
- Assess vitamin D intake
- Identify comorbidities



STEADI: Intervention



Fall Risk Factor	Assessment	Intervention
Gait, strength, and balance deficits	Conduct tests: - Timed Up and Go (TUG) - 30-second chair stand - 4-stage balance	 Physical therapy Evidence-based fall prevention program

STEADI Resource

- Handouts: TUG, 30-second chair stand, and 4-stage balance tests
- Instructional videos: TUG, 30-second chair stand, and 4 stage balance tests

Fall Risk Factor	Assessment	Intervention
Medications that increase fall risk	Conduct a comprehensive medication review	Medication management - Stop medications when possible - Switch to safer alternatives - Reduce to lowest effective dose

STEADI Resource

Fact sheets: Medications Linked to Falls, SAFE Medication Review Framework, STEADI-Rx Pharmacist Flyer

Fall Risk Factor	Assessment	Intervention
Home hazards	Ask patients and their family members about home safety	 Refer to occupational therapy Recommend tips to improve home safety

STEADI Resource

Educational material: Check for Safety

Fall Risk Factor	Assessment	Intervention
Orthostatic hypotension The patient has orthostatic hypotension if systolic blood pressure drops by at least 20 mm Hg or diastolic by at least 10 mm Hg	Measure orthostatic blood pressure 1. Have the patient lie down for 5 minutes 2. Check blood pressure 3. Have the patient stand 4. Check blood pressure within 3 minutes	 Treat underlying cause Adjust medications if warranted

STEADI Resource

Handout: *Measuring Orthostatic Blood Pressure*

Educational material: Postural Hypotension

Fall Risk Factor	Assessment	Intervention
Vision impairment	 Ask patients about vision problems Use Snellen eye chart to assess visual acuity Ask if patient uses bifocal lenses when outdoors 	 Refer to ophthalmology or optometry Recommend single distance lenses for walking outside

STEADI Resource

Guide: Coordinated Care Plan to Prevent Older Adult Falls

Educational materials: Family Caregivers: Protect your Loved Ones from Falling,

Fall Risk Factor	Assessment	Intervention
Feet or footwear issues	 Look for foot deformities, deficits in sensation, or pain Assess for inappropriate footwear 	 Counsel on shoe fit, insoles, and heel height Refer to podiatry

STEADI Resource

Guide: Coordinated Care Plan to Prevent Older Adult Falls

Educational materials: Family Caregivers: Protect your Loved Ones from Falling,

Fall Risk Factor	Assessment	Intervention
Vitamin D deficiency	Ask about patient's dietary vitamin D intake, use of vitamin D supplements, and sun exposure	Consider increasing dietary vitamin D or daily vitamin D supplements if the patient has a vitamin D deficiency

STEADI Resource

Guide: Coordinated Care Plan to Prevent Older Adult Falls

Educational materials: Family Caregivers: Protect your Loved Ones from Falling,

Fall Risk Factor	Assessment	Intervention
Comorbidities	Screen for comorbidities such as osteoporosis, depression, dementia, incontinence	Optimize treatments of identified conditions

STEADI Resource

Guide: Coordinated Care Plan to Prevent Older Adult Falls

Educational materials: Family Caregivers: Protect your Loved Ones from Falling,

Follow-Up

Follow up with patients within 30–90 days

- Review plan of care
- Encourage adherence to recommendations
- Discuss barriers to adherence

STEADI Resource

Fact sheet: Talking with Patients about Fall Prevention

Educational materials: Family Caregivers: Protect your Loved Ones from Falling

Tips to Implement Fall Assessment & Intervention

- Divide tasks among clinic staff, including follow-up
- Pilot the fall prevention program before expanding
- Seek feedback from staff on progress and barriers
- Provide refresher training at regular intervals
- Engage patient and caregivers

STEADI Resource

Wall chart: Practice Fall Prevention Wall Chart

Your Fall Prevention Program

- Which fall risk factors will we focus on?
- How will our clinic workflow adapt STEADI's screen, assess, and intervene steps?
- How will the electronic health record incorporate fall prevention?
- How will the practice bill for fall prevention?
- How will the practice monitor and evaluate the program?
- Describe how members of the practice can play a role in fall prevention.

STEADI Resource

Guides: Coordinated Care Plan to Prevent Older Adult Falls, STEADI: Evaluation Guide for Older Adult Clinical Fall Prevention Programs

Team and Roles

Every member can play an important role in fall prevention

Your team will include?

- Front office staff
- Office manager
- Medical assistants
- Care coordinator
- Nurses
- Physician, physician assistants, or nurse practitioners
- Pharmacists
- Physical therapists
- Occupational therapists

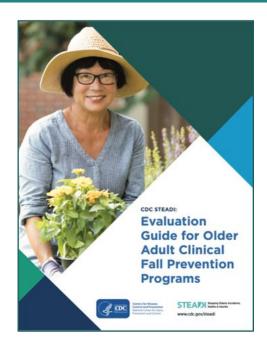
Let's Do Our Part to Prevent Falls

- Learn about older adult fall prevention and STEADI resources
 - Available at <u>www.cdc.gov/steadi</u>
- Earn continuing education with an online training on fall prevention
 - STEADI: Empowering Healthcare Providers to Reduce Fall Risk Available at www.cdc.gov/steadi/training.html
- Hear from other healthcare providers on their STEADI experience
 - Available at <u>www.cdc.gov/steadi/about/success-stories.html</u>

STEADI Guides



Coordinated Care Plan to Prevent Older Adult Falls



Evaluation Guide for Older Adult Clinical Fall Prevention Programs

STEADI Assessment Handouts









Timed Up & Go (TUG)

4-Stage Balance

30-Second Chair Stand

Measuring Orthostatic Blood Pressure

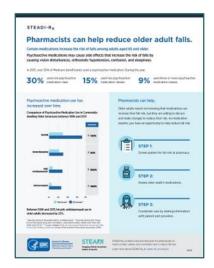
STEADI Fact Sheets



Medications Linked to Falls



SAFE Medication Review Framework



STEADI-Rx Pharmacist Flyer

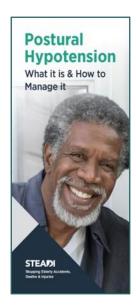


Talking about Fall
Prevention with
Your Patients

STEADI Educational Materials











Wall Chart and Algorithm



Practice Fall Prevention Wall Chart



Algorithm for Fall Risk Screening, Assessment, and Intervention (front page)

Slide 5

1. CDC. Web-based Injury Statistics Query and Reporting System (WISQARS) [online]. [cited 2021 January 19]. Available from URL: www.cdc.gov/injury/wisqars. Atlanta, GA: National Center for Injury Prevention and Control.

- 1. CDC. Web-based Injury Statistics Query and Reporting System (WISQARS) [online]. [cited 2021 January 19]. Available from URL: www.cdc.gov/injury/wisqars. Atlanta, GA: National Center for Injury Prevention and Control.
- Moreland B, Kakara R, Henry A. Trends in Nonfatal Falls and Fall-Related Injuries Among Adults Aged ≥65 years—United States, 2012-2018. MMWR Morb Mortal Wkly Rep 2020;69(27):875-881. DOI: 10.15585/mmwr.mm6927a5

Slide 7

- Stevens JA, Ballesteros MF, Mack KA, Rudd RA, DeCaro E, Adler G. Gender Differences in Seeking Care for Falls in the Aged Medicare Population. Am J Prev Med 2012;43(1):59-62. DOI: 10.1016/j.amepre.2012.03.008
- Stevens JA, Noonan RK, Rubenstein LZ. Older Adult Fall Prevention: Perceptions, Beliefs and Behaviors. Am J Lifestyle Med 2010;1:16-20. DOI: 10.1177/1559827609348350
- 5. Haddad YK, Karani MV, Bergen G, Marcum ZA. Willingness to Change Medications Linked to Increased Fall Risk: A Comparison between Age Groups. J Am Geriatr Soc 2019;67(3):527-533. DOI: 10.1111/jgs.15696

Slide 8

5. Haddad YK, Karani MV, Bergen G, Marcum ZA. Willingness to Change Medications Linked to Increased Fall Risk: A Comparison between Age Groups. J Am Geriatr Soc 2019;67(3):527-533. DOI: 10.1111/jgs.15696

- Jones TS, Ghosh TS, Horn K, Smith J, Vogt RL. Primary Care Physicians Perceptions and Practices Regarding Fall Prevention in Adults 65 Years and Over. Accid Anal Prev 2011;43:1605-1609. DOI: 10.1016/j.aap.2011.03.013
- 7. Van Rhyn B, Barwick A. Health Practitioners' Perceptions of Falls and Fall Prevention in Older People: A Metasynthesis. Qual Health Res 2019;29(1):69-79. DOI: 10.1177/1049732318805753

- 8. Parkkari J, Kannus P, Palvanen M, Natri A, Vainio J, Aho H, et al. Majority of Hip Fractures Occur as a Result of a Fall and Impact on the Greater Trochanter of the Femur: A Prospective Controlled Hip Fracture Study with 206 Consecutive Patients. Calcif Tissue Int 1999;65(3):183-7. DOI: 10.1007/s002239900679
- 9. Taylor CA, Bell JM, Breiding MJ, Xu L. Traumatic Brain Injury–Related Emergency Department Visits, Hospitalizations, and Deaths—United States, 2007 and 2013. MMWR Surveill Summ 2017;66(No. SS-9):1–16. DOI: 10.15585/mmwr.ss6609a1
- 10. Gill TM, Murphy TE, Gahbauer EA, Allore HG. Association of Injurious Falls With Disability Outcomes and Nursing Home Admissions in Community-Living Older Persons. Am J Epidemiol 2013;178(3):418–25. DOI: 10.1093/aje/kws554
- 11. CDC. Wide-ranging OnLine Data for Epidemiologic Research (WONDER) [online]. [cited 2021 January 19]. Available from URL: https://wonder.cdc.gov. Atlanta, GA: Centers for Disease Control and Prevention.

Slide 11

- 12. Burns ER, Stevens JA, Lee R. The Direct Costs of Fatal and Non-fatal Falls Among Older adults—United States. J Safety Res 2016;58:99-103. DOI: 10.1016/j.jsr.2016.05.001
- 13. Bohl AA, Fishman PA, Ciol MA, Williams B, Logerfo J, Phelan EA. A Longitudinal Analysis of Total 3-Year Healthcare Costs for Older Adults Who Experience a Fall Requiring Medical Care. J Am Geriatr Soc 2010;58(5):853-60. DOI: 10.1111/j.1532-5415.2010.02816.x
- 14. Hoffman GJ, Liu H, Alexander NB, Tinetti M, Braun TM, Min LC. Posthospital Fall Injuries and 30-Day Readmissions in Adults 65 Years and Older. JAMA Netw Open 2019;2(5):e194276. DOI: 10.1001/jamanetworkopen.2019.4276

Slide 12

15. Florence CS, Bergen G, Atherly A, Burns E, Stevens J, Drake C. Medical Costs of Fatal and Nonfatal Falls in Older Adults. J Am Geriatr Soc 2018;66(4):693-8. DOI: 10.1111/jgs.15304

- Moreland B, Kakara R, Henry A. Trends in Nonfatal Falls and Fall-Related Injuries Among Adults Aged ≥65 years—United States, 2012-2018. MMWR Morb Mortal Wkly Rep 2020;69(27):875-881. DOI: 10.15585/mmwr.mm6927a5
- 16. Ortman JM, Velkoff VA, Hogan H. An Aging Nation: The Older Population in the United States, Current Population Reports, P25-1140. Washington, DC: U.S. Census Bureau. 2014.

Slide 14

- Moreland B, Kakara R, Henry A. Trends in Nonfatal Falls and Fall-Related Injuries Among Adults Aged ≥65 years—United States, 2012-2018. MMWR Morb Mortal Wkly Rep 2020;69(27):875-881. DOI: 10.15585/mmwr.mm6927a5
- 17. Ambrose AE, Paul G, Haudorff JM. Risk Factors for Falls Among Older Adults: A Review of the Literature. Maturitas 2013;75:51-61. DOI: 10.1016/j.maturitas.2013.02.009
- 18. Tinetti ME, Speechley M, Ginter SF. Risk Factors for Falls Among Elderly Persons Living in the Community. New Engl J Med 1988;319(26):1701–7. DOI: 10.1056/NEJM198812293192604
- 19. Burns E, Kakara R. Deaths from Falls Among Persons Aged ≥65 Years—United States, 2007–2016. MMWR Morb Mortal Wkly Rep 2018;67:509-514. DOI: 10.15585/mmwr.mm6718a1

Slide 15

- 20. AGS/BGS. Summary of the Updated American Geriatrics Society/British Geriatrics Society Clinical Practice Guideline for Prevention of Falls in Older Persons. J Am Geriatr Soc 2011;59(1):148–57. DOI: 10.1111/j.1532-5415.2010.03234.x
- 21. Lee R. The CDC's STEADI Initiative: Promoting Older Adult Health and Independence Through Fall Prevention. Am Fam Physician 2017;96(4):220–1.

Slide 16

22. Eckstrom E, Parker EM, Shakya I, Lee R. Coordinated Care Plan to Prevent Older Adult Falls. Atlanta, GA: National Center for Injury Prevention and Control, Centers for Disease Control and Prevention. 2021. Available at: https://www.cdc.gov/steadi/pdf/Steadi-Coordinated-Care-Plan.pdf

Slide 17

- 23. Casey CM, Parker EM, Winkler G, Liu X, Lambert GH, Eckstrom E. Lessons Learned From Implementing CDC's STEADI Falls Prevention Algorithm in Primary Care. Gerontologist 2017;57(4):787–96. DOI: 10.1093/geront/gnw074
- 24. Eckstrom E, Parker EM, Lambert GH, Winkler G, Dowler D, Casey CM. Implementing STEADI in Academic Primary Care to Address Older Adult Fall Risk. Innov Aging 2017;1(2). DOI: 10.1093/geroni/igx028
- 25. Johnston YA, Bergen G, Bauer M, Parker EM, Wentworth L, McFadden M, et al. Implementation of the Stopping Elderly Accidents, Deaths, and Injuries Initiative in Primary Care: An Outcome Evaluation. Gerontologist 2019;59(6):1182-91. DOI: 10.1093/geront/gny101

Slide 18

- 25. Johnston YA, Bergen G, Bauer M, Parker EM, Wentworth L, McFadden M, et al. Implementation of the Stopping Elderly Accidents, Deaths, and Injuries Initiative in Primary Care: An Outcome Evaluation. Gerontologist 2019;59(6):1182-91. DOI: 10.1093/geront/gny101
- 26. Stevens JA, Lee R. The Potential to Reduce Falls and Avert Costs by Clinically Managing Fall Risk. Am J Prev Med 2018;55(3):290–7. DOI: 10.1016/j.amepre.2018.04.035

Slide 19

27. CDC. Algorithm for Fall Risk Screening, Assessment, and Intervention [online]. [cited 2021 January 19]. Available from URL: www.cdc.gov/steadi/pdf/STEADI-Algorithm-508.pdf. Atlanta, GA: Centers for Disease Control and Prevention.

Slide 20

- 20. AGS/BGS. Summary of the Updated American Geriatrics Society/British Geriatrics Society Clinical Practice Guideline for Prevention of Falls in Older Persons. J Am Geriatr Soc 2011;59(1):148-57. DOI: 10.1111/j.1532-5415.2010.03234.x
- 24. Eckstrom E, Parker EM, Lambert GH, Winkler G, Dowler D, Casey CM. Implementing STEADI in Academic Primary Care to Address Older Adult Fall Risk. Innov Aging 2017;1(2). DOI: 10.1093/geroni/igx028
- 28. Rubenstein LZ, Vivrette R, Harker JO, Stevens JA, Kramer BJ. Validating an Evidence-based, Self-rated Fall Risk Questionnaire (FRQ) for Older Adults. J Safety Res 2011;42(6):493-499. DOI: 10.1016/j.jsr.2011.08.006

Slide 21

25. Eckstrom E, Parker EM, Lambert GH, Winkler G, Dowler D, Casey CM. Implementing STEADI in Academic Primary Care to Address Older Adult Fall Risk. Innov Aging 2017;1(2). DOI: 10.1093/geroni/igx028

Slide 22-23

- 28. Rubenstein LZ, Vivrette R, Harker JO, Stevens JA, Kramer BJ. Validating an Evidence-based, Self-rated Fall Risk Questionnaire (FRQ) for Older Adults. J Safety Res 2011;42(6):493-499. DOI: 10.1016/j.jsr.2011.08.006
- 29. CDC. STEADI—Older Adult Fall Prevention [online]. [cited 2021 January 19]. Available from URL: www.cdc.gov/steadi. Atlanta, GA: National Center for Injury Prevention and Control.

Slide 24

22. Eckstrom E, Parker EM, Shakya I, Lee R. Coordinated Care Plan to Prevent Older Adult Falls. Atlanta, GA: National Center for Injury Prevention and Control, Centers for Disease Control and Prevention. 2021. Available at: https://www.cdc.gov/steadi/pdf/Steadi-Coordinated-Care-Plan.pdf

Slide 25-26

- 20. AGS/BGS. Summary of the Updated American Geriatrics Society/British Geriatrics Society Clinical Practice Guideline for Prevention of Falls in Older Persons. J Am Geriatr Soc 2011;59(1):148-57. DOI: 10.1111/j.1532-5415.2010.03234.x
- 27. CDC. Algorithm for Fall Risk Screening, Assessment, and Intervention [online]. [cited 2021 January 19]. Available from URL: www.cdc.gov/steadi/pdf/STEADI-Algorithm-508.pdf. Atlanta, GA: Centers for Disease Control and Prevention.

Slide 27

27. CDC. Algorithm for Fall Risk Screening, Assessment, and Intervention [online]. [cited 2021 January 19]. Available from URL: www.cdc.gov/steadi/pdf/STEADI-Algorithm-508.pdf. Atlanta, GA: Centers for Disease Control and Prevention.

Slides 28-36

- 20. AGS/BGS. Summary of the Updated American Geriatrics Society/British Geriatrics Society Clinical Practice Guideline for Prevention of Falls in Older Persons. J Am Geriatr Soc 2011;59(1):148-57. DOI: 10.1111/j.1532-5415.2010.03234.x
- 22. Eckstrom E, Parker EM, Shakya I, Lee R. Coordinated Care Plan to Prevent Older Adult Falls. Atlanta, GA: National Center for Injury Prevention and Control, Centers for Disease Control and Prevention. 2021. Available at: https://www.cdc.gov/steadi/pdf/Steadi-Coordinated-Care-Plan.pdf

Slide 37

22. Eckstrom E, Parker EM, Shakya I, Lee R. Coordinated Care Plan to Prevent Older Adult Falls. Atlanta, GA: National Center for Injury Prevention and Control, Centers for Disease Control and Prevention. 2021.

Available at: https://www.cdc.gov/steadi/pdf/Steadi-Coordinated-Care-Plan.pdf

- 22. Eckstrom E, Parker EM, Shakya I, Lee R. Coordinated Care Plan to Prevent Older Adult Falls. Atlanta, GA: National Center for Injury Prevention and Control, Centers for Disease Control and Prevention. 2021. Available at: https://www.cdc.gov/steadi/pdf/Steadi-Coordinated-Care-Plan.pdf
- 30. Bergen G, Shakya, I. Evaluation Guide for Older Adult Clinical Fall Prevention Programs. Atlanta, GA: National Center for Injury Prevention and Control, Centers for Disease Control and Prevention. 2019. Available at: https://www.cdc.gov/steadi/pdf/Steadi-Evaluation-Guide Final 4 30 19.pdf