



NC Department of Health and Human Services

#### Older Adult Falls and Related Traumatic Brain Injury: Overview, Prevention Strategies, and Statewide Resources

March 17, 2022

#### Who's in the Room?

#### Please let us know in the chat what sector you work in:

- Local public health
- Physical therapy
- Occupational therapy
- Medical provider



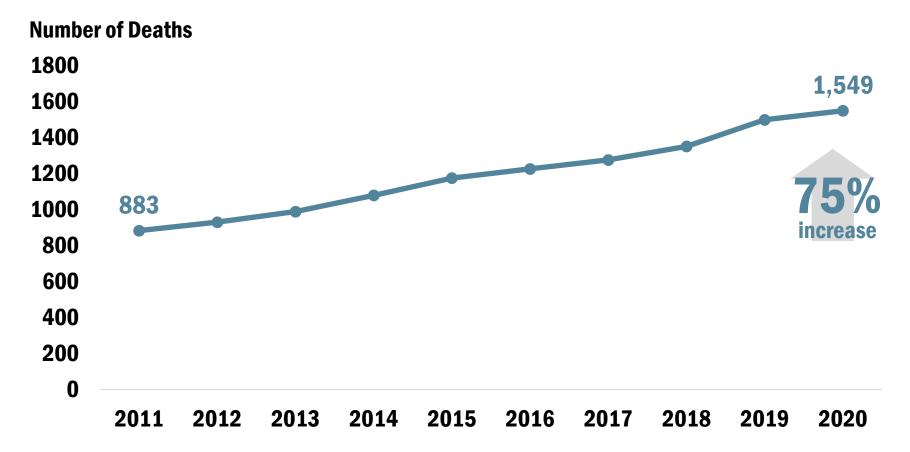
- Gerontology
- Academics/research
- Other (please specify)



## Injury Data Update: Older Adult Falls and Related TBI

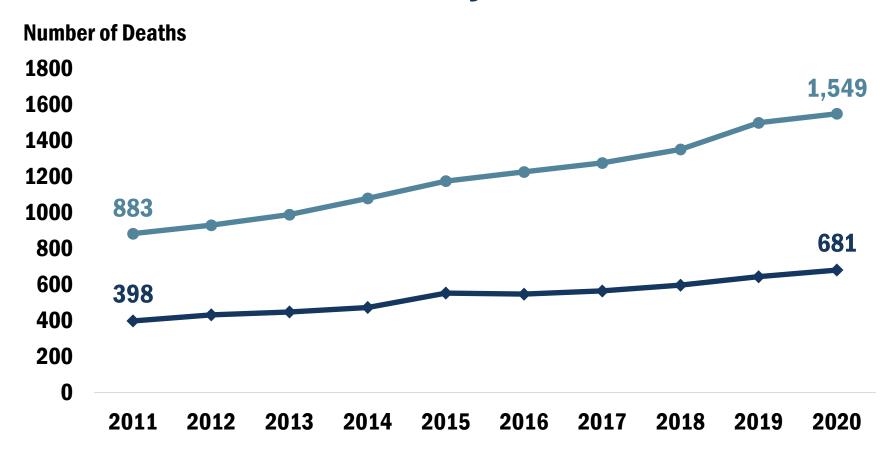
Shana Geary

## Unintentional fall-related deaths have continued to increase over the last 10 years



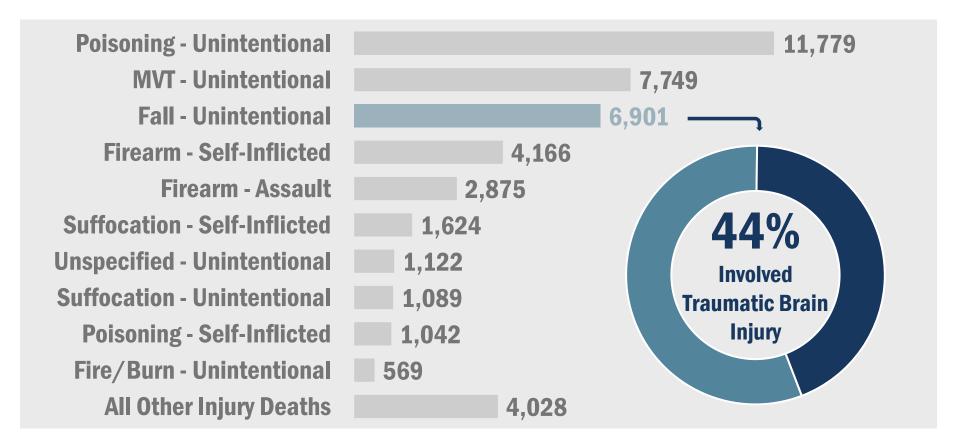
Data limited to NC Residents
Source: NC State Center for Health Statistics, Death Certificate Data, 2011-2020
Analysis by the NC-DPH Injury and Violence Prevention Branch, Injury Epidemiology and Surveillance Unit

## Unintentional fall-related deaths with TBI have also increased by 71% since 2011.



Data limited to NC Residents
Source: NC State Center for Health Statistics, Death Certificate Data, 2011-2020
Analysis by the NC-DPH Injury and Violence Prevention Branch, Injury Epidemiology and Surveillance Unit

## Unintentional falls were the third leading cause of injury death from 2016-2020.



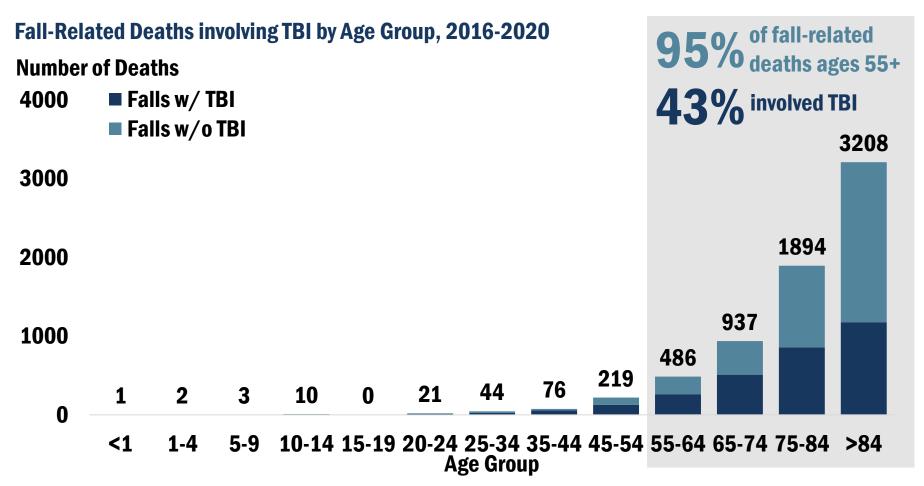
<sup>\*</sup> by mechanism and intent

Data limited to NC Residents

Source: NC State Center for Health Statistics, Death Certificate Data, 2016-2020

Analysis by the NC-DPH Injury and Violence Prevention Branch, Injury Epidemiology and Surveillance Unit

## Unintentional falls were the <u>number one</u> cause of injury death for adults 55 and older.

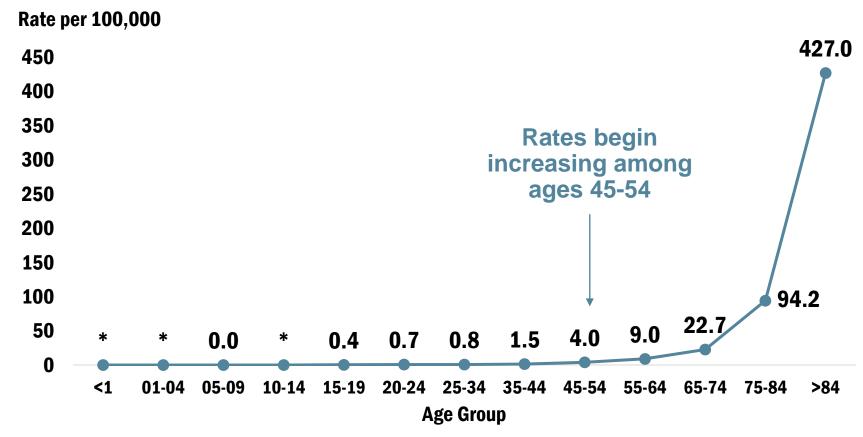


Data limited to NC Residents (N=6,901)

Source: NC State Center for Health Statistics, Death Certificate Data, 2016-2020

Analysis by the NC-DPH Injury and Violence Prevention Branch, Injury Epidemiology and Surveillance Unit

## Unintentional fall death rates are highest among those ages 75 and older

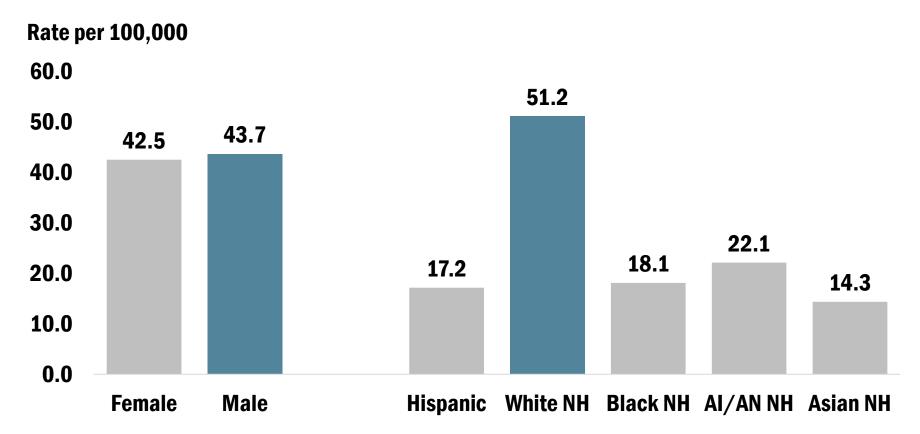


<sup>\*</sup>Rate suppressed due to count being less than 5

Data limited to NC Residents (N=6,901)
Source: NC State Center for Health Statistics, Death Certificate Data, 2016-2020
Analysis by the NC-DPH Injury and Violence Prevention Branch, Injury Epidemiology and Surveillance Unit

#### Fall-related death rates (ages 55+) were highest for NH white residents and males, but similar by sex.

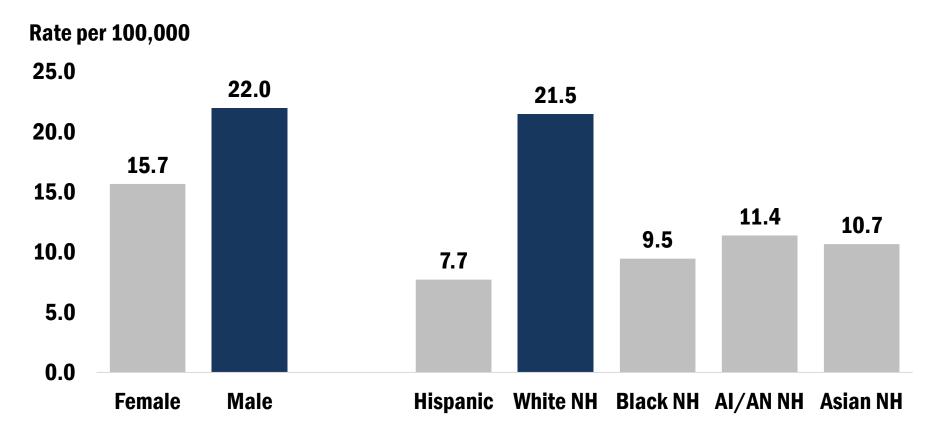
Fall-Related Deaths Among Adults 55 and Older by Sex and Race/Ethnicity, 2016-2020



Data limited to NC Residents (N=6,525); NH – non-Hispanic; Al/AN – American Indian/Alaskan Native Source: NC State Center for Health Statistics, Death Certificate Data, 2016-2020 Analysis by the NC-DPH Injury and Violence Prevention Branch, Injury Epidemiology and Surveillance Unit

#### For Fall deaths involving TBI, rates were highest for males and non-Hispanic white residents.

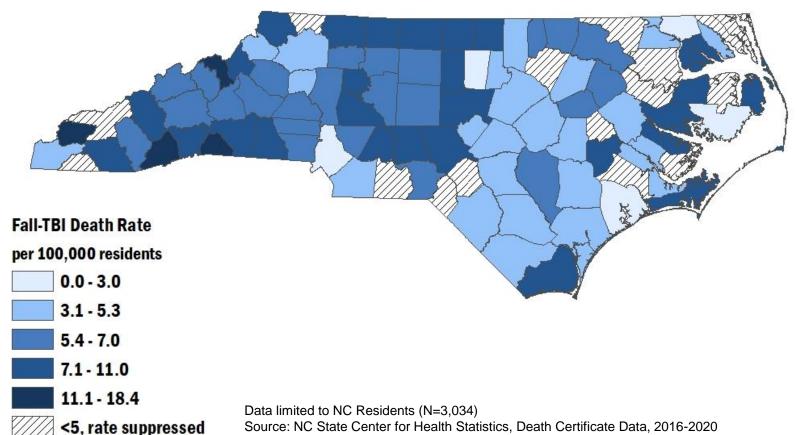
Fall-Related Deaths Among Adults 55 and Older by Sex and Race/Ethnicity, 2016-2020



Data limited to NC Residents (N=3,034); NH – non-Hispanic; Al/AN – American Indian/Alaskan Native Source: NC State Center for Health Statistics, Death Certificate Data, 2016-2020 Analysis by the NC-DPH Injury and Violence Prevention Branch, Injury Epidemiology and Surveillance Unit

## Rates of Unintentional Fall Deaths with TBI by County, Ages 55 and Older, 2016-2020

North Carolina Fall-TBI Death Rate: 5.4 per 100,000



Source: NC State Center for Health Statistics, Death Certificate Data, 2016-2020
Analysis by the NC-DPH Injury and Violence Prevention Branch, Injury Epidemiology and Surveillance Unit

#### The cost of <u>fall-related deaths</u> in North Carolina in 2020 alone is estimated at...

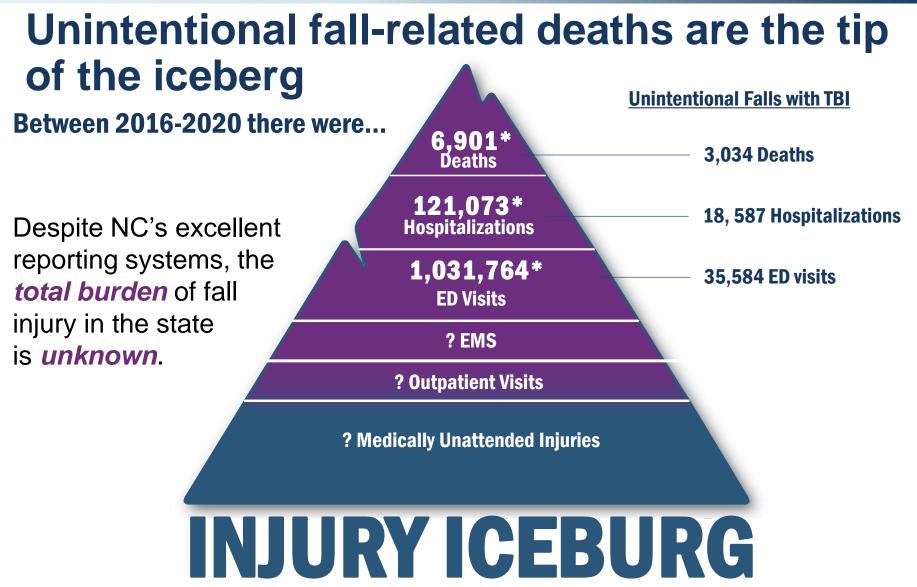


	Number of Deaths	Medical	Value of Statistical Life	Combined Costs
Unintentional Falls	1,549	62.8M	5.9B	6.0B

Data limited to NC Residents

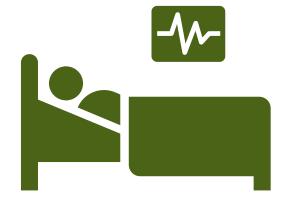
Source: NC State Center for Health Statistics, Vital Statistics Death Certificate Data, 2020; CDC WISQARS Cost of Injury Estimates (costs include spending on health care, lost work productivity, and estimates of cost for lost quality of life and lives lost).





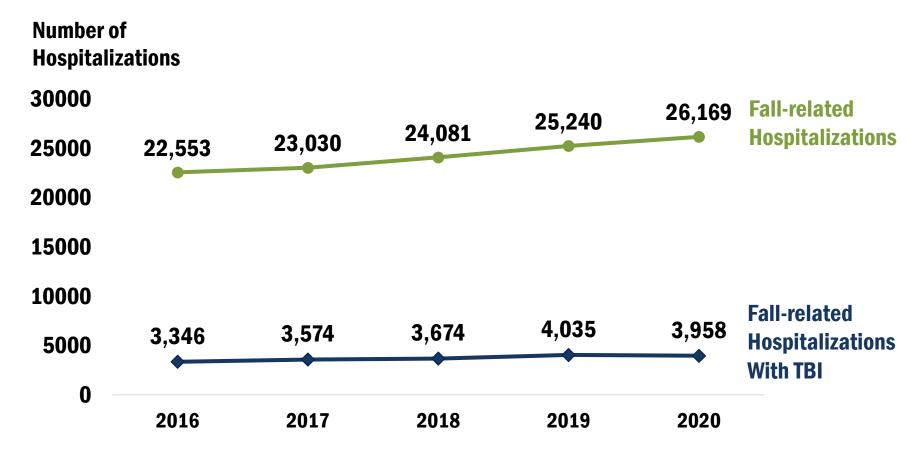
Data limited to NC Residents

Source: NC State Center for Health Statistics, Death Certificate and Hospital Discharge Data; NC DETECT, Emergency Department Visit Data (2016-2020) Analysis by the NC-DPH Injury and Violence Prevention Branch, Injury Epidemiology and Surveillance Unit



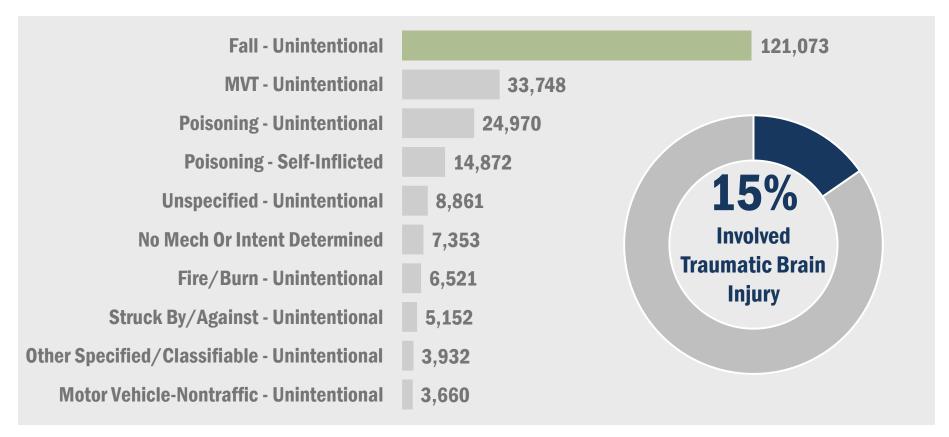
## Unintentional Fall Hospitalizations

## Unintentional fall-related hospitalizations have also increased over the last 5 years.



Data limited to NC Residents (N=121,073)
Source: NC State Center for Health Statistics, Hospital Discharge Data, 2016-2020
Analysis by the NC-DPH Injury and Violence Prevention Branch, Injury Epidemiology and Surveillance Unit

## Unintentional falls were the leading cause of injury hospitalization from 2016-2020.

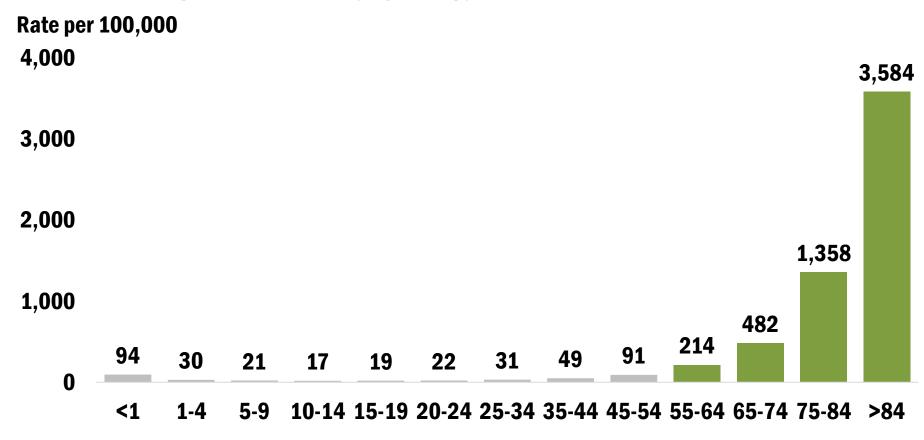


<sup>\*</sup> by mechanism and intent

Data limited to NC Residents (N=121,073)
Source: NC State Center for Health Statistics, Hospital Discharge Data, 2016-2020
Analysis by the NC-DPH Injury and Violence Prevention Branch, Injury Epidemiology and Surveillance Unit

## 87% of unintentional fall hospitalizations were among adults 55 and older.

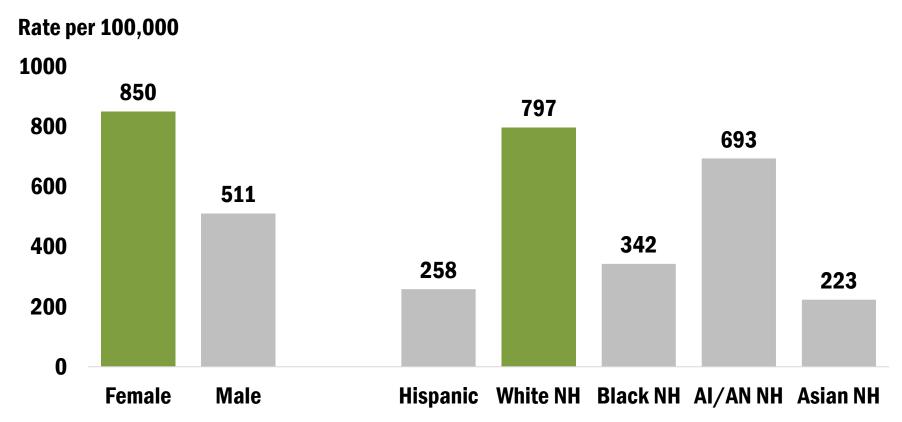
Fall-Related Hospitalization Rates by Age Group, 2016-2020



Data limited to NC Residents (n=121,073)
Source: NC State Center for Health Statistics, Hospital Discharge Data, 2016-2020
Analysis by the NC-DPH Injury and Violence Prevention Branch, Injury Epidemiology and Surveillance Unit

#### Fall-related hospitalization rates (ages 55+) were highest among females and NH white residents.

Fall-Related Hospitalizations Among Adults 55 and Older by Sex and Race/Ethnicity, 2016-2020



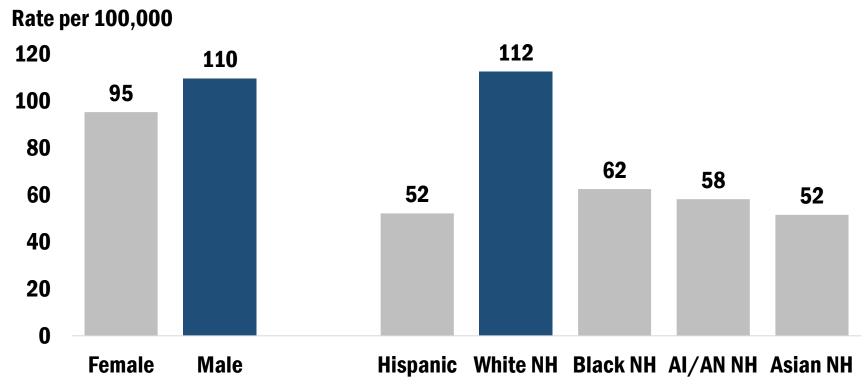
Data limited to NC Residents ages 55 and older (n=105,474) NH – non-Hispanic; Al/AN-American Indian/Alaskan Native

Source: NC State Center for Health Statistics, Hospital Discharge Data, 2016-2020

Analysis by the NC-DPH Injury and Violence Prevention Branch, Injury Epidemiology and Surveillance Unit

#### Rates of fall-related hospitalization with TBI were highest among males and NH white residents.

Fall-Related Hospitalizations with TBI Among Adults 55 and Older by Sex and Race/Ethnicity, 2016-2020



Data limited to NC Residents ages 55 and older (n=15,414)

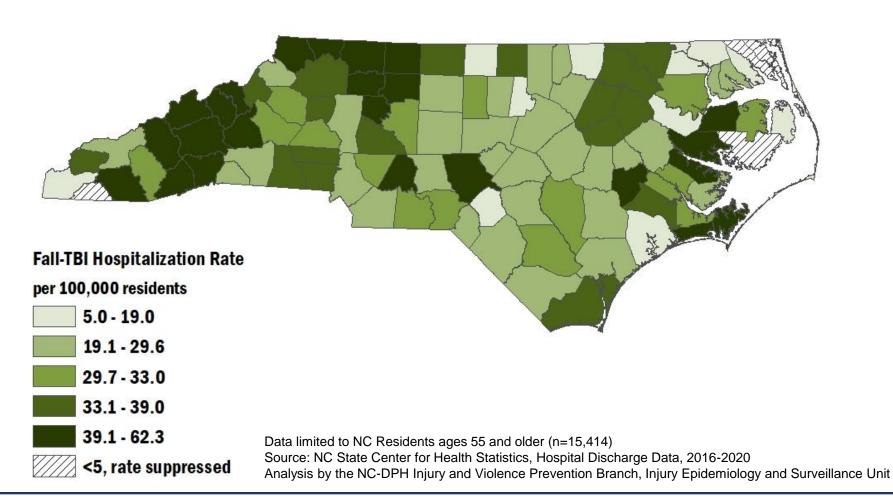
NH – non-Hispanic; Al/AN-American Indian/Alaskan Native

Source: NC State Center for Health Statistics, Hospital Discharge Data, 2016-2020

Analysis by the NC-DPH Injury and Violence Prevention Branch, Injury Epidemiology and Surveillance Unit

#### Rates of Unintentional Fall Hospitalizations with TBI by County, Ages 55 and Older, 2016-2020

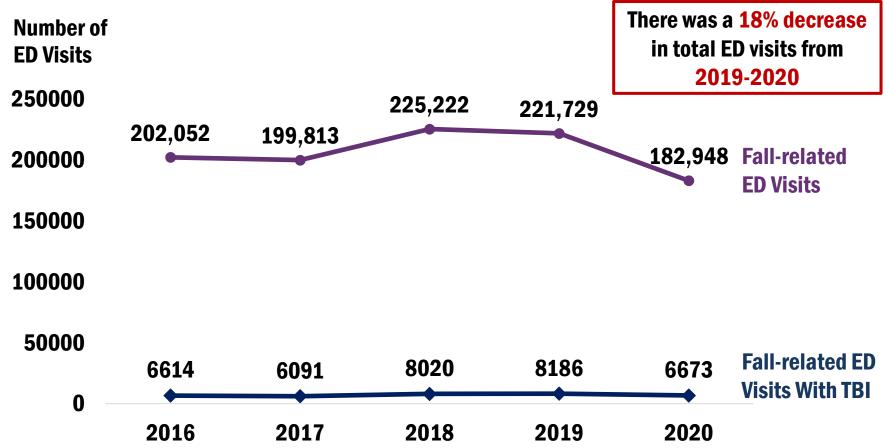
North Carolina Fall-TBI Hospitalization Rate: 29.7 per 100,000





## Unintentional Fall Emergency Department Visits

Unintentional fall-related ED visits have stayed relatively stable.

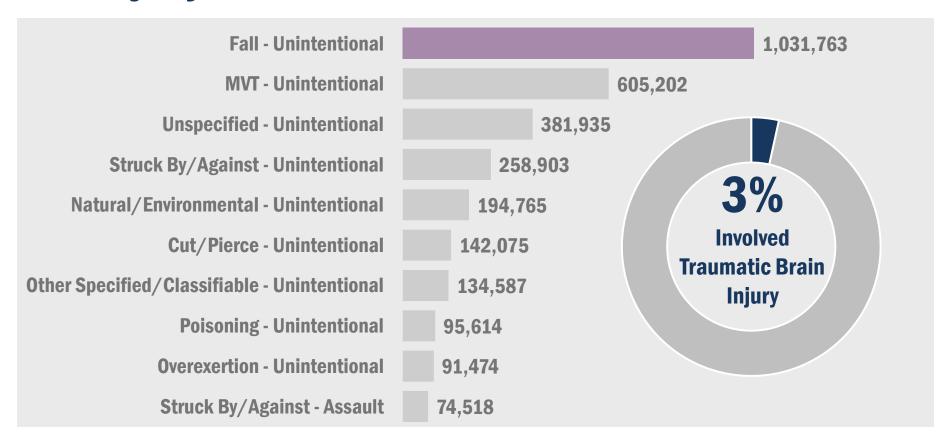


Data limited to NC Residents

Source: NC DETECT, Emergency Department Data, 2016-2020

Analysis by the NC-DPH Injury and Violence Prevention Branch, Injury Epidemiology and Surveillance Unit

#### Unintentional falls were the leading cause of injury ED visits from 2016-2020.

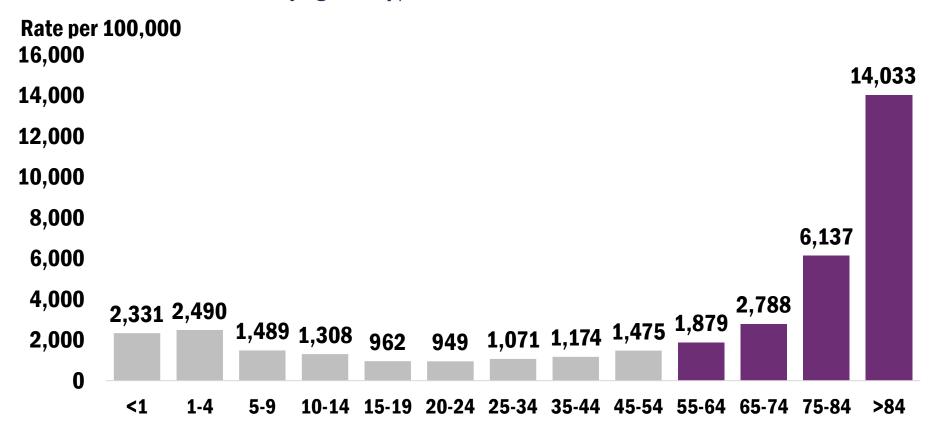


<sup>\*</sup> by mechanism and intent

Data limited to NC Residents
Source: NC DETECT, Emergency Department Data, 2016-2020
Analysis by the NC-DPH Injury and Violence Prevention Branch, Injury Epidemiology and Surveillance Unit

## 53% of unintentional fall ED visits were among adults 55 and older.

Fall-Related ED Visit Rates by Age Group, 2016-2020



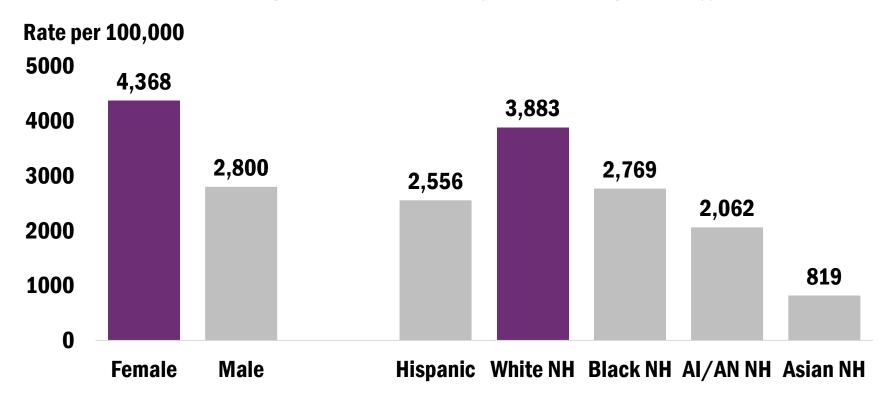
Data limited to NC Residents (n=1,031,763)

Source: NC DETECT, Emergency Department Data, 2016-2020

Analysis by the NC-DPH Injury and Violence Prevention Branch, Injury Epidemiology and Surveillance Unit

#### Fall-related ED visit rates (ages 55+) were highest among females and NH white residents.

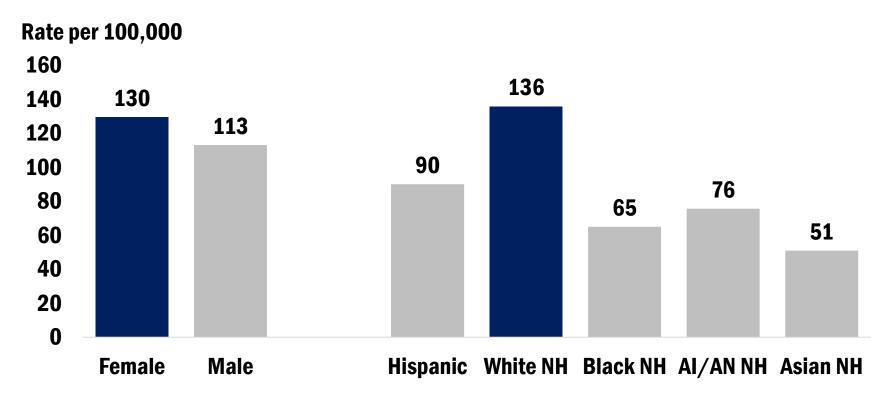
Fall-Related ED Visits Among Adults 55 and Older by Sex and Race/Ethnicity, 2017-2020



Data limited to NC Residents ages 55 and older (n=450,025)
NH – non-Hispanic; Al/AN-American Indian/Alaskan Native
Source: NC DETECT, Emergency Department Data, 2017-2020; data in NC DETECT are unavailable prior to 2017
Analysis by the NC-DPH Injury and Violence Prevention Branch, Injury Epidemiology and Surveillance Unit

#### Rates of fall-related ED visits with TBI (ages 55+) were also higher for females and NH white residents.

Fall-Related ED visits with TBI Among Adults 55 and Older by Sex and Race/Ethnicity, 2017-2020



Data limited to NC Residents ages 55 and older (n= 15,055)

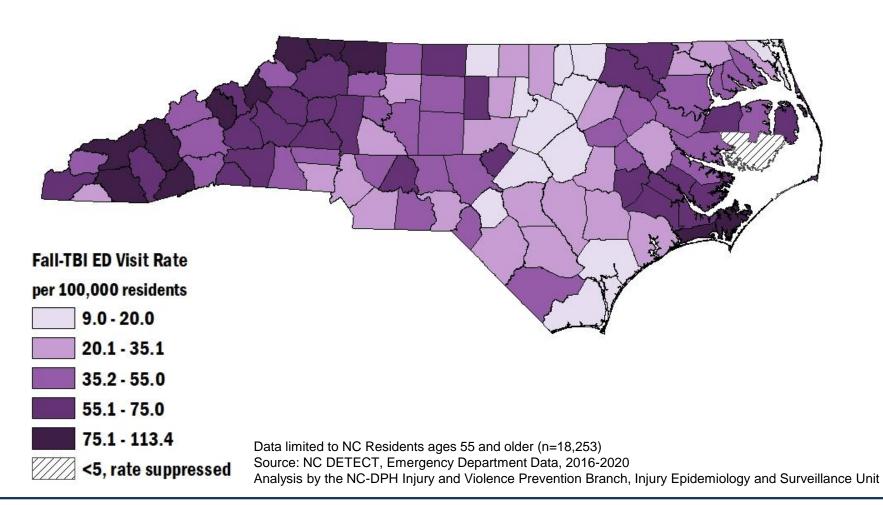
NH – non-Hispanic; Al/AN-American Indian/Alaskan Native

Source: NC DETECT, Emergency Department Data, 2016-2020; data in NC DETECT are unavailable prior to 2017

Analysis by the NC-DPH Injury and Violence Prevention Branch, Injury Epidemiology and Surveillance Unit

#### Rates of Unintentional Fall ED Visits with TBI by County, Ages 55 and Older, 2016-2020

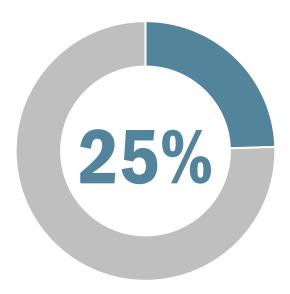
North Carolina Fall-TBI ED Visit Rate: 35.2 per 100,000



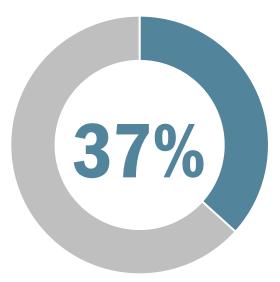
#### Experiencing a fall can increase the chance of falling again.

Adults 45 and older reporting 1 or more falls in the last 12 months



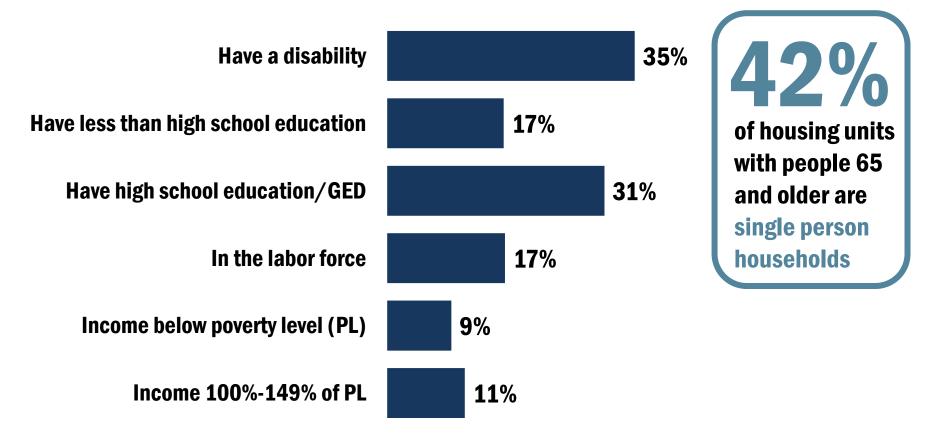


13% report 2 or more falls



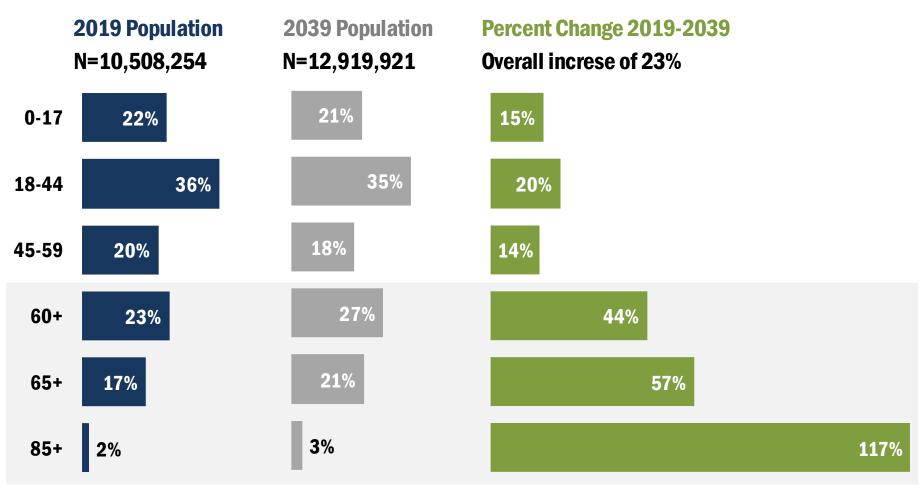
Source: NC State Center of Health Statistics, 2020 Behavioral Risk Factor Surveillance System (BRFSS) Survey Results

#### Demographic characteristics among adults ages 65 and older in North Carolina



Source: American Community Survey, 20149 5-year estimates. Table S0103: Population 65 and older

#### The populations most at risk of falls are projected to have the fastest growth over the next 20 years.



Source: NC Office of State Budget Management, Standard Population Estimates, Vintage 2019 & Population Projection

## The North Carolina Falls Prevention Coalition and Action Plan

Ingrid Bou-Saada
Janice White

#### **NC Falls Prevention Coalition**



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MEETINGS ¥

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The NC Falls Prevention Coalition works to reduce the number of injuries and deaths from falls in NC.

#### ncfallsprevention.org

#### **NC Falls Prevention Coalition**









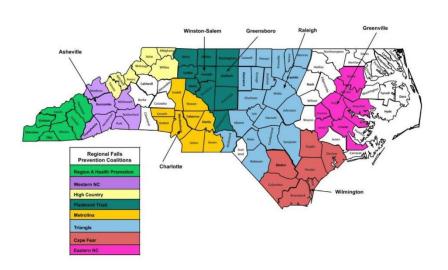


#### Together as a coalition, we:

- Build and strengthen regional/local falls prevention coalitions.
- Increase access to and the promotion of evidence-based falls prevention programs.
- Increase access, timeliness and understanding of falls prevention data.
- Ensure that each community or county has an array of resources essential for falls prevention.
- Educate and communicate with key constituencies about falls prevention.
- Cultivate relationships with new partners in NC.
- Use policy as a prevention tool.
- Share information about current activities, research, and projects happening across the state.

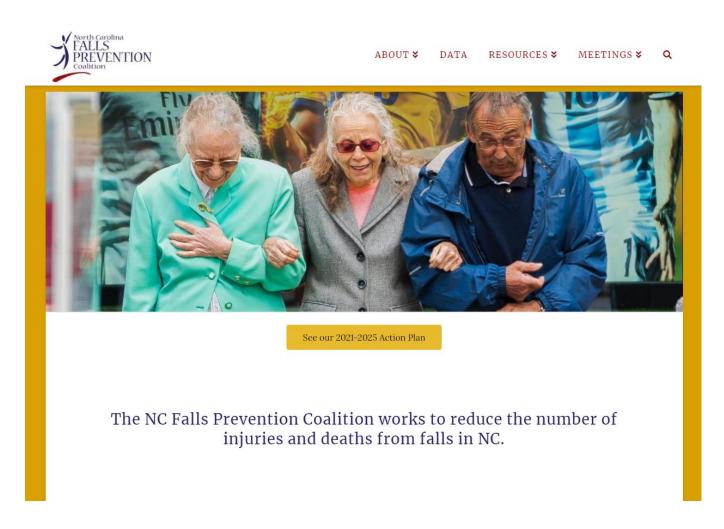
# NC Falls Prevention Coalition NEXT Quarterly Meeting May 18, 2022, 1:00 – 3:00 pm Agenda and Info





https://ncfallsprevention.org/upcoming-meetings/

#### **NC Falls Prevention Coalition Website**



https://ncfallsprevention.org/

## **NC FPC Website**

### Resources

- NC & National Resources
- Statewide Contacts
- NC Local & Regional Coalitions
- Coalition Meetings

- Falls Data
- NC Summits
- Falls Prevention
   Awareness Week
- Strategic Action Plans

and more...

# **NC FPC Website**





CDC's WISQARS™ is an interactive, online database that provides fatal and nonfatal injury, and cost of injury data. Researchers, the media, public health professionals, and the public can use WISQARS™ data to learn more about the public health and economic burden associated with unintentional injury in the United States.

**CDC Older Adult Falls Data:** New interactive maps released in September 2019, including deaths from falls and falls by state.





NC DETECT (NC Disease Event Tracking and Epidemiologic Collection Tool) Unintentional Falls Dashboard

Great tool for county level data!

https://ncfallsprevention.org/falls-data/

# **NC FPC Website**



ABOUT ❖ DATA RESOURCES ❖ MEETINGS ❖ C

#### **Quarterly Minutes & Presentations**

Please click on links below to download .pdf versions of minutes and presentations.

#### 2022

- · February 23, 2022
  - Minutes
  - o Presentation: Building Our Largest Dementia (BOLD) Infrastructure
  - Presentation: NC Alzheimer's Association Programs and Partnerships
    - o Resource: Community Education Programs
  - Presentation: Coalition Updates

#### 2021

- November 17, 2021
  - Minutes
  - Presentation: Regional Falls Prevention Coalitions Best Practices; Falls Prevention Awareness Week Summary
- August 18, 2021
  - Minutes
  - o Presentation: Breathe Easy: Tobacco Use and Falls
  - o Falls Prevention Awareness Week Overview
  - Research Study: How Aging Affects the Control of Balance

https://ncfallsprevention.org/quarterly-minutes-presentations/

# The NCFPC 2021-2025 Action Plan







https://ncfallsprevention.org/2021-2025-action-plan/

# **Action Plan Strategic Goals**



### **Action Plan Goal 1**

# Enhance opportunities for collaboration & networking among FP stakeholders

- Share innovation and best practices
- Strengthen connections between coalitions
- Develop local adaptable resources
- Connect all 100 counties
- Collaborate across the continuum of care
- Identify & engage partners using the Shared Risk & Protective Factors framework

### **Action Plan Goal 2**

# Prevent falls through clinical and community integration

- Use Shared Risk & Protective Factors Framework
- Ensure quality resources
- Increase provider access to resources
- Promote core competency training
- Promote effective referral pathways

### **Action Plan Goal 3**

### Increase public awareness and statewide advocacy

- Gather and analyze data
- Leverage regional coalitions
- Increase public access to resources
- Promote Falls Prevention Awareness Week
- Develop a social marketing campaign
- Create an advocacy resource hub

# **Action Plan Work Groups**

- Marketing and Communication
- Member Engagement
- Research and Practice
- Shared Risk and Protective Factors Framework



### **Shared Risk and Protective Factors**

- Different types of health outcomes are connected
- They often share the same root causes, risk factors, and protective factors
- Older adult falls share many of the same risk and protective factors with other conditions, diseases, and illnesses
- Cardiovascular disease
- Diabetes
- Dementia
- Osteoarthritis
- Traumatic brain injury

- Osteoporosis
- Deaf/hard-of-hearing
- Blind/visual impairment
- Mental Health (depression, suicide, substance use)

# Why Do We Focus on SRPFs?

- Break down the "silos" dividing programs and the prevention of health conditions
- Prevent multiple negative health outcomes simultaneously
- Develop new partnerships
- Leverage resources/funding streams
- Increase efficiency of efforts
- Consider a larger pool of strategies and program options
- Increase reach and scale up impact of programs and strategies

# Connecting to Evidence-Based Falls Prevention Programs in NC

Ellen Bailey, MA, MPH Falls Prevention Project Manager







### Please Let us Know in the Chat

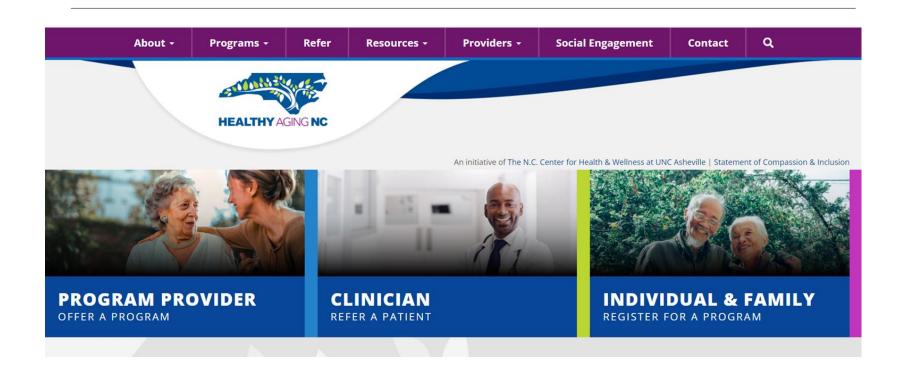
Which song from this falls prevention playlist best reflects the current state of your falls prevention work TODAY (or your state of mind?!)

- Walking On Sunshine (Katrina and the Waves)
- Stand (REM)
- Don't Stand So Close To Me (The Police)
- Free Falling (Tom Petty)
- Help! (Beatles)





# Website: www.healthyagingnc.com









# **Evidence-Based Programs**

- Evidence-based programs (EBPs) offer proven ways to promote health and prevent disease among older adults.
- They are based on research and provide documented health benefits.
- Many EBPs allow for more efficient use of available community and health care resources as they use trained lay leaders and/or coaches





# Immediate benefits of evidence-based programs



- The programs addresses specific issues for people with ongoing health problems.
- Participants choose their own goals and track their own progress toward success.
- Support and social interaction with peers who are living with ongoing health conditions.
- Trained peer leaders offer guidance and support, but participants find practical solutions individually and together.





# **Evidence-Based Programs**Supported by Healthy Aging NC

Evidence-Based Programs Implemented in Clinical/Community Settings:

- A Matter of Balance (AMOB)
- Tai Chi for Arthritis and Fall Prevention (TCA/FP)
- Chronic Disease Self Education Programs
  - Living Healthy with Chronic Disease Self-Management Program
  - Living Healthy with Diabetes Self-Management Program
  - Living Healthy with Chronic Pain Self-Management Program
- Walk With Ease





### **EBPs Common in NC**

# **Living Healthy NC - Self-Management Programs**

- Chronic Disease
- Chronic Pain
- Diabetes

### **Physical Activity**

- Walk With Ease
- GeriFit

#### **Fall Prevention**

- Otago
- A Matter of Balance
- Tai Chi for Arthritis and Fall Prevention
- Moving for Better Balance

# Both Fall Prevention & Physical Activity

- Enhance Fitness
- Bingocize







Ideal for participants who: need to address a fear of falling, identify solutions, build skills, and engage in gentle exercises.

- Led by: 2 trained coaches or 1 Master
   Trainer
- Group size: 8-12 participants
- Program length: 8\* 2 hour sessions,
   2x/4 weeks or 1x/8 weeks
- \*9 sessions with the Virtual Delivery + 1 tech support







# A Matter of Balance (AMOB) Outcomes



Image shared with permission - healthyagingnc.com

# After completing AMOB classes\*:

97% feel more comfortable talking with others about their fear of falling97% feel more comfortable increasing activity99% plan to continue exercising98% would recommend AMOB

https://www.mainehealth.org/Healthy-Communities/Healthy-Aging/Matter-of-Balance/Frequently-Asked-Questions





<sup>\*</sup> Participant class evaluation percentage who agree to strongly agree.

# Tai Chi for Arthritis and Fall Prevention (TCA/FP)

Ideal for participants who: need to improve mobility, balance, strength, flexibility, relaxation, and/or self awareness.



Group size: 6-18\* participants

Program length: 20 - 1 hour sessions,
 2x/10 weeks or 1x/20 weeks

\*12 max virtual delivery + 1 tech support









# Tai Chi for Arthritis and Fall Prevention (TCA/FP) - Outcomes

# Tai Chi for Arthritis and Fall Prevention has been shown to:

- Improve balance
- Increase muscular strength
- Improve mobility
- Increase flexibility
- Improve psychological health
- Decrease pain
- Prevent falls



Voukelatos A, Cumming RG, Lord SR, Rissel C. A randomized, controlled trial of tai chi for the prevention of falls: the Central Sydney tai chi trial. J Am Geriatr Soc. 2007 Aug;55(8):1185-91.





# Help inspire healthy aging!

#### Become a leader within your community!

#### ▶ HOW TO BECOME A LEADER

Each of the evidence-based community health programs we support have their own requirements for becoming a trained leader and offering the program with fidelity as outlined below. Healthy Aging NC supports leaders throughout their training, offers resources for implementation, and collects data to help guide quality improvement.

#### **GENERAL LEADER REQUIREMENTS**

An interest in serving participants in your community, including underserved adults older adults, and adults with disabilities; Ability to work with a group of people, to include displaying good communication and listening skills and a non-judgmental approach; Ability to be a positive role model to others; Respect for participant confidentiality; Experience maintaining required paperwork, collaborating successfully, and overseeing group logistics.

CHRONIC DISEASE SELF-MANAGEMENT

A MATTER OF BALANCE

TAI CHI FOR ARTHRITIS & FALL PREVENTION

WALK WITH EASE

Flip this page for more details on North Carolina's Statewide Resource Center for Evidence-Based Self-Management Programs.

#### WANT TO REFER A PATIENT? Go to healthyagingnc.com







# Leader Training Overview

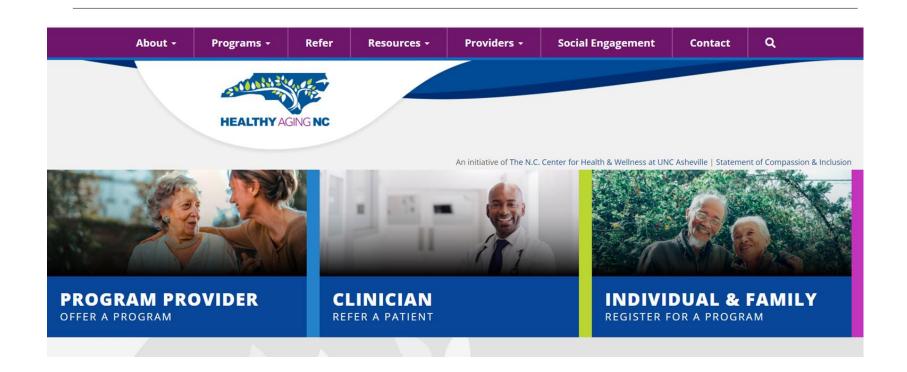
Review and/or print this document for your reference in the future

Click here to review information about becoming a leader on our website





# Website: www.healthyagingnc.com



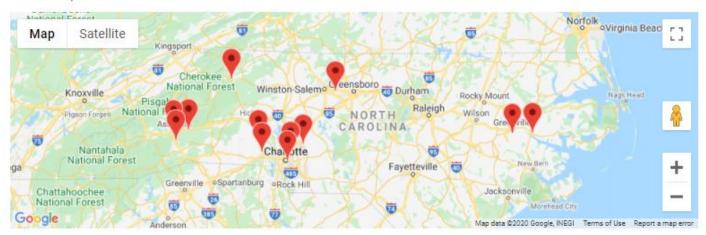




### **FIND A PROGRAM**

Many previously scheduled classes have been postponed due to COVID19 social distancing safety measures. Our partners are working on alternatives during this time, such as online options or future programs. If you are interested in a program, please still contact healthyagingncinfo@gmail.com and we will make sure to connect you to the program provider for more information about upcoming workshops in your area.

Below is a partial listing of workshops available in North Carolina. For more information about workshop locations, please contact us!



Please type in Program Name

Please type in City or Zip Code or leave blank

Q Search Search	Near	Q
		Show Advanced Search





# Referral form

#### **W** MAKE A REFERRAL

Would you or someone you know benefit from one of the evidence-based health programs offered through Healthy Aging NC? Our referral form makes it easy to make the referral for yourself, a friend, a relative, or for a patient, if you are a health professional.

When you refer yourself or someone else to one of our classes, someone from Healthy Aging NC will respond within three business days.

If you aren't sure which class, that's ok! Please go ahead and submit the form and we'll help you to figure that out.

rirst name *
 Last name •
Date of birth *
MM-DD-YYYY 🛅
Phone number *
Email address *
Relationship to person being referred *
¥
County *





# Take Control of Your Health: 6 Steps to Prevent a Fall

Every 11 seconds, an older adult is seen in an emergency department for a fall-related injury. Many falls are preventable.

Stay safe with these tips!



1

#### Find a good balance and exercise program

Look to build balance, strength, and flexibility. Contact your local Area Agency on Aging for referrals. Find a program you like and take a friend.



2

### Talk to your health care provider

Ask for an assessment of your risk of falling. Share your history of recent falls.



3

Regularly review your medications with your doctor or pharmacist

Make sure side effects aren't increasing your risk of falling. Take medications only as prescribed.



4

Get your vision and hearing checked annually and update your eyeglasses

Your eyes and ears are key to keeping you on your feet.



5

Keep your home safe

Remove tripping hazards, increase lighting, make stairs safe, and install grab bars in key areas.



6

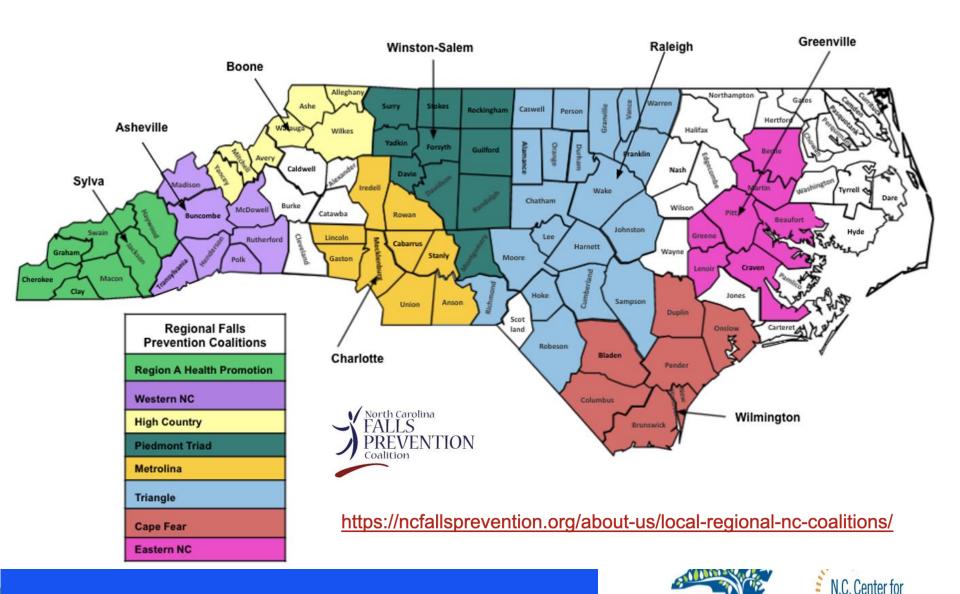
Talk to your family members

Enlist their support in taking simple steps to stay safe. Falls are not just a seniors' issue.

#### To learn more, visit ncoa.org/FallsPrevention.

www.facebook.com/NCOAging | www.twitter.com/NCOAging ncoa.org | @NCOAging | @2021 | All Rights Reserved.





HEALTHY AGING NC

### Western NC Falls Prevention Coalition

Counties: Buncombe, Henderson, Madison, McDowell, Polk, Rutherford, Transylvania.

The Western NC Falls Prevention Coalition collaborates closely with the Region A/Southwestern Commission Coalition covering Cherokee, Clay, Graham, Haywood, Jackson, Macon, and Swain Counties.



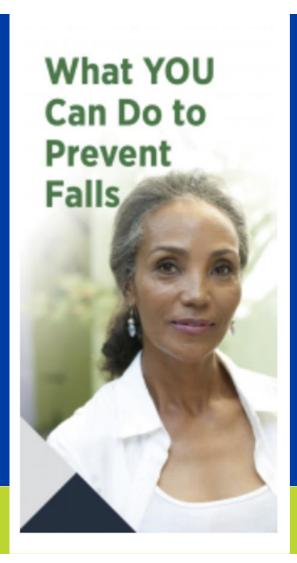
### 2022 Quarterly Coalition Meeting Schedule

- Quarterly Coalition → January 14, April 8, July 8, October 14 9-10:30am
- Join the meeting(s) here: https://unc.zoom.us/j/ 95055829623
- Click HERE to download our meeting schedule flyer!





# Resources



#### For Family and Community Members, Patients, Caregivers:

<u>CDC Medication Fact Sheet</u> – Are your medicines increasing your risk for falls?

CDC STEADI Check for Safety Brochure – A Home Fall Prevention Checklist for Older Adults

<u>CDC Stay Independent Brochure</u> - Fall Risk Self-Assessment <u>Falls Free Check-Up</u> - Online version with feedback

CDC What You Can Do to Prevent Falls Brochure -

Customizable

<u>CDC My Mobility Plan</u> – A mobility planning tool to help you stay independent, safe at home, mobile in your community.

#### **For Health Care Providers:**

CDC STEADI (Stopping Elderly Accidents, Deaths & Injuries)

Toolkit
for Healthcare Providers







# homemods.org

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https://ncfallsprevention.org/resources/
Home Assessment Tools for Consumers
Home Assessment Tools for Professionals

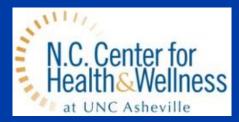


Welcome to the North Carolina Home Modification and Repair Resources Page! On this State Resources page, you will find resources for consumers and professionals specific to North Carolina, including featured programs, funding sources, home modification and repair providers by city, and educational materials!

We'd love your feedback! Click on this Link to answer some quick questions about this page.

**HOME MODIFICATION IN NORTH CAROLINA** 







# **Next Steps**

- Explore programs on our website
- Refer participants to programs as appropriate
- Connect community leaders to leader trainings
- Reach out to us with questions
- <u>Connect</u> with your regional and/or state falls prevention coalition.
- <u>Explore</u> falls prevention resources.



#### North Carolina's statewide Resource Center for Evidence-Based Self-Management Programs

Our partners, including the 16 NC Area Agencies on Aging, can often leverage federal funding to offer these programs at low or no cost to participants.

#### CHRONIC DISEASE SELF-MANAGEMENT

For participants who need tools and support in managing their symptoms of chronic health conditions through lifestyle modifications

#### TAI CHI FOR ARTHRITIS & FALL PREVENTION

For participants who need to improve mobility, balance, strength, flexibility, relaxation, and/or self awareness.

#### A MATTER OF BALANCE

For participants who need to address a fear of falling, identify solutions, build skills, and engage in gentle exercises.

#### WALK WITH EASE

For participants who are not physically active and need support in safely increasing physical activity.







Malthyagingncinfo@gmail.com

healthyagingnc.com

# Take Home Summary

Review and/or print this document for your reference in the future

### **Contact Information**

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828-255-7072





# **Service Options for the NC TBI Community**

Scott Pokorny

### Please let us know in the chat:

# What is your level of experience working with the TBI population?

- None (no understanding of TBI)
- Limited (some understanding of TBI but no formal education or work experience in the field)
- **Basic** [good understanding of TBI with some education or work experience in the field (up to 3 years)]
- Proficient [detailed knowledge and application of skill, including both education and work experience (4 to 9 years)]
- Advanced [highly developed skill and ability, including continuing education and practical hands-on work experience (10 years plus)]

# **TBI Program Components**

- ➤ Introduction to Service Options in NC
- ➤TBI Grant
- ➤ TBI State Funds Program
- >TBI Training
- >TBI Screening
- ➤TBI Waiver
- Brain Injury Advisory Council
- ➤ Brain Injury Resources

# NC Traumatic Brain Injury (TBI) Services

- If an has a TBI and has long term support needs it is important that you know about the Local Management Entity/Managed Care Organization (LME/MCO) system
- There are currently 6 LME/MCOs in North Carolina
- The LME/MCOs are anticipated to transition to Tailored Plans on December 1, 2022
- This following website has a directory that lists all the LME/MCOs, their contact information and the counties they serve:

https://www.ncdhhs.gov/providers/Imemco-directory

#### Accessing Traumatic Brain Injury Services in NC

What do I need to know?

- You MUST have established residency in NC
- Documentation regarding TBI diagnosis is REQUIRED (i.e., medical records)
- Individuals diagnosed with a brain injury by the age of 21 may be eligible for I/DD services
- NC has a Registry of Unmet Needs for the Innovations Waiver

Who do I contact?

- To check for TBI services available in your area, find and contact your respective LME-MCO
- For Disability Benefits (i.e. SSI), find and contact your <u>county's Social Security Administration</u> and/or <u>Apply for Disability Benefits through SSA online</u>
- For other benefits (NC Medicaid, assistance programs, etc.) find and contact your county's Department of Social Services or Apply Online

Where can I find more information?

- Ages 0-5 Children's Developmental Services Agencies
- Ages 0-20 Children and Youth with Special Health Care Needs or 1-800-737-3028
- Ages 0-21 with Medicaid Early Periodic Screening Diagnostic and Treatment (EPSDT)
- Medicaid Programs and Services
- Services for People who do not have Medicaid

What do I do if I have more questions?

- Contact your respective LME-MCO for questions about TBI Services
- For State Operated Healthcare Facilities contact monica.harrelson@dhhs.nc.gov
- For all other community services and/or trouble contacting an LME-MCO, contact the Customer Service and Community Rights Team at 984-236-5300 or email <a href="mailto:dmh.advocacy@dhhs.nc.gov">dmh.advocacy@dhhs.nc.gov</a>.

#### **Additional Resources**

Ages 0-21 with Medicaid

- Early Periodic Screening Diagnostic and Treatment (EPSDT)
- ➤ Personal Care Services can be requested under EPSDT for those with Medicaid aged 21 and under with a physician's referral
- Community Alternatives Program for Children (CAP/C)
  - ➤ Ages 0-20
- For Research Based-Behavioral Health Treatment eligibility, <u>Contact your respective</u> <u>Local Management Entity-Managed Care Organization (LME-MCO)</u>

Additional Medicaid Programs and Services

- Behavioral Health Services
- Community Alternatives Program for Disabled Adults (CAP/DA)
- Home Health Services
- Personal Care Services (PCS)
- Private Duty Nursing
- For additional Medicaid services eligibility (B3 Services, In Lieu of Services, ICF-IID),
   Contact your respective LME-MCO

Additional Resources

- Contact your respective LME-MCO for services available in you area
- First in Families of North Carolina
- Brain Injury Association of North Carolina
- . Disability Rights North Carolina
- Community Empowerment and Engagement
- Contact <u>Hope4NC</u> for emotional support and additional community resources.

## **TBI Grant**

- Five-year TBI grant funded by federal Administration for Community Living (ACL).
- Grant Goal: To facilitate the continued development and expansion of a comprehensive, multi-disciplinary, and easily accessible system of care for individuals with lived experience and their families.
- Main Grant Objectives
  - Contribute to the infrastructure development of the whole care system to ensure individuals with Traumatic Brain Injury (TBI) are receiving culturally responsive, quality care in the new managed care system;
  - 100% of individuals who seek services through a Local Management Entity-Managed Care Organization (LME-MCO) will be screened for a potential TBI
  - Increased provider knowledge, skill and ability across all service programs
  - Expanded options for online support groups
  - Increase education to individuals with TBI to promote person-centeredness, empowerment and skill building

# **TBI State Funds Program**

- The TBI program operates on approximately \$3.9 million-dollar legislative appropriation for the purposes of services, supports, education and awareness.
  - \$3,413,868 for the LME-MCO's
    - services and supports
  - \$559,218 for the Brain Injury Association of NC (BIANC)
    - -education and awareness
- •Types of services that are commonly provided through the LME-MCO's include:
  - Residential Support
    - Personal Care

- Home Modifications

- Respite

- Transportation
- Other services/supports deemed medically necessary by the LME/MCO and the Primary Care Physician

# **TBI Training**

- Statewide Training (in-person and webinars)
  - A variety of training topics are available such as Brain Injury Foundations, Brain Injury, Continuum of Care, Behavioral and Crisis De-Escalation after Brain Injury, Concussion Awareness, Prevention & Return to Learn among many others.
- Online NC Training Modules
  - Crisis Intervention Training for Law Enforcement and other First Responders
  - Cognitive and Behavioral Consequences of TBI in Adults
  - Pediatric TBI
  - Primary Care and TBI
  - Public Services and TBI in NC
  - Substance Use and TBI
  - Steps to Successful Employment after Brain Injury
- Trainings can be accessed at <u>www.bianc.net</u>

## **TBI Data Initiatives**

- TBI screening occurs at 5 LME-MCO's.
- ABI screening will begin soon with one Domestic/Intimate Partner Violence program pilot site and one Probation pilot site.
- Claims Data Reviews
  - The TBI Program continues working with the Quality Management Section at the Division of Mental Health, Developmental Disabilities and Substance Abuse Services (DMH/DD/SAS) to determine the number of individuals that have accessed publicly funded services such as physical health, mental health and substance use service systems

## **NC TBI Waiver**

- TBI Waiver provides home and community-based services and supports to qualified individuals who sustained a TBI
- Currently available in Wake, Durham, Johnston and Cumberland counties
- Some qualifying criteria include:
  - TBI must have occurred on or after their 22nd birthday
  - Individuals must be Medicaid eligible (financial and medical criteria)
  - Individuals must meet one of two levels of care:
    - Skilled Nursing Facility
    - Neurobehavioral

## **NC TBI Waiver**

#### Some examples of Services included in the NC TBI Waiver:

- Cognitive Rehabilitation
- Life Skills Training
- Extended State Plan Allied Health Services
- Personal Care
- Residential Supports
- Supported Employment
- Community Networking
- Day Supports
- Resource Facilitation
- Specialized Consultative Services

# **Brain Injury Advisory Council**

The purpose of the Brain Injury Advisory Council (BIAC) is:

- To review the nature and cause of traumatic and other acquired brain injuries in North Carolina.
- Make recommendations to the Governor, the General Assembly, and the Secretary of Health and Human Services regarding the planning, development, funding, and implementation of a comprehensive statewide service delivery system to address the needs of brain injury survivors.
- There are 33 Council members
- Council Meets Quarterly
- Council Standing Committees---Children and Youth, Public Policy,
   Service Delivery System and Prevention.
- DMH/DD/SAS provides administrative support to the Council.

## **Brain Injury Resources**

Brain Injury Association of NC (BIANC)

www.bianc.net

North Carolina Department of Health and Human Services (NC DHHS) - TBI Program

https://www.ncdhhs.gov/assistance/disability-services/traumatic-brain-injury

Brain Injury Association of America (BIAA)

www.biausa.org

National Association of State Head Injury Administrators (NASHIA)

www.nashia.org

Administration for Community Living (ACL)

https://acl.gov/programs/post-injury-support/traumatic-brain-injury-tbi

Center for Disease Control and Prevention (CDC)

https://www.cdc.gov/traumaticbraininjury/index.html

### **Contacts**

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