

CONSENSUS-BASED EXERCISE GUIDELINES FOR OLDER CANCER SURVIVORS:

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Recommendations From The ACES Initiative

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For an OCS, additional medical evaluation beyond what is recommended in the current ACSM

BACKGROUND

- yBy 2040, the proportion of cancer survivors over 65 years old will rise to 73%.
- dExercise could be an effective therapy to mitigate the combined threats of aging and cancer on the physical and mental health of older cancer survivors.
- Current exercise guideline for cancer survivors do not specifically addresses programming for older cancer survivors, leaving healthcare providers with little guidance about recommending exercise to their older patients

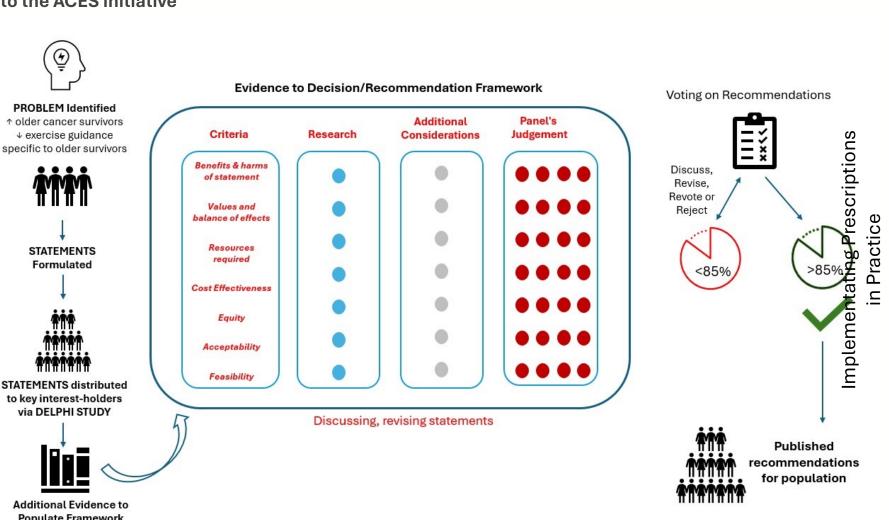
AIM

• The ACES (Advancing Capacity to Integrate Exercise into the Care of Older Cancer Survivors) initiative is an NCI-funded project that aims to fill this gap by developing consensus-based guidelines for exercise in older cancer survivors.

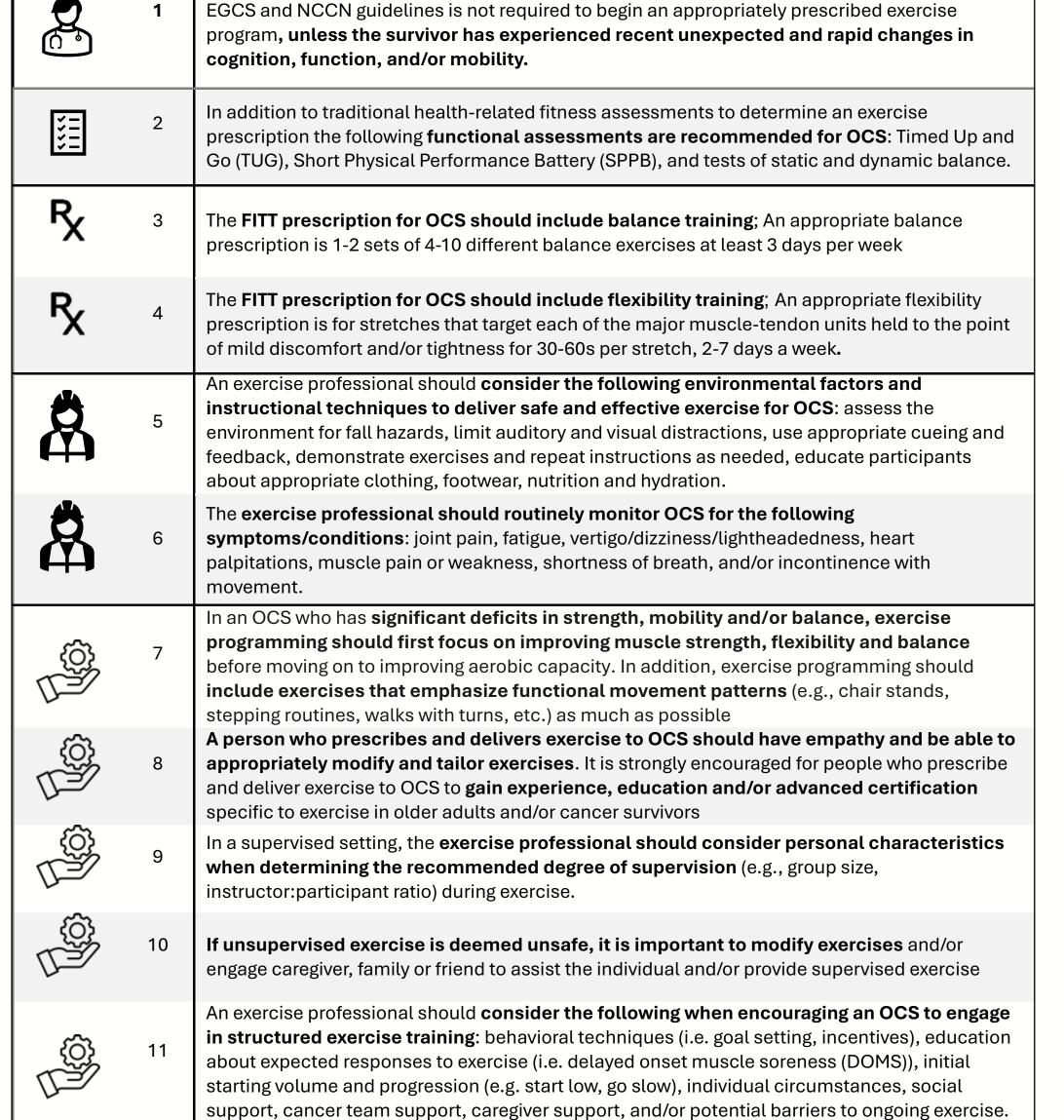
METHODS

- A 16-member multi-disciplinary panel of experts in geriatric medicine, oncology, rehabilitation medicine, exercise physiology, behavioral and implementation science and patient advocates convened at OHSU in October 2024 to create consensus-based guidelines to inform clinical practice.
- The ACES panel followed the GRADE Evidence-to-Decision framework for developing good practice statements (Fig 1)

Figure 1. Grading of Recommendations, Assessment, Development and Evaluation (GRADE) Evidence-to-Decision (EtD) making framework for developing good practice statements as applied to the ACES initiative



Consensus Based Exercise Recommendations for Older Cancer Survivors (OCS)



Special Considerations for Safe and Effective Delivery of Exercise for Older Cancer Survivors

Reduce Fall Risk

Minimize fall risk with attention to proper lighting, changes in color/texture of flooring, removal of slip/trip hazards, spacing of equipment for safe ambulation

Limit Distractions

Minimize noise and competing stimuli such as loud or off-tempormusic. Minimize visual and environmental distractions (i.e., pets or clutter)

Instructional Technique

Slower the pace of instruction.
Use simple language / terms
when teaching/cueing.
Demonstrate movements first;
repeat as needed



Nutrition & Hydration

Consider a nutritional assessment; encourage 1g /kg PRO/day; encourage 48-60 oz water and increase intake in hot/dry climates

Proper Exercise Gear

Encourage proper footwear (athletic / sturdy shoes; no sandals, slippers, loafers, etc). Educate about proper clothing and sun protection

Temperature Control

Ensure proper climate control and ventilation in a class environment. Encourage layered clothing / proper outerwear and encourage proper hydration

Research Priorities to Fortify the Exercise Evidence in Older Cancer Survivors (OCS)

Medical Evaluation

- Clear and consistent reporting of whether trials required provider approval for participation
- Clear and consistent reporting of exclusion criteria for medical and/or safety reasons
- Rigorously report on selection of eligibility criteria based on pre-exercise assessments, such as

Exercise Testing

- physical functioning or ADLs
- Include outcomes meaningful to OCS
 Inclusion of outcomes to advance stand
- Inclusion of outcomes to advance standard care and cost recovery

Exercise Prescription

Testing understudied exercise prescriptions, including low intensity exercise, balance training and
flexibility training.

Exercise

- Reporting of environmental and instructional techniques to OCS
- Tolerance & Safety
- Reporting of approaches to monitor and quantify compliance and tolerance
 Reporting of AFS using CTCAF criteria and/or following FX-HARMS guidelines
- Reporting of AEs using CTCAE criteria and/or following EX-HARMS guidelines

Implementing Exercise Prescriptions in

Practice

- Use of best practices for inclusion of older adults in research
 Increase volume of studies in understudied samples of older survivors (i.e., frail,
- functional/cognitive impairments or dependence)
- Strengthen reporting and rationale of intervention design components (i.e., FITT) specific to OCS, instructor education, retention strategies

CONCLUSIONS

The ACES panel issued a set of exercise recommendations aimed to promote engagement and uptake of exercise by OCS while keeping risks as low as possible. Exercise is a low-cost, accessible, and scalable strategy that can improve outcomes for this fast-growing population.

ACSM EGCS: American College of Sports Medicine Exercise Guidelines for Cancer Survivors; NCCN: National Comprehensive Cancer Network