

TheraPilates® for the Frail Older Adult:

Assessment

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www.therapilates.com











What is a Frail Older Adult?

A person who is unable to get down to the floor and back up again without assistance.

Advanced age does NOT equal frailty! It's all about FUNCTION!





Frailty: No Standard Definition 1. Decreased reserves/capacity to tolerate minor stressors 2. Increased vulnerability to adverse health outcomes 3. Impairment in multiple physiological systems

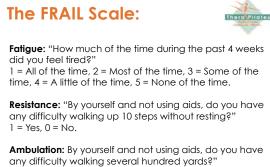
Kojima, G., et al. (2019)

The FRAIL Scale:



- 5 Yes/No Questions: 1. Fatique
- 2. Resistance (inability to climb stairs)
- 3. Ambulation (inability to walk a certain distance)
- 4. Illnesses (>5 comorbidities)
- 5. Loss of weight (more than 5%) Predicts mortality and incident ADL disabilities among community-dwelling older people in recent meta-analysis studies. (First validated in Western Australia 2010)

Kojima, G., et al. (2018)



1 = Yes, 0 = No.

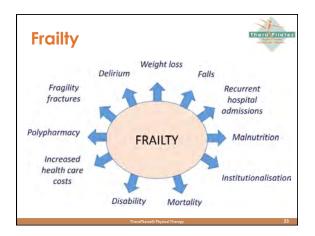
The FRAIL Scale:



Illnesses: For 11 illnesses, participants are asked, "Did a doctor ever tell you that you have [hypertension, diabetes, cancer, chronic lung disease, heart attack, congestive heart failure, angina, asthma, arthritis, stroke, and kidney disease]?" 1 = Yes, 0 = No. The total illnesses (0–11) are recoded as 0–4 = 0 and 5–11 = 1.

Loss of weight: "How much do you weigh with your clothes on but without shoes? [current weight]" "One year ago in (MO, YR), how much did you weigh without your shoes and with your clothes on? [weight 1 year ago]"







An Aging Population



Between 2000 and 2050, the proportion of people aged 60 years or older in the world is projected to **double** from about 11% to 22%.

Adults over **age 60** will increase from 605 million to **2 billion**!

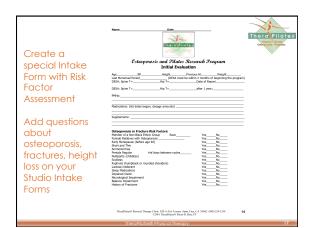
Older adults over **80 years** are expected to **quadruple** to 395 million during the same period.

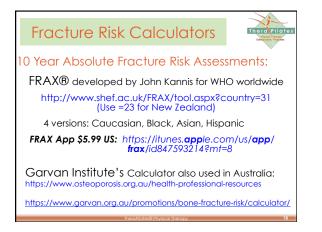
More older adults than ever before on earth!

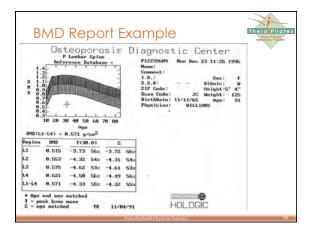
Pilates teachers are in the perfect position to motivate older adults to stay fit!

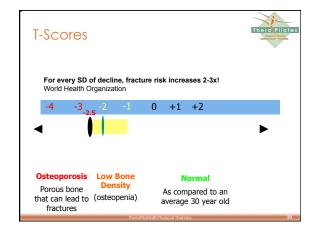


www.NOF.org









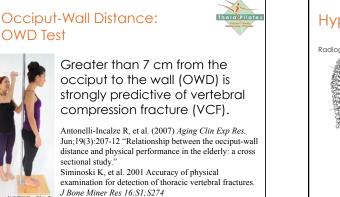


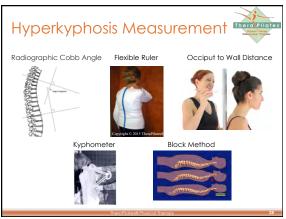




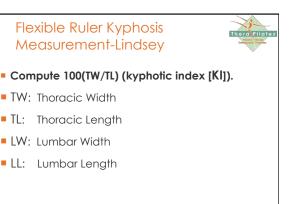


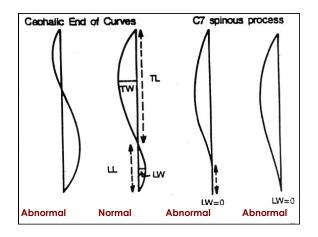




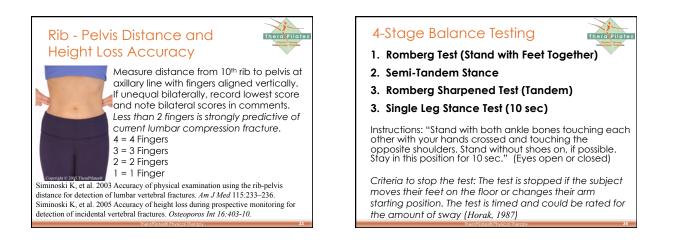


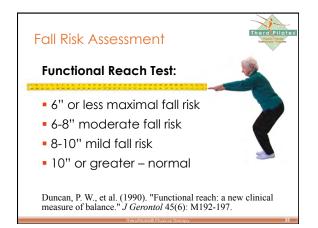














Fall Risk Assessment: TUG

Timed "Get up and go" test

Subject walks 10 feet, turn around, walk back and sit down

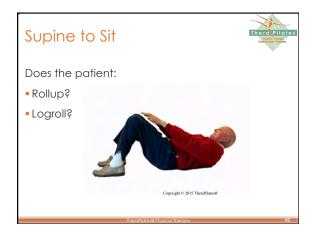
- > 30 sec = Maximal Fall Risk
- 20-30 sec = Moderate Fall Risk
- 10-20 sec = Minimal fall risk



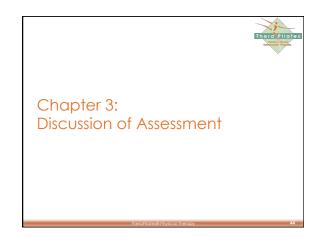


Thera Pilates







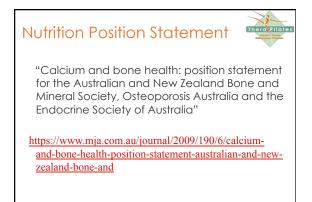


Discussion of Assessment

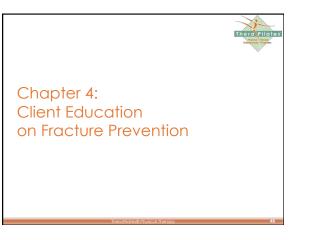


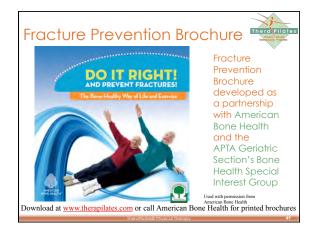
Discuss findings with Client in positive language: BMD Report

- Fracture Risk Assessment
- "Basic" Nutrition (Protein, Ca+, Mg most important)
 Physical findings and highlight most important considerations
- Discuss Fracture Prevention
- Discuss Intervention: PT, Pilates Private, Small Group, Large Group

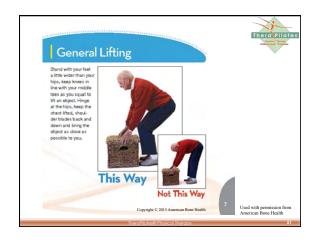


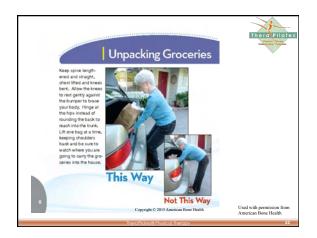
ters of care ters of care ters of care moves from highest skill at highest cost to lowest skill or teacher student ratio (1:1 or 10:1) at lowest cost.



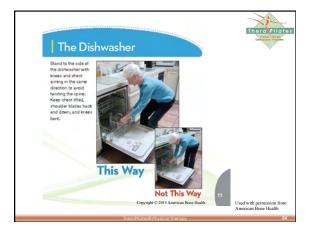




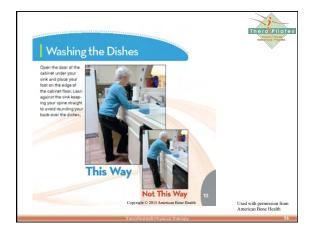






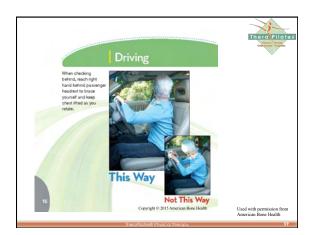




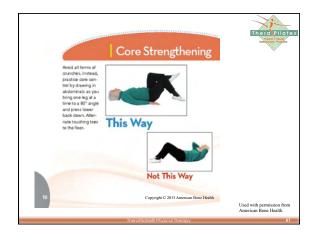


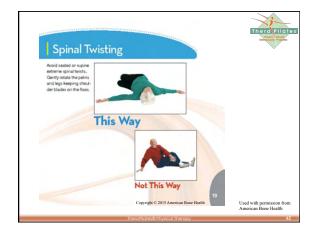




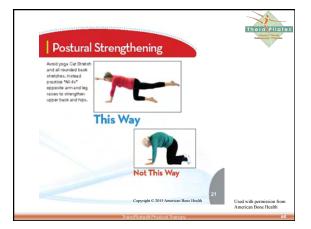




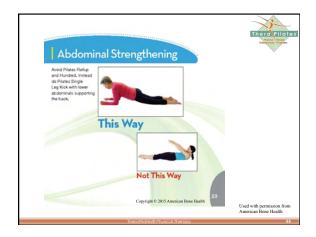


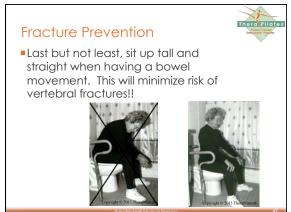










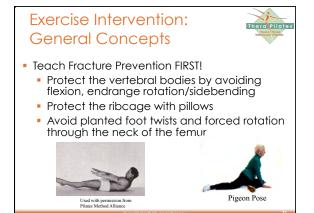














Pilates for Frail Older Adults



- The exercises should be focused on:
- Balance
- Leg Strength
- Hip Extension
- Thoracic Extension
- *As few seated exercises as possible!



First!

Bone Safe Exercise Priorities



- 1. Protect from fracture!
- 2. Practice optimal spine posture
- 3. Learn to get down to quadruped and up from floor in optimal spine posture
- 4. Hinge at the hip when bending
- 5. Avoid flexion, end range side bending and rotation
- 6. Incorporate skills into your lifestyle
- 7. Practice single leg balance everyday
- 8. Breathe with good rib movement Copyright© 2008 TheraPlates®













Part II:

TheraPilates for the Frail Older Adult: Mat Class for Balance and Fall Prevention

Thera Pilates

Today at 1:30 – 3:30



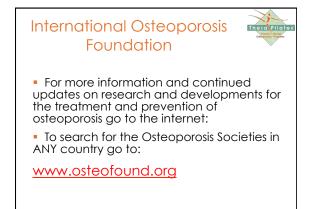
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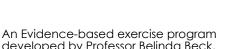












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An Evidence-based exercise program developed by Professor Belinda Beck, based on findings from the LIFTMOR Trials at Griffith University.

https://onero.academy/osteoporosis-exercises/



Australia & New Zealand Bone & Mineral Society

ANZBMS is a professional medical / scientific society established in 1988 to bring together clinical and experimental scientists and physicians actively involved in the study of bone and mineral metabolism in Australia and New Zealand. https://www.anzbms.org.au/

