Efforts to Reduce Adult Falls Injury & Risk in Dane County, Wisconsin

Community, Academic and Healthcare Partnerships



Efforts to reduce adult falls injury & risk in Dane County, Wisconsin Community, academic and healthcare partnerships

Kristi Hallisy, PT, DSc

University of WI - Madison

Susan E. Frikken, DPT, LMT Physical Therapist Yahara Therapy LLC susan@yaharatherapy.com

Ashley Hillman Falls Prevention Program Manager Safe Communities Madison/Dane Co ahillman@SaferCommunity.net

hallisy@pt.wisc.edu Mary Lauby (Moderator) Pa Adult Injury Prevention Coordinator CE University of WI

School of Medicine and Public Health

Associate Professor, Doctor of Physical Therapy Program

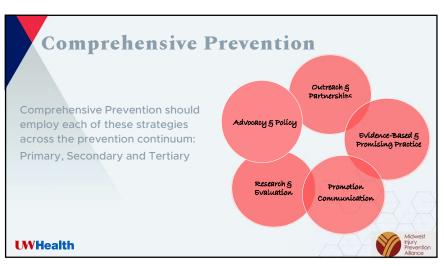
Department of Family Medicine & Community Health,

Aduit injury Prevention Coordinator CL University of WI UW Health Hospital & Clinics Authority <u>m</u> Level I Adult Trauma Center mlauby@uwhealth.org

Paul Mross CEO of Happy Wellness and Yoga Research Consultant mr_oss@hotmail.com

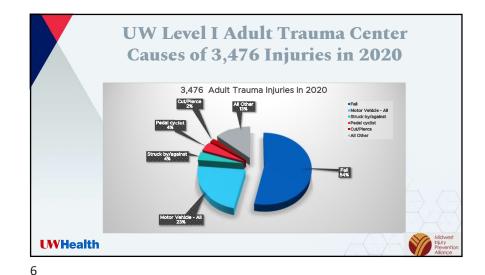
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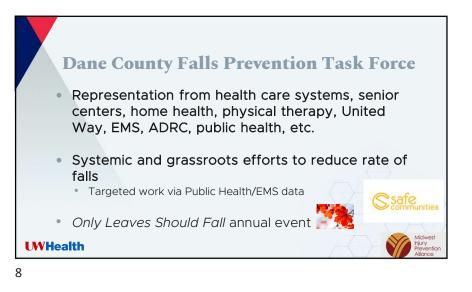


Older Adult Falls (Reported) & Deaths 2018 By State









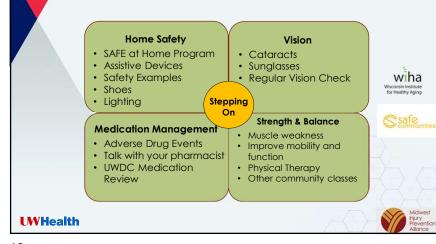
Stepping On FAQs:

- Who: Older adults who have fallen, are at risk for falling or fear falling
- What: Evidence-based falls prevention workshop; 30% falls reduction among participants in U.S.; 50% reduction in WI
- Where: senior centers, community centers, health care settings, faith-based organizations, etc.
- When: Year-round, 7 weeks, 2 hrs./week
- New/Next Steps: Virtual Delivery &
 Pisando Fuerte

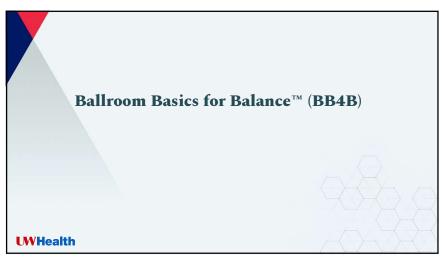
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		Midwest Injury Prevention Alliance

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Stepping On/Pisando Fuerte

- Tai Chi Fundamentals & Tai Chi Prime
- Ballroom Basics for Balance™
- Madison School & Community Recreation (MSCR) designation
- Living Falls Free (UW Health)
- Balancing Act (MSCR)
- Yoga

https://safercommunity.net/falls-prevention/prevention-programs/

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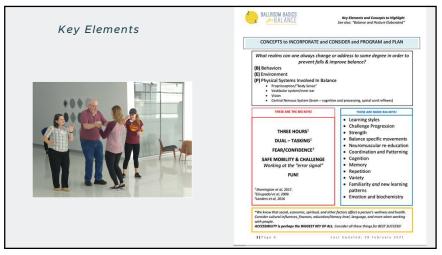




Safe

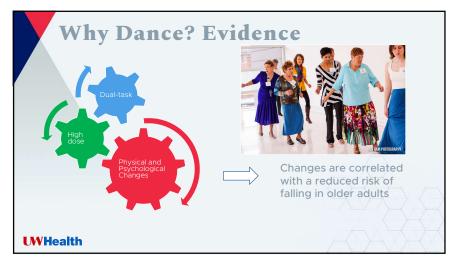












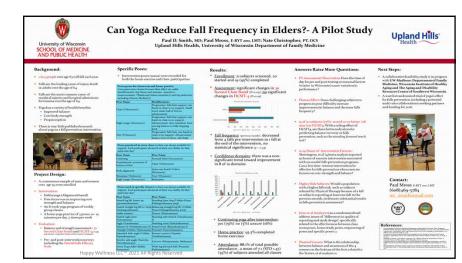
Alice, Participant

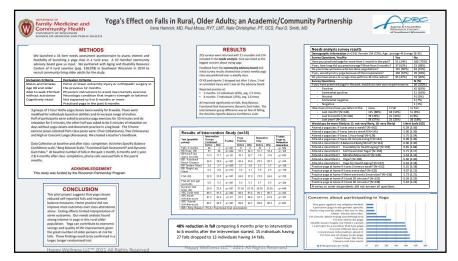
"It fills a need. It's community, it's health. It is music so it's culture. It's a great way to exercise **and** dance. I know that my balance has improved because of this."

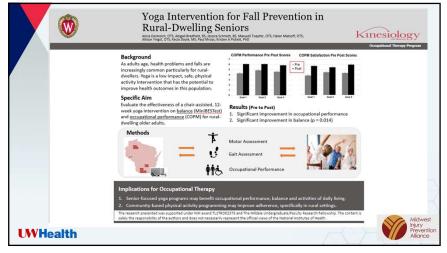


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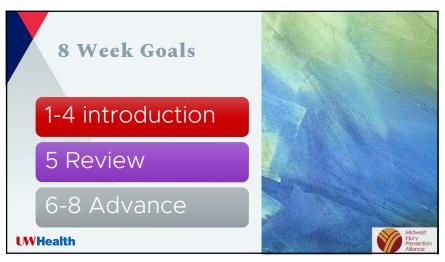














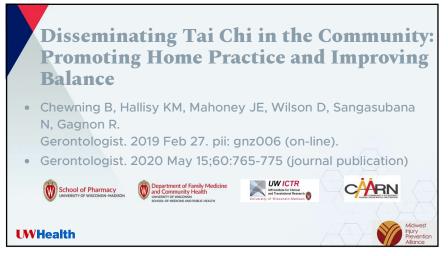
Review Week

The purpose and function of week 5 is to review past weeks. We find that students learn in different ways. These classes also allow you, as the teacher, to take stock of where your students are and act to guide them to where they could potentially be. This should be fun and stimulating.

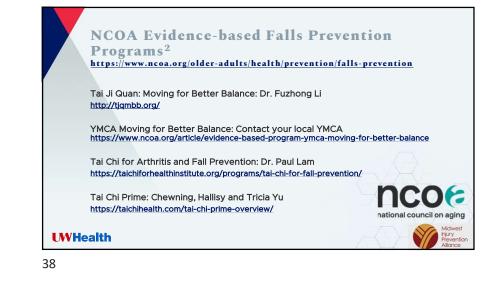


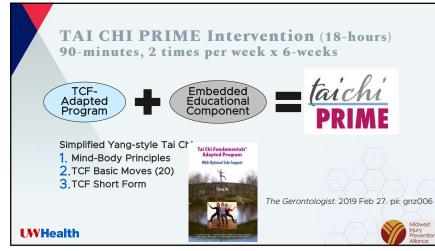
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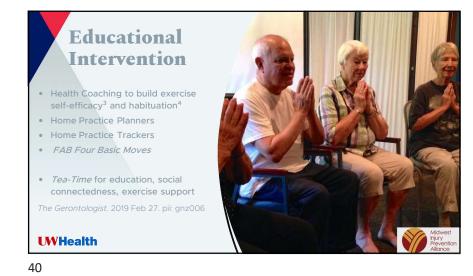


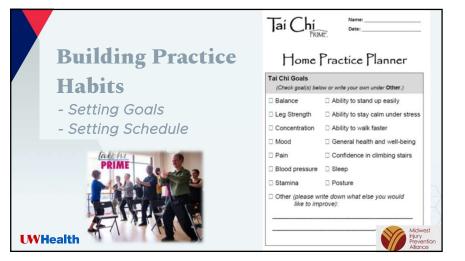


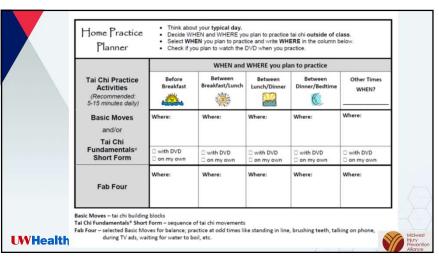


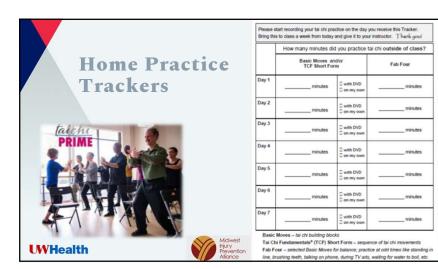


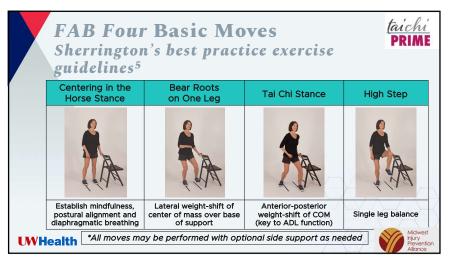


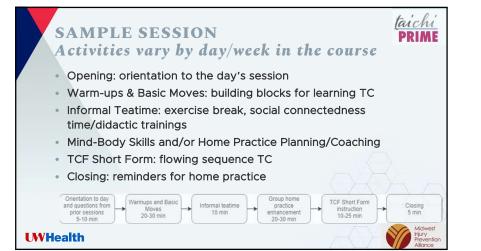




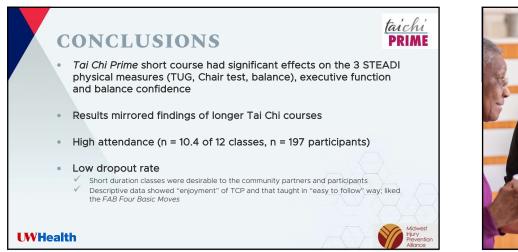








DATA ANALYSIS							
Table 2. Outcome Measures of Physical Fund	ction, Balance Confid	lence, and Executi	ve Function Sco		97)		
Outcome measure	Intervention $(n = 94)$	Control $(n = 103)$	B (SE)	95% CI Lower	Upper	p-value*	
Timed Up and Go, mean ± SD	10.6 ± 3.8	11.9 ± 6.1	-1.824 (0.717)	-3.238	-0.409	.012	
30-s Chair Stand, mean ± SD	11.5 ± 4.5	9.4 ± 3.1	2.523 (0.515)	1.508	3.538	.000	
4-Stage Balance, mean ± SD							
Side-by-side	10.0 ± 0	9.97 ± 0.3	0.028 (0.035)	-0.041	0.097	.426	
Staggered tandem	9.9 ± 0.9	9.6 ± 1.7	0.371 (0.195)	-0.014	0.756	.059	
Tandem	8.5 ± 2.9	7.6 ± 3.5	1.314 (0.435)	0.455	2.172	.003	
Single leg	6.0 ± 3.7	6.2 ± 7.7	0.103 (0.872)	-01.617	1.823	.906	
Activities-specific balance confidence, mean ± SD	82.9 ± 12.4	76.8 ± 16.5	7.216 (2.056)	3.162	11.271	.001	
Trail Making Test Part B, mean ± SD	84.5 ± 40.4	92.3 ± 43.6	-13.405 (5.488)	-24.229	-2.580	.015	
*Linear regression; reference group is experimental group	o assignment. All analyses	controlled for age.					





for Healthy Aging

STUDY LIMITATIONS

<u>taichi</u> PRIME

- Homogenous sample {white, females}
- Limited demographics and health status information
- Participants may have exaggerated their 'fear of falling' to gain access to the Tai Chi program (one city had never offered TCF before)
- Limitations of self-reported practice data
- Lack of resources limited long term follow-up of a large sample

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Tai Chi Prime FUTURE DIRECTIONS

Beta-testing of leader training materials, participation materials, course curriculum and Tai Chi delivery fidelity has been completed {NCOA ACL certification}

- Partner with Wisconsin Institute for Healthy Aging (WiHA) for broader dissemination/implementation in WI (and beyond)
- Evaluate long-term retention of practice habits, improved falls risk factors, reduction in rate of falls
- On-line implementation of falls prevention (TCP) courses
- Work to expand reach of Tai Chi to new demographics of participants

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